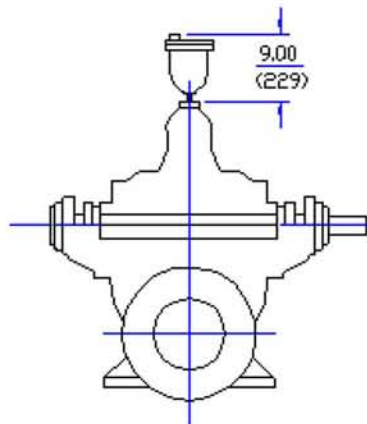




**AUTOMATIC AIR RELEASE VALVE  
SINGLE STAGE PUMP**

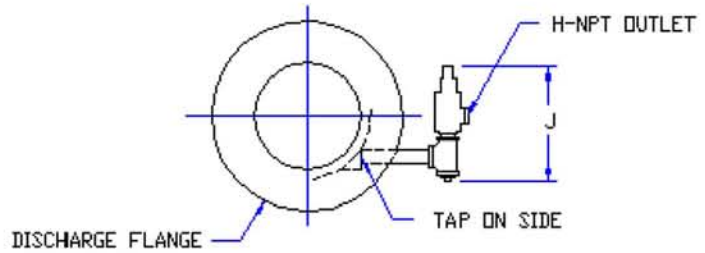
- MWP 175 PSI UL & FM WT. 9 LBS. (4 kgs.)
- MWP 300 PSI UL & FM WT. 9 LBS. (4 kgs.)



**NOTES:**

1. ONLY ITEMS CHECKED WILL BE FURNISHED
2. ALL DIMENSIONS ARE IN INCHES / (MILLIMETERS)
3. DO NOT PLUG ANY VALVE OR VENT OUTLET
4. ALL UNITS EXCEPT 10AEF16, 10AEF20, 12AF19B
5. 10AEF16, 10AEF20, 12AF19B

**CASING RELIEF VALVE  
SINGLE PUMPS**



×	H	J	NOTE	WEIGHT
	3/4"	12.00 (305)	4	4 LBS. (1.8 kgs.)
	1.00"	11.00 (279)	5	7 LBS. (3.2 kgs.)

6. ALL AIR VENT & CASING RELIEF VALVE ASSEMBLIES WILL BE SHIPPED LOOSE FOR FIELD MOUNTING.
7. ALL AIR VENT & CASING RELIEF VALVE ASSEMBLIES MUST BE MOUNTED IN A VERTICAL POSITION.

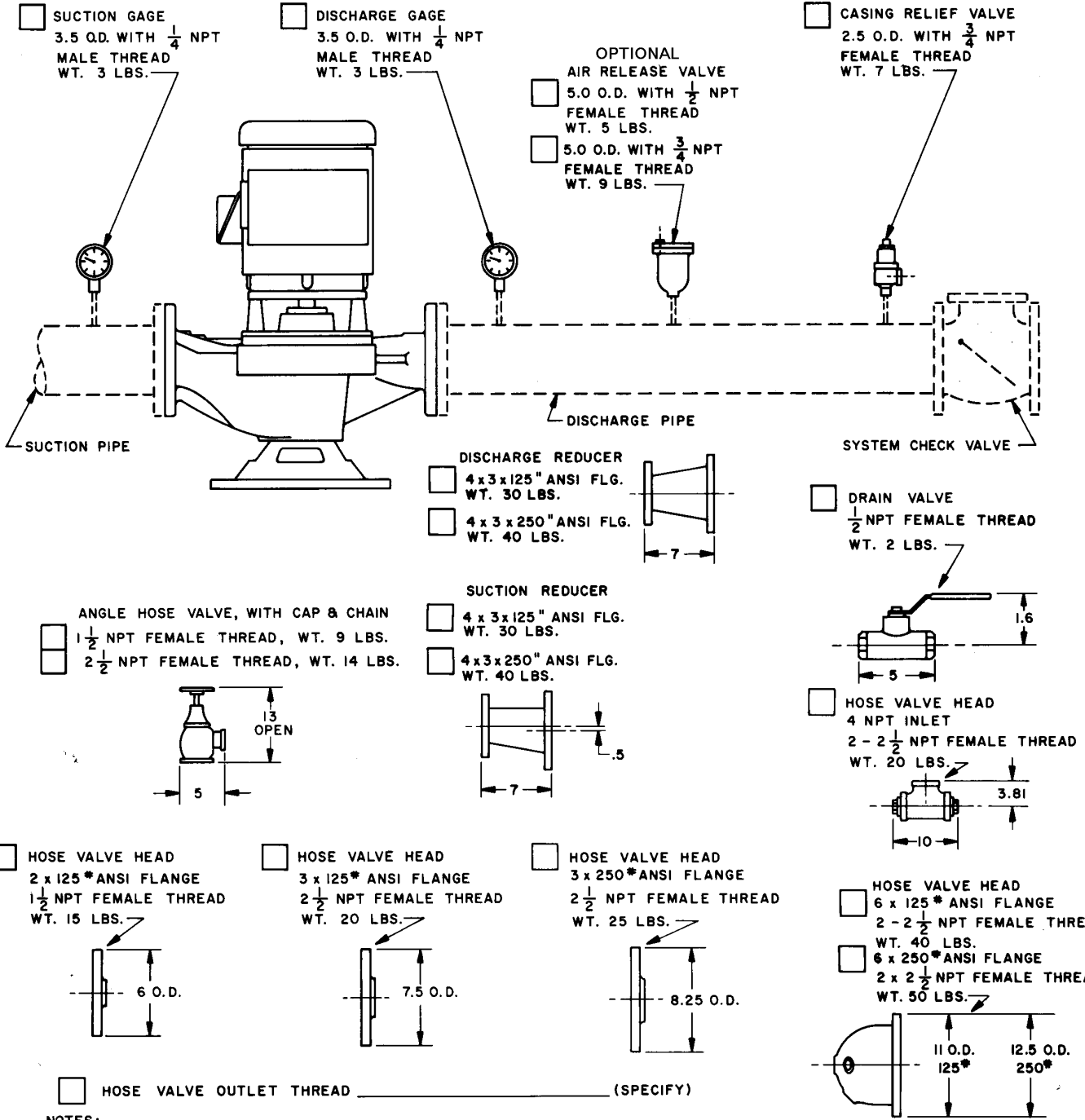
Dimensions in (inch)

Project :	Capacity:	Frame/Model:
Customer:	Total Head:	Elec. Spec.:
Item No.:	Pump Speed:	Service Factor:
Quote No. :	Impeller Dia.:	Rotation:
Pump Model:	Power:	Enclosure/Type:



FIRE FITTINGS 175, 250 PSI  
 OUTLINE DIMENSIONS

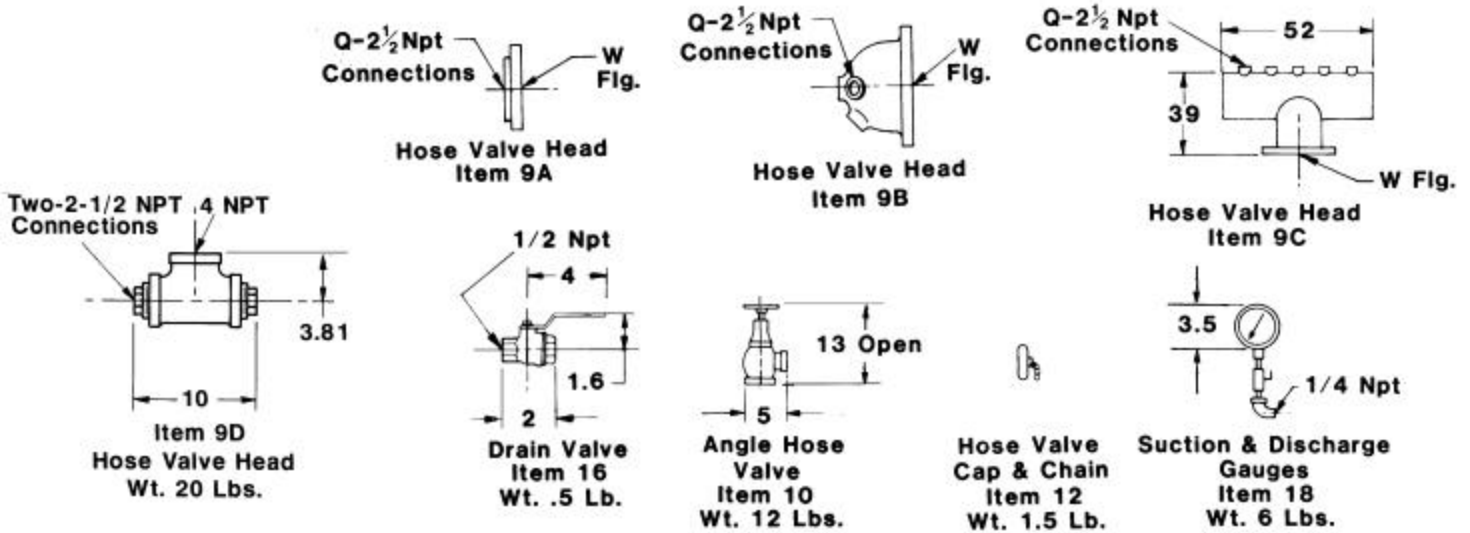
- 50 GPM     100 GPM     150 GPM     200 GPM     250 GPM     300 GPM     400 GPM  
 450 GPM     475 GPM     499 GPM     500 GPM     750 GPM



- NOTES:  
 1. ONLY ITEMS MARKED  WILL BE FURNISHED.  
 2. ALL DIMENSIONS ARE MAXIMUM AND ARE IN INCHES.  
 3. ALL ITEMS WILL SHIP LOOSE FOR FIELD MOUNTING IN THE SUCTION OR DISCHARGE PIPE.  
 4. AIR RELEASE VALVE & CASING RELIEF VALVE MUST BE MOUNTED IN A VERTICAL POSITION. DO NOT PLUG OUTLET.



**Fire Pump Fittings Outline**



- Notes:** 1. Only Items Marked  will be furnished  
2. All Dimensions are in inches  
3. Hose Valve Threading **-(Specify)**

Item No.	GPM	GPM	GPM	GPM	GPM	Description	Maximum Working Pressure PSIG							
9A	250	-	-	-	-	Hose Valve Head	175	400	-	-	-	-	-	
9B	500	750	1000	1250	-	Hose Valve Head	175	200	400	600	-	-	-	
9B	1500	2000	2500	-	-	Hose Valve Head	175	200	400	600	-	-	-	
9C	3000	3500	4000	4500	5000	Hose Valve Head	150	175	300	600	-	-	-	
9D	500	-	-	-	-	Hose Valve Head	300	-	-	-	-	-	-	
10	Angle Hose Valve		Qty of		Wt. Lbs.		300	-	-	-	-	-	-	
12	Cap & Chain		Qty of		Wt. Lbs.		-	-	-	-	-	-	-	
16	Drain Valve						400	600	-	-	-	-	-	
18	Suction and Discharge Gauge Set (Each Furnished with Gauge Cock)		Gauge Type		Dial Graduations									
					Outer Scale				Inner Scale					
					Suction		-15 PSI to 0 to 300 PSI				-1 BAR to 0 to 20 BAR			
					Discharge		0 PSI to 300 PSI				0 to 20 BAR			
		Discharge		0 to 600 PSI				0 BAR to 41 BAR						

ANSI Std. Dimension Flange	Dimension	Pump Rating GPM													
		250	500	750	1000	1250	1500	2000	2500	3000	3500	4000	4500	5000	
125	W	3	6	6	6	8	8	8	10	-	-	-	-	-	
125	W	3	6	8	8	10	10	10	12	-	-	-	-	-	
150	W	3	4	6	6	8	8	8	10	10	12	12	12	12	
150	W	-	-	-	-	-	-	-	-	12	14	14	14	14	
250	W	3	6	8	8	10	10	10	12	-	-	-	-	-	
300	W	3	4	6	6	8	8	8	10	10	12	12	12	12	
300	W	-	-	-	-	-	-	-	-	12	14	14	14	14	
Quantity	Q	1	2	3	4	6	6	6	8	12	12	16	16	20	
Weight Lb. (Maximum)		25	50	84	84	150	150	150	255	360	360	360	360	360	
Item No.		9A	9B	9B	9B	9B	9B	9B	9B	9C	9C	9C	9C	9C	

Subject to change without notice



Peerless Pump Company  
 Indianapolis, IN 46207-7026

## HOSE VALVE HEAD (FABRICATED)

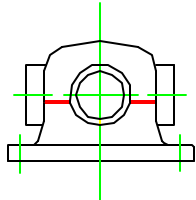


FIG. 1

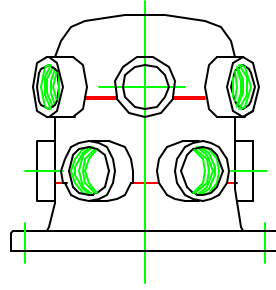


FIG. 2

X	SIZE	FLANGE RATING	NUMBER OF CONNECTIONS	FIGURE
	6	150# FF	3	1
	6	300# RF	3	1
	6	150# FF	4	1
	6	300# RF	4	1
	8	150# FF	6	1
	8	300# RF	6	1
	10	150# FF	8	1
	10	300# RF	8	1
	10	150# FF	12	2
	10	300# RF	12	2
	12	150# FF	12	2
	12	300# RF	12	2
	12	150# FF	16	2
	12	300# RF	16	2

- NOTES: 1. ONLY ITEMS MARKED  WILL BE FURNISHED FOR THIS JOB.  
 2. ALL DIMENSIONS ARE IN INCHES.  
 3. ALL FLANGES ARE 150# FF OR 300# RF ANSI STANDARD.  
 4. THREADED CONNECTIONS ARE 2-1/2-8 NPT.

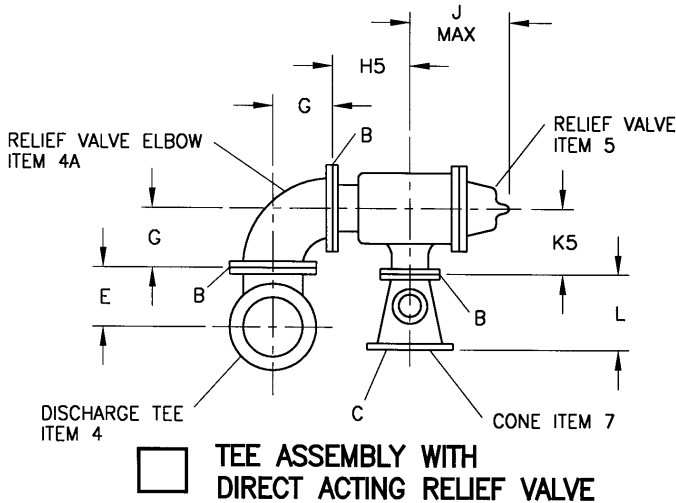
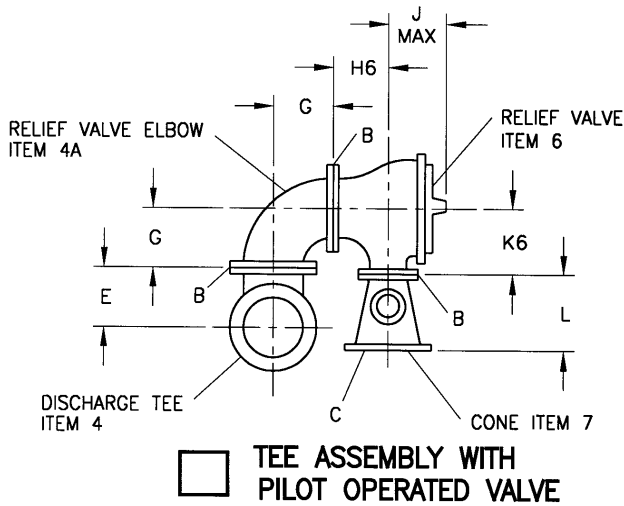
4853995-A  
 REV. 10-04

HORIZONTAL FIRE PUMPS  
Electric Motor or Diesel Engine Driven

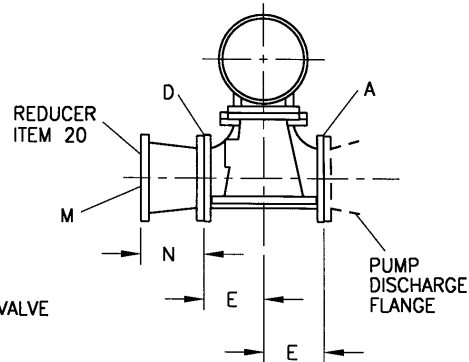


Peerless Pump Comp  
Indianapolis, IN 46206-7026

**END VIEWS**



**SIDE VIEW**



**Notes:**

1. Only Items marked  will be furnished.
2. All dimensions are in Inches.
3. Pump flanges must not be used to support weight of fittings.
4. All fitting flanges will conform to ANSI Standard B16.1 and will be:
  - a.) 125 Lb. on relief valve Inlet and relief valve elbow.
  - b.) 150 Lb. on OCV and Cla-Val relief valve inlet and outlet.
  - c.) 125 or 150 Lb. on tee.
  - d.) 125 or 150 Lb. cone Inlet and outlet.
5. All gaskets and bolting are to be supplied by others.
6. All direct acting and pilot operated valves are suitable for a back pressure up to 100 psi.

<input checked="" type="checkbox"/>	Item	Description
	4	Discharge Tee
	4A	Relief Valve Elbow
	5	Direct Acting Relief Valve
	6	Pilot Operated Relief Valve
	7	Overflow Cone

<input checked="" type="checkbox"/>	Manufacturer	Model	Listing /Approval				Pressure Range Psi
			3 In	4 In	6 In	8 In	
	Kunkle	218CS164	UL/FM	UL/FM	UL/FM	Not Available	70 to 170
	Watts	1116FM	UL	UL/FM	UL/FM	UL/FM	20 to 175
	OCV	OCV 108FCA	UL/FM	UL/FM	UL/FM	UL/FM	60 to 175
	Cla-Val	50BK4KG1	UL/FM	UL/FM	UL/FM	UL/FM	20 to 175



HORIZONTAL FIRE SPLIT CASE FIRE PUMPS  
Electric Motor or Diesel Engine Driven  
Fire Pump Fitting Outline Dimensions  
Standard Pressure

DISCHARGE TEE ASSEMBLY WITH KUNKLE DIRECT ACTING RELIEF VALVE																	
✓	PUMP RATED GPM	MAXIMUM WORKING PRESSURE psi	A (PUMP DISCH)	B	C (C.I.)	C (Fab Stl)	D	E	G	H5	J	K5	L (C.I.)	L (Fab Stl)	M	N	TOTAL ASSEM WT lb
	500	170	3	3	5	5	3	5.5	5.5	6.12	12.38	5.88	8.5	8.5	5	8	392
	500	170	4	3	5	5	5	7.5 §	5.5	6.12	12.38	5.88	8.5	8.5	-	-	380
	500	170	5	3	5	5	5	7.5	5.5	6.12	12.38	5.88	8.5	8.5	-	-	396
	500	170	3	3	6	-	3	5.5	5.5	6.12	12.38	5.88	8.5	-	5	8	392
	500	170	4	3	6	-	5	7.5 §	5.5	6.12	12.38	5.88	8.5	-	-	-	380
	500	170	5	3	6	-	5	7.5	5.5	6.12	12.38	5.88	8.5	-	-	-	396
	750	170	4	4	6	6	6	8	6.5	6.62	17	6.44	8.5	8.25	-	-	646
	750	170	5	4	6	6	6	8.0 §	6.5	6.62	17	6.44	8.5	8.25	-	-	646
	750	170	4	4	8	-	6	8	6.5	6.62	17	6.44	10.5	-	-	-	646
	750	170	5	4	8	-	6	8.0 §	6.5	6.62	17	6.44	10.5	-	-	-	646
	1000	170	5	4	8	-	6	8	6.5	6.62	17	6.44	10.5	-	-	-	646
	1000	170	6	4	8	-	6	8.0 §	6.5	6.62	17	6.44	10.5	-	-	-	646
	1250	170	6	6	8	8	8	9	8	9.38	17.88	8.5	14	7.75	-	-	1069
	1250	170	6	6	10	-	8	9	8	9.38	17.88	8.5	14	-	-	-	1069
	1500	170	6	6	8	8	8	9	8	9.38	17.88	8.5	14	7.75	-	-	1069
	1500	170	8	6	8	8	8	9.0 §	8	9.38	17.88	8.5	14	7.75	-	-	1069
	1500	170	6	6	10	-	8	9	8	9.38	17.88	8.5	14	-	-	-	1069
	1500	170	8	6	10	-	8	9.0 §	8	9.38	17.88	8.5	14	-	-	-	1069
	2000	170	6	6	10	-	6	8	8	9.38	17.88	8.5	14	-	10	12	1251
	2000	170	8	6	10	-	8	9	8	9.38	17.88	8.5	14	-	10	12	1133
	2500	170	8	6	10	-	8	9	8	9.38	17.88	8.5	14	-	10	12	1133
	2500	170	10	6	10	-	10	11	8	9.38	17.88	8.5	14	-	-	-	1194
	3000	175	8	8	-	12	8	9	9	10.62	34.38	10	-	9	12	14	1950
	3000	175	10	8	-	12	12	12	9	10.62	34.38	10	-	9	-	-	1950
	3000	175	12	8	-	12	12	12	9	10.62	34.38	10	-	9	-	-	1950
	3500	175	10	8	-	12	12	12	9	10.62	34.38	10	-	9	-	-	1950
	3500	175	12	8	-	12	12	12	9	10.62	34.38	10	-	9	-	-	1950
	4000	175	10	8	-	14	12	12	9	10.62	34.38	10	-	14	-	-	1950
	4000	175	12	8	-	14	12	12	9	10.62	34.38	10	-	14	-	-	1950
	4500	150	10	8	-	14	14	14	9	10.62	34.38	10	-	14	-	-	2090
	4500	150	12	8	-	14	14	14	9	10.62	34.38	10	-	14	-	-	2090
	5000	150	12	8	-	14	14	14	9	10.62	34.38	10	-	14	-	-	2090

§ ADD .38 ON PUMP DISCHARGE FLANGE SIDE OF TEE FOR TUF AND TUTF PUMPS

HORIZONTAL FIRE SPLIT CASE FIRE PUMPS  
Electric Motor or Diesel Engine Driven



Peerless Pump Company  
Indianapolis, IN 46207-7026

Fire Pump Fitting Outline Dimensions  
Standard Pressure

DISCHARGE TEE ASSEMBLY WITH PILOT OPERATED RELIEF VALVE																							
✓	PUMP RATED GPM	MAXIMUM WORKING PRESSURE psi	A (PUMP DISCH)	B	C (C.I.)	C (Fab Stl)	D	E	G	Watts -Muesco			OCV			Cla-Val			L (C.I.)	L (Fab Stl)	M	N	TOTAL ASSEM WT lb
										H6	J	K6	H6	J	K6	H6	J	K6					
	500	175	3	3	5	5	3	5.5	5.5	5.75	12.38	5.75	4.00	10.38	6.00	4	12.50	6.00	8.5	8.50	5	8	392
	500	175	4	3	5	5	5	7.5 §	5.5	5.75	12.38	5.75	4.00	10.38	6.00	4	12.50	6.00	8.5	8.50	-	-	380
	500	175	5	3	5	5	5	7.5	5.5	5.75	12.38	5.75	4.00	10.38	6.00	4	12.50	6.00	8.5	8.50	-	-	396
	500	175	3	3	6	-	3	5.5	5.5	5.75	12.38	5.75	4.00	10.38	6.00	4	12.50	6.00	8.5	-	5	8	392
	500	175	4	3	6	-	5	7.5 §	5.5	5.75	12.38	5.75	4.00	10.38	6.00	4	12.50	6.00	8.5	-	-	-	380
	500	175	5	3	6	-	5	7.5	5.5	5.75	12.38	5.75	4.00	10.38	6.00	4	12.50	6.00	8.5	-	-	-	396
	750	175	4	4	6	6	6	8	6.5	6.75	17	6.75	4.50	11.88	7.50	5	13.00	7.50	8.5	8.25	-	-	646
	750	175	5	4	6	6	6	8.0 §	6.5	6.75	17	6.75	4.50	11.88	7.50	5	13.00	7.50	8.5	8.25	-	-	646
	750	175	4	4	8	-	6	8	6.5	6.75	17	6.75	4.50	11.88	7.50	5	13.00	7.50	10.5	-	-	-	646
	750	175	5	4	8	-	6	8.0 §	6.5	6.75	17	6.75	4.50	11.88	7.50	5	13.00	7.50	10.5	-	-	-	646
	1000	175	5	4	8	-	6	8	6.5	6.75	17	6.75	4.50	11.88	7.50	5	13.00	7.50	10.5	-	-	-	646
	1000	175	6	4	8	-	6	8.0 §	6.5	6.75	17	6.75	4.50	11.88	7.50	5	13.00	7.50	10.5	-	-	-	646
	1250	175	6	6	8	8	8	9	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	7.75	-	-	1069
	1250	175	6	6	10	-	8	9	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	-	-	1069
	1500	175	6	6	8	8	8	9	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	7.75	-	-	1069
	1500	175	8	6	8	8	8	9.0 §	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	7.75	-	-	1069
	1500	175	6	6	10	-	8	9	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	-	-	1069
	1500	175	8	6	10	-	8	9.0 §	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	-	-	1069
	2000	175	6	6	10	-	6	8	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	10	12	1251
	2000	175	8	6	10	-	8	9	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	10	12	1133
	2500	175	8	6	10	-	8	9	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	10	12	1133
	2500	175	10	6	10	-	10	11	8	8.5	17.88	8.5	6.00	13.88	10.00	6	14.31	10.00	14	-	-	-	1194
	3000	175	8	8	-	12	8	9	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	9	12	14	1950
	3000	175	10	8	-	12	12	12	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	9	-	-	1950
	3000	175	12	8	-	12	12	12	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	9	-	-	1950
	3500	175	10	8	-	12	12	12	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	9	-	-	1950
	3500	175	12	8	-	12	12	12	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	9	-	-	1950
	4000	175	10	8	-	14	12	12	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	14	-	-	1950
	4000	175	12	8	-	14	12	12	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	14	-	-	1950
	4500	150	10	8	-	14	14	14	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	14	-	-	2090
	4500	150	12	8	-	14	14	14	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	14	-	-	2090
	5000	150	12	8	-	14	14	14	9	11	34.38	11	8.00	18.25 *	12.69	8	16.31	12.75	-	14	-	-	2090

§ Add .38 on Pump Discharge Flange Side of TEE for TUF and TUTF Pumps

\* Valve must be mounted with stem in vertical position, interchange elbow and relief valve



Fire Pump Fitting Outline Dimensions  
Standard Pressure

DISCHARGE TEE ASSEMBLY WITH KUNKLE DIRECT ACTING RELIEF VALVE																			
✓	PUMP RATED US GPM	PUMP RATED Liters/Sec	MAX. WORK. PRESS. Psig	MAX. WORK. PRESS. BAR	Dimensions in Inches-Flanges						Dimensions in mm (millimeters)							TOTAL ASSEM WT Kg	
					A (PUMP DISCH)	B	C (C.I.)	C (Fab Stl)	D	M	E	G	H5	J	K5	L (C.I.)	L (Fab Stl)		N
	500	31.55	170	11.72	3	3	5	5	3	5	140	140	155	314	149	216	216	203	178
	500	31.55	170	11.72	4	3	5	5	5	-	191 (1)	140	155	314	149	216	216	-	173
	500	31.55	170	11.72	5	3	5	5	5	-	191	140	155	314	149	216	216	-	180
	500	31.55	170	11.72	3	3	6	-	3	5	140	140	155	314	149	216	-	203	178
	500	31.55	170	11.72	4	3	6	-	5	-	191	140	155	314	149	216	-	-	173
	500	31.55	170	11.72	5	3	6	-	5	-	191	140	155	314	149	216	-	-	180
	750	47.32	170	11.72	4	4	6	6	6	-	203	165	168	432	164	216	210	-	294
	750	47.32	170	11.72	5	4	6	6	6	-	203 (1)	165	168	432	164	216	210	-	294
	750	47.32	170	11.72	4	4	8	-	6	-	203	165	168	432	164	267	-	-	294
	750	47.32	170	11.72	5	4	8	-	6	-	203 (1)	165	168	432	164	267	-	-	294
	1000	63.09	170	11.72	5	4	8	-	6	-	203	165	168	432	164	267	-	-	294
	1000	63.09	170	11.72	6	4	8	-	6	-	203 (1)	165	168	432	164	267	-	-	294
	1250	78.86	170	11.72	6	6	8	8	8	-	229	203	238	454	216	356	197	-	486
	1250	78.86	170	11.72	6	6	10	-	8	-	229	203	238	454	216	356	-	-	486
	1500	94.64	170	11.72	6	6	8	8	8	-	229	203	238	454	216	356	197	-	486
	1500	94.64	170	11.72	8	6	8	8	8	-	229 (1)	203	238	454	216	356	197	-	486
	1500	94.64	170	11.72	6	6	10	-	8	-	229	203	238	454	216	356	-	-	486
	1500	94.64	170	11.72	8	6	10	-	8	-	229 (1)	203	238	454	216	356	-	-	486
	2000	126.18	170	11.72	6	6	10	-	6	10	203	203	238	454	216	356	-	305	569
	2000	126.18	170	11.72	8	6	10	-	8	10	229	203	238	454	216	356	-	305	515
	2500	157.73	170	11.72	8	6	10	-	8	10	229	203	238	454	216	356	-	305	515
	2500	157.73	170	11.72	10	6	10	-	10	-	279	203	238	454	216	356	-	-	543

(1) ADD 10 mm ON PUMP DISCHARGE FLANGE SIDE OF TEE FOR TUF AND TUTF PUMPS



**HORIZONTAL FIRE SPLIT CASE  
FIRE PUMPS**



**Fire Pump Fitting Outline Dimensions  
Standard Pressure**

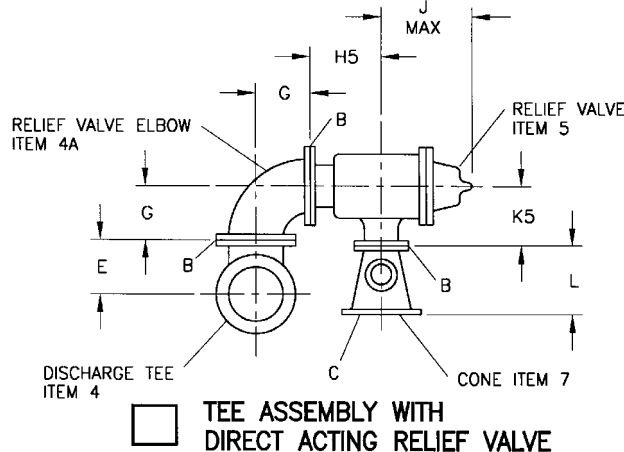
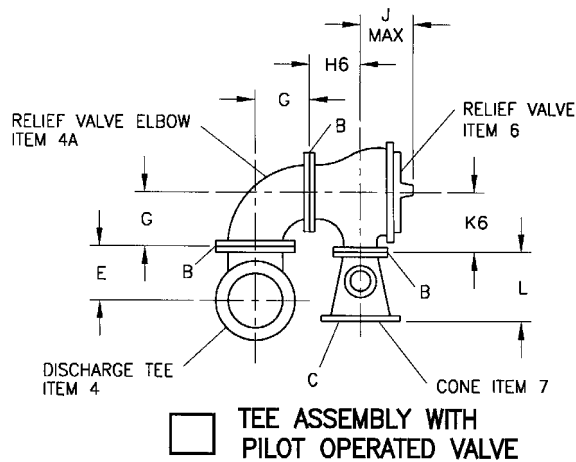
DISCHARGE TEE ASSEMBLY WITH PILOT OPERATED RELIEF VALVE																									
✓	PUMP RATED US GPM	PUMP RATED Liters/ Sec	MAX. WORK. PRESS. PSig	MAX. WORK. PRESS. Bars	Dimensions in Inches- Flanges						Dimensions in mm (millimeters)													TOTAL ASSEM WT Kg	
					A	B	C	C	D	M	E	G	Watts			OCV			Cla-Val			L (C.I.)	L (Fab Stl)		N
					(PUMP DISCH)		(C.I.)	(Fab)					H6	J	K6	H6	J	K6	H6	J	K6				
500	31.55	175	12.07	3	3	5	5	3	5	140	140	146	314	146	102	264	152	102	318	152	216	216	127	178	
500	31.55	175	12.07	4	3	5	5	5	-	191 (1)	140	146	314	146	102	264	152	102	318	152	216	216	-	173	
500	31.55	175	12.07	5	3	5	5	5	-	191	140	146	314	146	102	264	152	102	318	152	216	216	-	180	
500	31.55	175	12.07	3	3	6	-	3	5	140	140	146	314	146	102	264	152	102	318	152	216	-	127	178	
500	31.55	175	12.07	4	3	6	-	5	-	191 (1)	140	146	314	146	102	264	152	102	318	152	216	-	-	173	
500	31.55	175	12.07	5	3	6	-	5	-	191	140	146	314	146	102	264	152	102	318	152	216	-	-	180	
750	47.32	175	12.07	4	4	6	6	6	-	203	165	171	432	171	114	302	191	127	330	191	216	210	-	294	
750	47.32	175	12.07	5	4	6	6	6	-	203 (1)	165	171	432	171	114	302	191	127	330	191	216	210	-	294	
750	47.32	175	12.07	4	4	8	-	6	-	203	165	171	432	171	114	302	191	127	330	191	267	-	-	294	
750	47.32	175	12.07	5	4	8	-	6	-	203 (1)	165	171	432	171	114	302	191	127	330	191	267	-	-	294	
1000	63.09	175	12.07	5	4	8	-	6	-	203	165	171	432	171	114	302	191	127	330	191	267	-	-	294	
1000	63.09	175	12.07	6	4	8	-	6	-	203 (1)	165	171	432	171	114	302	191	127	330	191	267	-	-	294	
1250	78.86	175	12.07	6	6	8	8	8	-	229	203	216	454	216	152	353	254	152	363	254	356	197	-	486	
1250	78.86	175	12.07	6	6	10	-	8	-	229	203	216	454	216	152	353	254	152	363	254	356	-	-	486	
1500	94.64	175	12.07	6	6	8	8	8	-	229	203	216	454	216	152	353	254	152	363	254	356	197	-	486	
1500	94.64	175	12.07	8	6	8	8	8	-	203 (1)	203	216	454	216	152	353	254	152	363	254	356	197	-	486	
1500	94.64	175	12.07	6	6	10	-	8	-	229	203	216	454	216	152	353	254	152	363	254	356	-	-	486	
1500	94.64	175	12.07	8	6	10	-	8	-	203 (1)	203	216	454	216	152	353	254	152	363	254	356	-	-	486	
2000	126.18	175	12.07	6	6	10	-	6	10	203	203	216	454	216	152	353	254	152	363	254	356	-	254	569	
2000	126.18	175	12.07	8	6	10	-	8	10	229	203	216	454	216	152	353	254	152	363	254	356	-	254	515	
2500	157.73	175	12.07	8	6	10	-	8	10	229	203	216	454	216	152	353	254	152	363	254	356	-	254	515	
2500	157.73	175	12.07	10	6	10	-	10	-	279	203	216	454	216	152	353	254	152	363	254	356	-	-	543	
3000	189.27	175	12.07	8	8	-	12	8	12	229	229	279	873	279	203	464 (2)	322	203	414	324	-	229	305	886	
3000	189.27	175	12.07	10	8	-	12	12	-	305	229	279	873	279	203	464 (2)	322	203	414	324	-	229	-	886	
3000	189.27	175	12.07	12	8	-	12	12	-	305	229	279	873	279	203	464 (2)	322	203	414	324	-	229	-	886	
3500	220.82	175	12.07	10	8	-	12	12	-	305	229	279	873	279	203	464 (2)	322	203	414	324	-	229	-	886	
3500	220.82	175	12.07	12	8	-	12	12	-	305	229	279	873	279	203	464 (2)	322	203	414	324	-	229	-	886	
4000	252.36	175	12.07	10	8	-	14	12	-	305	229	279	873	279	203	464 (2)	322	203	414	324	-	356	-	886	
4000	252.36	175	12.07	12	8	-	14	12	-	305	229	279	873	279	203	464 (2)	322	203	414	324	-	356	-	886	
4500	283.91	150	10.34	10	8	-	14	14	-	356	229	279	873	279	203	464 (2)	322	203	414	324	-	356	-	950	
4500	283.91	150	10.34	12	8	-	14	14	-	356	229	279	873	279	203	464 (2)	322	203	414	324	-	356	-	950	
5000	315.45	150	10.34	12	8	-	14	14	-	356	229	279	873	279	203	464 (2)	322	203	414	324	-	356	-	950	

(1) Add 10 mm on Pump Discharge Flange Side of TEE for TUF and TUTF Pumps  
 (2) Valve must be mounted with stem in vertical position, interchange elbow and relief valve  
 Subject to change without notice

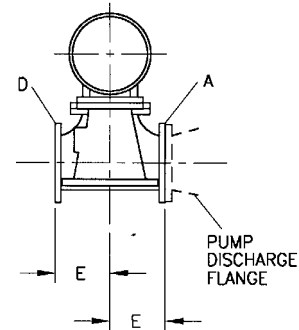


**HORIZONTAL FIRE PUMPS**  
Electric Motor or Diesel Engine Driven  
Fire Fitting Outline Drawing  
High Pressure

**END VIEWS**



**SIDE VIEW**



**Notes:**

1. Only Items marked  will be furnished.
2. All dimensions are in inches.
3. Pump flanges must not be used to support weight of fittings.
4. All fitting flanges will conform to ANSI Standard B16.1 and will be:
  - a.) 250 Lb. on relief valve inlet and relief valve elbow.
  - b.) 300 Lb. on OCV and Cla-Val Valve inlet and outlet.
  - c.) 250 or 300 Lb. on tee.
  - d.) 125 or 150 Lb. cone inlet and outlet.
5. All gaskets and bolting are to be supplied by others.
6. All direct acting and pilot operated valves are suitable for a back pressure up to 100 psi.

<input checked="" type="checkbox"/>	Item	Description
	4	Discharge Tee
	4A	Relief Valve Elbow
	5	Direct Acting Relief Valve
	6	Pilot Operated Relief Valve
	7	Overflow Cone

<input checked="" type="checkbox"/>	Manufacturer	Model	Listing /Approval				Pressure Range Psi
			3 In	4 In	6 In	8 In	
	Kunkle	218CS164	UL/FM	UL/FM	UL/FM	Not Available	70 to 200
	Watts	1116FM	UL	UL/FM	UL/FM	Not Listed or Approved	100 to 300
	OCV	OCV 108FCA	UL	UL	UL	Not UL Listed	100 to 300
	OCV	OCV 108FCA	FM	FM	FM	FM	60 to 180
	Cla-Val	50BK4KG1	UL	UL	UL	Not UL Listed	100 to 300
	Cla-Val	50BK4KG1	FM	FM	FM	FM	20 to 200

**HORIZONTAL FIRE SPLIT CASE FIRE  
PUMPS**



**Fire Pump Fitting Outline Dimensions  
High Pressure**

<b>DISCHARGE TEE ASSEMBLY WITH KUNKLE DIRECT ACTING RELIEF VALVE</b>															
<b>Ö</b>	<b>PUMP RATED GPM</b>	<b>MAXIMUM WORKING PRESSURE psi</b>	<b>A (PUMP DISCH)</b>	<b>B</b>	<b>C (C.I.)</b>	<b>C (Fab Stl)</b>	<b>D</b>	<b>E</b>	<b>G</b>	<b>H5</b>	<b>J</b>	<b>K5</b>	<b>L (C.I.)</b>	<b>L (Fab Stl)</b>	<b>TOTAL ASSEM WT lb</b>
	500	200	3	3	5	5	5	8	6	6.12	12.38	5.88	8.5	8.50	278
	500	200	4	3	5	5	5	8	6	6.12	12.38	5.88	8.5	8.50	313
	500	200	5	3	5	5	5	8	6	6.12	12.38	5.88	8.5	8.50	313
	500	200	3	3	6	-	5	8	6	6.12	12.38	5.88	8.5	-	278
	500	200	4	3	6	-	5	8	6	6.12	12.38	5.88	8.5	-	313
	500	200	5	3	6	-	5	8	6	6.12	12.38	5.88	8.5	-	313
	750	200	4	4	6	6	6	8.5	7	6.62	17	6.44	8.5	8.25	432
	750	200	5	4	6	6	6	8.5	7	6.62	17	6.44	8.5	8.25	437
	750	200	4	4	8	-	6	8.5	7	6.62	17	6.44	10.5	-	432
	750	200	5	4	8	-	6	8.5	7	6.62	17	6.44	10.5	-	437
	1000	200	5	4	8	-	6	8.5	7	6.62	17	6.44	10.5	-	437
	1000	200	6	4	8	-	6	8.5	7	6.62	17	6.44	10.5	-	447
	1250	200	6	6	8	8	8	10	8.5	9.38	17.88	8.5	14	7.75	711
	1250	200	6	6	10	-	8	10	8.5	9.38	17.88	8.5	14	-	711
	1500	200	6	6	8	8	8	10	8.5	9.38	17.88	8.5	14	7.75	711
	1500	200	8	6	8	8	8	10	8.5	9.38	17.88	8.5	14	7.75	721
	1500	200	6	6	10	-	8	10	8.5	9.38	17.88	8.5	14	-	711
	1500	200	8	6	10	-	8	10	8.5	9.38	17.88	8.5	14	-	721
	2000	200	6	6	10	-	10	11.5	8.5	9.38	17.88	8.5	14	-	826
	2000	200	8	6	10	-	10	11.5	8.5	9.38	17.88	8.5	14	-	836
	2500	200	8	6	10	-	10	11.5	8.5	9.38	17.88	8.5	14	-	836
	2500	200	10	6	10	-	10	11.5	8.5	9.38	17.88	8.5	14	-	836



Fire Pump Fitting Outline Dimensions High Pressure

DISCHARGE TEE ASSEMBLY WITH PILOT OPERATED RELIEF VALVE																					
✓	PUMP RATED GPM	MAXIMUM WORKING PRESSURE psi	A (PUMP DISCH)	B	C (C.I.)	C (Fab Stl)	D	E	G	Watts-Muesco			OCV			Cla-Val			L (C.I.)	L (Fab Stl)	TOTAL ASSEM WT lb
										H6	J	K6	H6	J	K6	H6	J	K6			
	500	300	3	3	5	5	5	8	6	6.12	13	5.75	4.38	10.38	6.00	4.38	12.50	6.00	8.5	8.5	265
	500	300	4	3	5	5	5	8	6	6.12	13	5.75	4.38	10.38	6.00	4.38	12.50	6.00	8.5	8.5	300
	500	300	5	3	5	5	5	8	6	6.12	13	5.75	4.38	10.38	6.00	4.38	12.50	6.00	8.5	8.5	300
	500	300	3	3	6	-	5	8	6	6.12	13	5.75	4.38	10.38	6.00	4.38	12.50	6.00	8.5	-	265
	500	300	4	3	6	-	5	8	6	6.12	13	5.75	4.38	10.38	6.00	4.38	12.50	6.00	8.5	-	300
	500	300	5	3	6	-	5	8	6	6.12	13	5.75	4.38	10.38	6.00	4.38	12.50	6.00	8.5	-	300
	750	300	4	4	6	6	6	8.5	7	7.12	17	6.75	5.81	11.88	7.81	5.31	13.00	7.50	8.5	8.25	422
	750	300	5	4	6	6	6	8.5	7	7.12	17	6.75	5.81	11.88	7.81	5.31	13.00	7.50	8.5	8.25	427
	750	300	4	4	8	-	6	8.5	7	7.12	17	6.75	5.81	11.88	7.81	5.31	13.00	7.50	10.5	-	422
	750	300	5	4	8	-	6	8.5	7	7.12	17	6.75	5.81	11.88	7.81	5.31	13.00	7.50	10.5	-	427
	1000	300	5	4	8	-	6	8.5	7	7.12	17	6.75	5.81	11.88	7.81	5.31	13.00	7.50	10.5	-	427
	1000	300	6	4	8	-	6	8.5	7	7.12	17	6.75	5.81	11.88	7.81	5.31	13.00	7.50	10.5	-	437
	1250	300	6	6	8	8	8	10	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	7.75	726
	1250	300	6	6	10	-	8	10	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	726
	1500	300	6	6	8	8	8	10	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	7.75	726
	1500	300	8	6	8	8	8	10	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	7.75	736
	1500	300	6	6	10	-	8	10	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	726
	1500	300	8	6	10	-	8	10	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	736
	2000	300	6	6	10	-	10	11.5	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	841
	2000	300	8	6	10	-	10	11.5	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	851
	2500	300	8	6	10	-	10	11.5	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	851
	2500	300	10	6	10	-	10	11.5	8.5	9	18	8.5	6.50	13.88	10.00	6.50	14.31	10.00	14	-	851
	3000	300	8	8	-	12	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	9	1195
	3000	300	10	8	-	12	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	9	1210
	3000	300	12	8	-	12	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	9	1210
	3500	300	10	8	-	12	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	9	1210
	3500	300	12	8	-	12	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	9	1210
	4000	300	10	8	-	14	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	14	1210
	4000	300	12	8	-	14	12	13	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	14	1260
	4500	300	10	8	-	14	14	15	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	14	1385
	4500	300	12	8	-	14	14	15	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	14	1420
	5000	300	12	8	-	14	14	15	10	11.5	20	11	8.50	18.25 *	12.69	8.50	16.31	12.75	-	14	1420

\* Valve must be mounted with stem in the vertical position, refer to factory for fittings to ada

Rev 09-04

**HORIZONTAL FIRE SPLIT CASE FIRE PUMPS**  
**Electric Motor or Diesel Engine Driven**



**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**Fire Pump Fitting Outline Dimensions**  
**High Pressure**

<b>DISCHARGE TEE ASSEMBLY WITH KUNKLE DIRECT ACTING RELIEF VALVE</b>																	
✓	PUMP RATED US GPM	PUMP RATED Liters/ Sec	MAX. WORK. PRESS. Psig	MAX. WORK. PRESS. Bar	Dimensions in Inches - Flanges					Dimensions in mm (Millimeters)							TOTAL ASSEM WT Kg
					A (PUMP DISCH)	B	C (C.I.)	C (Fab Stl)	D	E	G	H5	J	K5	L (C.I.)	L (Fab Stl)	
	500	31.55	200	13.79	3	3	5	5	5	203	152	155	314	149	216	216	126
	500	31.55	200	13.79	4	3	5	5	5	203	152	155	314	149	216	216	142
	500	31.55	200	13.79	5	3	5	5	5	203	152	155	314	149	216	216	142
	500	31.55	200	13.79	3	3	6	-	5	203	152	155	314	149	216	-	126
	500	31.55	200	13.79	4	3	6	-	5	203	152	155	314	149	216	-	142
	500	31.55	200	13.79	5	3	6	-	5	203	152	155	314	149	216	-	142
	750	47.32	200	13.79	4	4	6	6	6	216	178	168	432	164	216	210	196
	750	47.32	200	13.79	5	4	6	6	6	216	178	168	432	164	216	210	199
	750	47.32	200	13.79	4	4	8	-	6	216	178	168	432	164	267	-	196
	750	47.32	200	13.79	5	4	8	-	6	216	178	168	432	164	267	-	199
	1000	63.09	200	13.79	5	4	8	-	6	216	178	168	432	164	267	-	199
	1000	63.09	200	13.79	6	4	8	-	6	216	178	168	432	164	267	-	203
	1250	78.86	200	13.79	6	6	8	8	8	254	216	238	454	216	356	197	323
	1250	78.86	200	13.79	6	6	10	-	8	254	216	238	454	216	356	-	323
	1500	94.64	200	13.79	6	6	8	8	8	254	216	238	454	216	356	197	323
	1500	94.64	200	13.79	8	6	8	8	8	254	216	238	454	216	356	197	328
	1500	94.64	200	13.79	6	6	10	-	8	254	216	238	454	216	356	-	323
	1500	94.64	200	13.79	8	6	10	-	8	254	216	238	454	216	356	-	328
	2000	126.18	200	13.79	6	6	10	-	10	292	216	238	454	216	356	-	375
	2000	126.18	200	13.79	8	6	10	-	10	292	216	238	454	216	356	-	380
	2500	157.73	200	13.79	8	6	10	-	10	292	216	238	454	216	356	-	380
	2500	157.73	200	13.79	10	6	10	-	10	292	216	238	454	216	356	-	380



Fire Pump Fitting Outline Dimensions High Pressure

DISCHARGE TEE ASSEMBLY WITH PILOT OPERATED RELIEF VALVE																							
✓	PUMP RATED US GPM	PUMP RATED Liters/Sec.	MAX. WORK. PRESS. Psig	MAX. WORK. PRESS. Bars	Dimensions in Inches - Flanges					Dimensions in mm (millimeters)												TOTAL ASSEM WT Kg	
					A (PUMP DISCH)	B	C (C.I.)	C (Fab Stl)	D	E	G	Watts-Muesco			OCV			Cla-Val			L (C.I.)		L (Fab Stl)
												H6	J	K6	H6	J	K6	H6	J	K6			
500	31.55	300	20.68	3	3	5	5	5	203	152	155	330	146	111	264	152	111	318	152	216	216	120	
500	31.55	300	20.68	4	3	5	5	5	203	152	155	330	146	111	264	152	111	318	152	216	216	136	
500	31.55	300	20.68	5	3	5	5	5	203	152	155	330	146	111	264	152	111	318	152	216	216	136	
500	31.55	300	20.68	3	3	6	-	5	203	152	155	330	146	111	264	152	111	318	152	216	-	120	
500	31.55	300	20.68	4	3	6	-	5	203	152	155	330	146	111	264	152	111	318	152	216	-	136	
500	31.55	300	20.68	5	3	6	-	5	203	152	155	330	146	111	264	152	111	318	152	216	-	136	
750	47.32	300	20.68	4	4	6	6	6	216	178	181	432	171	148	302	198	135	330	191	216	210	192	
750	47.32	300	20.68	5	4	6	6	6	216	178	181	432	171	148	302	198	135	330	191	216	210	194	
750	47.32	300	20.68	4	4	8	-	6	216	178	181	432	171	148	302	198	135	330	191	267	-	192	
750	47.32	300	20.68	5	4	8	-	6	216	178	181	432	171	148	302	198	135	330	191	267	-	194	
1000	63.09	300	20.68	5	4	8	-	6	216	178	181	432	171	148	302	198	135	330	191	267	-	194	
1000	63.09	300	20.68	6	4	8	-	6	216	178	181	432	171	148	302	198	135	330	191	267	-	199	
1250	78.86	300	20.68	6	6	8	8	8	254	216	229	457	216	165	353	254	165	363	254	356	197	330	
1250	78.86	300	20.68	6	6	10	-	8	254	216	229	457	216	165	353	254	165	363	254	356	-	330	
1500	94.64	300	20.68	6	6	8	8	8	254	216	229	457	216	165	353	254	165	363	254	356	197	330	
1500	94.64	300	20.68	8	6	8	8	8	254	216	229	457	216	165	353	254	165	363	254	356	197	335	
1500	94.64	300	20.68	6	6	10	-	8	254	216	229	457	216	165	353	254	165	363	254	356	-	330	
1500	94.64	300	20.68	8	6	10	-	8	254	216	229	457	216	165	353	254	165	363	254	356	-	335	
2000	126.18	300	20.68	6	6	10	-	10	292	216	229	457	216	165	353	254	165	363	254	356	-	382	
2000	126.18	300	20.68	8	6	10	-	10	292	216	229	457	216	165	353	254	165	363	254	356	-	387	
2500	157.73	300	20.68	8	6	10	-	10	292	216	229	457	216	165	353	254	165	363	254	356	-	387	
2500	157.73	300	20.68	10	6	10	-	10	292	216	229	457	216	165	353	254	165	363	254	356	-	387	
3000	189.27	300	20.68	8	8	-	12	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	229	543	
3000	189.27	300	20.68	10	8	-	12	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	229	550	
3000	189.27	300	20.68	12	8	-	12	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	229	550	
3500	220.82	300	20.68	10	8	-	12	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	229	550	
3500	220.82	300	20.68	12	8	-	12	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	229	550	
4000	206.8	300	20.68	10	8	-	14	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	356	550	
4000	252.36	300	20.68	12	8	-	14	12	330	254	292	508	279	216	464 (1)	322	216	414	324	-	356	573	
4500	283.91	300	20.68	10	8	-	14	14	381	254	292	508	279	216	464 (1)	322	216	414	324	-	356	630	
4500	283.91	300	20.68	12	8	-	14	14	381	254	292	508	279	216	464 (1)	322	216	414	324	-	356	645	
5000	315.45	300	20.68	12	8	-	14	14	381	254	292	508	279	216	464 (1)	322	216	414	324	-	356	645	

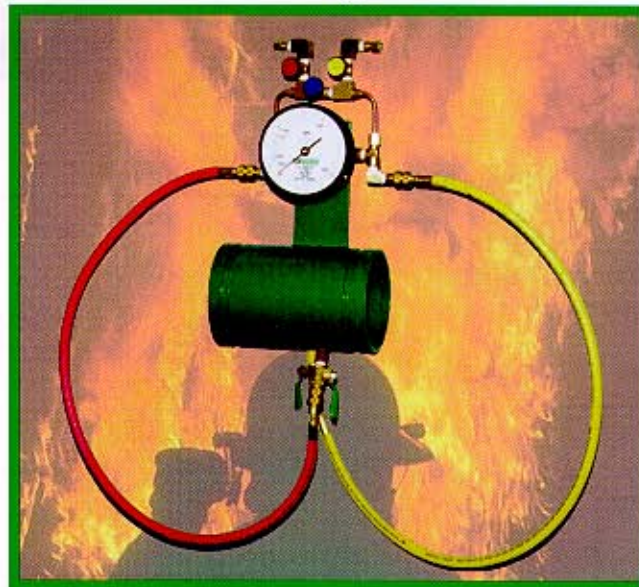
(1) Valve must be mounted with stem in the vertical position, refer to factory for fittings to adapt.

**Blank**

# Fire Pump Meters



APPROVED



APPROVED

Pipe Size	Meter Range Min & Max GPM	Grooved Model No.	Butt Weld Model No.	Flanged Model No.
2 1/2"	50-200	PFV250GVD/FGE100	PFV250BW/FGE100	PFV250FLG/FGE100
3"	75-300	PFV300GVD/FGE150	PFV300BW/FGE150	PFV300FLG/FGE150
3"	100-400	PFV300GVD/FGE200	PFV300BW/FGE200	PFV300FLG/FGE200
4"	125-500	PFV400GVD/FGE250	PFV400BW/FGE250	PFV400FLG/FGE250
4"	150-600	PFV400GVD/FGE300	PFV400BW/FGE300	PFV400FLG/FGE300
4"	200-800	PFV400GVD/FGE400	PFV400BW/FGE400	PFV400FLG/FGE400
4"	225-900	PFV400GVD/FGE450	PFV400BW/FGE450	PFV400FLG/FGE450
5"	225-900	PFV500GVD/FGE450	PFV500BW/FGE450	PFV500FLG/FGE450
5"	250-1000	PFV500GVD/FGE500	PFV500BW/FGE500	PFV500FLG/FGE500
5"	375-1500	PFV500GVD/FGE750	PFV500BW/FGE750	PFV500FLG/FGE750
6"	250-1000	PFV600GVD/FGE500	PFV600BW/FGE500	PFV600FLG/FGE500
6"	375-1500	PFV600GVD/FGE750	PFV600BW/FGE750	PFV600FLG/FGE750
6"	500-2000	PFV600GVD/FGE1000	PFV600BW/FGE1000	PFV600FLG/FGE1000
6"	625-2500	PFV600GVD/FGE1250	PFV600BW/FGE1250	PFV600FLG/FGE1250
8"	500-2000	PFV800GVD/FGE1000	PFV800BW/FGE1000	PFV800FLG/FGE1000
8"	625-2500	PFV800GVD/FGE1250	PFV800BW/FGE1250	PFV800FLG/FGE1250
8"	750-3000	PFV800GVD/FGE1500	PFV800BW/FGE1500	PFV800FLG/FGE1500
8"	1000-4000	PFV800GVD/FGE2000	PFV800BW/FGE2000	PFV800FLG/FGE2000
8"	1250-5000	PFV800GVD/FGE2500	PFV800BW/FGE2500	PFV800FLG/FGE2500
8"	1500-6000	PFV800GVD/FGE3000	PFV800BW/FGE3000	PFV800FLG/FGE3000
10"	750-3000	PFV1000GVD/FGE1500	PFV1000BW/FGE1500	PFV1000FLG/FGE1500
10"	1000-4000	PFV1000GVD/FGE2000	PFV1000BW/FGE2000	PFV1000FLG/FGE2000
10"	1250-5000	PFV1000GVD/FGE2500	PFV1000BW/FGE2500	PFV1000FLG/FGE2500
10"	1500-6000	PFV1000GVD/FGE3000	PFV1000BW/FGE3000	PFV1000FLG/FGE3000
10"	1750-7000	PFV1000GVD/FGE3500	PFV1000BW/FGE3500	PFV1000FLG/FGE3500
12"	1000-4000	PFV1200GVD/FGE2000	PFV1200BW/FGE2000	PFV1200FLG/FGE2000
12"	1250-5000	PFV1200GVD/FGE2500	PFV1200BW/FGE2500	PFV1200FLG/FGE2500
12"	1500-6000	PFV1200GVD/FGE3000	PFV1200BW/FGE3000	PFV1200FLG/FGE3000
12"	1750-7000	PFV1200GVD/FGE3500	PFV1200BW/FGE3500	PFV1200FLG/FGE3500
14"	1750-7000	PFV1400GVD/FGE3500	PFV1400BW/FGE3500	PFV1400FLG/FGE3500
14"	2000-8000	PFV1400GVD/FGE4000	PFV1400BW/FGE4000	PFV1400FLG/FGE4000
14"	2250-9000	PFV1400GVD/FGE4500	PFV1400BW/FGE4500	PFV1400FLG/FGE4500
14"	2500-10000	PFV1400GVD/FGE5000	PFV1400BW/FGE5000	PFV1400FLG/FGE5000
16"	2250-9000	PFV1600GVD/FGE4500	PFV1600BW/FGE4500	PFV1600FLG/FGE4500
16"	2500-10000	PFV1600GVD/FGE5000	PFV1600BW/FGE5000	PFV1600FLG/FGE5000



# Fire Pump Meters - Dimensional Data

Model: PFV - CV

## Construction & Specifications

**Material:** Carbon Steel ASTM A53 /  
Carbon Steel Insert

**Valves:** 1/4" MSAE Flare Brass Ball

**1/8" FNPT CS Weld Fitting:** 150# for 1-1/4" thru 6"  
3000# for 8" & up

**Flange Option:**  150# ANSI B 16.5  
 300# ANSI B 16.5

**Identification Tag:** Polycarbonate

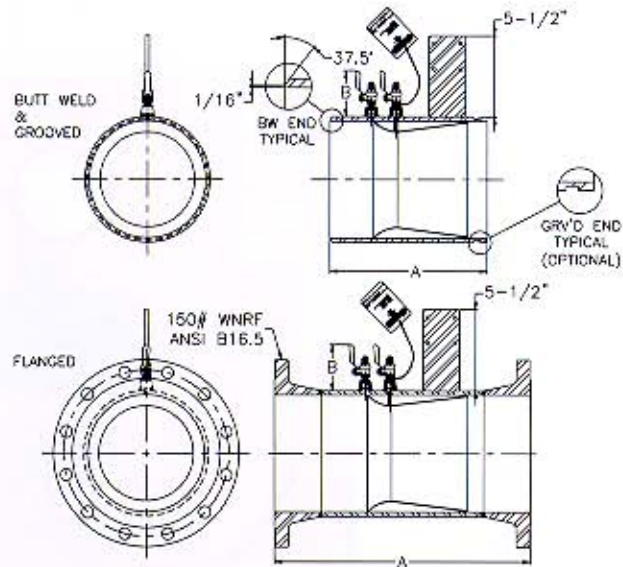
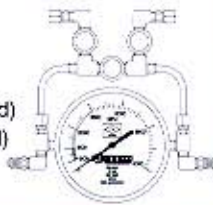
## Type of Pipe Installation

Schedule 40	Carbon Steel

### Gage Data

Construction: Brass Body  
Operation: Diaphragm (Beryllium Copper)  
Dial: 6" or 4" / 270° Arc  
Accuracy: ±1.75% Full Scale  
Temperature: 180°F / 80°C  
Pressure: 500 PSIG - 3450 KPA  
Approx. Wt.: 6" = 4.25 lbs. [1.9 kgs.]  
4" = 3.75 lbs. [1.7 kgs.]

- 4" Dial (Standard)  
 6" Dial (Optional)



DIMENSIONS IN INCHES [MILLIMETERS]

PIPE SIZE	DIM. B APPROX.	BW & GRV'D		FLANGED 150#		FLANGED 300#	
		A	APPROX. WT.	A	APPROX. WT.	A	APPROX. WT.
			lbs. kgs.		lbs. kgs.		lbs. kgs.
1-1/4"	3.50 [89]	6.00 [152]	2 0.9	N/A	N/A	N/A	N/A
2"	3.50 [89]	6.00 [152]	3 1.4	11.13 [283]	15 6.8	11.63 [295]	21 9.5
2-1/2"	3.50 [89]	6.00 [152]	3 1.4	11.63 [295]	19 8.6	12.13 [308]	27 12
3"	3.50 [89]	6.00 [152]	5 2.3	11.63 [295]	25 11	12.38 [314]	35 16
4"	3.50 [89]	7.00 [178]	7 3.2	13.13 [334]	37 17	13.88 [353]	57 26
5"	3.50 [89]	8.50 [216]	9 4.1	15.63 [397]	47 21	16.38 [416]	73 33
6"	3.50 [89]	9.50 [241]	17 7.7	16.63 [422]	65 29	17.38 [441]	101 46
8"	3.25 [83]	13.50 [343]	35 16	21.63 [549]	113 51	22.38 [568]	169 77
10"	3.25 [83]	16.00 [406]	59 27	24.13 [613]	163 74	25.38 [645]	241 109
12"	3.25 [83]	17.25 [438]	106 48	26.38 [670]	266 121	27.63 [702]	386 175
14"	3.25 [83]	19.25 [489]	130 59	29.38 [746]	350 159	30.63 [778]	490 222
16"	3.25 [83]	20.25 [514]	160 73	30.38 [772]	440 200	31.88 [810]	560 299

\* For Standard Pipe  
TEMPERATURE: 250 °F - 120 °C  
PRESSURE: 250 PSIG - 1725 KPA

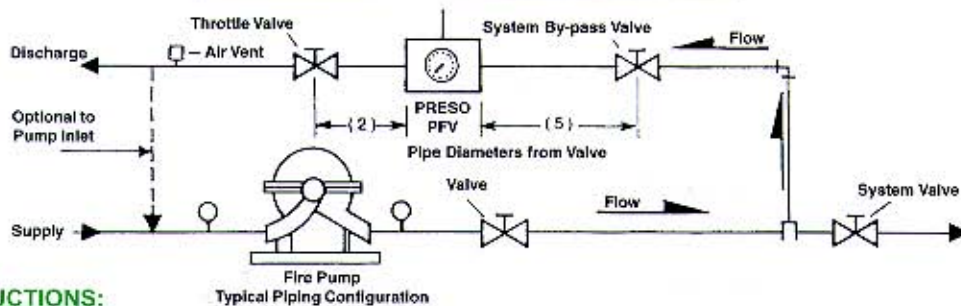


APPROVED

## PRESO FIRE PUMP SYSTEM



APPROVED



### OPERATING INSTRUCTIONS:

- CLOSE SYSTEM VALVE.
- OPEN SYSTEM BY-PASS VALVE AND TROTTLE VALVE.
- PURGE GAGE LOCATED ON VENTURI AS FOLLOWS:  
OPEN GAGE BY-PASS VALVE ( BLUE ), VENTURI SHUT-OFF VALVES ( RED & YELLOW ) AND VENT VALVES ( ABOVE GAGE ). WHEN A STEADY STREAM OF WATER IS PASSING THROUGH EACH PLASTIC HOSE, GAGE IS PURGED OF AIR. CLOSE VENT VALVES AFTER PURGING IS COMPLETE.
- START FIRE PUMP, CLOSE GAGE ( BLUE ) BY-PASS VALVE AND READ GAGE IN GPM.
- REFER TO PUMP GPM REQUIREMENT AND ADJUST TROTTLE VALVE FOR THIS REQUIREMENT.
- AFTER TEST OPEN SYSTEM VALVE AND CLOSE SYSTEM BY-PASS AND TROTTLE VALVES.



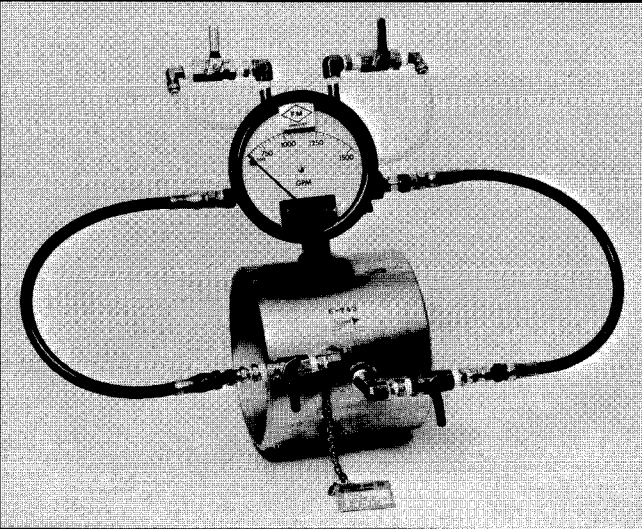
42 Gateway Drive, Plattsburgh, NY 12901  
Tel.: (518) 562-3182 • Fax: (518) 562-3227  
Toll Free: (800) 632-7337  
www.preso.com • info@preso.com

140 Merizzi, St-Laurent, P.Q. H4T 1S4  
Tel.: (514) 344-4050  
Fax: (514) 344-4052



# MODEL-K FIRE PUMP TEST METER

Bulletin 710 - 10/1/96



**- RATING 500 PSI -**

**(BUTT WELD, GROOVED ENDS & 300 # FLANGED)**

**- RATING 275 PSI -**

**(FOR 150 # FLANGED UNITS ONLY)**

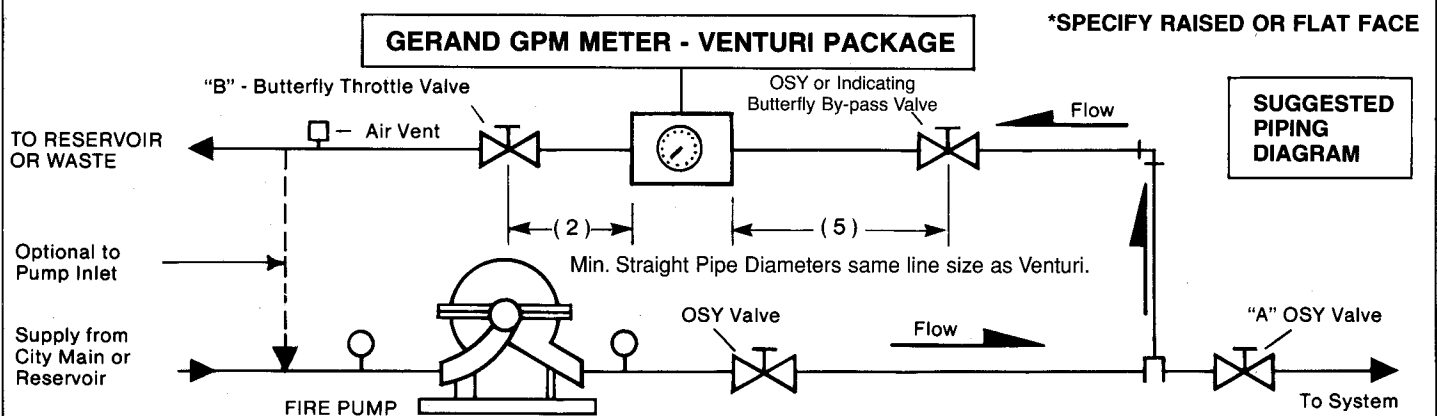
A CALIBRATED VENTURI AND ATTACHED GPM METER INSTALLED ON THE DISCHARGE OF A FIRE PUMP TO ACCURATELY DETERMINE PUMP PERFORMANCE.

4 1/2" DIAL METER IS SHIPPED FOR MOUNTING ON VENTURI BRACKET. IF METER IS TO BE REMOTE MOUNTED, CONSULT FACTORY ON SPECIAL HOSE LENGTHS.

LISTED BELOW ARE THE MOST COMMON MODEL "K" FM APPROVED PUMP GPM/LINE SIZE COMBINATIONS OF FIRE PUMP TEST METERS.

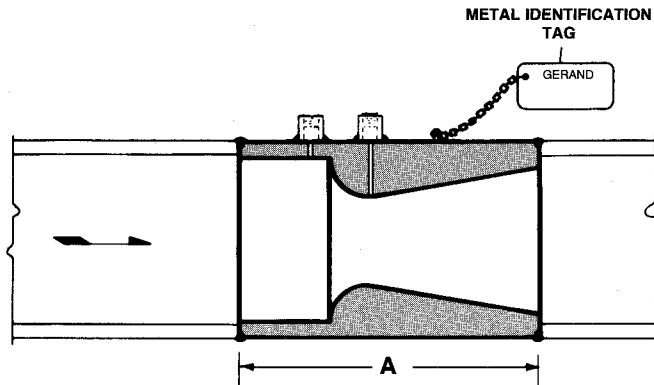
DUAL LPM/GPM SCALES AVAILABLE.

PUMP GPM	VENTURI SYSTEM MODEL NO.	PIPE SIZE	METER RANGE MIN. & MAX. GPM	WELDED OR GROOVED VENTURI LENGTH	*FLANGED VENTURI LENGTH	
					150 # (RF)	300 # (RF)
25	K-25-1 1/4 (616)	1 1/4"	12.5-50	Threaded only 3 3/4"	---	---
50	K-50-2 (685)	2"	25-100	Threaded only 4 1/4"	---	---
100	K-100-2 1/2 (746)	2 1/2"	50-200	3" (WELD) 4"	9 1/2"	10"
150	K-150-3 (766)	3"	75-300	3 1/2" (WELD) 4 3/8"	9"	10 1/4"
200	K-200-3 (766)	3"	100-400	3 1/2" (WELD) 4 3/8"	9"	10 1/4"
250	K-250-4 (744)	4"	125-500	3 1/2" (WELD) 3 3/4"	9 1/2"	10 3/4"
300	K-300-4 (744)	4"	150-600	3 1/2" (WELD) 3 3/4"	9 1/2"	10 3/4"
450	K-450-4 (744)	4"	225-900	3 1/2" (WELD) 3 3/4"	9 1/2"	10 3/4"
500	K-500-5 (715)	5"	250-1000	5"	12"	13 1/4"
750	K-750-6 (743)	6"	375-1500	6"	13"	14 1/4"
1000	K-1000-6 (743)	6"	500-2000	6"	13"	14 1/4"
1250	K-1250-6 (743)	6"	625-2500	6"	13"	14 1/4"
1500	K-1500-8 (750)	8"	750-3000	7"	15"	16 1/4"
2000	K-2000-8 (750)	8"	1000-4000	7"	15"	16 1/4"
2500	K-2500-8 (750)	8"	1250-5000	7"	15"	16 1/4"
3000	K-3000-8 (750)	8"	1500-6000	7"	15"	16 1/4"
3500	K-3500-10 (755)	10"	1750-7000	8"	16"	17 3/4"
4000	K-4000-10 (755)	10"	2000-8000	8"	16"	17 3/4"
4500	K-4500-10 (755)	10"	2250-9000	8"	16"	17 3/4"
5000	K-5000-12 (750)	12"	2500-10000	12"	21"	22 3/4"



### OPERATING INSTRUCTIONS FOR GERAND FIRE PUMP TEST METER

1. CLOSE SYSTEM OSY VALVE "A".
2. OPEN OSY BY-PASS VALVE AND "B" BUTTERFLY THROTTLE VALVE.
3. PURGE METER LOCATED ON VENTURI AS FOLLOWS:  
OPEN STATION SHUT-OFF VALVES (BELOW METER) AND VENT VALVES (ABOVE METER).  
WHEN A STEADY STREAM OF WATER IS PASSING THROUGH EACH PLASTIC HOSE, METER IS PURGED OF AIR. CLOSE VENT VALVES AFTER AIR PURGING.
4. START FIRE PUMP AND READ METER IN GPM.
5. REFER TO PUMP GPM REQUIREMENT AND ADJUST THROTTLE VALVE FOR THIS REQUIREMENT.
6. AFTER TEST, OPEN OSY VALVE "A" AND CLOSE BY-PASS AND "B" VALVES.

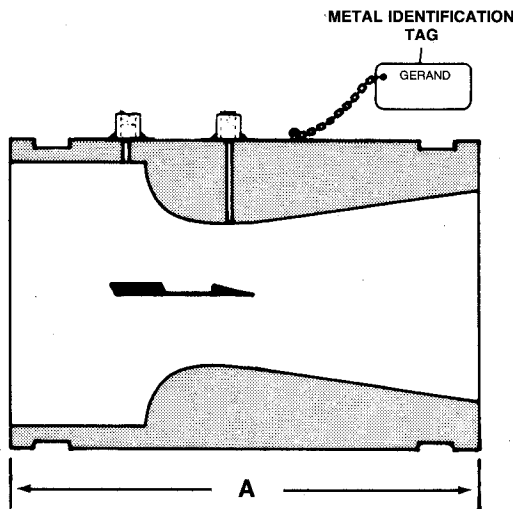


**BUTT WELD ENDS**  
Steel (2½" – 10" Zinc Plated)  
Accuracy – ±1%

SIZE	A
2½" - 746	3"
3" - 766	3½"
4" - 744	3½"
5" - 715	5"
6" - 743	6"
8" - 750	7"
10" - 755	8"
12" - 750	12"

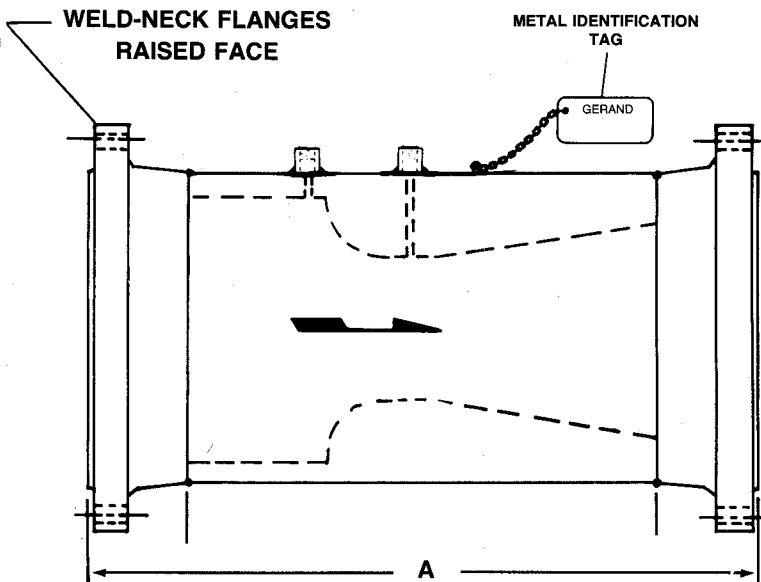
**BRASS THREADED ONLY**  
Accuracy – ±1%

1¼" - 616	3¾"
2" - 685	4¼"



**GROOVED ENDS**  
Steel (2½" – 10" Zinc Plated)  
Accuracy – ±1%

SIZE	A
2½" - 746	4"
3" - 766	4¾"
4" - 744	3¾"
5" - 715	5"
6" - 743	6"
8" - 750	7"
10" - 755	8"
12" - 750	12"



**FLANGED ENDS (RF)**  
Steel (2½" – 10" Zinc Plated)  
Accuracy – ±1%

SIZE	150 #	300 #
2½" - 746	9½"	10"
3" - 766	9"	10¼"
4" - 744	9½"	10¾"
5" - 715	12"	13¼"
6" - 743	13"	14¼"
8" - 750	15"	16¼"
10" - 755	16"	17¾"
12" - 750	21"	22¾"



Eccentric Suction an Concentric Discharge Reducers Outline Dimensions

Eccentric Suction Reducer										Concentric Discharge Reducer						Concentric Discharge Reducer							
125 Lb. ANSI Flanged										125 Lb. ANSI Flanged						250 Lb. ANSI Flanged							
175 Psig/12.06 Bar Maximum Working Pressure										175 Psig/12.06 Bar Maximum Working Pressure						500 Psig/34.47 Bar Maximum Working Pressure							
√	Flanges		C		D		Weight		√	Flanges		C		Weight		√	Flanges		C		Weight		
	A	B	Inches	mm	Inches	mm	Lb	Kg		A	B	Inches	mm	Lb	Kg		A	B	Inches	mm	Lb	Kg	
	4	3	7	177.8	0.50	12.7	29	13		3	2	6	152.4	17	7.7		5	3	8	203.2	56	25	
	5	4	8	203.2	0.50	12.7	42	19		4	2	7	177.8	26	12		5	4	8	203.2	65	30	
	6	4	9	228.6	1.00	25.4	50	23		5	3	8	203.2	34	15		6	3	9	228.6	68	31	
	6	5	9	228.6	0.50	12.7	53	24		5	4	8	203.2	42	19		6	4	9	228.6	77	35	
	8	5	11	279.4	1.50	38.1	79	36		6	3	9	228.6	40	18		6	5	9	228.6	90	41	
	8	6	11	279.4	1.00	25.4	80	36		6	4	9	228.6	51	23		8	4	11	279.4	110	50	
	10	6	12	304.8	2.00	50.8	106	48		6	5	9	228.6	55	25		8	5	11	279.4	125	57	
	10	8	12	304.8	1.00	25.4	132	60		8	4	11	279.4	71	32		8	6	11	279.4	142	65	
	12	10	14	355.6	1.00	25.4	196	89		8	5	11	279.4	78	35		10	6	12	304.8	187	85	
	150 Psig/10.34 Bar Maximum Working Pressure									8	6	11	279.4	83	38		10	8	12	304.8	196	89	
	14	12	16	406.4	1.00	25.4	225	102		10	6	12	304.8	107	49		12	8	14	355.6	260	118	
	16	12	18	457.2	2.00	50.8	251	114		10	8	12	304.8	124	56								
	16	14	18	457.2	1.00	25.4	370	168		12	8	14	355.6	162	74								
										12	10	14	355.6	183	83								
	150 Psig/10.34 Bar Maximum Working Pressure									14	10	16	406.4	257	117								
										14	12	16	406.4	281	128								
										16	10	18	457.2	296	135								

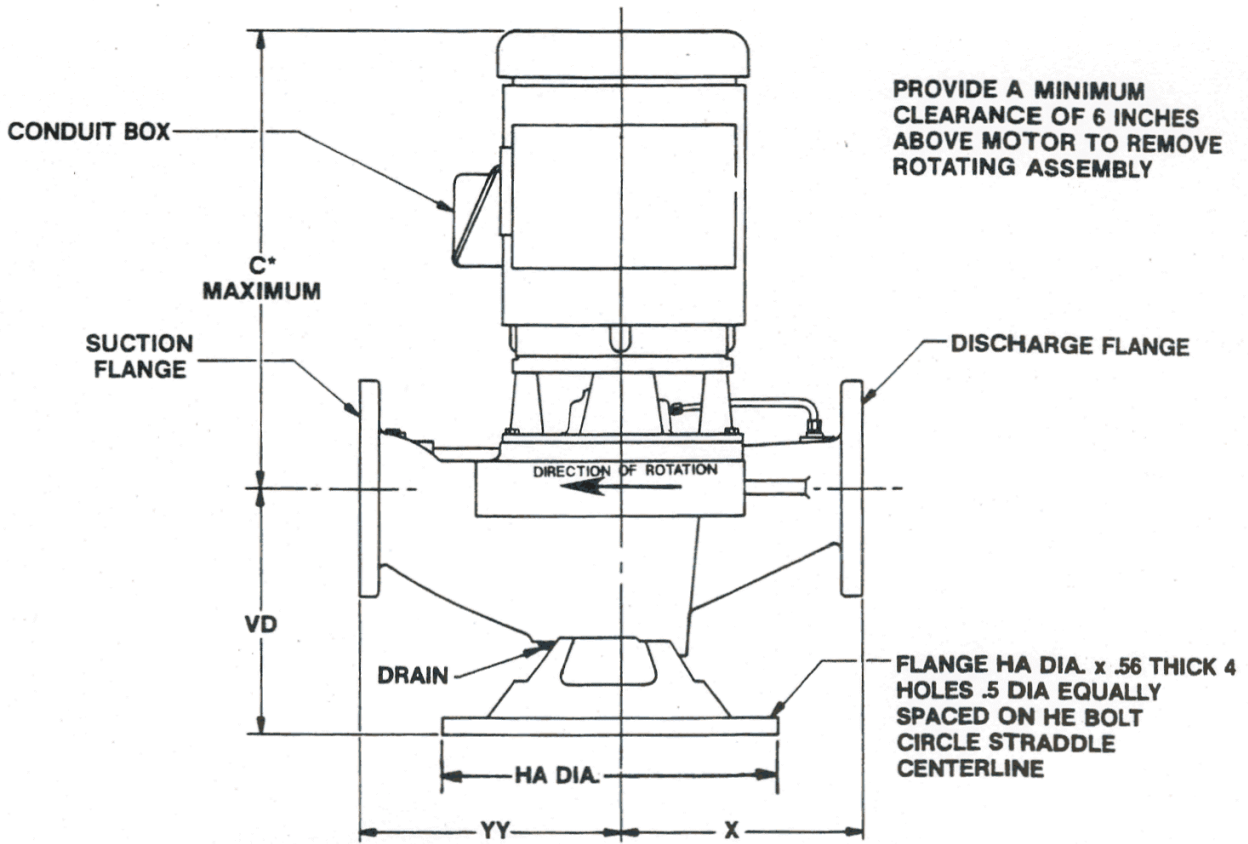
Notes:

1. Only items marked  will be furnished
2. Pump flange must not be used to support weight of Fittings

**Blank**



**INLINE FIRE PUMPS**  
**UL & ULC LISTED**  
**(Packed Type)**  
**OUTLINE DIMENSIONS**



✓	MODEL	DISCHARGE FLANGE SIZE x ANSI Lb RATING	SUCTION FLANGE SIZE x ANSI Lb RATING	PUMP DIMENSIONS IN INCHES					PUMP WEIGHT Lbs
				HA	HE	VD	YY	X	
	2.5PVFB	2.5 x 125	2.5 x 125	10	8.88	8.68	8.50	8.00	113
	3PVF8	3 x 125	3 x 125	10	8.88	8.94	9.50	8.50	139
	3PVF11#	3 x 125	3 x 125	10	8.88	8.81	10.88	11.38	165
	3PVF11#	3 x 250	3 x 125	10	8.88	8.81	10.88	11.38	170
	4PVF8G	4 x 125	4 x 125	11	9.88	9.56	11.00	10.00	175
	SPVF7	5 x 125	5 x 125	11	9.88	10.00	11.00	9.50	150
	5PVF11#	5 x 125	5 x 125	11	9.88	9.81	11.62	11.62	180
	5PVF11#	5 x 250	5 x 125	11	9.88	9.81	11.62	11.62	180
	6PVF10#	6 x 250	6 x 125	11	9.50*	14.00	16.00	14.00	400

✓	MOTOR HP	7.5	10	15	20	25	30	40	50	60	75	100	125
	ODP JPV MOTOR FRAME SIZE \$	184	213	215	254	256	284	286	324	326	364	365	404
	C MAX (In Inches) *	27	29	30	36	37	39	40	41	42	45	46	48
	ODP MOTOR WEIGHT LBS.	97	105	203	210	240	295	329			600		850

\*May be less with different make motors or enclosures.

# 284 JPV is the minimum motor size on these pumps

\*0.88 Dia. 8 Holes, 1.0" Thick Flange

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
 P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
 S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
 MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
 PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
 CERTIFIED FOR [ ] APPROVAL [ ] CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 [ ] UL [ ] ULC LISTED TOTAL UNIT WEIGHT \_\_\_\_\_

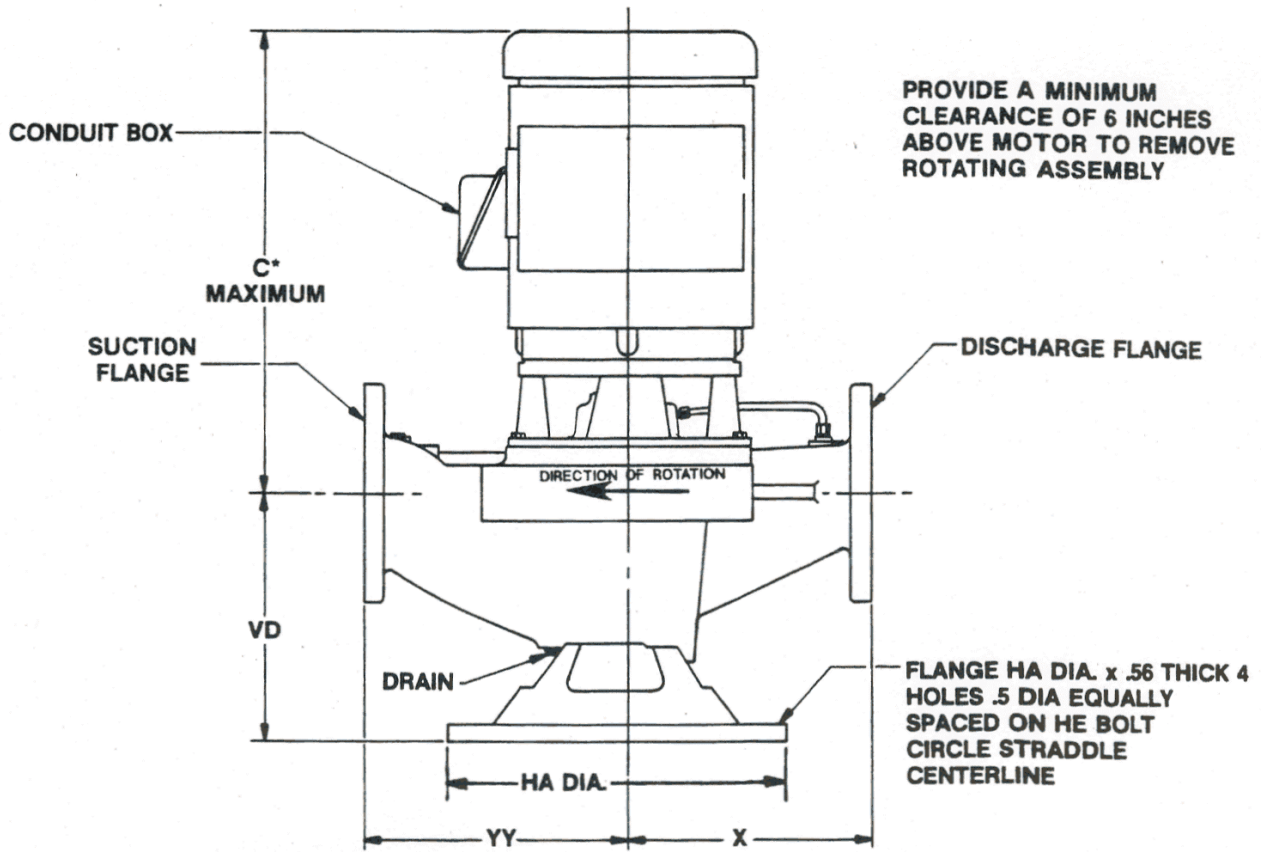
Subject to change without notice

DT4851437 Rev. 6-04

**INLINE FIRE PUMPS  
ULC LISTED  
(Mechanical Seal Type)  
OUTLINE DIMENSIONS**



**Peerless Pump Company**  
Indianapolis, IN 46207-7026



√	MODEL	DISCHARGE FLANGE SIZE x ANSI Lb RATING	SUCTION FLANGE SIZE x ANSI Lb RATING	PUMP DIMENSIONS IN INCHES					PUMP WEIGHT Lbs
				HA	HE	VD	YY	X	
	2.5PVFBM	2.5 x 125	2.5 x 125	10	8.88	8.68	8.50	8.00	113
	3PVF8M	3 x 125	3 x 125	10	8.88	8.94	9.50	8.50	139
	3PVF11M#	3 x 125	3 x 125	10	8.88	8.81	10.88	11.38	165
	3PVF11M#	3 x 250	3 x 125	10	8.88	8.81	10.88	11.38	170
	4PVF8GM	4 x 125	4 x 125	11	9.88	9.56	11.00	10.00	175
	SPVF7M	5 x 125	5 x 125	11	9.88	10.00	11.00	9.50	150
	5PVF11M#	5 x 125	5 x 125	11	9.88	9.81	11.62	11.62	180
	5PVF11M#	5 x 250	5 x 125	11	9.88	9.81	11.62	11.62	180
	6PVF10M#	6 x 250	6 x 125	11	9.50*	14.00	16.00	14.00	400

√	MOTOR HP	7.5	10	15	20	25	30	40	50	60	75	100	125
	ODP JPV MOTOR FRAME SIZE \$	184	213	215	254	256	284	286	324	326	364	365	404
	C MAX (In Inches) *	27	29	30	36	37	39	40	41	42	45	46	48
	ODP MOTOR WEIGHT LBS.	97	105	203	210	240	295	329			600		850

\*May be less with different make motors or enclosures.

# 284 JPV is the minimum motor size on these pumps

\*0.88 Dia. 8 Holes, 1.0" Thick Flange

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR [ ] APPROVAL [ ] CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
[ ] ULC LISTED TOTAL UNIT WEIGHT \_\_\_\_\_

Subject to change without notice

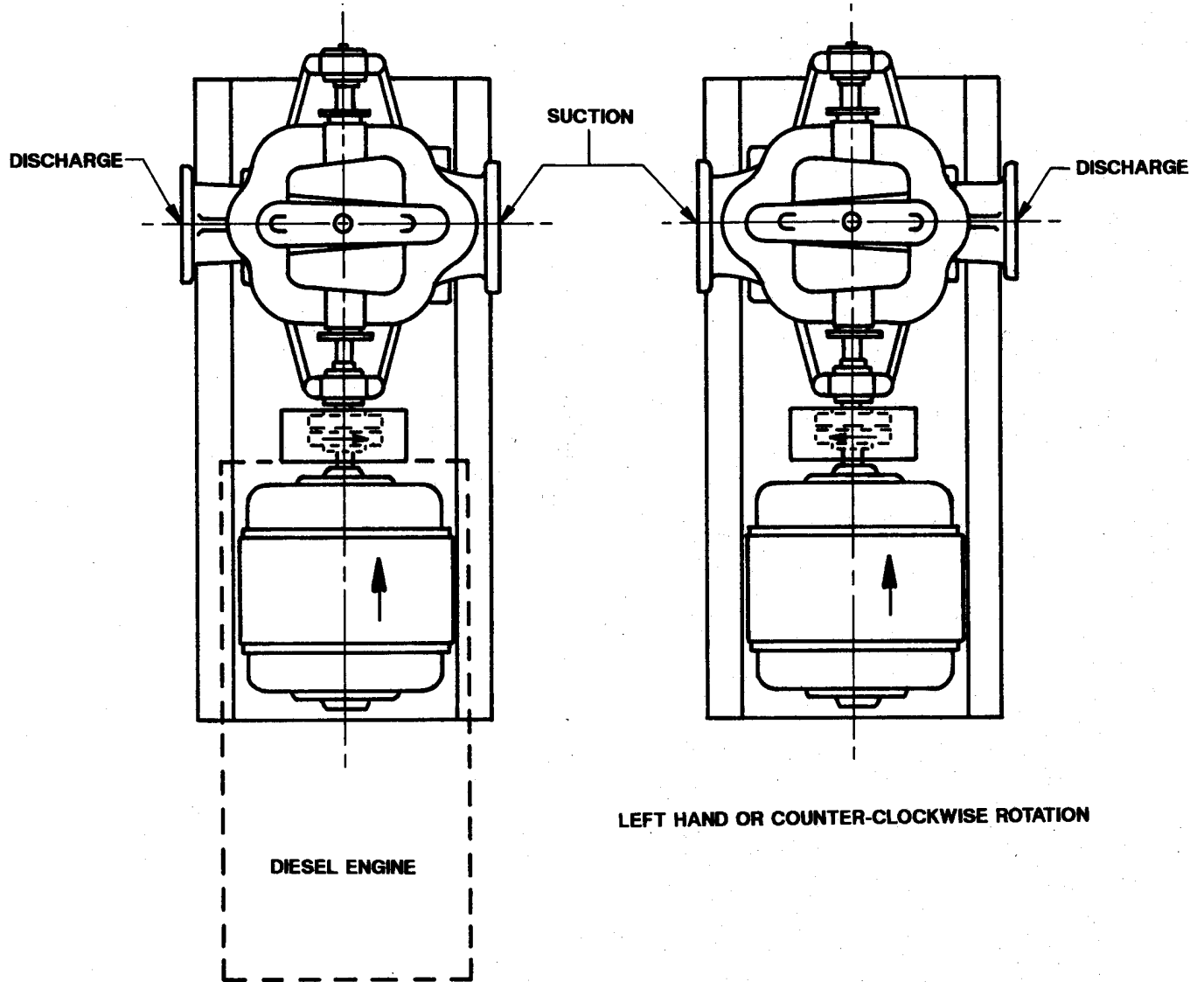
DT4851438 Rev. 6-04



### DIRECTION OF ROTATION

The rotation of a horizontal split case pump is determined by viewing the pump from the driver end in the direction of the arrow. The rotation fixes the position of the suction and discharge flanges.

For pumps having dual drive such as engine and electric motor, the rotation is specified from the engine end of the unit.



RIGHT HAND OR CLOCKWISE ROTATION

LEFT HAND OR COUNTER-CLOCKWISE ROTATION

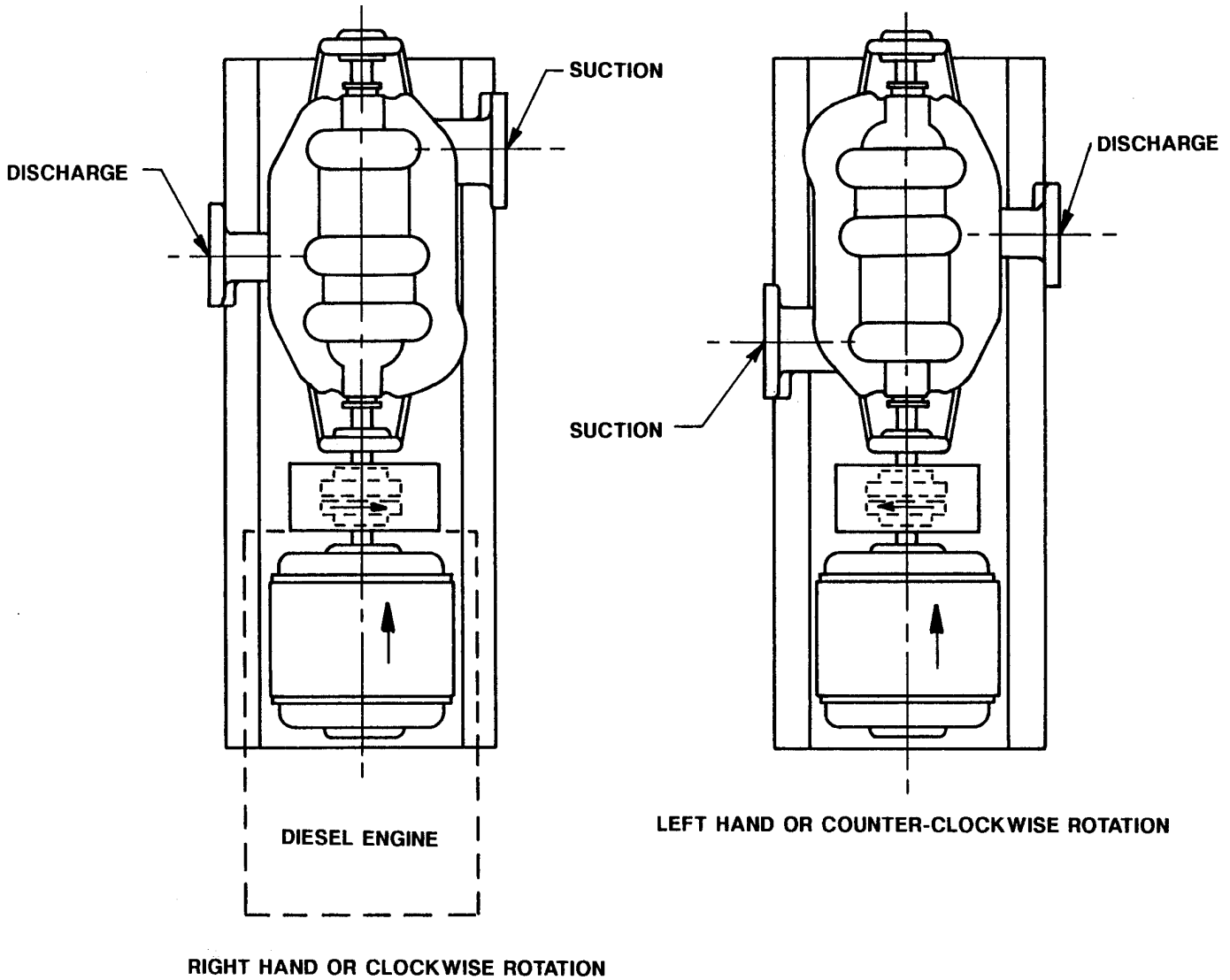




### DIRECTION OF ROTATION

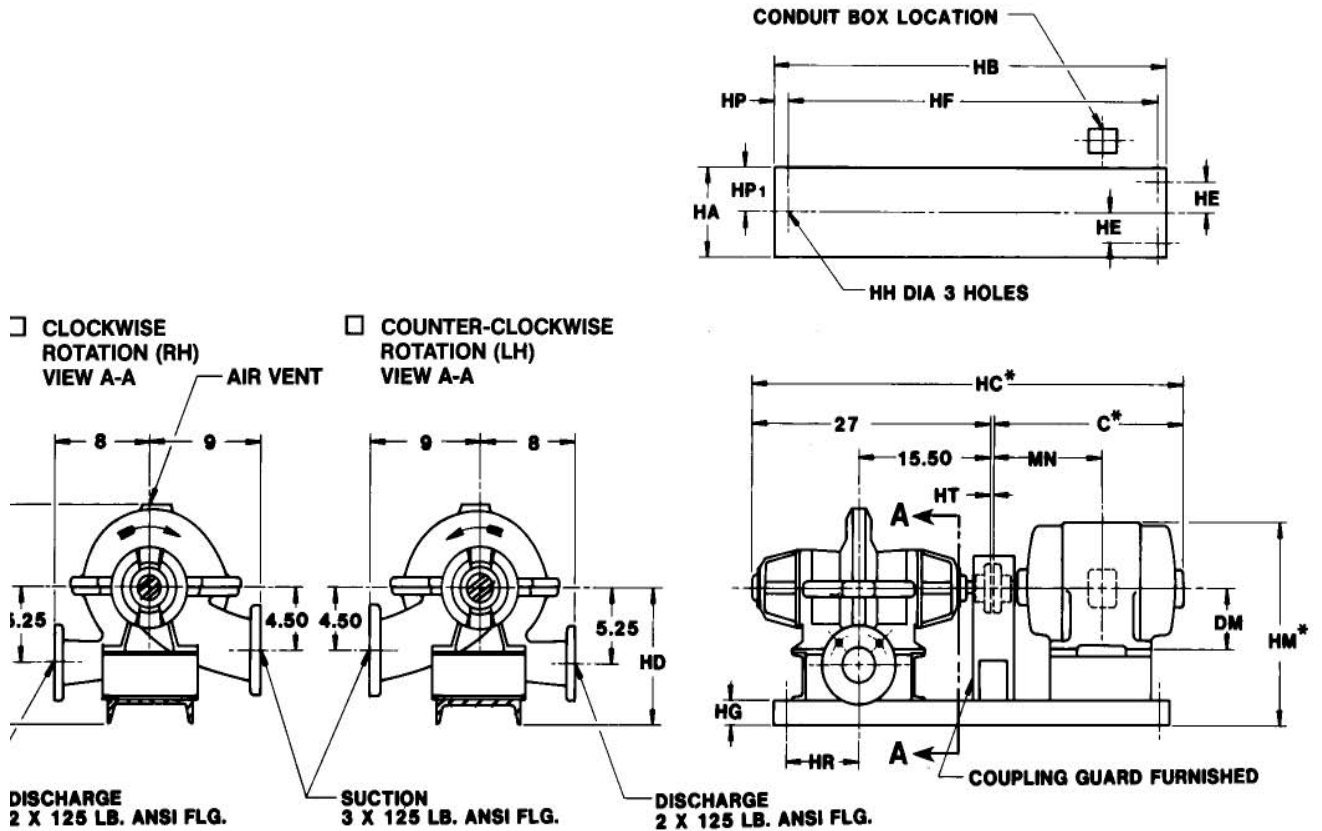
The rotation of a horizontal split case pump is determined by viewing the pump from the driver end in the direction of the arrow. The rotation fixes the position of the suction and discharge flanges.

For pumps having dual drive such as engine and electric motor, the rotation is specified from the engine end of the unit.





**OUTLINE-MOTOR DRIVE NON-DRIP RIM BASE  
Less Base Mounted Controller**



Note

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**IMPORTANT NOTE:** Installing contractor(s) are to install equipment in accordance with National Electric Code, local codes and NFPA Pamphlet 20 as applicable.

Pump Size and Type	Motor Frame	Unit Dimensions								Base Dimensions								Weight in Pounds		
		C*	DM	HC*	HD	HO	HM*	HR	HT	MN	HB	HP	HF	HP1	HA	HE	HG		HH	
2ADF8	215T	21	5.25	49.00	12.75	21.25	18.25	8.5	1.00	10.5	42	1.0	40.25	4.0	8.0	2.5	3.0	0.75	525	
	254T	24	6.25	52.00	12.75	21.25	19.50	8.5	1.00	10.5	48	1.0	46.00	4.0	8.0	2.5	3.0	0.75	600	
	256T	26	6.25	54.25	12.75	21.25	19.50	8.5	1.25	13.5	48	1.0	46.00	4.0	8.0	2.5	3.0	0.75	625	

All Dimensions are in Inches

\*Maximum Dimensions. May be less with different make motors or enclosures

Customer \_\_\_\_\_ Job Name \_\_\_\_\_  
P.O. No. \_\_\_\_\_ Item No. \_\_\_\_\_  
Invoice No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
Motor Mfr. \_\_\_\_\_ Enclosure \_\_\_\_\_ Hp. \_\_\_\_\_ Volts \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_  
Pump Size &, Type 2ADF11 RPM \_\_\_\_\_ US GPM \_\_\_\_\_ Total Hd in Ft \_\_\_\_\_

UL Listed    ULC Listed    FM Approved  
*Subject to change unless certified for construction*

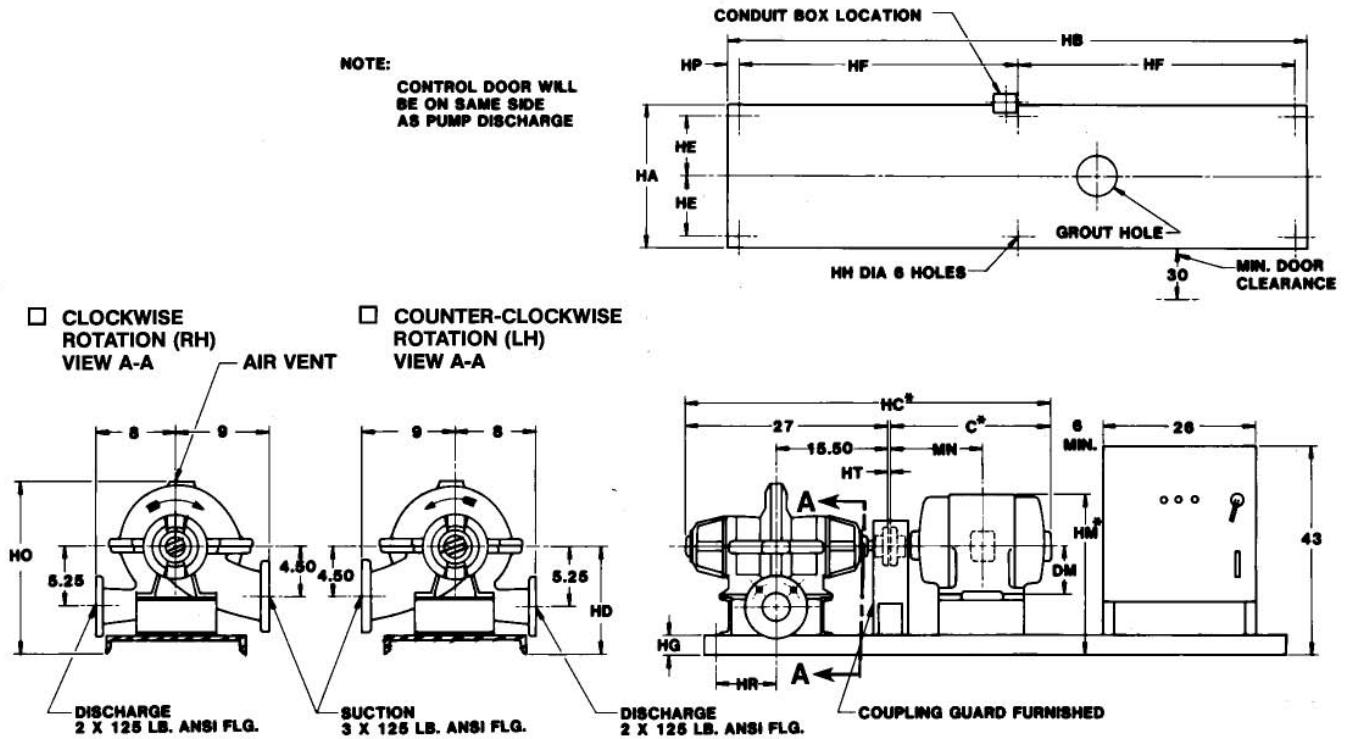
**DT 4851330**

**HORIZONTAL SPLIT CASE SINGLE STAGE  
DOUBLE SUCTION FIRE PUMPS  
TYPE 2ADF8**



**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**OUTLINE-MOTOR DRIVE NON-DRIP RIM BASE  
with Base Mounted Controller**



Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.  
Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**IMPORTANT NOTE:** Installing contractor(s) are to install equipment in accordance with National Electric Code, local codes and NFPA Pamphlet 20 as applicable.

Pump Size and Type	Motor Frame	Unit Dimensions									Base Dimensions							Weight in Pounds
		C*	DM	HC*	HD	HO	HM*	HR	HT	MN	HB	HP	HF	HA	HE	HG	HH	
2ADF8	215T	21	5.25	49.00	13.75	22.25	19.25	8.5	1.00	10.5	86	1.0	42	18	7.5	4.0	1.0	900
	254T	24	6.25	52.00	13.75	22.25	19.75	8.5	1.00	10.5	86	1.0	42	18	7.5	4.0	1.0	975
	256T	26	6.25	54.25	13.75	22.25	19.25	8.5	1.25	13.5	86	1.0	42	18	7.5	4.0	1.0	1000

All Dimensions are in Inches

\*Maximum Dimensions. May be less with different make motors or enclosures

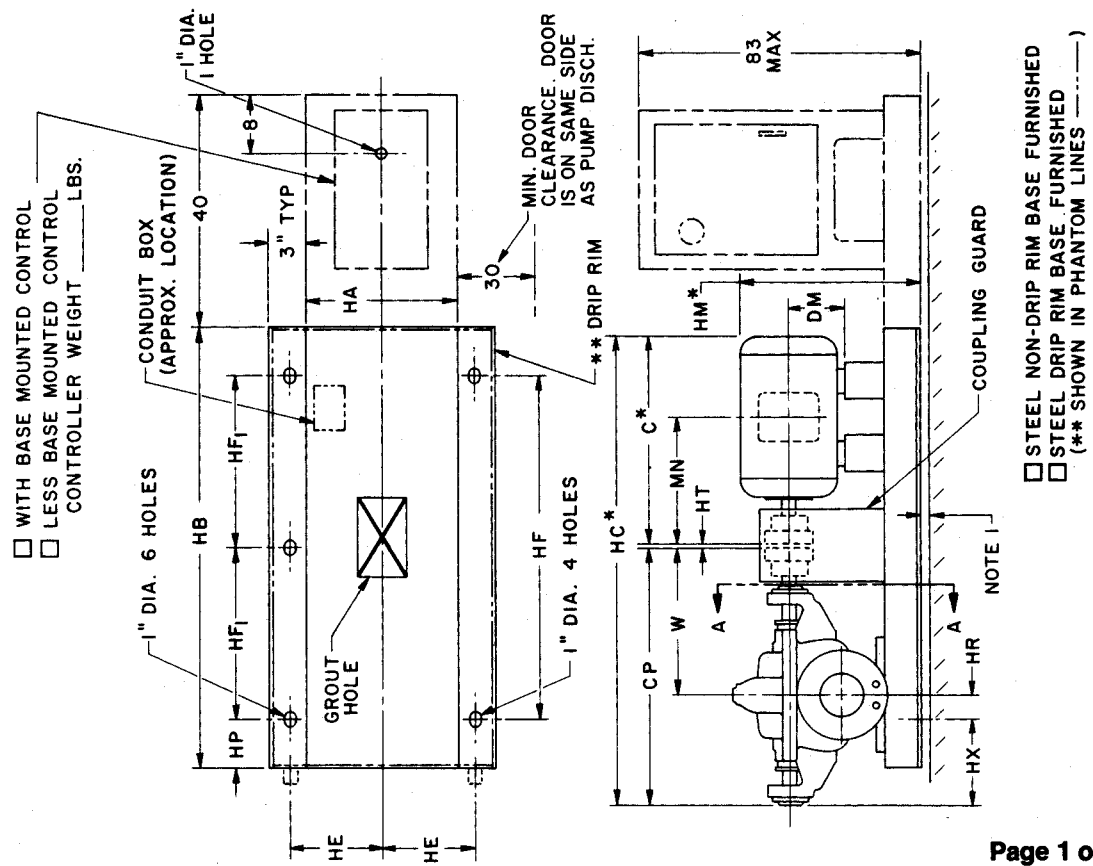
Customer \_\_\_\_\_ Job Name \_\_\_\_\_  
P.O. No. \_\_\_\_\_ Item No. \_\_\_\_\_  
Invoice No. \_\_\_\_\_ Serial No \_\_\_\_\_  
Motor Mfr. \_\_\_\_\_ Enclosure \_\_\_\_\_ Hp. \_\_\_\_\_ Volts \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_  
Pump Size &, Type 2ADF11 RPM \_\_\_\_\_ US GPM \_\_\_\_\_ Total Hd in Ft \_\_\_\_\_

UL Listed  ULC Listed  FM Approved  
Subject to change unless certified for construction

**DT 4851331**

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP SIZE & TYPE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction.

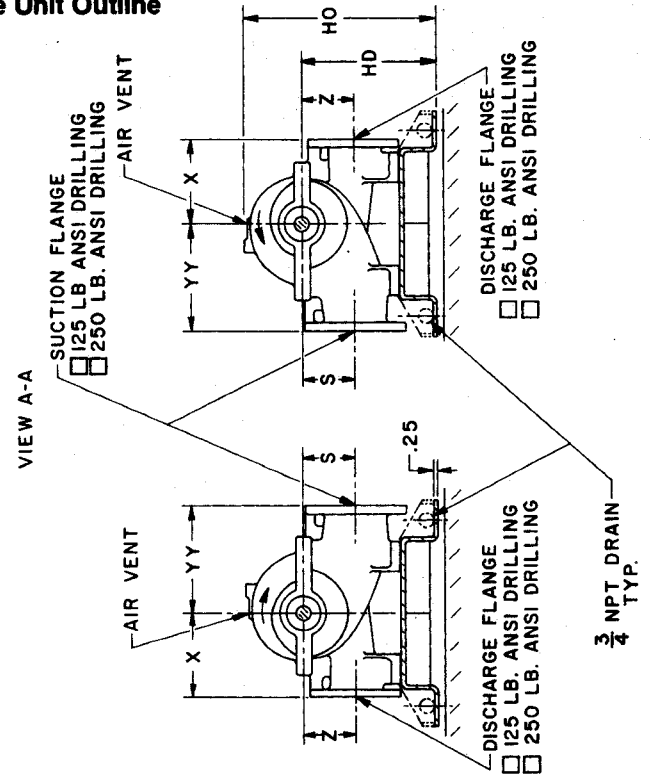


Note 1: Customer must grout base and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base

Note 2: Unit installation and final coupling alignment must be done by the installing contractor per Peerless Pump Company Installation Bulletin 2880549.

**Motor Drive Unit Outline**

- CLOCKWISE ROTATION (RH)
- COUNTER - CLOCKWISE ROTATION (LH)



- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL CONTROLLER WEIGHT \_\_\_\_\_ LBS.
- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINES -----)

**HORIZONTAL SPLIT CASE FIRE PUMPS  
SINGLE STAGE DOUBLE SUCTION  
Type AEF**



**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**Type AEF Motor Drive Unit Outline Dimensions Fabricated Steel Base**

1530 p 4 AEF Motor Drive Unit Outline Dimensions Fabricated Steel Base

✓ Pump Size & Type	Suction Flange Size x ANSI Lb. Rating $\Psi$	Discharge Flange Size x ANSI Lb. Rating $\Psi$	Pump Dimensions in Inches							Pump Weight in Lb.
			CP	S	W	X	YY	Z		
3AEF9, 3AEF9G	4 X 125	3 X 125	28.0	5.5	16.0	8.75	9.25	5.5	250	
3AEF9, 3AEF9G	4 X 125	3 X 250	28.0	5.5	16.0	8.75	9.25	5.5	250	
3AEF9, 3AEF9G	4 X 250	3 X 250	28.0	5.5	16.0	8.75	9.25	5.5	250	
4AEF10, 4AEF10G	5 X 125	4 X 125	28.0	6.5	16.0	11.00	11.00	6.5	315	
4AEF10, 4AEF10G	5 X 125	4 X 250	28.0	6.5	16.0	11.00	11.00	6.5	315	
4AEF10, 4AEF10G	5 X 250	4 X 250	28.0	6.5	16.0	11.00	11.00	6.5	315	
4AEF11, 4AEF11G	5 X 125	4 X 125	24.5	6.5	13.5	10.00	12.00	6.5	255	
4AEF11, 4AEF11G	5 X 125	4 X 250	24.5	6.5	13.5	10.00	12.00	6.5	255	
4AEF11, 4AEF11G	5 X 250	4 X 250	24.5	6.5	13.5	10.00	12.00	6.5	255	

**Notes**  
 \* Maximum Dimensions, may be less with different make motors or enclosures  
 $\Delta$  Important: If dimension **HD** minus **DM** is less than 12 inches, refer to the latest edition of NFPA Pamphlet #20 Paragraph 6-6.4 for minimum foundation height  
 $\Psi$  Some suction and discharge flanges will be cast 250 Lb. ANSI standard and drilled either for 125 Lb. or 250 Lb. ANSI Standard (as Indicated by marked  box)  
 $\phi$  Less Controller

✓ Pump Size & Type	Motor Frame Size	Unit Dimensions in Inches										Base Dimensions in Inches					Weight-Lbs.				
		C*	DM $\Delta$	HC*	HD $\Delta$	HM*	HO	HR	HT	HX	MN	HA	HB	HE	HF	HF1	HP	Cplg	Mtr.	Base	Total Unit $\phi$
3AEF9, 3AEF9G	254T	24	6.25	52.25	14.25	21.50	21.25	3.0	0.25	9.0	12.38	16	48	9.5	40	-	4	8	220	115	593
3AEF9, 3AEF9G	256T	26	6.25	54.25	14.25	21.50	21.25	3.0	0.25	9.0	13.25	16	48	9.5	40	-	4	8	240	115	613
3AEF9, 3AEF9G	284TS	25	7.00	53.25	14.00	21.00	21.00	3.0	0.25	9.0	12.75	16	48	9.5	40	-	4	8	330	115	703
3AEF9, 3AEF9G	286TS	27	7.00	55.25	14.00	21.00	21.00	3.0	0.25	9.0	13.50	16	48	9.5	40	-	4	8	370	115	743
3AEF9, 3AEF9G	324TS	29	8.00	58.00	14.00	22.00	21.00	3.0	1.00	9.0	14.25	18	48	10.5	40	-	4	12	475	145	882
3AEF9, 3AEF9G	326TS	30	8.00	59.00	14.00	22.00	21.00	3.0	1.00	9.0	15.00	18	48	10.5	40	-	4	12	525	145	932
3AEF9, 3AEF9G	364TS	31	9.00	60.00	14.00	23.00	21.00	3.0	1.00	9.0	15.25	18	48	10.5	40	-	4	15	630	145	1040
3AEF9, 3AEF9G	365TS	32	9.00	61.00	14.00	23.00	21.00	3.0	1.00	9.0	15.75	18	48	10.5	40	-	4	15	690	145	1100
4AEF10	324TS	29	8.00	58.00	14.00	22.50	21.88	3.5	1.00	8.5	14.25	18	48	10.5	40	-	4	12	475	145	947
4AEF10	326TS	30	8.00	59.00	14.00	22.50	21.88	3.5	1.00	8.5	15.00	18	48	10.5	40	-	4	15	525	145	1000
4AEF10	364TS	31	9.00	60.00	14.00	23.50	21.88	3.5	1.00	8.5	15.25	18	60	10.5	-	24	6	15	630	190	1150
4AEF10	365TS	32	9.00	61.00	14.00	23.50	21.88	3.5	1.00	8.5	15.75	18	60	10.5	-	24	6	15	690	190	1210
4AEF10, 4AEF10G	256T	26	6.25	54.75	14.25	20.75	21.12	3.5	0.25	8.5	13.25	16	48	9.5	40	-	4	8	240	130	693
4AEF10, 4AEF10G	284TS	25	7.00	53.25	14.00	21.50	21.88	3.5	0.25	8.5	12.75	16	48	9.5	40	-	4	8	330	130	783
4AEF10, 4AEF10G	286TS	27	7.00	55.25	14.00	21.50	21.88	3.5	0.25	8.5	13.50	16	48	9.5	40	-	4	8	370	130	823
4AEF11, 4AEF11G	256T	26	6.25	50.75	14.25	21.00	22.50	3.5	0.25	7.5	13.25	16	48	9.5	40	-	4	8	240	145	648
4AEF11, 4AEF11G	284T	27	7.00	51.75	14.00	21.00	22.25	3.5	0.25	7.5	14.12	16	48	9.5	40	-	4	12	330	145	742
4AEF11, 4AEF11G	286T	28	7.00	52.75	14.00	21.00	22.25	3.5	0.25	7.5	14.88	16	48	9.5	40	-	4	12	370	145	782
4AEF11, 4AEF11G	324T	30	8.00	54.75	14.00	22.50	22.25	3.5	0.25	7.5	15.75	16	48	9.5	40	-	4	15	475	145	890
4AEF11, 4AEF11G	324TS	29	8.00	53.75	14.00	22.50	22.25	3.5	0.25	7.5	14.25	16	48	9.5	40	-	4	15	475	145	890



**Type AEF Motor Drive Unit Outline Dimensions Fabricated Steel Base**

**Notes**  
 \* Maximum Dimensions, may be less with different make motors or enclosures  
 Δ Important: If dimensions **HD** minus **DM** is less than 12 inches, refer to the latest edition of NFPA Pamphlet #20 Paragraph 6-6.4 for minimum foundation height  
 Ψ Some suction and discharge flanges will be cast 250 Lb. ANSI standard and drilled either for 1.25 Lb. or 250 Lb. ANSI Standard (as Indicated by marked  box)  
 φ Less Controller  
 † Unit dimensions for 447TS frame motors are approximate. Refer to the factory for certified dimensions.

✓	Pump Size & Type	Suction Flange Size x ANSI Lb. Rating Ψ	Discharge Flange Size x ANSI Lb. Rating Ψ	Pump Dimensions in Inches							Pump Weight in Lb.
				CP	S	W	X	YY	Z		
	4AEF12	5 X 125	4 X 125	28.00	6.5	16.0	10.25	12.50	7.75	376	
	4AEF12	5 X 125	4 X 250	28.00	6.5	16.0	10.25	12.50	7.75	376	
	4AEF12	5 X 250	4 X 250	28.00	6.5	16.0	10.25	12.50	7.75	376	
	5AEF8, 5AEF8N	6 x 125	5 x 125	29.25	5.75	16.38	12.00	12.00	5.75	315	
	5AEF8, 5AEF8N	6 x 125	5 x 250	29.25	5.75	16.38	12.00	12.00	5.75	315	
	5AEF11, 5AEF11G	6 x 125	5 x 125	29.00	6.75	16.00	12.00	13.00	6.75	380	
	5AEF11, 5AEF11G	6 x 125	5 x 250	29.00	6.75	16.00	12.00	13.00	6.75	380	
	5AEF11, 5AEF11G	6 x 250	5 x 250	29.00	6.75	16.00	12.00	13.00	6.75	380	
	5AEF12	6 x 125	5 x 125	29.00	8.00	16.00	13.00	14.00	8.50	566	
	5AEF12	6 x 125	5 x 250	29.00	8.00	16.00	13.00	14.00	8.50	566	
	5AEF12	6 x 250	5 x 250	29.00	8.00	16.00	13.00	14.00	8.50	566	

✓	Pump Size & Type	Motor Frame Size	Unit Dimensions in Inches										Base Dimensions in Inches					Weight-Lbs.				
			C*	DM Δ	HC*	HD Δ	HM*	HO	HR	HT	HX	MN	HA	HB	HE	HF	HF1	HP	Cplg	Mtr.	Base	Total Unit φ
	4AEF12	364TS	31	9.00	60.00	16.00	25.00	24.75	3.5	1.00	8.50	15.25	18	60	10.5	-	24	6	16	630	190	1212
	4AEF12	365TS	32	9.00	61.00	16.00	25.00	24.75	3.5	1.00	8.50	15.75	18	60	10.5	-	24	6	16	690	190	1272
	4AEF12	404TS	35	10.00	64.00	16.00	26.50	24.75	3.5	1.00	8.50	17.00	23	60	13.0	-	24	6	23	830	210	1439
	4AEF12	405TS	37	10.00	66.00	16.00	26.50	24.75	3.5	1.00	8.50	17.75	23	60	13.0	-	24	6	39	915	210	1540
	4AEF12	444TS	41	11.00	70.00	16.00	27.50	24.75	3.5	1.00	8.50	19.50	23	60	13.0	-	24	6	39	1100	210	1725
	4AEF12	445TS	43	11.00	72.00	16.00	27.50	24.75	3.5	1.00	8.50	20.50	23	60	13.0	-	24	6	39	1270	210	1895
	5AEF8, 5AEF8N	286TS	27	7.00	56.50	14.00	21.00	20.62	3.5	0.25	9.38	13.50	16	48	9.5	40	-	4	8	370	145	838
	5AEF8, 5AEF8N	324TS	29	8.00	59.25	14.00	22.00	20.62	3.5	1.00	9.38	14.25	18	48	10.5	40	-	4	15	475	160	965
	5AEF8, 5AEF8N	326TS	30	8.00	60.25	14.00	22.00	20.62	3.5	1.00	9.38	15.00	18	48	10.5	40	-	4	15	525	160	1015
	5AEF8, 5AEF8N	364TS	31	9.00	61.25	14.00	23.00	20.62	3.5	1.00	9.38	15.25	18	60	10.5	-	24	6	16	630	190	1151
	5AEF8, 5AEF8N	365TS	32	9.00	62.25	14.00	23.00	20.62	3.5	1.00	9.38	15.75	18	60	10.5	-	24	6	16	690	190	1211
	5AEF11, 5AEF11G	324T	30	8.00	59.25	15.00	23.50	23.00	3.0	0.25	10.00	15.75	18	48	10.5	40	-	4	15	475	145	1015
	5AEF11, 5AEF11G	326T	32	8.00	61.25	15.00	23.50	23.00	3.0	0.25	10.00	16.50	18	48	10.5	40	-	4	15	525	145	1065
	5AEF11, 5AEF11G	364TS	31	9.00	61.50	15.00	24.50	23.00	3.0	1.50	10.00	15.25	18	60	10.5	-	24	6	16	630	190	1216
	5AEF11, 5AEF11G	365TS	32	9.00	62.50	15.00	24.50	23.00	3.0	1.50	10.00	15.75	18	60	10.5	-	24	6	16	690	190	1276
	5AEF11, 5AEF11G	404TS	35	10.00	65.00	16.00	26.50	24.00	3.0	1.00	10.00	17.00	23	60	13.0	-	24	6	23	830	210	1443
	5AEF11, 5AEF11G	405TS	37	10.00	67.00	16.00	26.50	24.00	3.0	1.00	10.00	17.75	23	60	13.0	-	24	6	23	915	210	1528
	5AEF11, 5AEF11G	444TS	41	11.00	71.00	16.00	28.00	24.00	3.0	1.00	10.00	19.50	23	60	13.0	-	24	6	39	1100	210	1729
	5AEF11, 5AEF11G	445TS	43	11.00	73.00	16.00	28.00	24.00	3.0	1.00	10.00	20.50	23	60	13.0	-	24	6	39	1270	210	1899
	5AEF12	324T	30	8.00	59.25	17.00	25.50	26.69	3.0	0.25	10.00	15.75	18	48	10.5	40	-	4	15	475	160	1216
	5AEF12	326T	32	8.00	62.00	17.00	25.50	26.69	3.0	1.00	10.00	16.50	18	60	10.5	-	24	6	15	525	190	1296
	5AEF12	364TS	31	9.00	61.50	17.00	26.50	26.69	3.0	1.50	10.00	15.25	18	60	10.5	-	24	6	16	630	190	1402
	5AEF12	365TS	32	9.00	62.50	17.00	26.50	26.69	3.0	1.50	10.00	15.75	18	60	10.5	-	24	6	16	690	190	1462
	5AEF12	404TS	35	10.00	65.00	17.00	27.50	26.69	3.0	1.00	10.00	17.00	23	60	13.0	-	24	6	23	830	210	1629
	5AEF12	405TS	37	10.00	67.00	17.00	27.50	26.69	3.0	1.00	10.00	17.75	23	60	13.0	-	24	6	23	915	210	1714
	5AEF12	444TS	41	11.00	71.00	17.00	28.75	26.69	3.0	1.00	10.00	19.50	23	60	13.0	-	24	6	39	1100	210	1915
	5AEF12	445TS	43	11.00	73.00	17.00	28.75	26.69	3.0	1.00	10.00	20.50	23	60	13.0	-	24	6	39	1270	210	2085
	5AEF12	447TS†	47	11.00	77.00	19.00	30.75	28.69	3.0	1.00	10.00	22.25	24	72	13.5	-	30	6	39	1680	315	2600

**HORIZONTAL SPLIT CASE FIRE PUMPS  
SINGLE STAGE DOUBLE SUCTION  
Type AEF**



**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**Type AEF Motor Drive Unit Outline Dimensions Fabricated Steel Base**

**Notes**  
 \* Maximum Dimensions, may be less with different make motors or enclosures  
 Δ Important: If dimension **HD** minus **DM** is less than 12 inches, refer to the latest edition of NFPA Pamphlet #20 Paragraph 6-6.4 for minimum foundation height  
 Ψ Some suction and discharge flanges will be cast 250 Lb. ANSI standard and drilled either for 125 Lb. or 250 Lb. ANSI Standard (as Indicated by marked  box)  
 φ Less Controller  
 † Unit dimensions for 447, 9TS frame motors are approximate. Refer to factory for Certified Dims.

Pump Size & Type	Suction Flange Size x ANSI Lb. Rating Ψ	Discharge Flange Size x ANSI Lb. Rating Ψ	Pump Dimensions in Inches							Pump Weight in Lb.	
			CP	S	W	X	YY	Z			
5AEF14, 5AEF14N	6 x 125	5 x 125	30.75	7.00	17.25	14.00	13.0	8.50	505		
5AEF14, 5AEF14N	6 x 125	5 x 250	30.75	7.00	17.25	14.00	13.0	8.50	505		
6AEF10	8 x 125	6 x 125	28.25	7.50	16.00	10.25	13.0	6.75	450		
6AEF10	8 x 125	6 x 250	28.25	7.50	16.00	10.25	13.0	6.75	450		
6AEF12	8 x 125 ◆	6 x 125	33.75	7.62	19.00	12.00	16.5	8.25	750		
6AEF12	8 x 125 ◆	6 x 250	33.75	7.62	19.00	12.00	16.5	8.25	750		
6AEF12	8 x 250	6 x 250	33.75	7.62	19.00	12.00	16.5	8.25	750		
6AEF14, 6AEF14G	8 x 125	6 x 125	31.25	9.00	17.50	14.50	16.0	9.50	610		
6AEF14, 6AEF14G	8 x 125	6 x 250	31.25	9.00	17.50	14.50	16.0	9.50	610		
6AEF14, 6AEF14G	8 x 250	6 x 250	31.25	9.00	17.50	14.50	16.0	9.50	610		

◆ All holes are tapped 3/4"-10UNC

Pump Type	Motor Frame Size	Unit Dimensions in Inches										Base Dimensions in Inches						Weight-Lbs.			
		C*	DM Δ	HC*	HD Δ	HM*	HO	HR	HT	HX	MN	HA	HB	HE	HF	HF1	HP	Cplg	Mtr.	Base	Total Unit φ
5AEF14, 5AEF14N	286T	28	7	59.00	16.25	23.5	25.62	7.0	0.25	6.50	14.88	23	60	13.0	-	24	6	15	370	210	1100
5AEF14, 5AEF14N	324TS	29	8	60.00	16.25	24.5	25.62	7.0	0.25	6.50	14.25	23	60	13.0	-	24	6	15	370	210	1100
5AEF14, 5AEF14N	324T	30	8	61.00	16.25	24.5	25.62	7.0	0.25	6.50	15.75	23	60	13.0	-	24	6	15	475	210	1205
5AEF14, 5AEF14N	326T	32	8	63.00	16.25	24.5	25.62	7.0	0.25	6.50	16.50	23	60	13.0	-	24	6	15	525	210	1255
5AEF14	364TS	31	9	62.75	16.25	24.5	25.62	7.0	1.00	6.50	15.25	23	60	13.0	-	24	6	16	630	210	1361
5AEF14	365TS	32	9	63.75	16.25	24.5	25.62	7.0	1.00	6.50	15.75	23	60	13.0	-	24	6	16	690	210	1421
5AEF14	404TS	35	10	66.00	16.25	25.5	25.62	7.0	0.25	6.50	17.00	23	60	13.0	-	24	6	23	830	210	1568
5AEF14	405TS	37	10	68.00	16.25	25.5	25.62	7.0	0.25	6.50	17.75	23	60	13.0	-	24	6	23	915	210	1653
6AEF10	365TS	32	9	61.69	17	26.0	25.12	3.5	1.44	8.75	15.75	18	60	10.5	-	24	6	8	690	160	858
6AEF10	404TS	35	10	64.25	17	27.0	25.12	3.5	1.00	8.75	17.00	23	60	13.0	-	24	6	12	830	210	1502
6AEF10	405TS	37	10	66.25	17	27.0	25.12	3.5	1.00	8.75	17.75	23	60	13.0	-	24	6	12	915	210	1587
6AEF10	444TS	41	11	70.25	17	28.0	25.12	3.5	1.00	8.75	19.50	23	60	13.0	-	24	6	15	1100	210	1775
6AEF10	445TS	43	11	72.25	17	28.0	25.12	3.5	1.00	8.75	20.50	23	60	13.0	-	24	6	15	1270	210	1945
6AEF10	447TS	47	11	76.25	17	28.0	25.12	2.0	1.00	10.25	22.25	23	60	13.0	-	24	6	24	1600	210	2284
6AEF12	286T	28	7	62.00	18	26.0	28.00	4.5	0.25	10.25	14.88	18	60	10.5	-	24	6	12	370	190	1322
6AEF12	324T	30	8	64.00	18	27.0	28.00	4.5	0.25	10.25	15.75	18	60	10.5	-	24	6	15	475	190	1430
6AEF12	324TS	29	8	63.00	18	25.0	26.00	4.5	0.25	10.25	14.25	18	60	10.5	-	24	6	15	475	190	1430
6AEF12	326T	32	8	66.00	18	27.0	28.00	4.5	0.25	10.25	16.50	18	60	10.5	-	24	6	15	525	190	1480
6AEF12	364TS	31	9	65.00	18	27.0	28.00	4.5	0.25	10.25	15.25	23	60	13.0	-	24	6	15	630	210	1605
6AEF12	445TS	43	11	77.00	19	30.5	29.00	5.5	0.25	9.25	20.50	24	72	13.5	-	30	6	39	1270	315	2374
6AEF12	447TS	47	11	81.00	19	30.5	29.00	5.5	0.25	9.25	22.25	24	72	13.5	-	30	6	44	1680	315	2789
6AEF12	449TS	50	11	84.00	19	30.5	29.00	5.5	0.25	9.25	24.75	24	72	13.5	-	30	6	44	2000	315	3109
6AEF14, 6AEF14G	324T	30	8	61.50	18	26.5	29.00	6.0	0.25	7.75	15.75	23	60	13.0	-	24	6	15	475	210	1310
6AEF14, 6AEF14G	324TS	29	8	60.50	18	26.5	29.00	6.0	0.25	7.75	14.25	23	60	13.0	-	24	6	15	475	210	1310
6AEF14, 6AEF14G	326T	32	8	63.50	18	26.5	29.00	6.0	0.25	7.75	16.50	23	60	13.0	-	24	6	15	525	210	1360
6AEF14, 6AEF14G	364TS	31	9	63.25	18	27.5	29.00	6.0	1.00	7.75	15.25	23	60	13.0	-	24	6	16	630	210	1466
6AEF14, 6AEF14G	365TS	32	9	64.25	18	27.5	29.00	6.0	1.00	7.75	15.75	23	60	13.0	-	24	6	16	690	210	1526
6AEF14, 6AEF14G	404TS	35	10	66.50	18	28.5	29.00	6.0	0.25	7.75	17.00	23	60	13.0	-	24	6	16	830	210	1666
6AEF14, 6AEF14G	405TS	37	10	68.50	18	28.5	29.00	6.0	0.25	7.75	17.75	23	60	13.0	-	24	6	23	915	210	1758



Pump Size & Type	Suction Flange Size x ANSI Lb. Rating $\Psi$	Discharge Flange Size x ANSI Lb. Rating $\Psi$	Pump Dimensions in Inches						Pump Weight in Lb.
			CP	S	W	X	YY	Z	
6AEF16, 6AEF16G, 6AEF16N	8 x 125	6 x 125	33.75	9.12	18.75	18.00	16.00	10.75	690
6AEF16, 6AEF16G, 6AEF16N	8 x 125	6 x 250	33.75	9.12	18.75	18.00	16.00	10.75	690
6AEF18	8 x 125	6 x 125	35.25	9.00	19.75	17.00	16.00	10.50	870
6AEF18	8 x 125	6 x 250	35.25	9.00	19.75	17.00	16.00	10.50	870

**Notes**

- \* Maximum Dimensions, may be less with different make motors or enclosures
- Δ Important: If dimension **HD** minus **DM** is less than 12 inches, refer to the latest edition of NFPA Pamphlet #20 Paragraph 6-6.4 for minimum foundation height
- $\Psi$  Some suction and discharge flanges will be cast
- 250 Lb. ANSI standard and drilled either 125 Lb. or 250 ANSI Standard (as indicated by marked box).
- φ Less controller

Pump Size & Type	Motor Frame Size	Unit Dimensions in Inches										Base Dimensions in Inches						Weight-Lbs.			
		C*	DM Δ	HC*	HD Δ	HM*	HO	HR	HT	HX	MN	HA	HB	HE	HF	HF1	HP	Cplg	Mtr.	Base	Total Unit φ
6AEF16, G, N	324TS	29	8	63.00	18	26.50	29.38	3.50	0.25	11.50	14.25	23	60	13.0	-	24	6	15	475	210	1390
6AEF16, G, N	326T	32	8	66.00	18	26.50	29.38	3.50	0.25	11.50	16.50	23	60	13.0	-	24	6	15	525	210	1440
6AEF16, G, N	364TS	31	9	65.75	18	27.50	29.38	3.50	1.00	11.50	15.25	23	60	13.0	-	24	6	16	630	210	1546
6AEF16, G, N	365TS	32	9	66.75	18	27.50	29.38	3.50	1.00	11.50	15.75	23	60	13.0	-	24	6	16	690	210	1606
6AEF16, G, N	404TS	35	10	69.00	18	28.50	29.38	3.50	0.25	11.50	17.00	23	60	13.0	-	24	6	23	830	210	1753
6AEF16, G, N	405TS	37	10	71.00	18	28.50	29.38	3.50	0.25	11.50	17.75	23	60	13.0	-	24	6	23	915	210	1838
6AEF16, G, N	444T	44	11	78.00	19	30.75	30.38	3.50	0.25	11.50	23.25	24	72	13.5	-	30	6	39	1100	315	2144
6AEF16, G, N	444TS	41	11	75.00	18	29.75	29.38	3.50	0.25	11.50	19.50	23	60	13.0	-	24	6	39	1100	210	2039
6AEF16, G, N	445TS	43	11	77.00	18	29.75	29.38	3.50	0.25	11.50	20.50	23	60	13.0	-	24	6	39	1270	210	2209
6AEF18	364TS	31	9	67.25	18	27.50	29.88	4.25	1.00	11.25	15.25	23	60	13.0	-	24	6	16	630	210	1726
6AEF18	365TS	32	9	68.25	18	27.50	29.88	4.25	1.00	11.25	15.75	23	60	13.0	-	24	6	15	690	210	1785
6AEF18	404TS	35	10	70.50	18	28.50	29.88	4.25	0.25	11.25	17.00	23	60	13.0	-	24	6	23	830	210	1933
6AEF18	405TS	37	10	72.50	18	28.50	29.88	4.25	0.25	11.25	17.75	23	60	13.0	-	24	6	39	915	210	2034
6AEF18	444T	44	11	79.50	19	30.00	30.88	4.25	0.25	11.25	23.25	24	72	13.5	-	30	6	39	1100	315	2324
6AEF18	444TS	41	11	76.50	19	30.00	30.88	4.25	0.25	11.25	19.50	24	72	13.5	-	30	6	39	1100	315	2324
6AEF18	445TS	43	11	78.50	19	30.00	30.88	4.25	0.25	11.25	20.50	24	72	13.5	-	30	6	39	1270	315	2494



HORIZONTAL SPLIT CASE FIRE PUMPS  
SINGLE STAGE DOUBLE SUCTION  
Type AEF



Type AEF Motor Drive Unit Outline Dimensions Fabricated Steel Base

**Notes**  
 \* Maximum Dimensions, may be less with different make motors or enclosures  
 Δ Important: If dimension **HD** minus **DM** is less than 12 inches, refer to the latest edition of NFPA Pamphlet #20 Paragraph 6-6.4 for minimum foundation height  
 Ψ Some suction and discharge flanges will be cast 250 Lb. ANSI standard and drilled either for 125 Lb. or 250 Lb. ANSI Standard (as Indicated by marked  box)  
 φ Less Controller

Pump Size & Type	Suction Flange Size x ANSI Lb. Rating Ψ	Discharge Flange Size x ANSI Lb. Rating Ψ	Pump Dimensions in Inches							Pump Weight in Lb.
			CP	S	W	X	YY	Z		
8AEF13	10 X 125	8 X 125	31.75	10	17.75	18	17.00	10	752	
8AEF13	10 X 125	8 X 250	31.75	10	17.75	18	17.00	10	752	
8AEF15,G	10 X 250	8 X 250	33.75	9	19.00	16	17.69	10	850	
8AEF15,G	10 X 125	8 X 125	33.75	9	19.00	16	17.69	10	850	
8AEF15,G	10 X 125	8 X 250	33.75	9	19.00	16	17.69	10	850	
8AEF17A,Q,W	10 X 250	8 X 250	35.25	10	19.75	15	19.00	12	1010	
8AEF17A,Q,W	10 X 125	8 X 125	35.25	10	19.75	15	19.00	12	1010	
8AEF17A,Q,W	10 X 125	8 X 250	35.25	10	19.75	15	19.00	12	1010	

Pump Size & Type	Motor Frame Size	Unit Dimensions in Inches										Base Dimensions in Inches						Weight-Lbs.			
		C*	DM Δ	HC*	HD Δ	HM*	HO	HR	HT	HX	MN	HA	HB	HE	HF	HF1	HP	Cplg.	Mtr.	Base	Total Unit φ
8AEF13	324T	30	8	62.00	20	28.50	30.75	9.00	0.25	5	15.75	24	72	13.5	-	30	6	15	475	315	1557
8AEF13	326T	32	8	64.00	20	28.50	30.75	9.00	0.25	5	16.50	24	72	13.5	-	30	6	15	525	315	1607
8AEF13	364TS	31	9	63.75	20	29.50	30.75	9.00	1.00	5	15.25	24	72	13.5	-	30	6	16	630	315	1713
8AEF13	365TS	32	9	64.75	20	29.50	30.75	9.00	1.00	5	15.75	24	72	13.5	-	30	6	16	690	315	1773
8AEF13	404TS	35	10	67.00	20	30.50	30.75	9.00	0.25	5	17.00	24	72	13.5	-	30	6	23	830	315	1920
8AEF13	405TS	37	10	69.00	20	30.50	30.75	9.00	0.25	5	17.75	24	72	13.5	-	30	6	39	915	315	2021
8AEF15,G	404TS	35	10	70.25	19	29.19	31.00	4.75	1.50	10	17.00	23	60	13.0	-	24	6	16	830	210	1906
8AEF15,G	405TS	37	10	71.25	19	30.19	31.00	4.75	0.50	10	17.75	23	60	13.0	-	24	6	23	915	210	1998
8AEF15,G	444T	44	11	78.25	20	30.75	32.00	4.75	0.50	10	23.25	24	72	13.5	-	30	6	39	1100	315	2304
8AEF15,G	444TS	41	11	75.25	20	30.75	31.00	4.75	0.50	10	19.50	24	72	13.5	-	30	6	39	1100	315	2304
8AEF15,G	445TS	43	11	77.25	20	30.75	31.00	4.75	0.50	10	20.50	24	72	13.5	-	30	6	39	1270	315	2474
8AEF17A,Q,W	404TS	35	10	70.50	21	31.50	34.88	5.50	0.25	10	17.00	23	60	13.0	-	24	6	16	830	210	2066
8AEF17A,Q,W	405TS	37	10	72.50	21	31.50	34.88	5.50	0.25	10	17.75	23	60	13.0	-	24	6	16	915	210	2151
8AEF17A,Q,W	444TS	41	11	76.50	22	33.50	35.88	5.50	0.25	10	19.50	24	72	13.0	-	30	6	16	1100	315	2441
8AEF17A,Q,W	445TS	43	11	78.50	22	33.50	35.88	5.50	0.25	10	20.50	24	72	13.5	-	30	6	28	1270	315	2623
8AEF17A,Q,W	447TS	47	11	82.50	22	33.50	35.88	5.50	0.25	10	22.25	24	72	13.5	-	30	6	28	1320	315	2673
8AEF17A,Q,W	405T	39	10	74.50	22	32.00	35.88	5.50	0.25	10	20.75	24	72	13.5	-	30	6	39	915	315	2279
8AEF17A,Q,W	444T	44	11	79.50	22	33.50	35.88	5.50	0.25	10	23.25	24	72	13.5	-	30	6	39	1100	315	2464
8AEF17A,Q,W	445T	46	11	81.50	22	33.50	35.88	5.50	0.25	10	24.25	24	72	13.5	-	30	6	39	1270	315	2634



**HORIZONTAL SPLIT CASE FIRE PUMPS**  
**SINGLE STAGE DOUBLE SUCTION**  
**Type AEF**

**Type AEF Motor Drive Unit Outline Dimensions Fabricated Steel Base**

**Notes**  
 \* Maximum Dimensions, may be less with different make motors or enclosures  
 Δ Important: If dimension **HD** minus **DM** is less than 12 inches, refer to the latest edition of NFPA Pamphlet #20 Paragraph 6-6.4 for minimum foundation height  
 Ψ Some suction and discharge flanges will be cast 250 Lb. ANSI standard and drilled either

Pump Size & Type	Suction Flange Size x ANSI Lb. Rating Ψ	Discharge Flange Size x ANSI Lb. Rating Ψ	Pump Dimensions in Inches						Pump Weight in Lb.
			CP	S	W	X	YY	Z	
8AEF20	10 X 125	8 X 125	42.75	11	24.00	21.00	20	13	1330
8AEF20	10 X 125	8 X 250	42.75	11	24.00	21.00	20	13	1330
10AEF16	12 X 125	10 X 125	42.75	11	24.00	16.50	21	12	1480
10AEF20	12 X 125	10 X 125	46.50	11	26.00	23.00	22	14	2000
10AEF20	12 X 125	10 X 250	46.50	11	26.00	23.00	22	14	2000

Pump Size & Type	Motor Frame Size	Unit Dimensions in Inches										Base Dimensions in Inches						Weight-Lbs.			
		C*	DM Δ	HC*	HD Δ	HM*	HO	HR	HT	HX	MN	HA	HB	HE	HF	HF <sub>1</sub>	HP	Cplg	Mtr.	Base	Total Unit φ
8AEF20	364T	34	9	77.00	22.0	31.5	36.88	5.5	0.25	13.25	17.38	24	72	13.5	-	30	6	23	630	315	2298
8AEF20	365T	35	9	78.00	22.0	31.5	36.88	5.5	0.25	13.25	17.88	24	72	13.5	-	30	6	23	690	315	2358
8AEF20	404T	38	10	81.00	22.0	32.5	36.88	5.5	0.25	13.25	20.00	24	72	13.5	-	30	6	23	830	315	2498
8AEF20	405T	39	10	82.00	22.0	32.5	36.88	5.5	0.25	13.25	20.75	24	72	13.5	-	30	6	23	915	315	2583
8AEF20	404TS	35	10	78.00	22.0	32.5	36.88	5.5	0.25	13.25	17.00	24	72	13.5	-	30	6	23	830	315	2498
8AEF20	405TS	37	10	80.00	22.0	32.5	36.88	5.5	0.25	13.25	17.75	24	72	13.5	-	30	6	23	915	315	2583
8AEF20	444TS	41	11	84.00	22.0	34.0	36.88	5.5	0.25	13.25	19.50	24	72	13.5	-	30	6	39	1100	315	2784
8AEF20	445TS	43	11	86.00	22.0	34.0	36.88	5.5	0.25	13.25	20.50	24	72	13.5	-	30	6	39	1270	315	2954
8AEF20	444T	44	11	87.00	22.0	34.0	36.88	5.5	0.25	13.25	23.25	24	72	13.5	-	30	6	39	1100	315	2784
8AEF20	445T	46	11	89.00	22.0	34.0	36.88	5.5	0.25	13.25	24.25	24	72	13.5	-	30	6	39	1270	315	2954
8AEF20	447TS ◇	47	11	90.00	22.0	34.0	36.88	5.5	0.25	13.25	22.25	24	84	13.5	-	36	6	39	1680	370	3419
8AEF20	449TS ◇	50	11	93.00	22.0	34.0	36.88	5.5	0.25	13.25	24.75	24	84	13.5	-	36	6	39	2000	370	3739
10AEF16	445TS	43	11	86.00	22.0	35.0	35.50	7.0	0.25	11.75	20.50	24	72	13.5	-	30	6	23	1270	315	3088
10AEF16	447TS ◇	47	11	90.00	22.0	35.0	35.50	7.0	0.25	11.75	22.25	24	84	13.5	-	36	6	29	1700	450	3659
10AEF16	449TS ◇	50	11	93.00	22.0	35.0	35.50	7.0	0.25	11.75	24.75	24	84	13.5	-	36	6	29	2000	450	3959
10AEF20	404T	38	10	84.75	23.5	34.0	39.38	9.0	0.25	11.50	20.00	24	72	13.5	-	30	6	23	830	315	3168
10AEF20	405T	39	10	85.75	23.5	34.0	39.38	9.0	0.25	11.50	20.75	24	72	13.5	-	30	6	23	915	315	3253
10AEF20	444T	44	11	90.75	23.5	35.5	39.38	9.0	0.25	11.50	23.25	24	84	13.5	-	36	6	39	1100	370	3509
10AEF20	445T	46	11	92.75	23.5	35.5	39.38	9.0	0.25	11.50	24.25	24	84	13.5	-	36	6	39	1270	370	3679
10AEF20	444TS	41	11	87.75	23.5	35.5	39.38	9.0	0.25	11.50	19.50	24	84	13.5	-	36	6	39	1100	370	3509
10AEF20	445TS	43	11	89.75	23.5	35.5	39.38	9.0	0.25	11.50	20.50	24	84	13.5	-	36	6	39	1270	370	3679
10AEF20	447TS ◇	47	11	93.75	23.5	35.5	39.38	9.0	0.25	11.50	22.25	24	84	13.5	-	36	6	39	1680	370	4089
10AEF20	449TS ◇	50	11	96.75	23.5	35.5	39.38	9.0	0.25	11.50	24.75	24	84	13.5	-	36	6	39	2000	370	4409

◇ Unit dimensions for 447TS and 449TS frames are approximate. Refer to the factory for certified dimensions. φ Less Controller

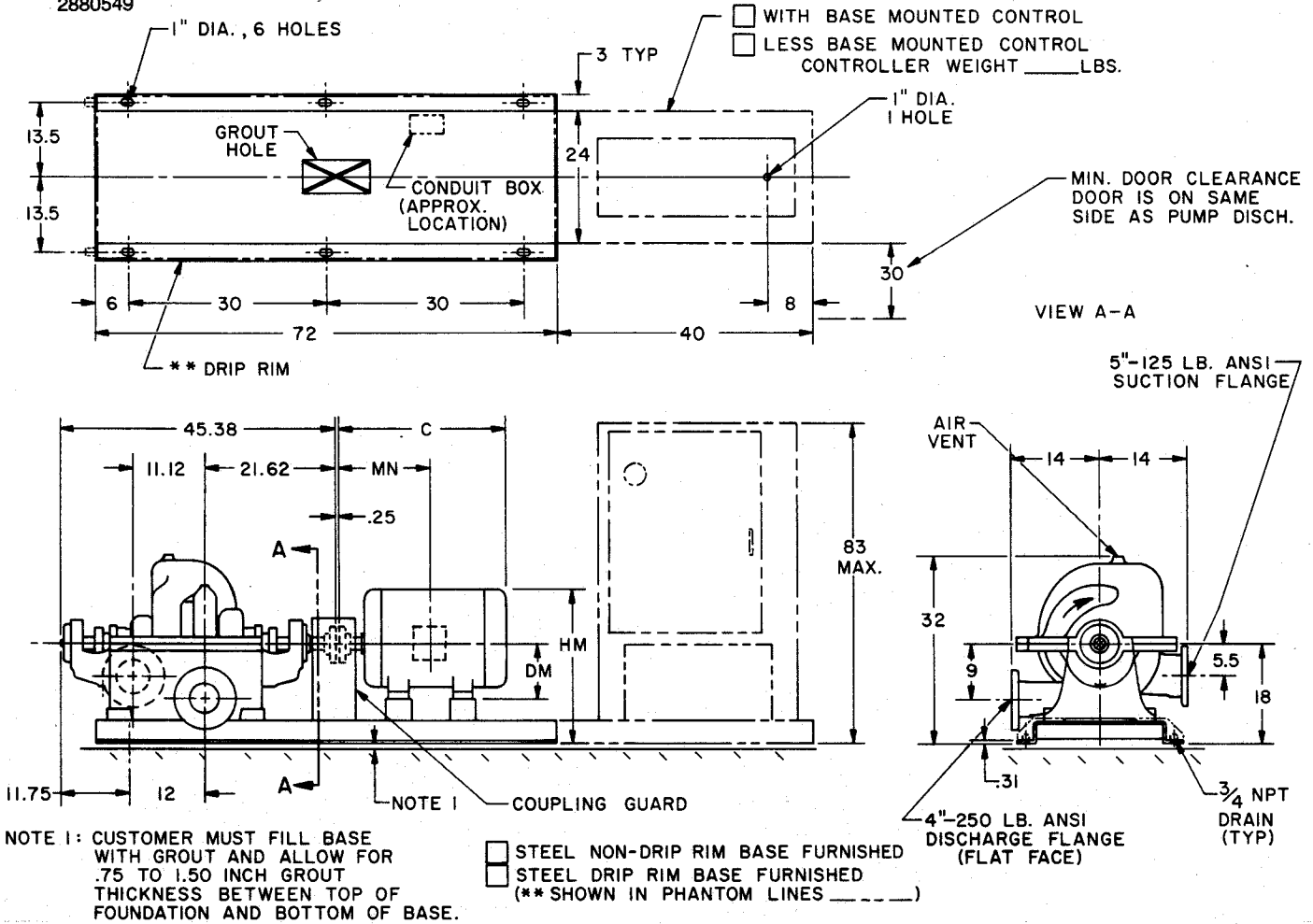
**Blank**

**HORIZONTAL SPLIT CASE FIRE PUMPS  
MULTISTAGE SINGLE SUCTION  
Type 4TUF5**

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**Clockwise (R.H.) Rotation**

**Outline Dimensions Fabricated Steel Base**



✓	Motor Frame Size	Unit Dimensions - Inches				Weights - Lbs.			
		C*	DM #	HM*	MN	Coupling	Motor	Base	Pump
	324T	30.00	8.00	29.00	15.75	16	475	367	1140
	326T	32.00	8.00	29.00	16.50	16	525	367	1140
	364TS	32.00	9.00	30.00	15.25	12	630	372	1140
	365TS	32.00	9.00	30.00	15.75	16	690	372	1140
	404TS	35.00	10.00	31.00	17.00	16	830	345	1140
	405TS	37.00	10.00	31.00	17.75	23	915	345	1140

**NOTES:**

\* Maximum dimensions: May be less with different make motors or enclosures.

# If the distance from centerline of shaft to bottom of base (18 inches) minus "DM" is less than 12 inches, refer to the current edition of NFPA Pamphlet No. 20 Paragraph 6-6.4 for minimum foundation height.

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

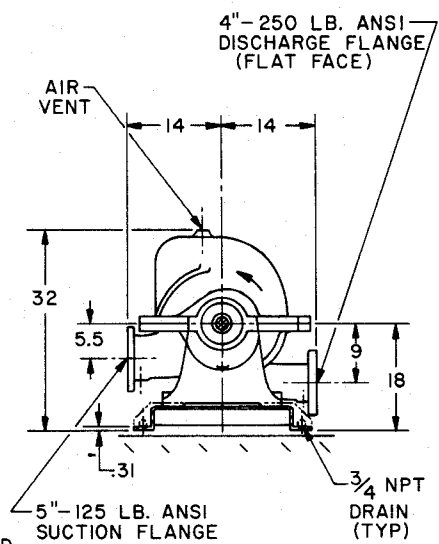
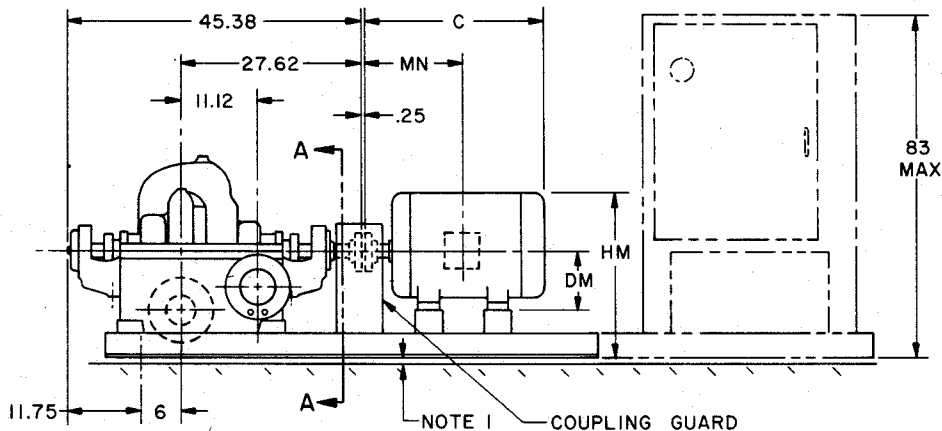
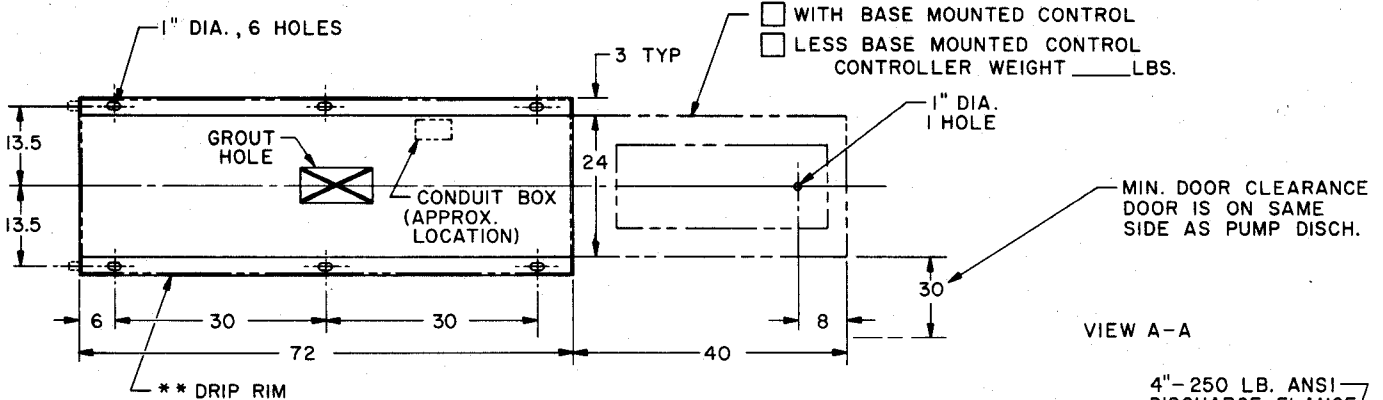
Subject to change unless certified for construction.

**HORIZONTAL SPLIT CASE FIRE PUMPS  
 MULTISTAGE SINGLE SUCTION  
 Type 4TUF5**

**Peerless Pump Company**  
 Indianapolis, IN 46207-7026

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**Counter-Clockwise (L.H.) Rotation  
 Outline Dimensions Fabricated Steel Base**



NOTE 1: CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.

- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINES --- )

✓	Motor Frame Size	Unit Dimensions - Inches				Weights - Lbs.			
		C*	DM #	HM*	MN	Coupling	Motor	Base	Pump
	324T	30.00	8.00	29.00	15.75	16	475	367	1140
	326T	32.00	8.00	29.00	16.50	16	525	367	1140
	364TS	32.00	9.00	30.00	15.25	12	630	372	1140
	365TS	32.00	9.00	30.00	15.75	16	690	372	1140
	404TS	35.00	10.00	31.00	17.00	16	830	345	1140
	405TS	37.00	10.00	31.00	17.75	23	915	345	1140

**NOTES:**

\* Maximum dimensions: May be less with different make motors or enclosures.

# If the distance from centerline of shaft to bottom of base (18 inches) minus "DM" is less than 12 inches, refer to the current edition of NFPA Pamphlet No. 20 Paragraph 6-6.4 for minimum foundation height.

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
 P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
 S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
 MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
 PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
 CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction.

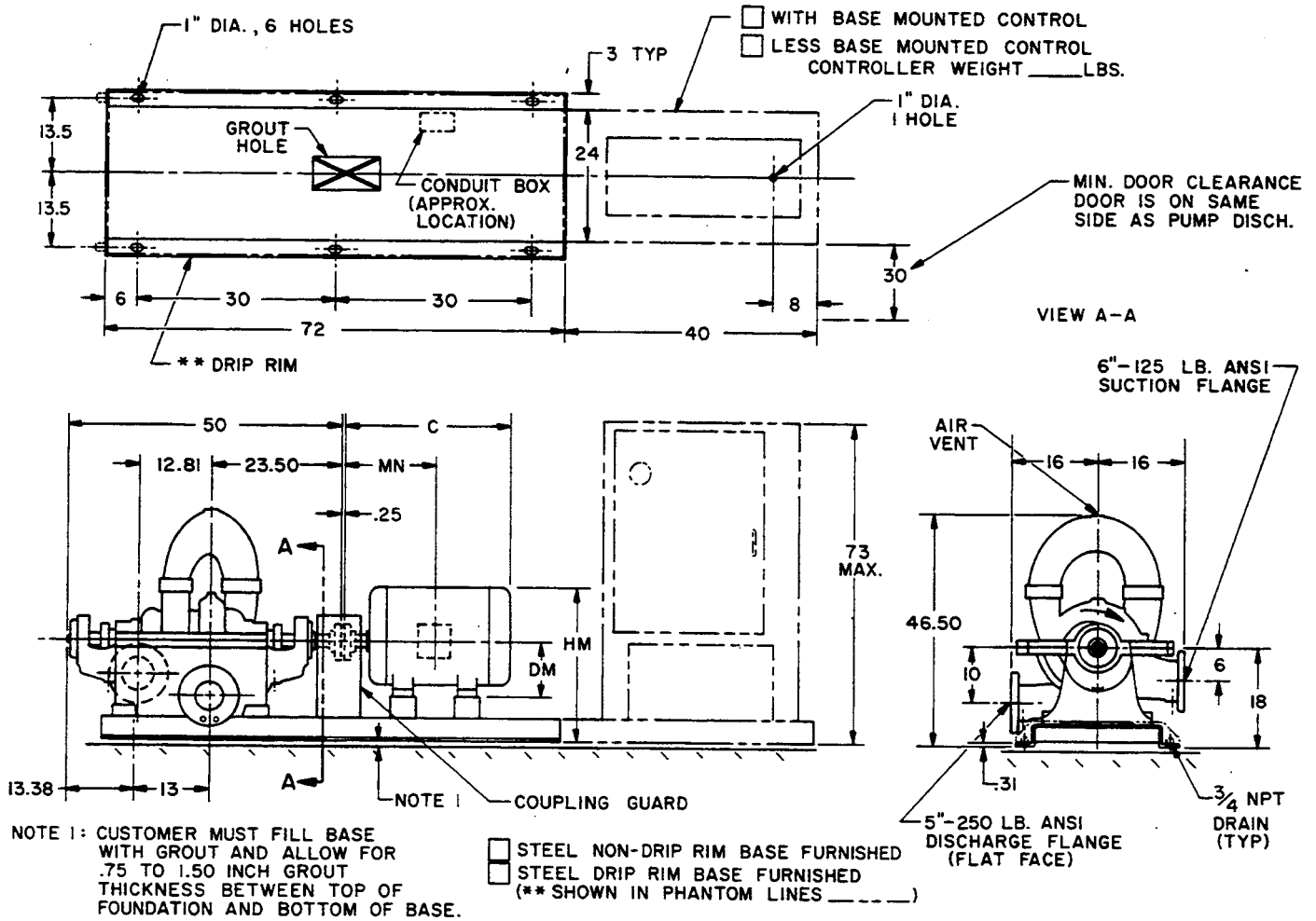
**DT4852358**

**HORIZONTAL SPLIT CASE FIRE PUMPS  
MULTISTAGE SINGLE SUCTION  
Type 5TUF7**

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**Clockwise (R.H.) Rotation**

**Outline Dimensions Fabricated Steel Base**



✓	Motor Frame Size	Unit Dimensions - Inches				Weights - Lbs.			
		C*	DM #	HM*	MN	Coupling	Motor	Base	Pump
	364TS	31.00	9.00	30.00	15.25	16	630	336	1605
	365TS	32.00	9.00	30.00	15.75	16	690	336	1605
	404TS	35.00	10.00	31.00	17.00	23	830	312	1605
	405TS	37.00	10.00	31.00	17.75	23	915	312	1605

**NOTES:**

\* Maximum dimensions: May be less with different make motors or enclosures.

# If the distance from centerline of shaft to bottom of base (18 inches) minus "DM" is less than 12 inches, refer to the current edition of NFPA Pamphlet No. 20 Paragraph 6-6.4 for minimum foundation height.

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction.

DT4852381

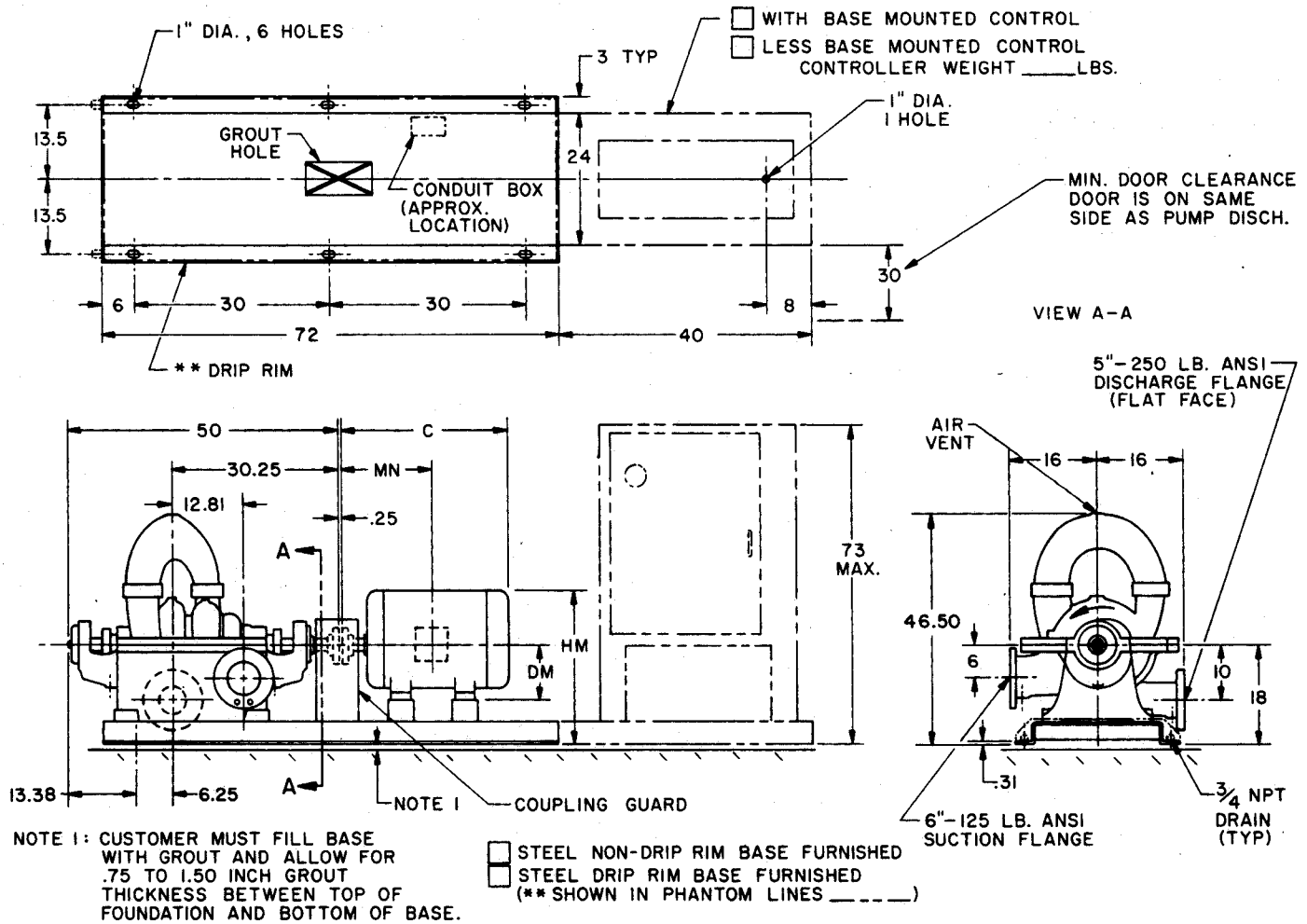
**HORIZONTAL SPLIT CASE FIRE PUMPS  
MULTISTAGE SINGLE SUCTION  
Type 5TUF7**

**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**Counter-Clockwise (L.H.) Rotation**

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**Outline Dimensions Fabricated Steel Base**



✓	Motor Frame Size	Unit Dimensions - Inches				Weights - Lbs.			
		C*	DM #	HM*	MN	Coupling	Motor	Base	Pump
	364TS	31.00	9.00	30.00	15.25	16	630	336	1605
	365TS	32.00	9.00	30.00	15.75	16	690	336	1605
	404TS	35.00	10.00	31.00	17.00	23	830	312	1605
	405TS	37.00	10.00	31.00	17.75	23	915	312	1605

**NOTES:**

\* Maximum dimensions: May be less with different make motors or enclosures.

# If the distance from centerline of shaft to bottom of base (18 inches) minus "DM" is less than 12 inches, refer to the current edition of NFPA Pamphlet No. 20 Paragraph 6-6.4 for minimum foundation height.

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

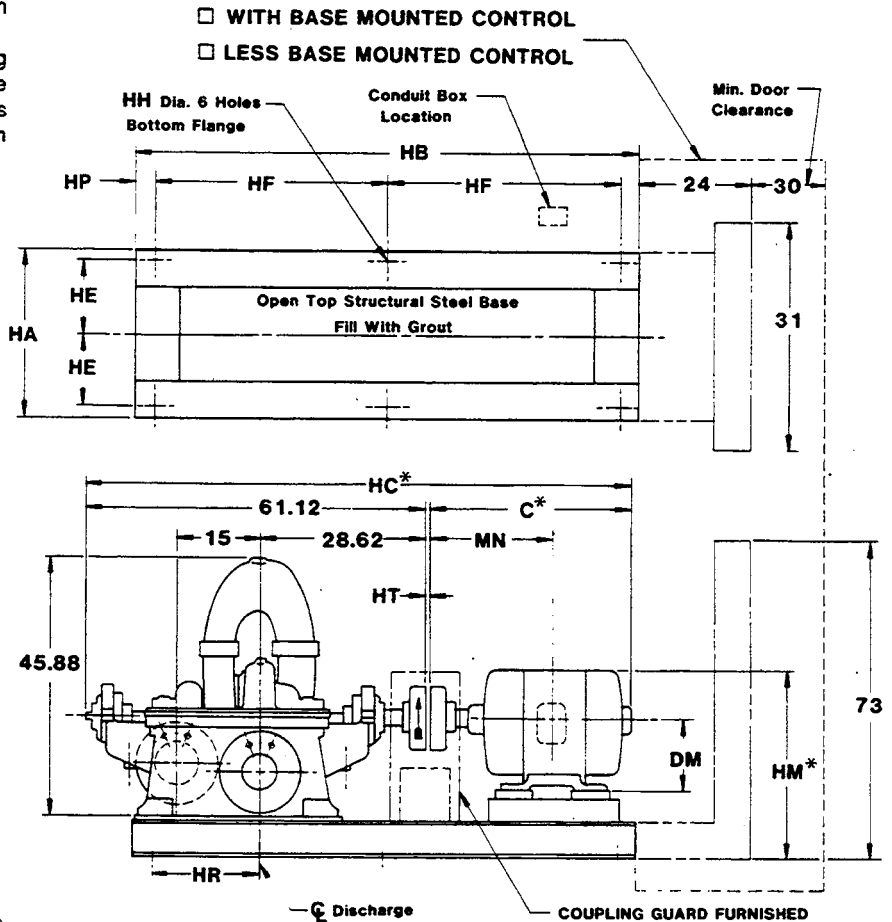
Subject to change unless certified for construction.

DT4852382

Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549

**Clockwise Rotation**  
**Non - Drip Rim Base**



8 Suction Flange  
125 Lb. ANSI Drilling

6 Discharge Flange  
 125 Lb. ANSI Drilling  
 250 Lb. ANSI Drilling

**IMPORTANT NOTE:**

If dimension "HD" minus "DM" is less than 12 inches, refer to the 1983 edition of NFPA Pamphlet No. 20 paragraph 6-6.4 for foundation height.

Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION						Weight in Pounds (Less Control)		
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH		HP	HG
6TUF10		404T	99.25	23	52.88	17.50	38	33.25	.12	10	20.00	26	84.50	11.50	37	1	5.25	.25	3735
		405T	100.25	23	52.88	17.50	39	33.25	.12	10	20.75	26	84.50	11.50	37	1	5.25	.25	3820
		405TS	98.25	23	52.88	17.50	37	33.25	.12	10	17.75	26	84.50	11.50	37	1	5.25	.25	3820
		444TS	102.25	23	52.88	17.50	41	33.25	.12	11	19.50	26	84.50	11.50	37	1	5.25	.25	4000
		445TS	104.25	23	52.88	17.50	43	33.25	.12	11	20.50	26	84.50	11.50	37	1	5.25	.25	4175

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

(ALL DIMENSIONS ARE IN INCHES)

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_

P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_

S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_

PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_

CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_

UL  FM LISTED

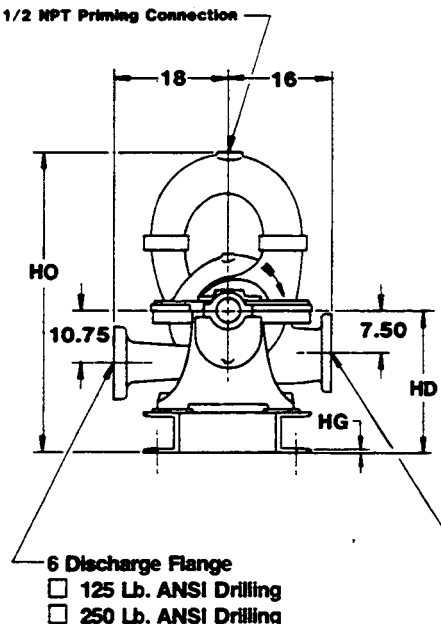
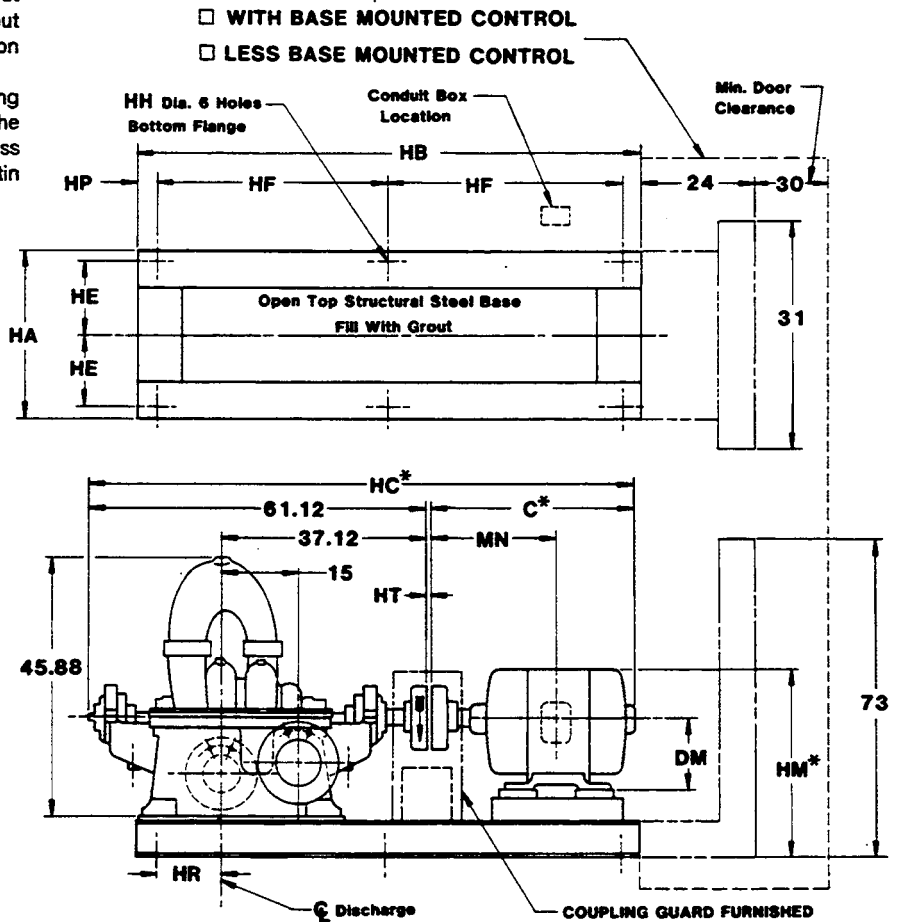
Subject to change unless certified for construction



**HORIZONTAL SPLIT CASE FIRE PUMPS**  
Type TUF Electric Motor Driven Units  
Outline Dimensions

Counter - Clockwise Rotation  
Non - Drip Rim Base

- Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.
- Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



8 Suction Flange  
125 Lb. ANSI Drilling

**IMPORTANT NOTE:**  
If dimension "HD" minus "DM" is less than 12 inches, refer to the 1983 edition of NFPA Pamphlet No. 20 paragraph 6-6.4 for foundation height.

Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION						Weight in Pounds (Less Control)		
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH		HP	HG
6TUF10		404T	99.25	23	52.88	9.00	38	33.25	.12	10	20.00	26	84.50	11.50	37	1	5.25	25	3735
		405T	100.25	23	52.88	9.00	39	33.25	.12	10	20.75	26	84.50	11.50	37	1	5.25	25	3820
		405TS	98.25	23	52.88	9.00	37	33.25	.12	10	17.75	26	84.50	11.50	37	1	5.25	25	3820
		444TS	102.25	23	52.88	9.00	41	33.25	.12	11	19.50	26	84.50	11.50	37	1	5.25	25	4000
		445TS	104.25	23	52.88	9.00	43	33.25	.12	11	20.50	26	84.50	11.50	37	1	5.25	25	4175

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

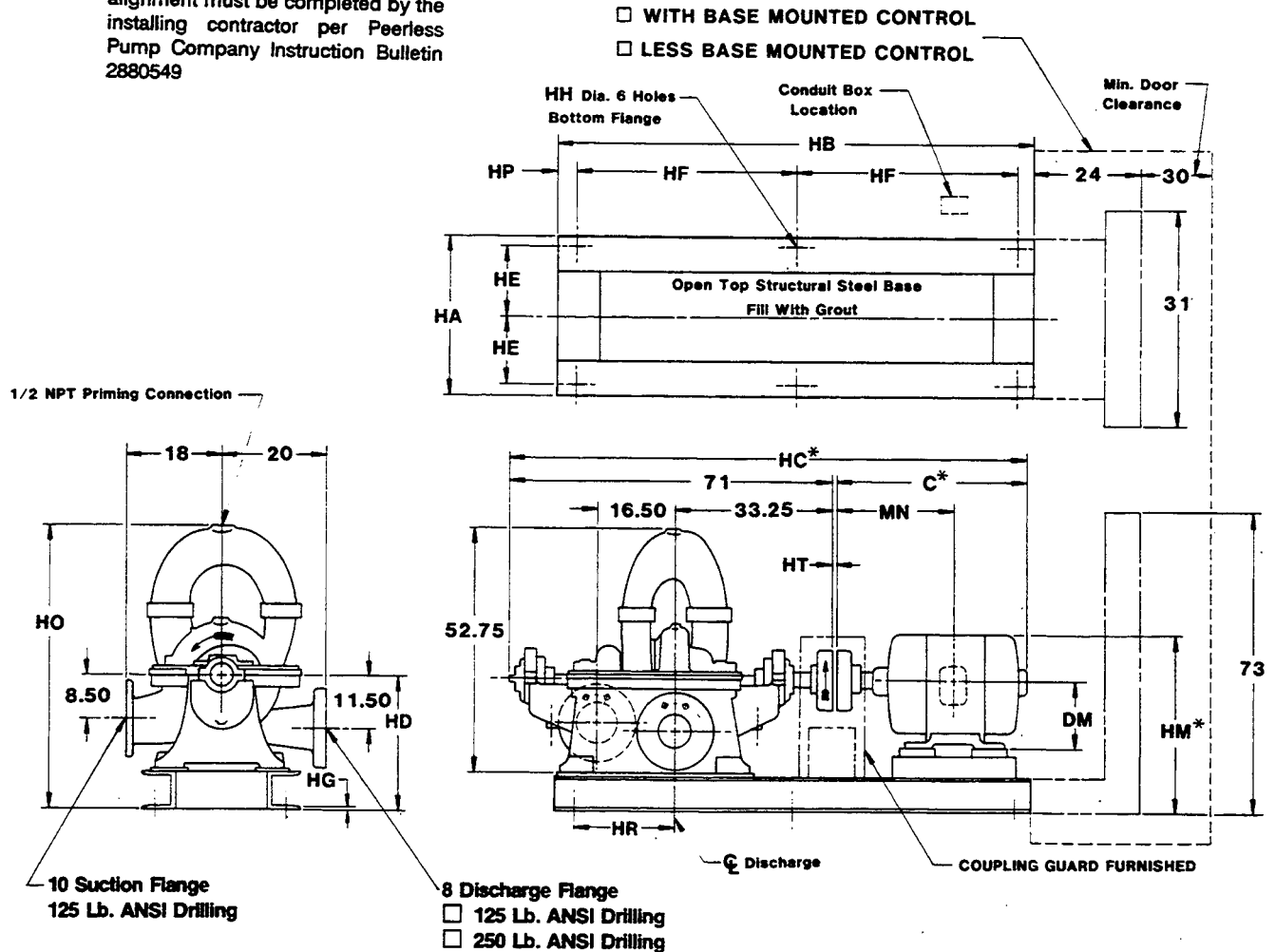
(ALL DIMENSIONS ARE IN INCHES)

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction

**Clockwise Rotation  
Non - Drip Rim Base**

- Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.
- Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



Pump Size and Type	X	Motor Frame	UNIT DIMENSION									BASE DIMENSION						Weight in Pounds (Less Control)	
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH	HP		HG
8TUF15		445TS	114.25	28.12	63.12	19.25	43	40	.25	11	20.12	30	90	14	39	1	6	.56	5625

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

(ALL DIMENSIONS ARE IN INCHES)

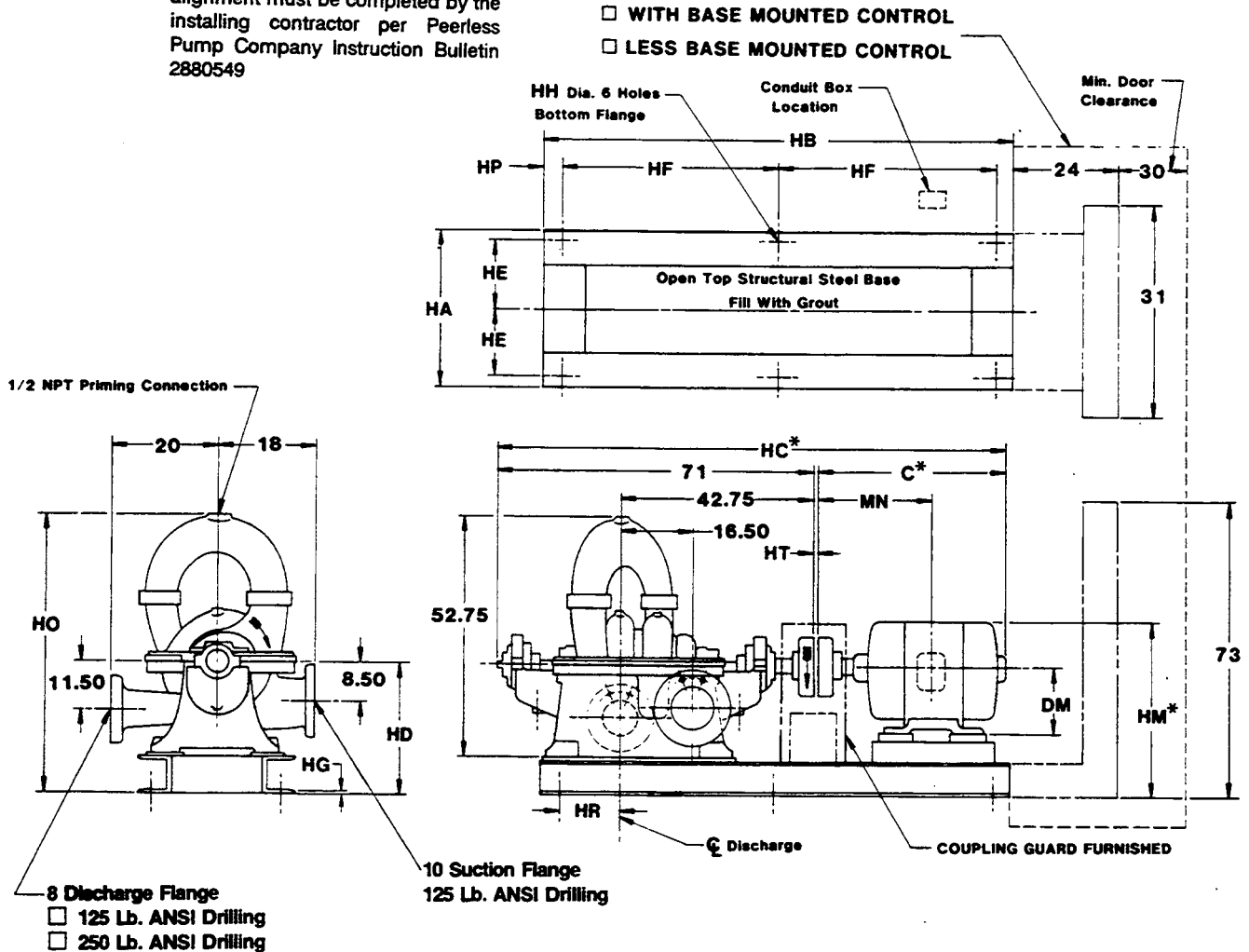
CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction

**TYPE TUF HORIZONTAL FIRE PUMPS  
OUTLINE - MOTOR DRIVE**

**Counter - Clockwise Rotation  
Non - Drip Rim Base**

- Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.
- Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION						Weight in Pounds (Less Control)		
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH		HP	HG
8TUF15		445TS	114.25	28.12	63.12	9.75	43	40	.25	11.00	20.12	30	90	14	39	1	6	.56	5625

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

(ALL DIMENSIONS ARE IN INCHES)

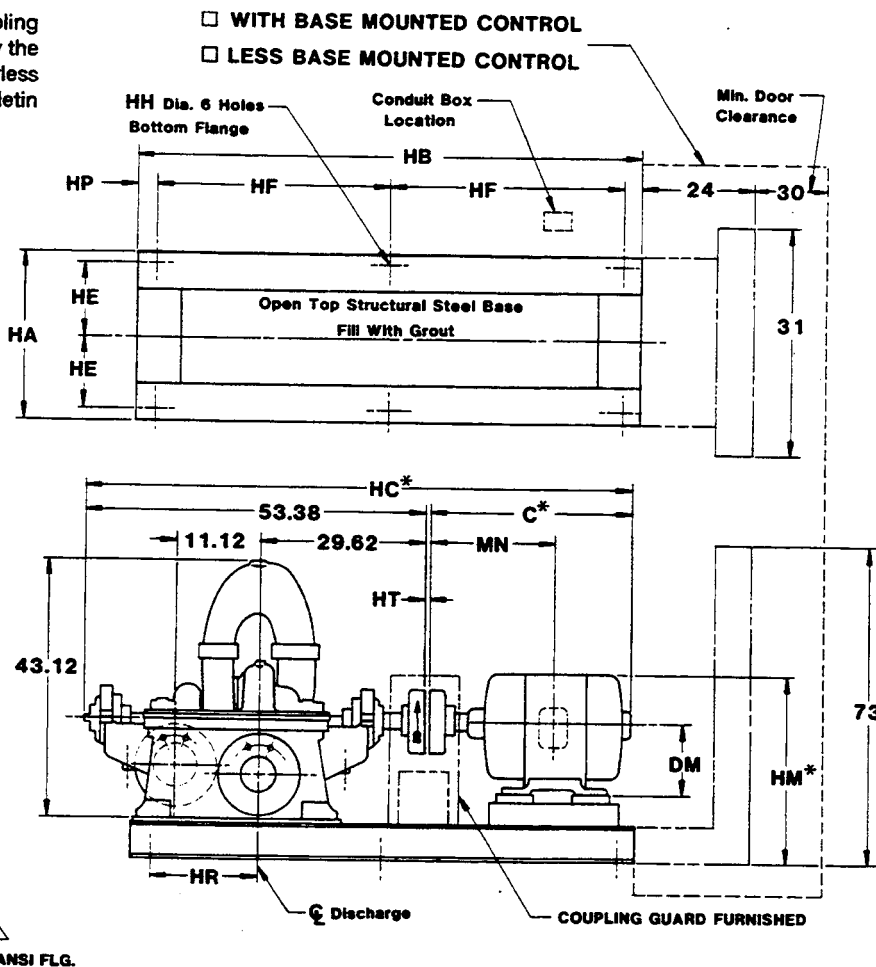
CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction

**Clockwise Rotation**  
**Non - Drip Rim Base**

Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.

Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



**IMPORTANT NOTE:**

If dimension "HD" minus "DM" is less than 12 inches, refer to the 1983 edition of NFPA Pamphlet No. 20 paragraph 6-6.4 for foundation height.

Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION						Weight in Pounds (Less Control)		
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH		HP	HG
4TUTF14		404TS	88.62	23	52.12	10.12	35	33.50	.25	10	17.00	21	73	9	31	.88	6	.50	3200
		405TS	90.62	23	52.12	10.12	37	33.50	.25	10	17.75	21	73	9	31	.88	6	.50	3285
		444TS	96.12	23	52.12	11.38	41	40.00	.25	11	19.50	24	77	11	34	1.00	5	.50	3520

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

(ALL DIMENSIONS ARE IN INCHES)

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

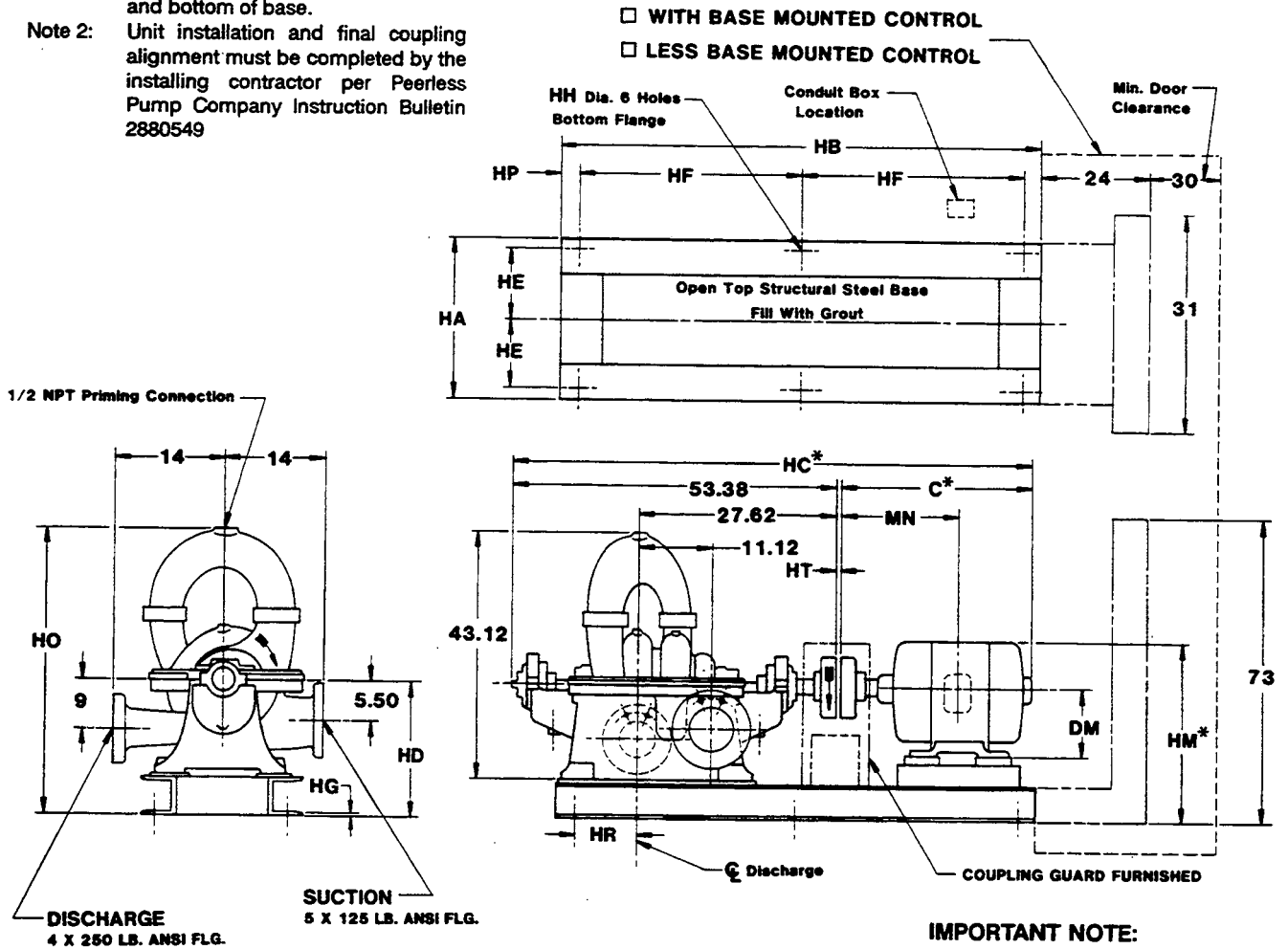
Subject to change unless certified for construction

**TYPE TUTF HORIZONTAL FIRE PUMPS  
OUTLINE - MOTOR DRIVE**

**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**Counter - Clockwise Rotation  
Non - Drip Rim Base**

- Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.
- Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



**IMPORTANT NOTE:**  
If dimension "HD" minus "DM" is less than 12 inches, refer to the 1983 edition of NFPA Pamphlet No. 20 paragraph 6-6.4 for foundation height.

Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION						Weight in Pounds (Less Control)		
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH		HP	HG
4TUTF14		404TS	88.62	23	52.12	12.12	35	33.50	.25	10	17.00	21	73	9	31	.88	6	.50	3200
		405TS	90.62	23	52.12	12.12	37	33.50	.25	10	17.75	21	73	9	31	.88	6	.50	3285
		444TS	96.12	23	52.12	13.38	41	40.00	.25	11	19.50	24	77	11	34	1.00	5	.50	3520

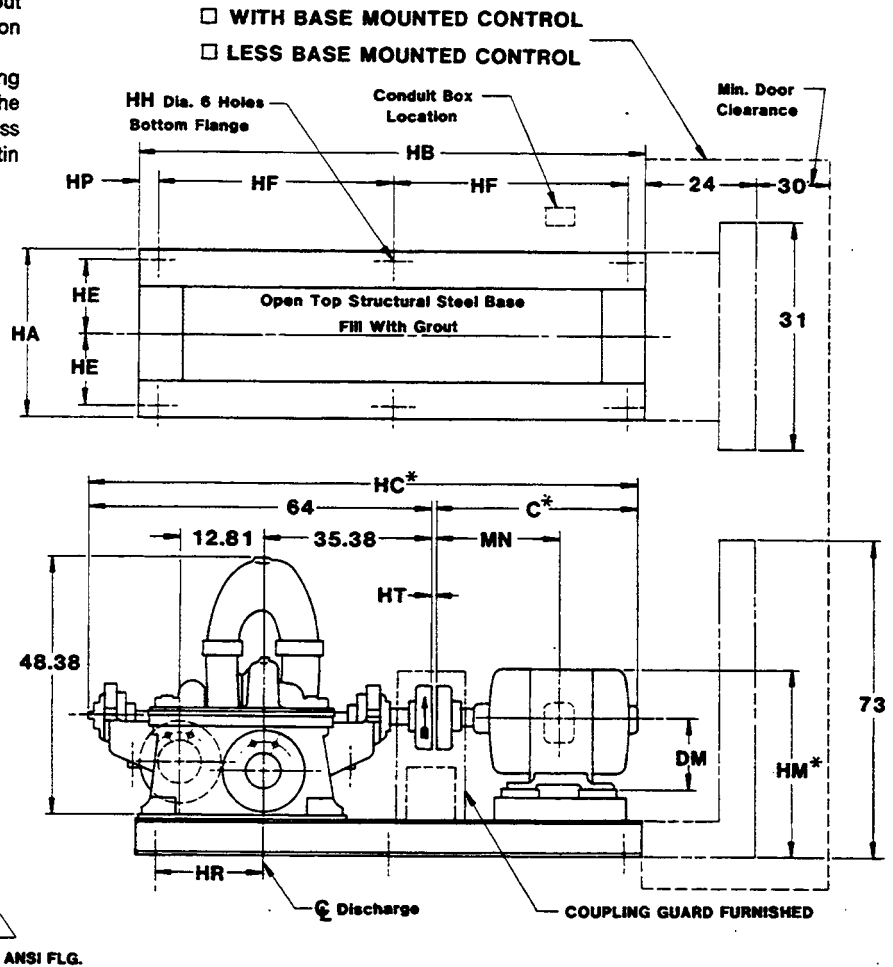
\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.  
(ALL DIMENSIONS ARE IN INCHES)

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction

Clockwise Rotation  
Non - Drip Rim Base

- Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.
- Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION							Weight in Pounds (Less Control)	
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH	HP		HG
STUTF16		405TS	101.25	26.12	58.38	13.50	37	36.50	.25	10	17.75	28	81	13	35	1.00	5	.50	4395
		444TS	105.25	26.12	58.38	13.75	41	37.75	.25	11	19.50	28	86	13	38	1.00	5	.50	4730
		445TS	107.25	26.12	58.38	13.75	43	37.75	.25	11	20.50	28	86	13	38	1.00	5	.50	4900

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

(ALL DIMENSIONS ARE IN INCHES)

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

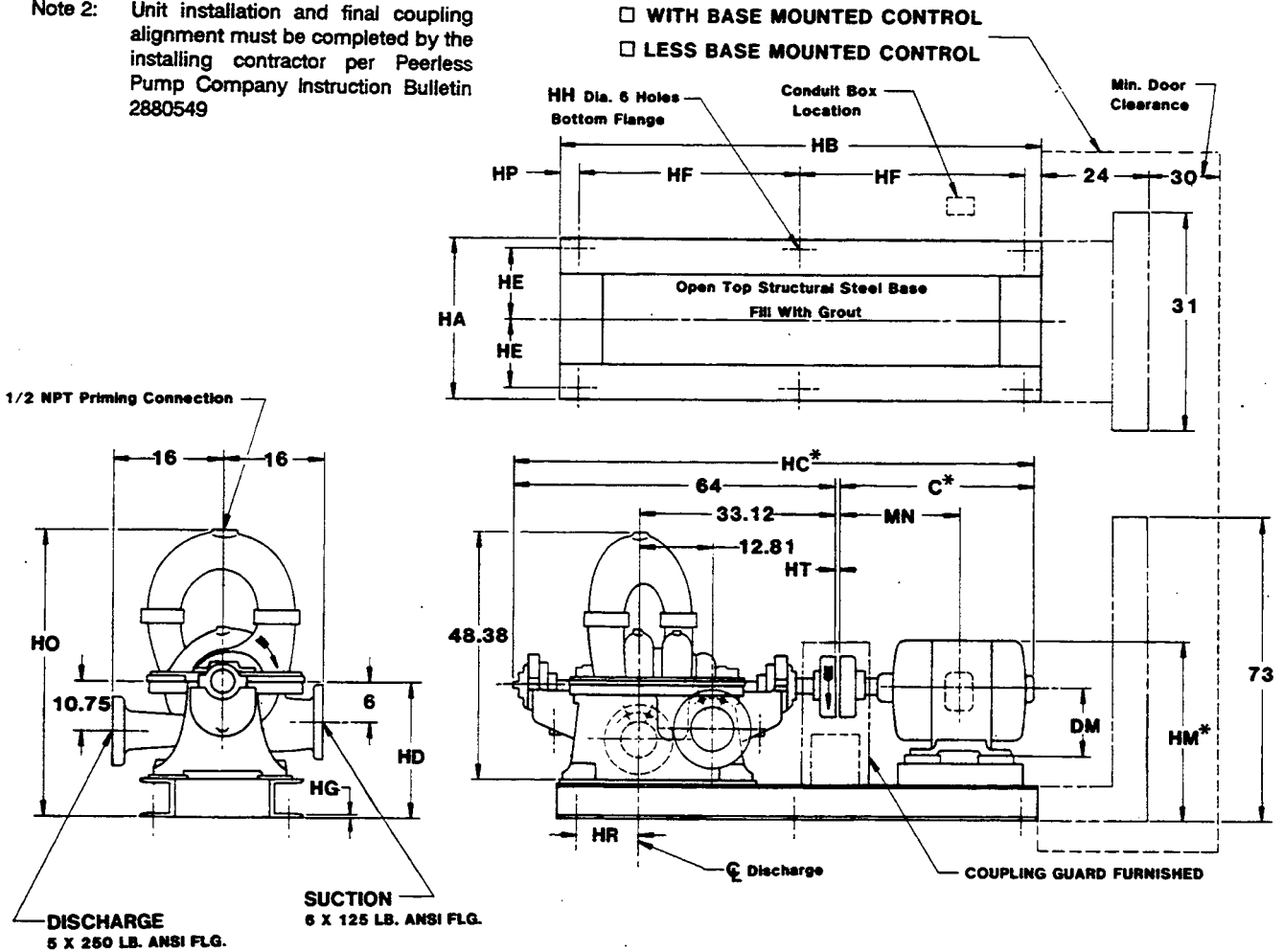
Subject to change unless certified for construction

**TYPE TUTF HORIZONTAL FIRE PUMPS  
OUTLINE - MOTOR DRIVE**

**Peerless Pump Company**  
Indianapolis, IN 46207-7026

**Counter - Clockwise Rotation  
Non - Drip Rim Base**

- Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base.
- Note 2: Unit installation and final coupling alignment must be completed by the installing contractor per Peerless Pump Company Instruction Bulletin 2880549



Pump Size and Type	X	Motor Frame	UNIT DIMENSION								BASE DIMENSION							Weight in Pounds (Less Control)	
			HC*	HD	HO	HR	C*	HM*	HT	DM	MN	HA	HB	HE	HF	HH	HP		HG
STUTF16		405TS	101.25	26.12	58.38	15.75	37	36.50	.25	10	17.75	28	81	13	35	1.00	5	.50	4395
		444TS	105.25	26.12	58.38	16.00	41	37.75	.25	11	19.50	28	86	13	38	1.00	5	.50	4730
		445TS	107.25	26.12	58.38	16.00	43	37.75	.25	11	20.50	28	86	13	38	1.00	5	.50	4900

\*MAXIMUM DIMENSIONS MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

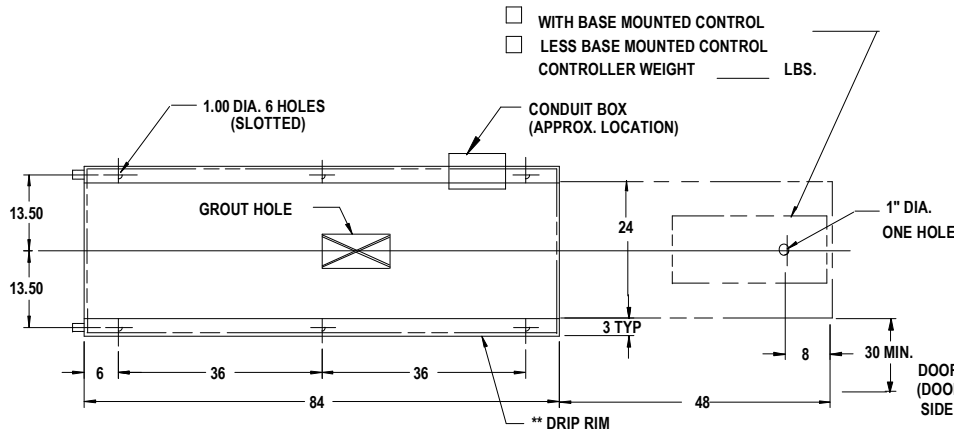
(ALL DIMENSIONS ARE IN INCHES)

CUSTOMER \_\_\_\_\_ JOB NAME \_\_\_\_\_  
P.O. NO. \_\_\_\_\_ ITEM NO. \_\_\_\_\_  
S.O. NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
MOTOR MFR. \_\_\_\_\_ ENCL. \_\_\_\_\_ FRAME \_\_\_\_\_ H.P. \_\_\_\_\_ VOLTS \_\_\_\_\_ PH. \_\_\_\_\_ HZ. \_\_\_\_\_  
PUMP TYPE & SIZE \_\_\_\_\_ RPM \_\_\_\_\_ G.P.M. \_\_\_\_\_ TOTAL HD. FT. \_\_\_\_\_  
CERTIFIED FOR  APPROVAL  CONSTRUCTION BY \_\_\_\_\_ DATE \_\_\_\_\_  
 UL  FM LISTED

Subject to change unless certified for construction



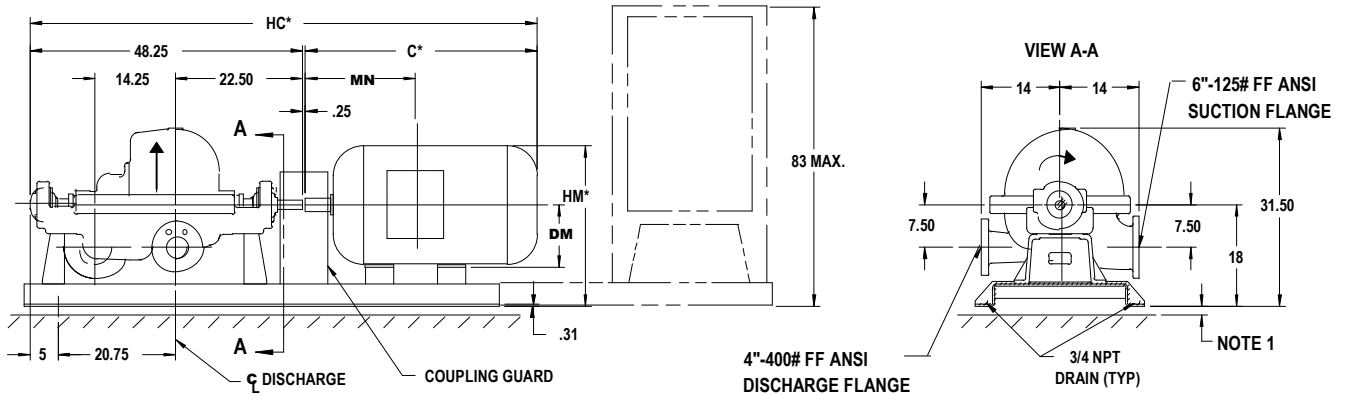
**Unit Outline Dimensions RH (CW) Rotation**



NOTE 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.

NOTE 2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER PEERLESS BULLETIN 2880549.

DOOR CLEARANCE (DOOR IS ON SAME SIDE AS PUMP DISCH.)



- STEEL NON-DRIP RIM BASE FURNISHED
  - STEEL DRIP RIM BASE FURNISHED
- (\*\* DRIP RIM SHOWN IN PHANTOM LINES)

✓	Pump Size & Type	Motor Frame Size	Unit Dimensions In Inches					Weight-Lbs.				
			C*	DM	HC*	HM*	MN	Pump	Cplg	Motor ODP	Base	Total
	4TUF11	365TS	32	9	80.5	27.50	15.75	1380	16	690	400	2486
	4TUF11	404TS	35	10	83.5	28.50	17.00	1380	23	830	400	2633
	4TUF11	405TS	37	10	85.5	28.50	17.75	1380	23	915	400	2718
	4TUF11	444TS	41	11	89.5	29.75	19.50	1380	39	1100	400	2919
	4TUF11	445TS	43	11	91.5	29.75	20.50	1380	39	1270	400	3089

\*Maximum dimensions, may be less with different make motors or enclosures

Customer \_\_\_\_\_ Job Name \_\_\_\_\_  
P.O. No. \_\_\_\_\_ Item No. \_\_\_\_\_  
Invoice No. \_\_\_\_\_ Serial No \_\_\_\_\_  
Motor Mfr. \_\_\_\_\_ Enclosure \_\_\_\_\_ Hp. \_\_\_\_\_ Volts \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_  
Pump Size &, Type **4TUF11** RPM \_\_\_\_\_ US GPM \_\_\_\_\_ Total Hd in Ft \_\_\_\_\_

- UL Listed
  - ULC Listed
  - FM Approved
- Subject to change unless certified for construction

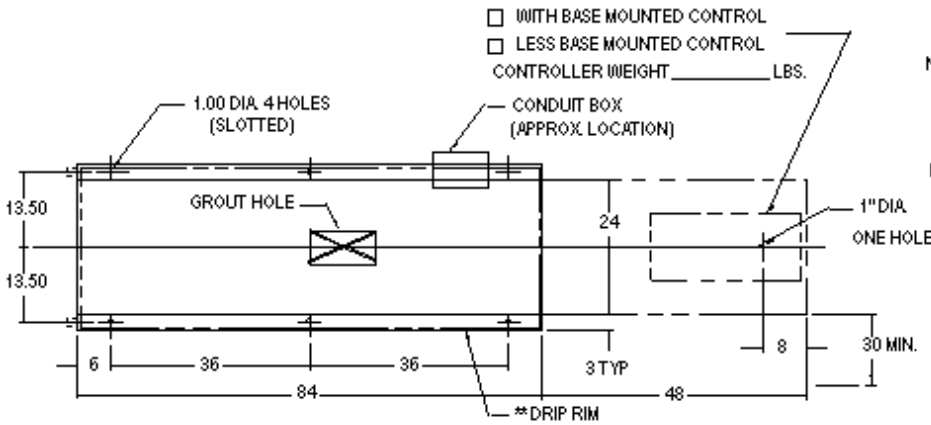


**HORIZONTAL SPLIT CASE MULTISTAGE  
SINGLE SUCTION FIRE PUMPS  
Type 4TUF11**



Peerless Pump Company  
Indianapolis, IN 46207-7026

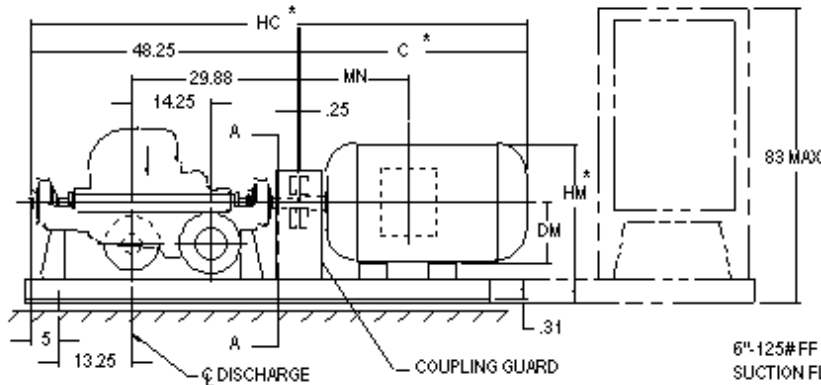
**Unit Outline Dimensions LH (CCW) Rotation**



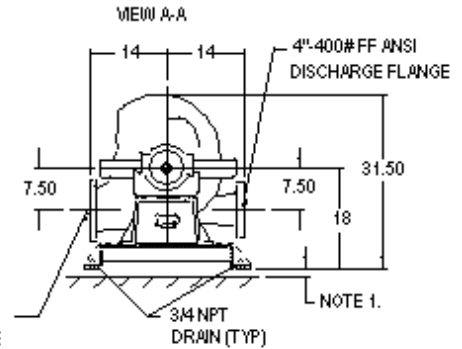
NOTE 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.

NOTE 2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER PEERLESS BULLETIN 2880549.

DOOR CLEARANCE  
(DOOR IS ON SAME  
SIDE AS PUMP DISCH.)



COUNTER -CLOCKWISE ROTATION  
(LEFT HAND)



- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED
- [\*\* SHOWN IN PHANTOM LINES ]

✓	Pump Size & Type	Motor Frame Size	Unit Dimensions In Inches					Weight-Lbs.				
			C*	DM	HC*	HM*	MN	Pump	Cplg	Motor ODP	Base	Total
	4TUF11	365TS	32	9	80.5	27.50	15.75	1380	16	690	400	2486
	4TUF11	404TS	35	10	83.5	28.50	17.00	1380	23	830	400	2633
	4TUF11	405TS	37	10	85.5	28.50	17.75	1380	23	915	400	2718
	4TUF11	444TS	41	11	89.5	29.75	19.50	1380	39	1100	400	2919
	4TUF11	445TS	43	11	91.5	29.75	20.50	1380	39	1270	400	3089

\*Maximum dimensions, may be less with different make motors or enclosures

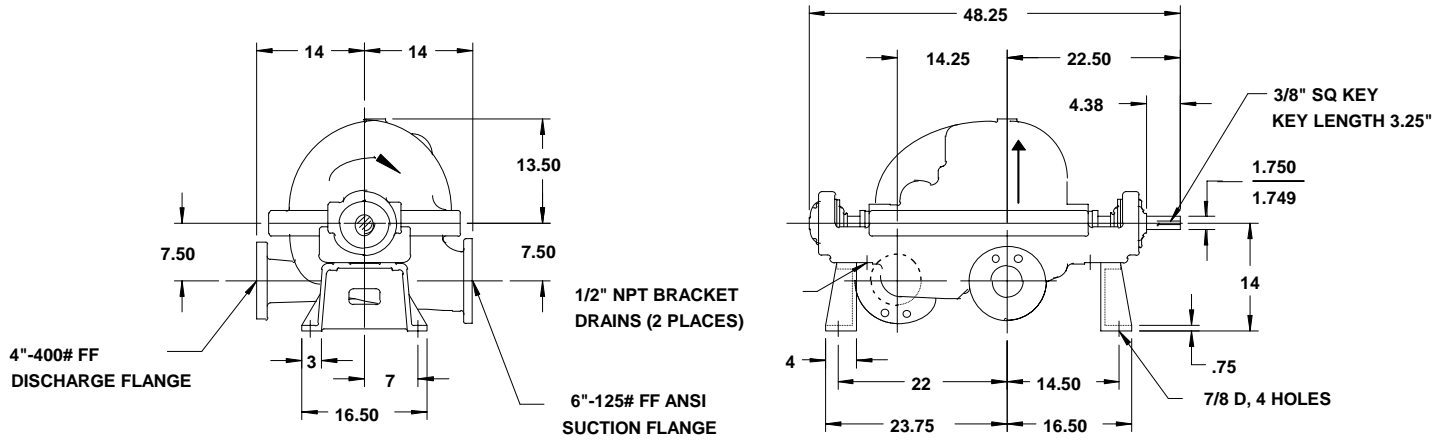
Customer \_\_\_\_\_ Job Name \_\_\_\_\_  
P.O. No. \_\_\_\_\_ Item No. \_\_\_\_\_  
Invoice No. \_\_\_\_\_ Serial No \_\_\_\_\_  
Motor Mfr. \_\_\_\_\_ Enclosure \_\_\_\_\_ Hp. \_\_\_\_\_ Volts \_\_\_\_\_ Ph \_\_\_\_\_ Hz \_\_\_\_\_  
Pump Size & Type **4TUF11** RPM \_\_\_\_\_ US GPM \_\_\_\_\_ Total Hd in Ft \_\_\_\_\_

UL Listed     ULC Listed     FM Approved  
*Subject to change unless certified for construction*

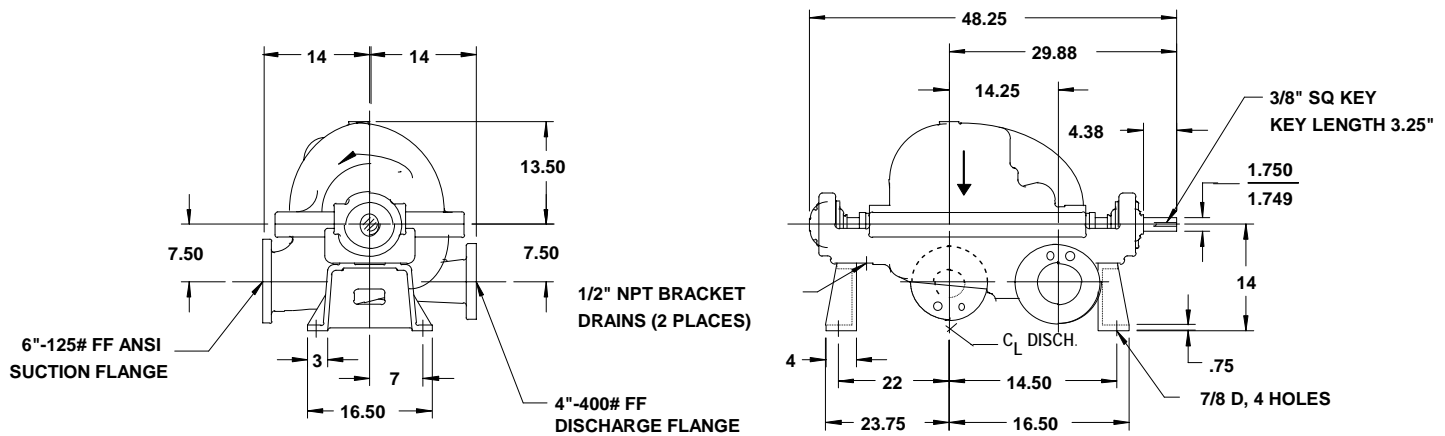
**DT 4853695**  
Rev.11-01



**Pump Dimensions RH (CW) Rotation  Furnished**



**Pump Dimensions LH (CCW) Rotation  Furnished**



Customer	_____	Job Name	_____
P.O. No.	_____	Item No.	_____
Invoice No.	_____	Serial No	_____
Motor Mfr.	_____	Volts	_____
Enclosure	_____	Ph	_____
Hp.	_____	Hz	_____
Pump Size &, Type	<b>4TUF11</b>	US GPM	_____
RPM	_____	Total Hd in Ft	_____

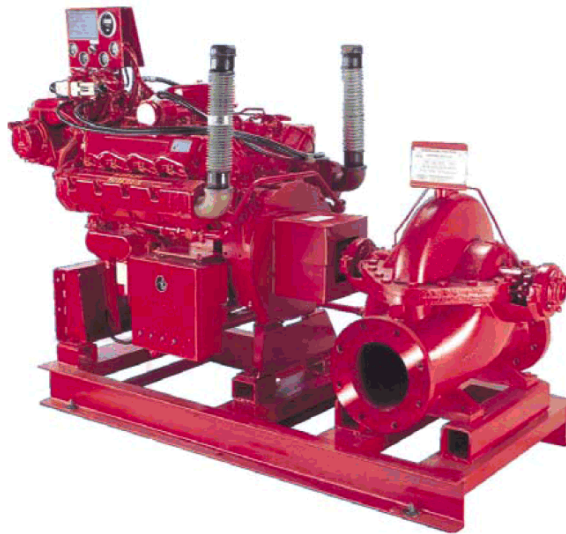
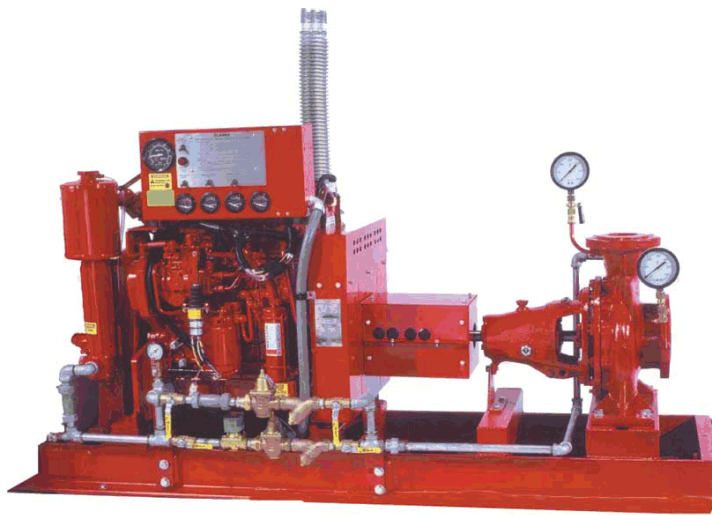
UL Listed     ULC Listed     FM Approved  
*Subject to change unless certified for construction*

**DT 4853601  
Rev. 5-96**



**Peerless Pump Company**

**Fire Pump Unit & Accessories Dimensional Outlines**  
**End Suction, Horizontal Split Case**



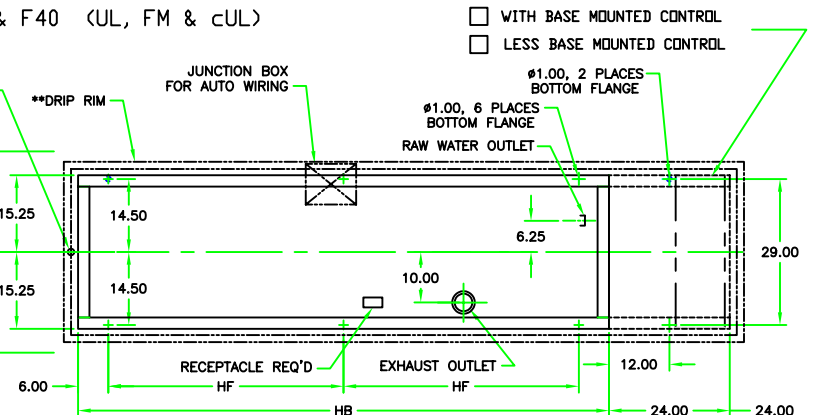
CUMMINS DIESEL ENGINE CFP83-F10, F20, F30 & F40 (UL, FM & cUL)

HORIZONTAL FIRE PUMPS

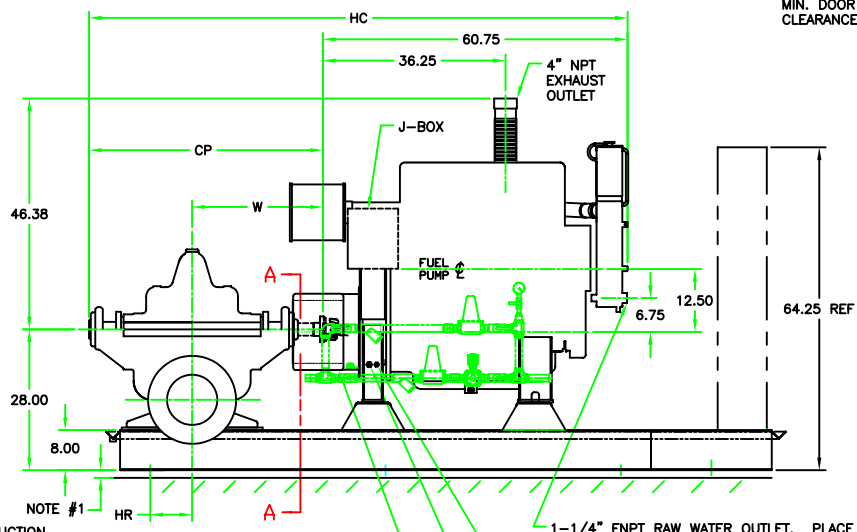
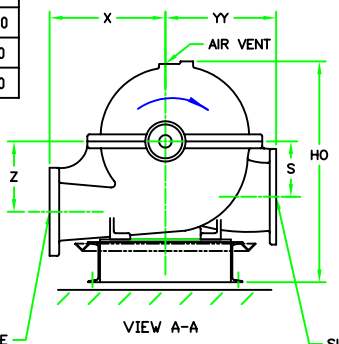
X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)				
			HB	HC	HF	HD	HR	Base	Engine	Control	Complete Unit	
											Less Control	With Control
	CFP83	6AEF14	105.5	91.75	46.75	39.00	16.75	375	1792	600	2777	3377
	CFP83	6AEF18	105.5	95.75	46.75	34.00	14.50	375	1792	600	3037	3637
	CFP83	8AEF15	105.5	94.25	46.75	40.00	15.25	375	1792	600	3017	3617
	CFP83	8AEF17	105.5	95.75	46.75	42.00	14.50	375	1792	600	3177	3777
	CFP83	8AEF20	105.5	103.25	46.75	43.00	10.25	375	1792	600	3497	4097
	CFP83	10AEF16	105.5	103.25	46.75	41.50	10.25	375	1792	600	3647	4247
	CFP83	10AEF20	105.5	107.00	46.75	44.00	8.25	375	1792	600	4167	4767

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000

NOTES:  
 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
 2. THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.50 ± 0.25 INCH FROM THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.50 INCH RIGHT OF LEFT.



CLOCKWISE ROTATION (RH) WHEN VIEWED FROM ENGINE END



ENGINE MUST BE RAISED 0° TO REMOVE OIL PAN  
 UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
 ALL DIMENSIONS ARE IN INCHES  
 SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 10AEF20 & ENGINE MODEL CFP83 COMBINATION.

- 125 LB ANSI DRILLING
- 250 LB ANSI DRILLING
- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE - - - -)

DT 4854296  
 Rev. 1-06

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CUMMINS
Customer:	Total Pressure:	Engine Model:	
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
 P.O. Box 7026 Indianapolis, IN 46207-7026  
 Phone : 317-925-9661  
 Fax : 317-924-7388

CUMMINS DIESEL ENGINE CFP6E-F15, F25, F35 (UL, FM, & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)				
			HB	HC	HF	HD	HR	Base	Engine	Control	Complete Unit	
											Less Control	With Control
	CFP6E	5AEF14	105.5	85.00	46.75	36.62	17.06	375	1257	600	2137	2737
	CFP6E	6AEF12	105.5	88.00	46.75	38.00	15.25	375	1257	600	2382	2982
	CFP6E	6AEF14	105.5	85.50	46.75	39.00	16.75	375	1257	600	2242	2842
	CFP6E	8AEF15	105.5	88.00	46.75	40.00	15.25	375	1257	600	2482	3082
	CFP6E	8AEF17	105.5	89.50	46.75	41.88	14.50	375	1257	600	2642	3242

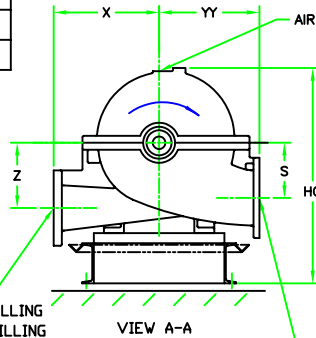
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010

ENGINE MUST BE RAISED 0° TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL CFP6E COMBINATION.

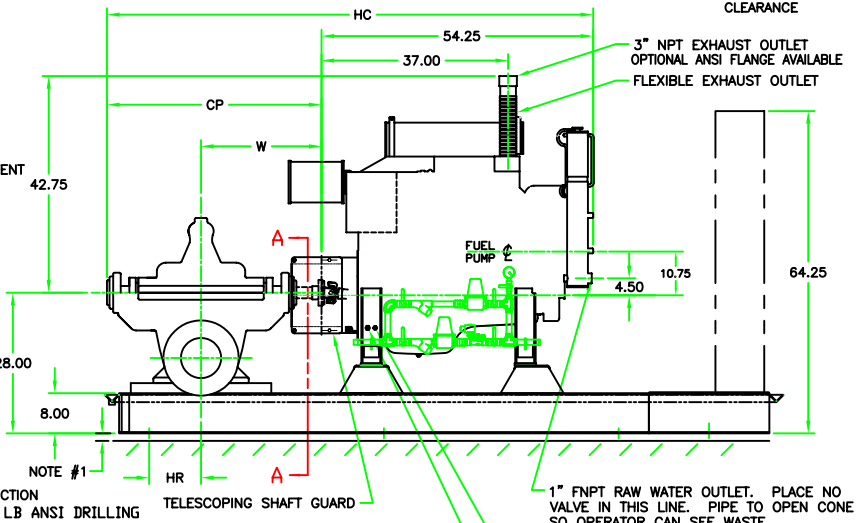
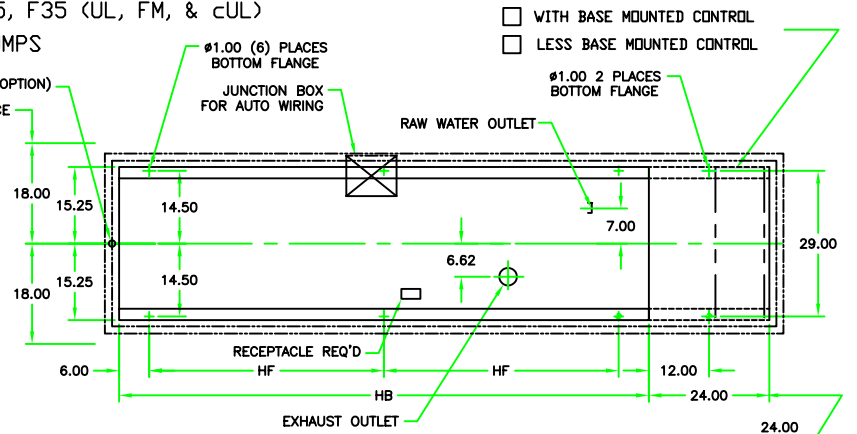
- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.50 ± 0.25 INCH FROM THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.50 INCH RIGHT OF LEFT.

CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END



- 125 LB ANSI DRILLING
- 250 LB ANSI DRILLING

- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED
- (\* \*\* SHOWN IN PHANTOM LINE - - - - - )



- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL

DT 4854291  
Rev. 1-06

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CUMMINS
Customer:	Total Pressure:	Engine Model:	
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump COMPANY  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CUMMINS DIESEL ENGINE CFP59-F10, F15, F20, F25, F40, F45, F50 & F55 (UL, FM, & cUL)

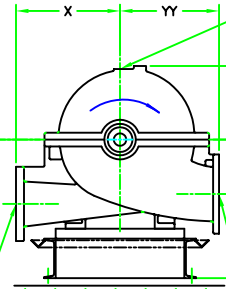
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)				
								Complete Unit		Base	Engine	Control
			HB	HC	HF	HD	HR					
	CFP59	5AEF14	105.5	85.00	46.75	36.75	17.06	375	1138	600	2018	2618
	CFP59	6AEF12	105.5	88.00	46.75	38.00	15.25	375	1138	600	2263	2863
	CFP59	6AEF14	105.5	85.50	46.75	39.00	16.75	375	1138	600	2123	2723
	CFP59	6AEF16	105.5	88.00	46.75	39.50	15.50	375	1138	600	2203	2803
	CFP59	6AEF18	105.5	89.50	46.75	40.00	14.50	375	1138	600	2383	2983
	CFP59	8AEF13	105.5	86.00	46.75	38.75	16.50	375	1138	600	2265	2865
	CFP59	8AEF15	105.5	88.00	46.75	40.00	15.25	375	1138	600	2363	2963
	CFP59	8AEF17	105.5	89.50	46.75	42.00	14.50	375	1138	600	2523	3123
	CFP59	8AEF20	105.5	97.00	46.75	43.00	10.25	375	1138	600	2843	3443

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330

NOTES:  
 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
 2. THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.50 ± 0.25 INCH FROM THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.50 INCH RIGHT OF LEFT.

CLOCKWISE ROTATION (RH) WHEN VIEWED FROM ENGINE END

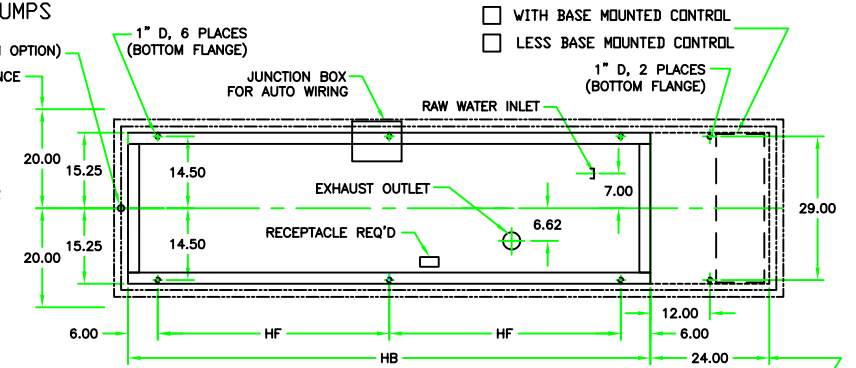


DISCHARGE  
 125 LB ANSI DRILLING  
 250 LB ANSI DRILLING

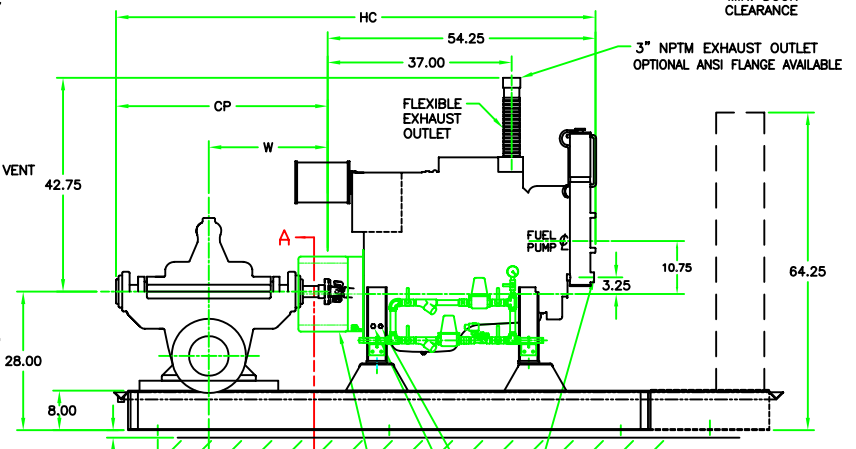
STEEL NON-DRIP RIM BASE FURNISHED  
 STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE - - - - -)

ENGINE MUST BE RAISED 0° TO REMOVE OIL PAN  
 UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
 ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL CFP59 COMBINATION.



WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL



NOTE #1  
 SUCTION 125 LB ANSI DRILLING  
 TELESCOPING SHAFT GUARD  
 1" FNPT RAW WATER OUTLET. PLACE NO VALVE IN THIS LINE. PIPE TO OPEN CONE SO OPERATOR CAN SEE WASTE.

1/4" NPT FUEL SUPPLY (OPPOSITE SIDE)  
 1/4" NPT FUEL RETURN (OPPOSITE SIDE)

DT 4854295  
 Rev. 1-06

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CUMMINS
Customer:	Total Pressure:	Engine Model:
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:



Peerless Pump Company  
 P.O. Box 7026 Indianapolis, IN 46207-7026  
 Phone : 317-925-9661  
 Fax : 317-924-7388

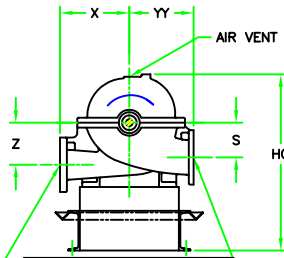
CUMMINS DIESEL ENGINE CFP39-F15 (UL, FM & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)				
			HB	HC	HF	HD	HR	Base	Engine	Control	Complete Unit	
											Less Control	With Control
	CFP39	5AEF14	86	75.50	37	35.50	16.50	330	964	600	1799	2399
	CFP39	6AEF12	86	78.50	37	35.75	14.75	330	964	600	2044	2644
	CFP39	6AEF14	86	76.00	37	36.75	16.25	330	964	600	1904	2504

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610

- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET  $0.50 \pm 0.25$  INCH FROM THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.50 INCH RIGHT OF LEFT.

CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END

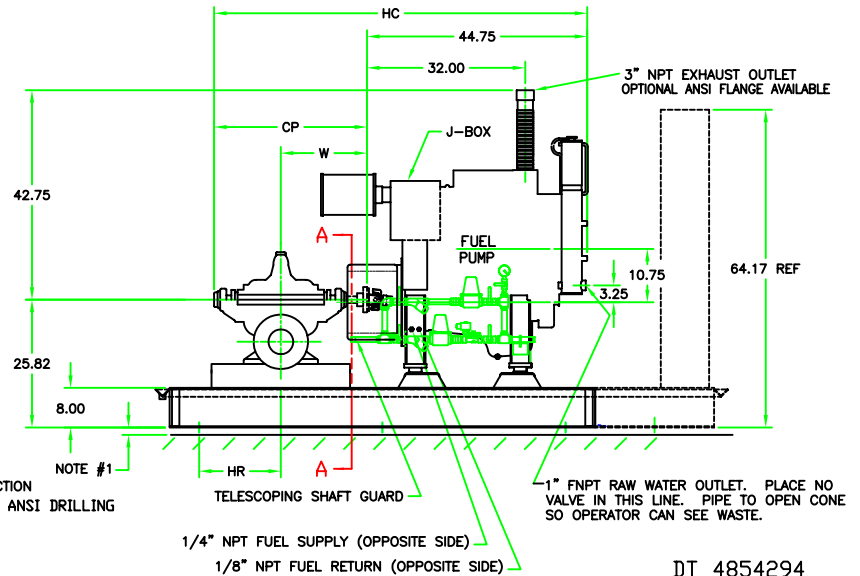
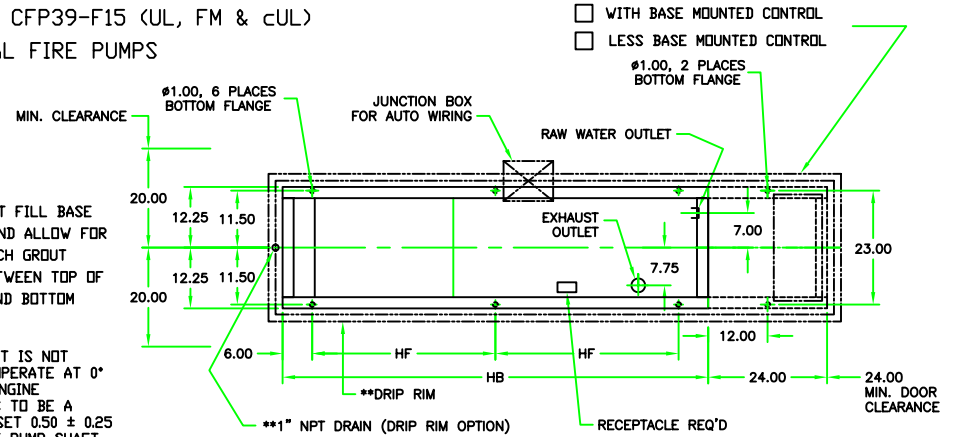


- DISCHARGE
- 125 LB ANSI DRILLING
  - 250 LB ANSI DRILLING
- SUCTION  
125 LB ANSI DRILLING

- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE - - - -)

ENGINE MUST BE RAISED 0° TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 5AEF14 & ENGINE MODEL CFP39 COMBINATION.



DT 4854294  
Rev. 1-06

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CUMMINS
Customer:	Total Pressure:	Engine Model: CFP39-F15
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:



Peerless Pump COMPANY  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CUMMINS DIESEL ENGINE CFP33-F10, F20, F25, F30, F35 (UL, FM & cUL)

HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)				
			HB	HC	HF	HD	HR	Base	Engine	Control	Complete Unit	
											Less Control	With Control
	CFP33	4AEF10	86	71.75	37	32.50	17.75	330	722	600	1367	1967
	CFP33	4AEF11	86	68.25	37	33.00	20.25	330	722	600	1307	1907
	CFP33	4AEF12	86	71.75	37	33.25	17.75	330	722	600	1428	2028
	CFP33	5AEF11	86	72.75	37	32.62	17.75	330	722	600	1432	2032
	CFP33	5AEF12	86	72.75	37	34.25	17.75	330	722	600	1618	2218
	CFP33	5AEF14	86	74.50	37	34.25	16.50	330	722	600	1557	2157
	CFP33	6AEF12	86	77.50	37	34.75	14.75	330	722	600	1802	2402
	CFP33	6AEF14	86	75.00	37	35.75	16.25	330	722	600	1662	2262
	CFP33	6AEF16	86	77.50	37	36.00	15.00	330	722	600	1742	2342
	CFP33	8AEF13	86	75.50	37	35.50	16.00	330	722	600	1804	2404
	CFP33	8AEF15	86	77.50	37	36.75	14.75	330	722	600	1902	2502

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	4AEF10	5	4	28.00	6.50	16.00	11.00	11.00	6.50	315
	4AEF11	5	4	24.50	6.50	13.50	10.00	12.00	6.50	255
	4AEF12	5	4	28.00	6.50	16.00	10.25	12.50	7.75	376
	5AEF11	6	5	29.00	6.75	16.00	12.00	13.00	6.75	380
	5AEF12	6	5	29.00	8.00	16.00	13.00	14.00	8.50	566
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850

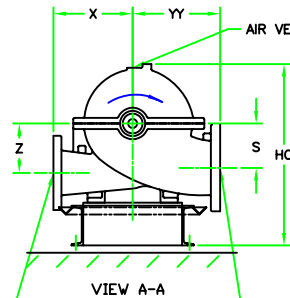
ENGINE MUST BE RAISED 0° TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF15 & ENGINE MODEL CFP33 COMBINATION.

- 125 LB ANSI DRILLING
- 250 LB ANSI DRILLING

- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED
- (\* SHOWN IN PHANTOM LINE - - - - \*)

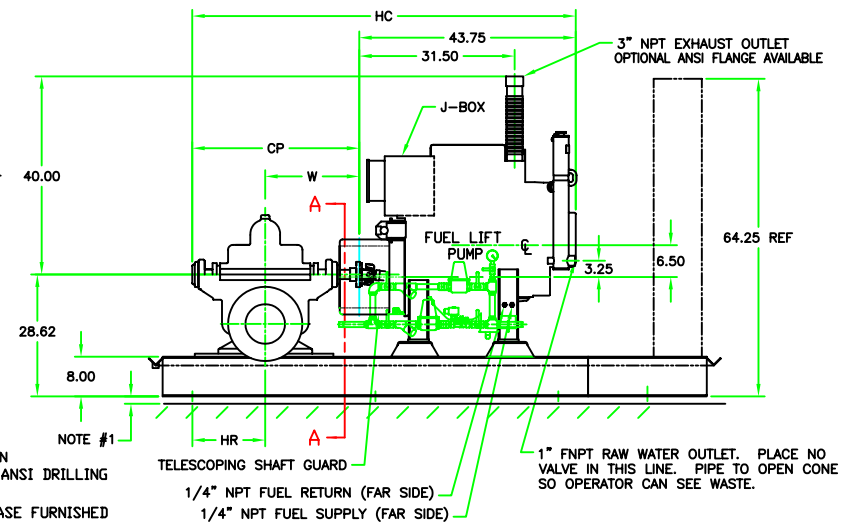
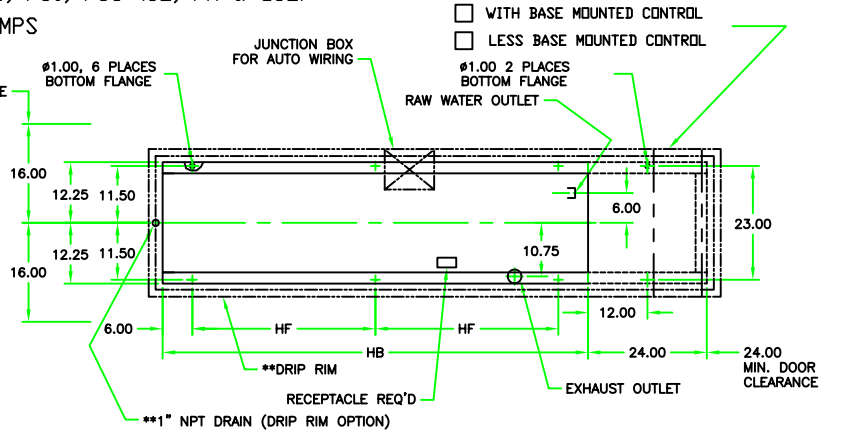
CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END



DISCHARGE  
SUCTION 125 LB ANSI DRILLING

- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED
- (\* SHOWN IN PHANTOM LINE - - - - \*)

- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.50 ± 0.25 INCH FROM THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.50 INCH RIGHT OF LEFT.



NOTE #1  
TELESCOPING SHAFT GUARD  
1/4" NPT FUEL RETURN (FAR SIDE)  
1/4" NPT FUEL SUPPLY (FAR SIDE)  
1" FNPT RAW WATER OUTLET. PLACE NO VALVE IN THIS LINE. PIPE TO OPEN CONE SO OPERATOR CAN SEE WASTE.

DT 4854293  
Rev. 1-06

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CUMMINS
Customer:	Total Pressure:	Engine Model:	
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388



CUMMINS DIESEL ENGINE CFP11E-F10 & F20 (UL, FM & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)				
			HB	HC	HF	HD	HR	Base	Engine	Control	Complete Unit	
											Less Control	With Control
	CFP11E	8AEF17	112	105.50	50	44.00	14.00	390	2343	600	3743	4343
	CFP11E	8AEF20	112	113.00	50	45.00	9.75	390	2343	600	4063	4663
	CFP11E	10AEF16	112	113.00	50	43.50	9.75	390	2343	600	4213	4813
	CFP11E	10AEF20	112	116.75	50	46.00	7.75	390	2343	600	4733	5333

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480
	10AEF20	12	10	46.50	11.0	26.00	23.00	22.00	14.00	2000

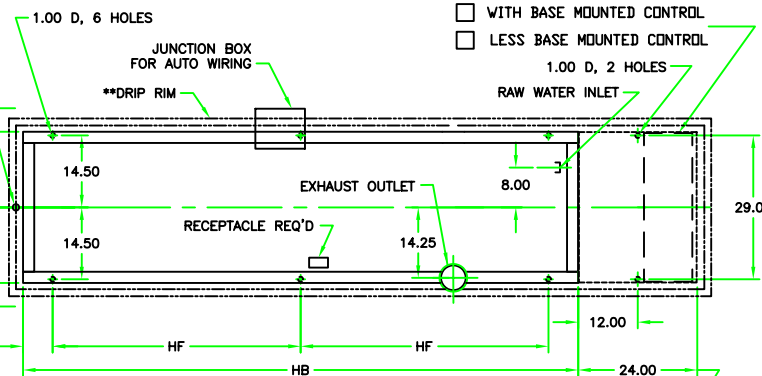
NOTES:

- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
- THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET .50 ± 0.25 INCH FROM THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARELLEL OFFSET FROM THE PUMP SHAFT .50 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT.

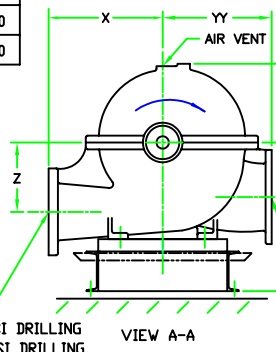
ENGINE MUST BE RAISED 0° TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
ALL DIMENSIONS ARE IN INCHES  
ENGINE MANUAL FOR ALIGNMENT  
SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 10AEF20 & ENGINE MODEL CFP11E COMBINATION.

\*\*1" NPT DRAIN (DRIP RIM OPTION)

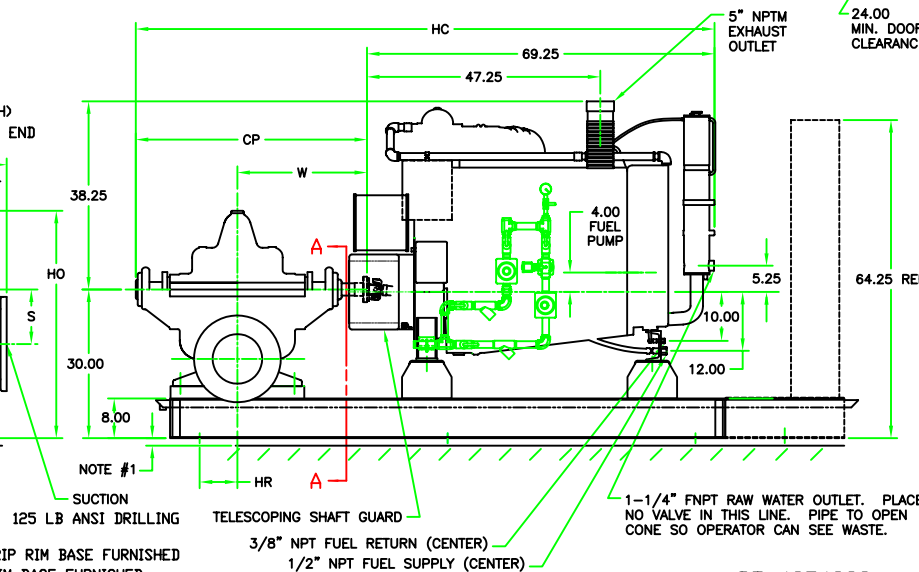
MIN. CLEARANCE



CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END



- 125 LB ANSI DRILLING
- 250 LB ANSI DRILLING



- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED
- (\* \* \* SHOWN IN PHANTOM LINE - - - - - )

DT 4854292  
Rev. 1-06

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

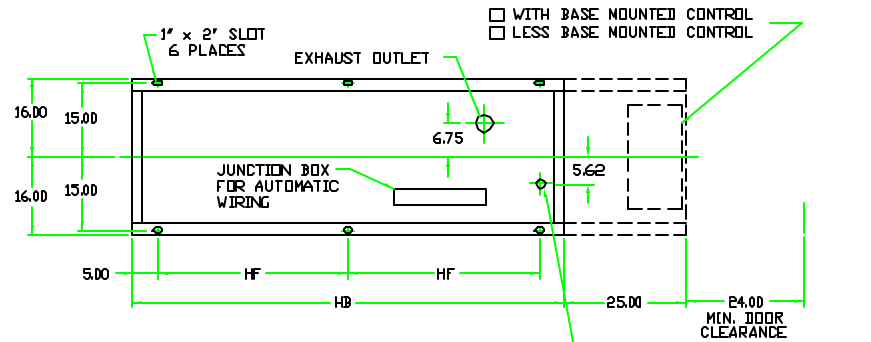
Project:	Capacity:	Engine Supplier: CUMMINS
Customer:	Total Pressure:	Engine Model:
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CLARKE DIESEL ENGINE JU4H-UF10, 12, 14, 20 & 22, 24 (UL, FM, & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HG	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	
												Less Control	With Control
	JU4H-UF10, 12, 14	4AEF10	78	76.75	20	34	27.88	9.00	409	910	712	1634	2346
	JU4H-UF20, 22	4AEF10	78	76.75	20	34	27.88	9.00	409	910	712	1634	2346
	JU4H-UF10, 12	4AEF11	78	73.25	20	34	28.25	11.50	409	910	712	1574	2286
	JU4H-UF20, 22	4AEF11	78	73.25	20	34	28.25	11.50	409	910	712	1574	2286
	JU4H-UF10, 12, 14	4AEF12	78	76.25	20	34	27.62	9.00	409	910	712	1695	2407
	JU4H-UF20, 22, 24	4AEF12	78	76.25	20	34	27.62	9.00	409	910	712	1695	2407
	JU4H-UF14	5AEF8	78	78.00	20	34	26.62	8.75	409	910	712	1634	2346
	JU4H-UF10, 12, 14	5AEF11	78	77.25	21	34	29.00	9.00	409	910	712	1699	2411
	JU4H-UF20, 22, 24	5AEF11	78	77.25	21	34	29.00	9.00	409	910	712	1699	2411
	JU4H-UF10, 12	5AEF14	78	79.50	22	34	31.62	7.75	409	910	712	1824	2536
	JU4H-UF20, 22	5AEF14	78	79.50	22	34	31.62	7.75	409	910	712	1824	2536
	JU4H-UF14	6AEF10	78	77.00	23	34	31.12	9.00	409	910	712	1769	2481
	JU4H-UF24	6AEF10	78	77.00	23	34	31.12	9.00	409	910	712	1769	2481
	JU4H-UF10, 12, 14	6AEF12	88	82.50	23	39	33.00	16.00	429	910	712	2089	2801
	JU4H-UF20, 22, 24	6AEF12	88	82.50	23	39	33.00	16.00	429	910	712	2089	2801
	JU4H-UF10, 12	6AEF14	88	80.00	24	39	35.00	17.30	429	910	712	1949	2661
	JU4H-UF20, 22	6AEF14	88	80.00	24	39	35.00	17.50	429	910	712	1949	2661
	JU4H-UF10, 12	8AEF13	88	80.50	26	39	36.75	17.25	429	910	712	2091	2803
	JU4H-UF20, 22	8AEF13	88	80.50	26	39	36.75	17.25	429	910	712	2091	2803



X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Recharge	CP	S	V	X	YY	Z	
	4AEF10	5	4	28.00	6.50	16.00	11.00	11.00	6.50	315
	4AEF11	5	4	24.50	6.50	13.50	10.00	12.00	6.50	235
	4AEF12	5	4	28.00	6.50	16.00	10.25	12.50	7.75	376
	5AEF8	6	5	29.25	5.75	16.38	12.00	12.00	5.75	315
	5AEF11	6	5	29.00	6.75	16.00	12.00	13.00	6.75	380
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	503
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF16	8	6	33.75	9.12	18.73	18.00	16.00	10.75	690
	8AEF13	10	8	31.75	10.00	17.73	18.00	17.00	10.00	752

- NOTES: 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FROM .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2. UNIT INSTALLATION AND FINAL DRIVESHAFT ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR.

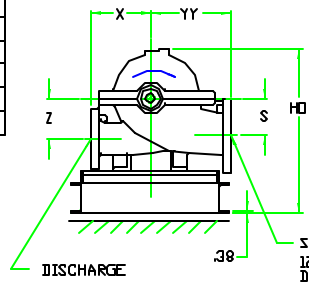
CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0 ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

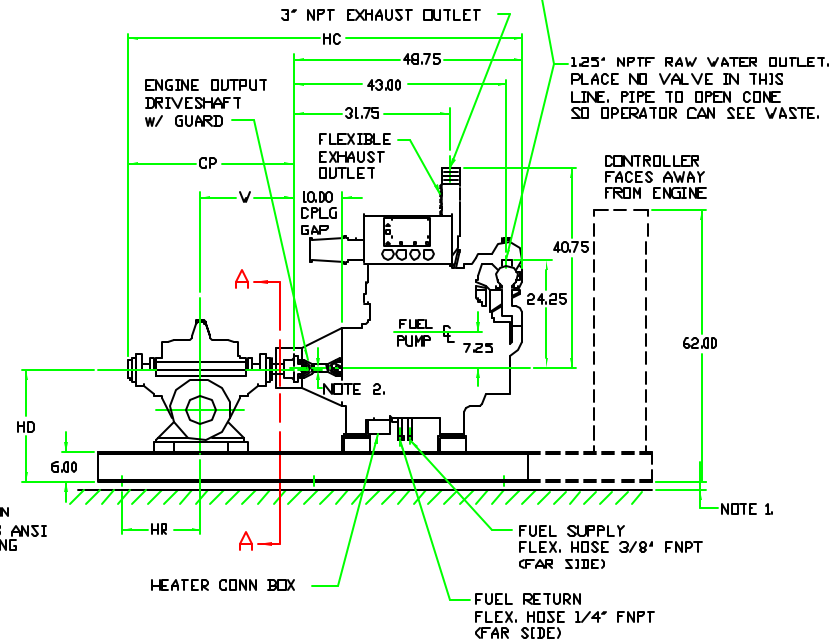
3. UNIT IS PIPED WITH WATER LINES AND BY-PASS. PER NFPA 20.

4. ALL DIMENSIONS ARE IN INCHES.

CLOCKWISE ROTATION (RHD)  
WHEN VIEWED FROM ENGINE END  
VIEW A-A



- 125 LB ANSI DRILLING  
 250 LB ANSI DRILLING  
 STEEL DRIP RIM BASE FURNISHED



SCALE NOTE: DRAWING IS TO SCALE FOR PUMP MODEL 6AEF12 & ENGINE MODEL JU4H-UF20 COMBINATION

DT 4854011  
Rev. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

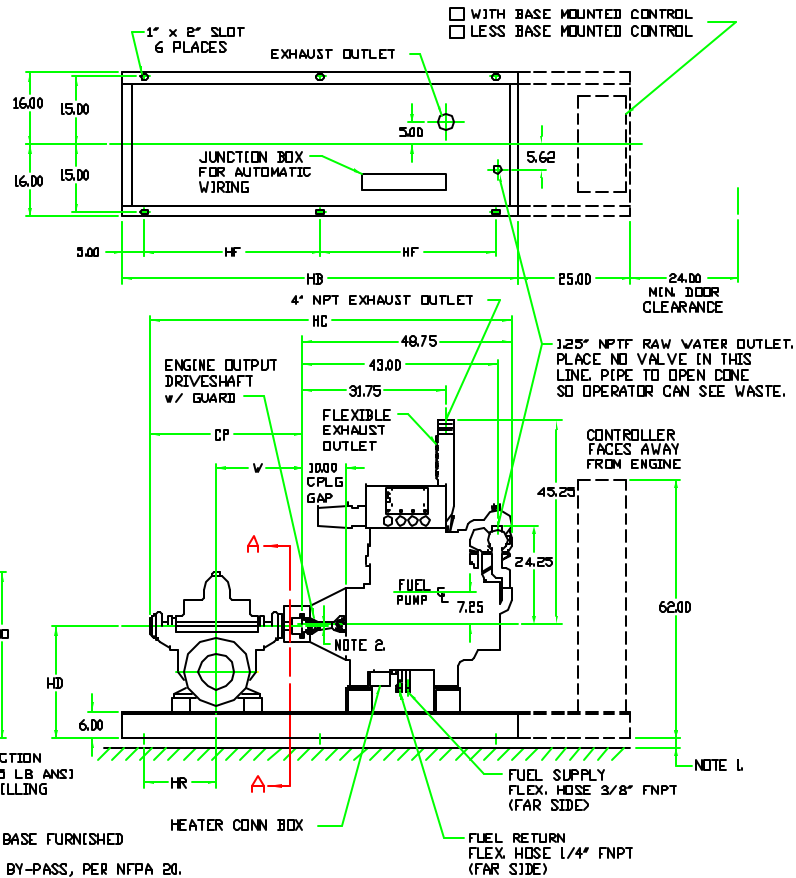
Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)					
			HD	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	With Control
	JU4H-UF30, 32, 34	4AEF12	78	76.75	20	34	28.62	9.00	409	935	712	1720	2432
	JU4H-UF34	5AEF11	79	77.75	21	34	29.00	9.00	409	935	712	1724	2436
	JU4H-UF44	5AEF11	78	77.75	21	34	29.00	9.00	409	935	712	1724	2436
	JU4H-UF34	5AEF12	79	77.75	23	34	32.69	9.00	409	935	712	1910	2622
	JU4H-UF44	5AEF12	78	77.75	23	34	32.69	9.00	409	935	712	1910	2622
	JU4H-UF34	5AEF12	79	77.75	23	34	32.69	9.00	409	935	712	1910	2622
	JU4H-UF30, 32	5AEF14	78	79.50	22	34	31.62	7.75	409	935	712	1849	2561
	JU4H-UF40, 42	5AEF14	78	79.50	22	34	31.62	7.75	409	935	712	1849	2561
	JU4H-UF30, 32, 34	5AEF14	78	79.50	22	34	31.62	7.75	409	935	712	1849	2561
	JU4H-UF34	6AEF10	79	77.00	23	34	31.12	9.00	429	935	712	1794	2506
	JU4H-UF44	6AEF10	78	77.00	23	34	31.12	9.00	429	935	712	1794	2506
	JU4H-UF34	6AEF10	78	77.00	23	34	31.12	9.00	429	935	712	1794	2506
	JU4H-UF30, 32, 34	6AEF12	88	82.50	29	39	33.00	16.00	429	935	712	2114	2826
	JU4H-UF40, 42, 44	6AEF12	88	82.50	29	39	33.00	16.00	429	935	712	2114	2826
	JU4H-UF30, 32, 34	6AEF12	88	82.50	29	39	33.00	16.00	429	935	712	2114	2826
	JU4H-UF30, 32	6AEF14	88	80.10	24	39	35.00	17.50	429	935	712	1974	2686
	JU4H-UF40, 42	6AEF14	88	80.10	24	39	35.00	17.50	429	935	712	1974	2686
	JU4H-UF30, 32	6AEF14	88	80.10	24	39	35.00	17.50	429	935	712	1974	2686
	JU4H-UF30, 32	6AEF16	88	82.50	24	39	35.38	16.25	429	935	712	2054	2766
	JU4H-UF40, 42	6AEF16	88	82.50	24	39	35.38	16.25	429	935	712	2054	2766
	JU4H-UF30, 32	6AEF16	88	82.50	24	39	35.38	16.25	429	935	712	2054	2766
	JU4H-UF30, 32	6AEF18	88	84.00	24	39	35.88	15.25	429	935	712	2234	2946
	JU4H-UF40, 42	6AEF18	88	84.00	24	39	35.88	15.25	429	935	712	2234	2946
	JU4H-UF50, 52	6AEF18	88	84.00	24	39	35.88	15.25	429	935	712	2234	2946
	JU4H-UF30, 32	8AEF13	88	80.50	26	39	36.75	17.25	429	935	712	2116	2828
	JU4H-UF40, 42	8AEF13	88	80.50	26	39	36.75	17.25	429	935	712	2116	2828
	JU4H-UF50, 52	8AEF13	88	80.50	26	39	36.75	17.25	429	935	712	2116	2828
	JU4H-UF30, 32	8AEF15	88	82.50	25	39	37.00	16.10	429	935	712	2214	2926
	JU4H-UF40, 42	8AEF15	88	82.50	25	39	37.00	16.10	429	935	712	2214	2926
	JU4H-UF50, 52	8AEF15	88	82.50	25	39	37.00	16.10	429	935	712	2214	2926

CLARKE DIESEL ENGINE JU4H-UF30, 32, 34, 40, 42, 44, 50, 52 & 54 (UL, FM, & cUL)  
HORIZONTAL FIRE PUMPS



X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Junction	Discharge	CP	S	V	X	YY	Z		
	4AEF12	5	4	28.01	6.50	16.00	10.25	12.50	7.75	376	
	5AEF11	6	5	29.01	6.75	16.00	12.00	13.00	6.75	380	
	5AEF12	6	5	29.01	8.00	16.00	13.00	14.00	8.50	566	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505	
	6AEF10	8	6	30.25	7.50	16.00	10.25	13.00	6.75	450	
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610	
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870	
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.10	752	
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.10	850	

NOTES: 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FROM .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF 2. UNIT INSTALLATION AND FINAL DRIVESHAFT ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR.

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.38 ±0.18 INCH 0.35 ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.

4. ALL DIMENSIONS ARE IN INCHES.

SCALE NOTE: DRAWING IS TO SCALE FOR PUMP MODEL 8AEF15 & ENGINE MODEL JU4H-UF50 COMBINATION

DT 4854012  
Rev. 12-01

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

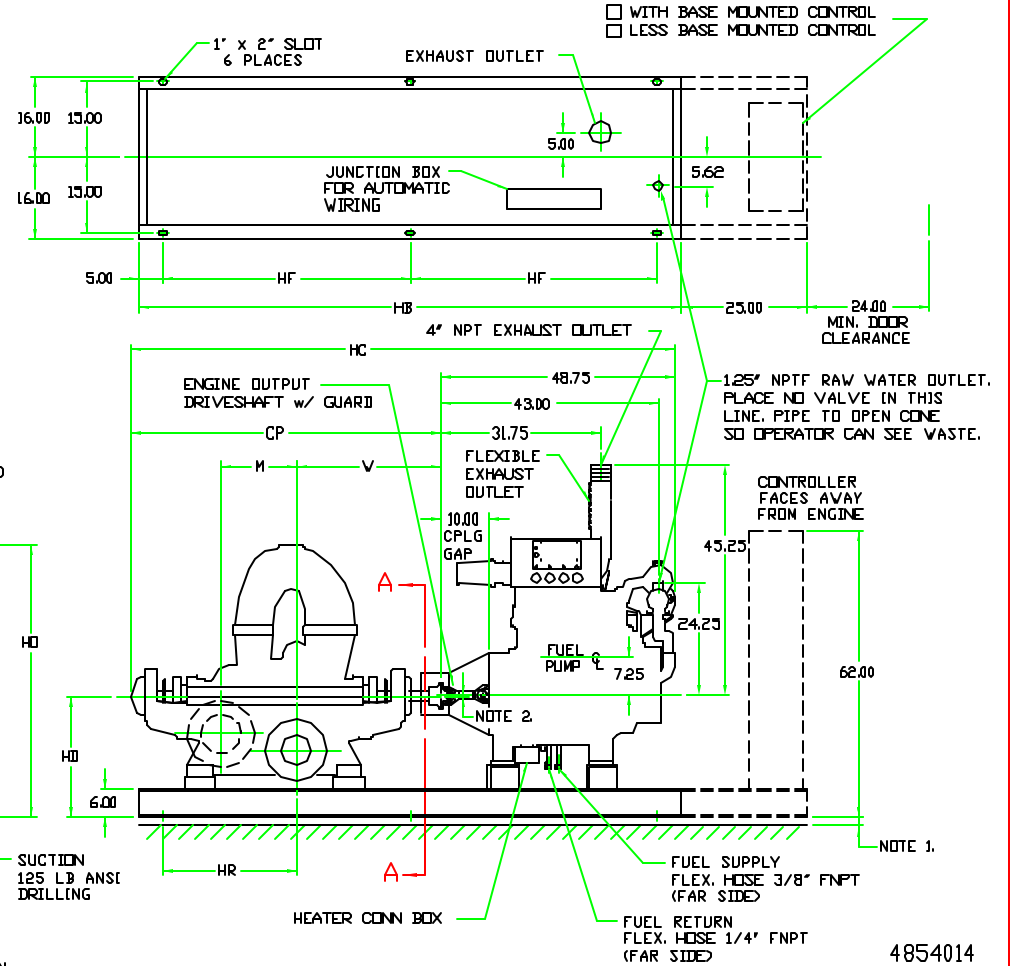
Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone: 317-925-9661  
Fax: 317-924-7388

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	
												Less Contra	With Contra
	JU4H-UF30, 32	4TUF5	88	94.1E	21	39	35.00	13.3B	429	935	712	2514	3E26
	JU4H-UF40, 42	4TUF5	88	94.1E	21	39	35.00	13.3B	429	935	712	2514	3E26
	JU4H-UF50, 52	4TUF5	88	94.1E	21	39	35.00	13.3B	429	935	712	2514	3E26
	JU4H-UF34	4TUF11	98	97.00	23	44	36.50	22.50	449	935	712	2772	3484
	JU4H-UF44	4TUF11	98	97.00	23	44	36.50	22.50	449	935	712	2772	3484
	JU4H-UF54	4TUF11	98	97.00	23	44	36.50	22.50	449	935	712	2772	3484
	JU4H-UF30, 32	5TUF7	98	96.62	23	44	51.50	21.50	449	935	712	2984	3696
	JU4H-UF40, 42	5TUF7	98	96.62	23	44	51.50	21.50	449	935	712	2984	3696
	JU4H-UF50, 52	5TUF7	98	96.62	23	44	51.50	21.50	449	935	712	2984	3696
	JU4H-UF34	5TUF13B	98	104.75	2E	44	48.75	18.12	449	935	712	3234	3946
	JU4H-UF44	5TUF13B	98	104.75	2E	44	48.75	18.12	449	935	712	3234	3946
	JU4H-UF54	5TUF13B	98	104.75	2E	44	48.75	18.12	449	935	712	3234	3946
	JU4H-UF30, 32	6TUF10	108	110.00	24	49	53.88	26.38	469	935	712	3754	4466
	JU4H-UF40, 42	6TUF10	108	110.00	24	49	53.88	26.38	469	935	712	3754	4466
	JU4H-UF50, 52	6TUF10	108	110.00	24	49	53.88	26.38	469	935	712	3754	4466

CLARKE DIESEL ENGINE JU4H-UF30, 32, 34, 40, 42, 44, 50, 52 & 54 (UL, FM, & cUL)  
HORIZONTAL FIRE PUMPS



X	Pump Model	Flange Size (Flat Faced)	Pump Dimensions							Pump Weight Lbs.	
			Suction	Discharge	CP	M	S	W	X		YY
	4TUF5	5	4	45.3B	11.12	3.50	21.62	14.00	14.00	9.00	1150
	4TUF11	6	4	49.25	14.25	7.50	22.50	14.00	14.00	7.50	1388
	5TUF7	6	5	49.8B	12.81	6.00	23.50	16.00	16.00	10.00	1600
	5TUF13B	6	5	56.00	12.81	7.00	26.88	15.00	15.00	8.75	1850
	6TUF10	8	6	61.25	15.00	7.50	28.62	18.00	16.00	10.75	2330

- NOTES: 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FROM .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
2. UNIT INSTALLATION AND FINAL DRIVESHAFT ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR.
- CAUTION
- THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.25 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.33 INCH RIGHT OR LEFT REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.
3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
4. ALL DIMENSIONS ARE IN INCHES.
- SCALE NOTE: DRAWING IS TO SCALE FOR PUMP MODEL 6TUF10 & ENGINE MODEL JU4H-UF40 COMBINATION

4854014  
Rev. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project	Capacity:	Engine Supplier: CLARKE
Customer:	Total Pressure:	Engine Model:
Item / P.D. No:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF30 (UL, FM, & cUL)

(formerly JDFF-06WA)  
HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs)				
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit	
												Less Control	With Control
	JW6H-UF30	6AEF14	88	93.00	24	39	35.0	7.50	370	2012	725	2992	3717
	JW6H-UF30	6AEF16	88	95.50	25	39	36.38	6.25	370	2012	725	3072	3797
	JW6H-UF30	6AEF18	88	97.00	24	39	35.88	5.25	370	2012	725	3252	3977
	JW6H-UF30	8AEF13	88	95.50	25	39	37.0	6.00	370	2012	725	3232	3957
	JW6H-UF30	8AEF17	88	97.00	27	39	40.88	5.25	370	2012	725	3392	4117
	JW6H-UF30	8AEF20	98	104.50	28	44	42.88	11.00	390	2012	725	3712	4437
	JW6H-UF30	10AEF16	98	104.50	28	44	41.38	11.00	390	2012	725	3862	4587
	JW6H-UF30	10AEF20	98	108.00	30	44	45.88	9.00	390	2012	725	4012	4737

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870
	8AEF13	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000

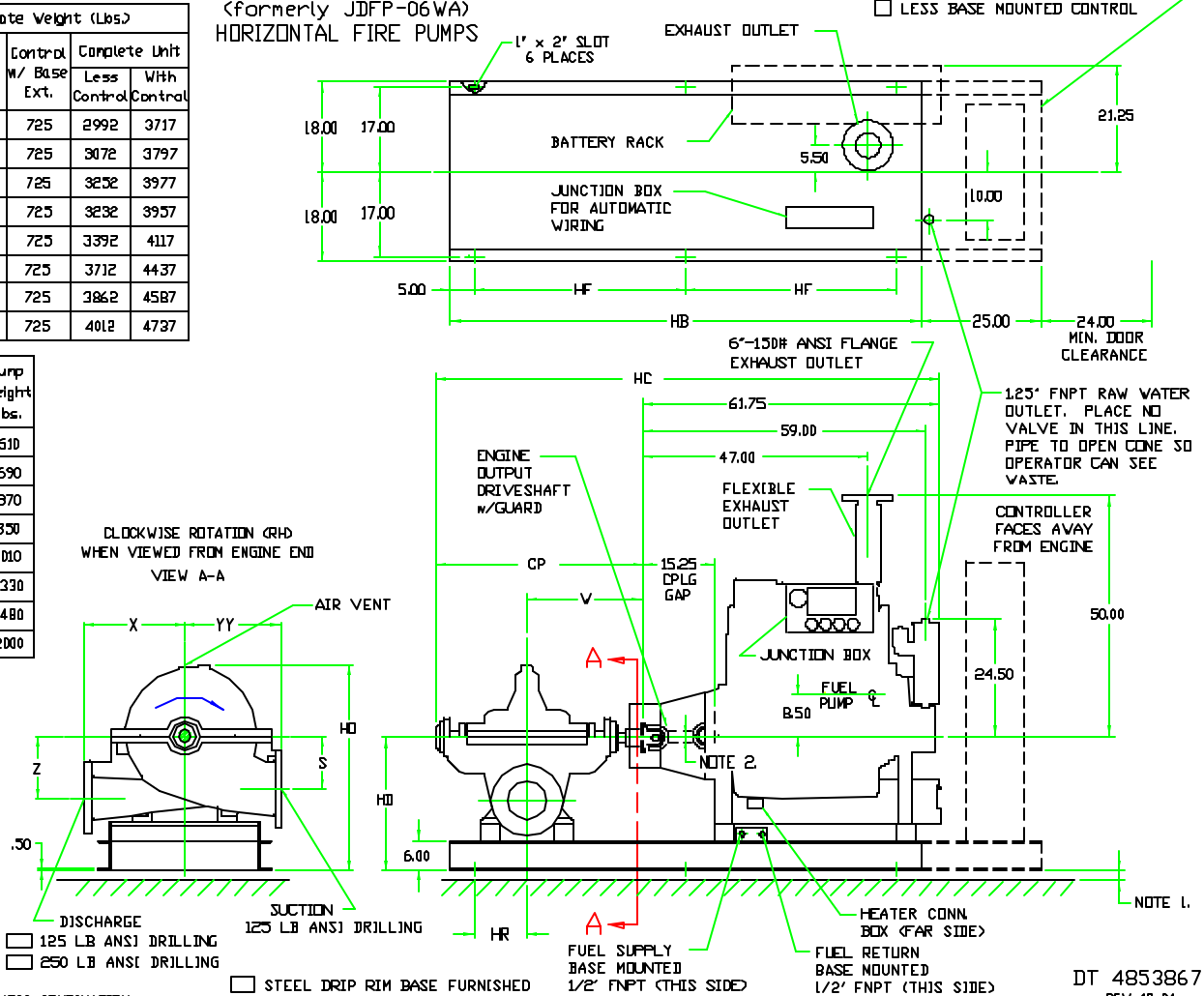
- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL JW6H-UF30 COMBINATION



DT 4853867  
REV. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF30
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone: 317-925-9661  
Fax: 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF30 (UL, FM, & cUL)  
(formerly JDFP-06WA)  
HORIZONTAL FIRE PUMPS

WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs)				
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit	
												Less Control	With Control
	JV6H-UF30	STUF7	108	111.50	24	49	52.50	21.50	410	2012	725	4057	4782
	JV6H-UF30	STUTF16	118	125.61	30	54	62.38	19.69	430	2012	725	5343	6068
	JV6H-UF30	6TUF10	118	122.86	24	34	58.73	26.38	430	2012	725	4822	3347
	JW6H-UF30	8TUF15	118	132.61	26	54	55.88	21.75	430	2012	725	6042	6767

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Suction	Discharge	CP	M	S	V	X	YY	Z	
	STUF7	6	5	49.88	12.81	6.00	23.50	16.00	16.00	10.00	1635
	STUTF16	6	5	64.00	12.81	6.00	35.38	16.00	16.00	10.75	2900
	6TUF10	8	6	61.25	15.00	7.50	28.62	18.00	16.00	10.75	2380
	8TUF15	10	8	71.00	16.50	8.50	33.25	20.00	18.00	11.50	3600

NOTES:

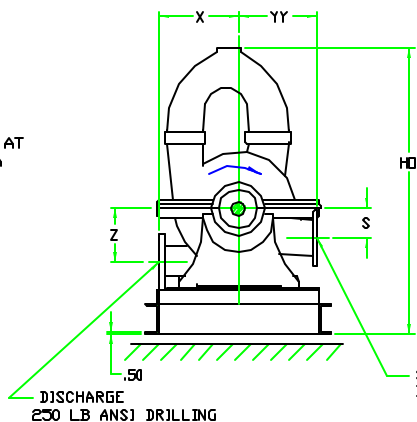
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
- UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

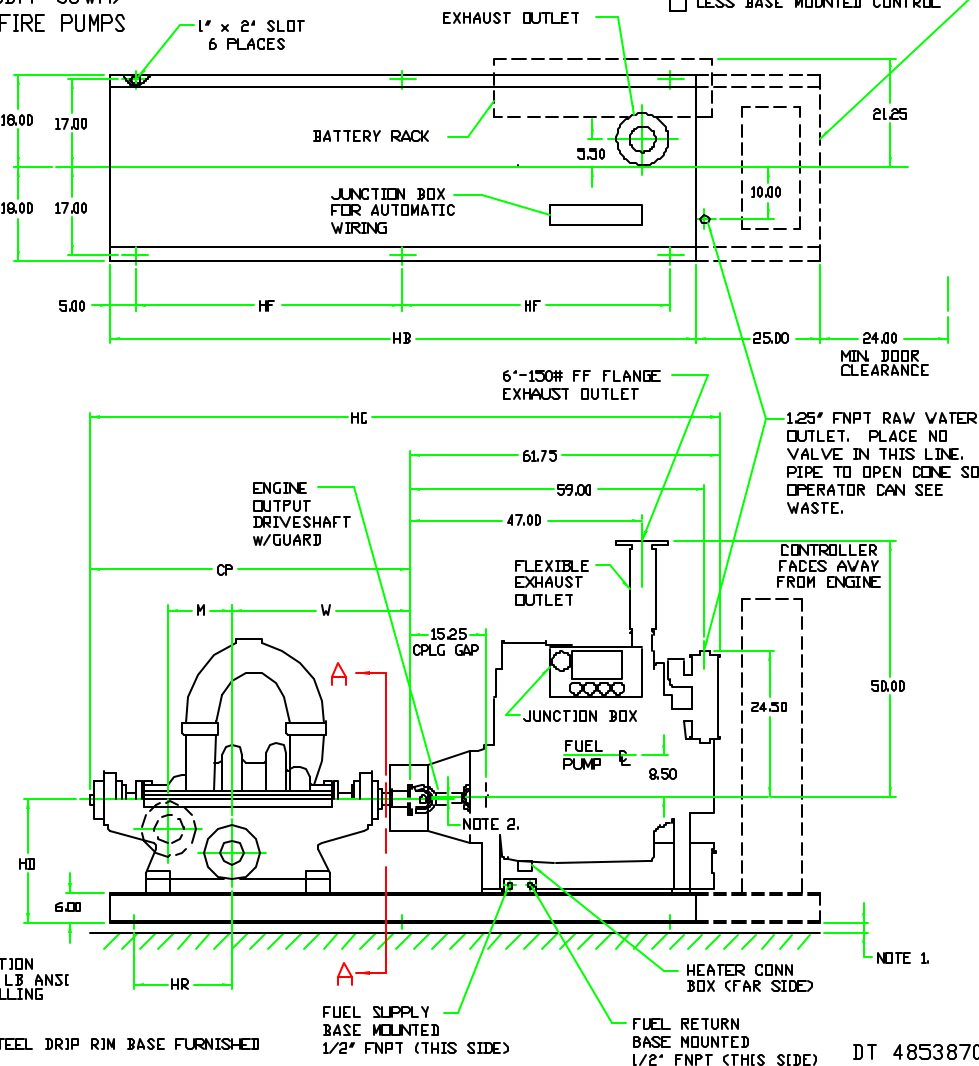
THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES

CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END  
VIEW A-A



STEEL DRIP RIM BASE FURNISHED



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL STUTF16 & ENGINE MODEL JW6H-UF30 COMBINATION.

DT 4853870  
REV. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF30
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation:	SD No.:	CLOCKWISE (Right Hand)



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF60 (UL, FM, & cUL)

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control w/ Base Ext.	Complete Unit	
												Less Control	With Control
	JW6H-UF60	6AEF18	8B	97.00	24	39	35.88	5.25	370	2053	7E5	3293	4018
	JW6H-UF60	8AEF15	8B	93.50	25	39	37.00	6.00	370	2053	7E5	3273	3998
	JW6H-UF60	8AEF17	8B	97.00	27	39	40.88	5.25	370	2053	7E5	3433	4153
	JW6H-UF60	8AEF20	9B	104.50	28	44	42.88	11.00	390	2053	7E5	3773	4498
	JW6H-UF60	10AEF16	9B	104.50	28	44	41.38	11.00	390	2053	7E5	3923	4648
	JW6H-UF60	10AEF20	9B	108.00	30	44	45.88	9.00	390	2053	7E5	4443	5168
	JW6H-UF60	12AF19	11B	127.75	28	54	42.6E	19.00	430	2053	7E5	4861	5586

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z		
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870	
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850	
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010	
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330	
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480	
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000	
	12AF19	14	12	66.12	12.00	36.00	28.00	24.00	13.50	2378	

- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

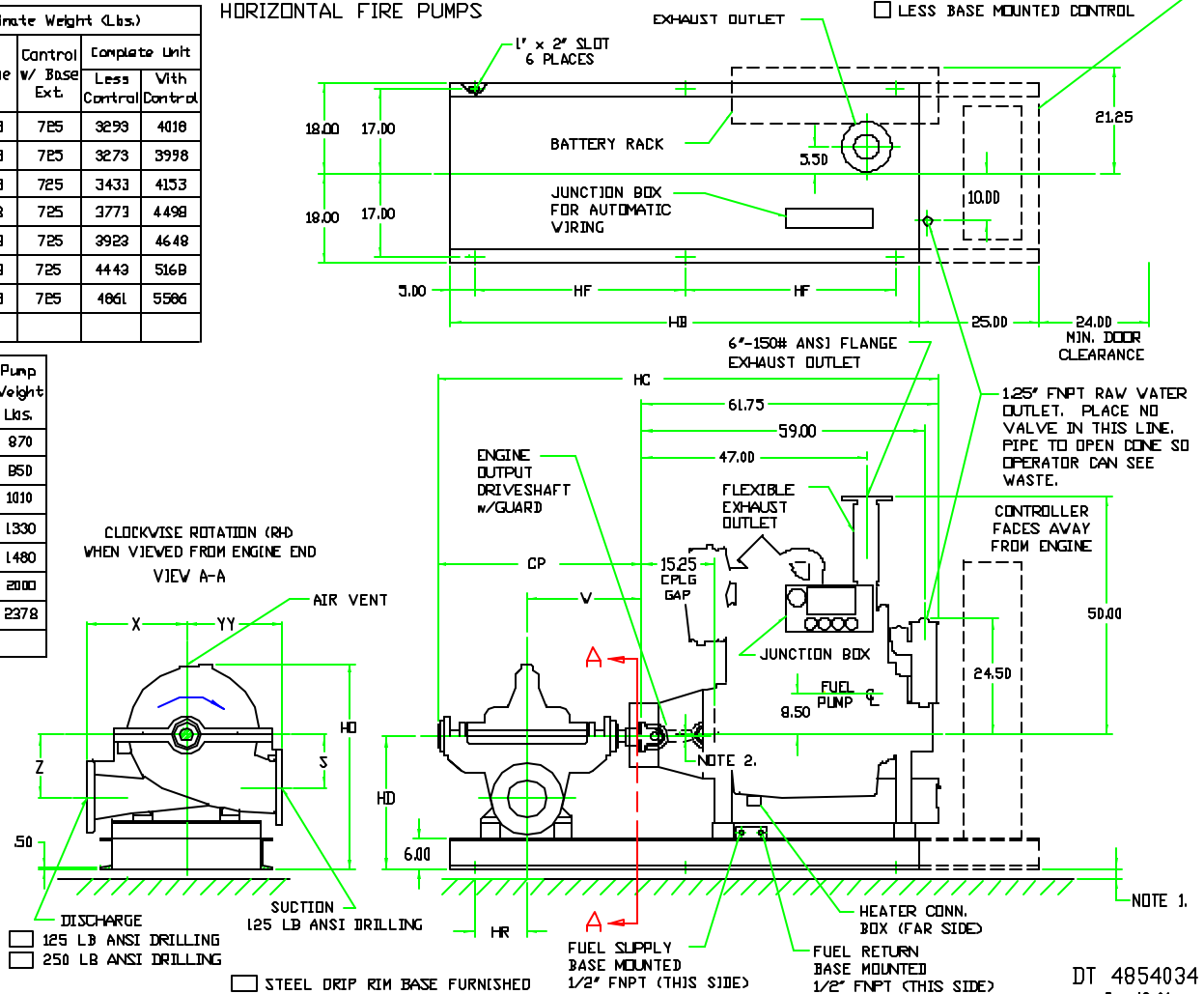
CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL JW6H-UF60 COMBINATION

HORIZONTAL FIRE PUMPS



- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL

Certified for:	<input type="checkbox"/> Approval <input type="checkbox"/> Construction	By: _____ Date: _____	Listed: <input type="checkbox"/> UL <input type="checkbox"/> FM
Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF60
Item / P.I. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
 P.O. Box 7026 (Indianapolis, IN 46207-7026)  
 Phone : 317-925-9661  
 Fax : 317-924-7388

DT 4854034  
 Rev. 12-04

CLARKE DIESEL ENGINES JU6H-UF30, 32 & 34 (UL, FM & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	
												Less Control	With Control
	JU6H-UF30, 32	4AEF12	88	90.75	20	39	28.62	9.00	429	1657	712	2462	3174
	JU6H-UF34	5AEF12	88	91.75	23	39	32.69	9.00	429	1657	712	2652	3364
	JU6H-UF30, 32	5AEF14	88	93.50	22	39	31.62	7.75	429	1657	712	2591	3303
	JU6H-UF30, 32, 34	6AEF12	98	96.50	23	44	33.0	16.00	449	1657	712	2856	3568
	JU6H-UF30, 32	6AEF14	98	94.00	24	44	35.0	17.50	449	1657	712	2716	3428
	JU6H-UF30, 32	6AEF16	98	96.50	24	44	35.38	16.25	449	1657	712	2796	3508
	JU6H-UF30, 32	6AEF18	98	98.00	24	44	35.88	15.25	449	1657	712	2976	3688
	JU6H-UF30, 32	8AEF13	98	94.50	26	44	36.75	17.25	449	1657	712	2858	3570
	JU6H-UF30, 32	8AEF15	98	96.50	25	44	37.0	16.00	449	1657	712	2956	3668
	JU6H-UF30, 32	8AEF17	98	98.00	27	44	40.88	15.25	449	1657	712	3116	3828
	JU6H-UF30, 32	8AEF20	98	105.50	24	44	38.88	11.00	449	1657	712	3436	4148

X	Pump Model	Flange Size (Flat Face)		Pump Dimensions							Pump Weight Lbs.
		Section	Inch	CP	S	W	X	YY	Z		
										CP	
	4AEF12	5	4	28.00	6.50	16.00	10.25	12.50	7.75	376	
	5AEF12	6	5	29.00	8.00	16.00	13.00	14.00	8.50	566	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505	
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610	
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870	
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752	
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850	
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010	
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330	

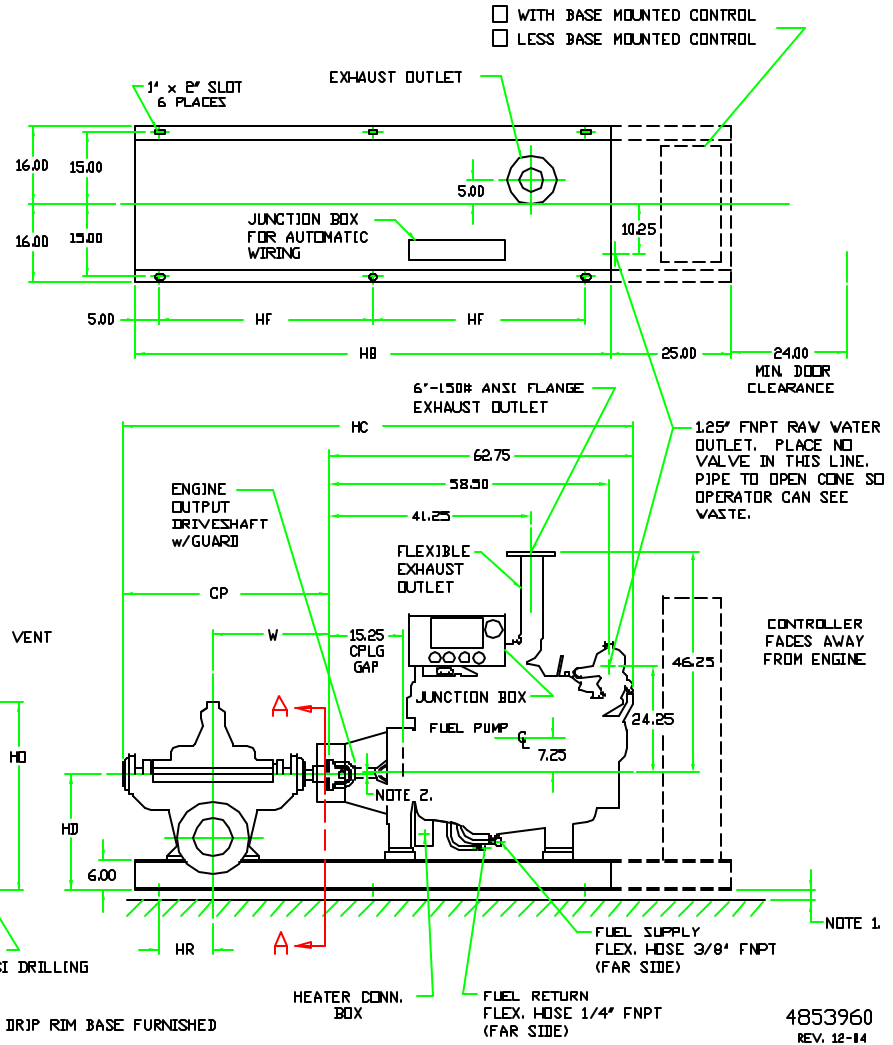
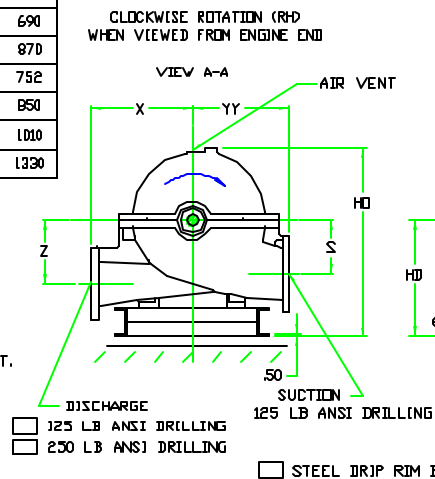
- NOTES: 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
4. ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL JU6H-UF30 COMBINATION



4853960  
REV. 12-14

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation:	SD No.:	
			CLOCKWISE (Right Hand)



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388



CLARKE DIESEL ENGINES JU6H-UF50, 52 & 54 CUL, FM & CUL)

HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control n/ Base Ext.	Complete Unit w/ Pump	
												Less Control	With Control
	JU6H-UF50, 52	4AEF12	66	90.75	20	39	EB6E	9.00	429	1657	712	246E	3174
	JU6H-UF50, 52	5AEF14	66	93.50	22	39	3L6E	7.75	429	1657	712	2591	3303
	JU6H-UF50, 52, 54	6AEF12	98	96.50	23	44	33.0	16.00	449	1657	712	2856	3568
	JU6H-UF50, 52	6AEF14	98	94.00	24	44	35.0	17.50	449	1657	712	2716	3428
	JU6H-UF50, 52	6AEF16	98	96.50	24	44	35.38	16.23	449	1657	712	2796	3508
	JU6H-UF50, 52	6AEF18	98	98.00	24	44	35.88	15.25	449	1657	712	2976	3668
	JU6H-UF50, 52	8AEF13	98	94.50	26	44	36.75	17.25	449	1657	712	2858	3570
	JU6H-UF50, 52	8AEF15	98	96.50	25	44	37.0	16.00	449	1657	712	2956	3668
	JU6H-UF50, 52	8AEF17	98	98.00	27	44	40.88	15.25	449	1657	712	3116	3828
	JU6H-UF50, 52	8AEF20	98	105.50	24	44	38.88	11.00	449	1657	712	3436	4148

X	Pump Model	Flange Size (Flat Face)		Pump Dimensions							Pump Weight Lbs.
		Inch	Discharge	CP	S	W	X	YY	Z		
										Discharge	
	4AEF12	5	4	28.00	6.50	16.00	10.25	12.50	7.75	376	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505	
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610	
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870	
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752	
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	830	
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1000	
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330	

NOTES:

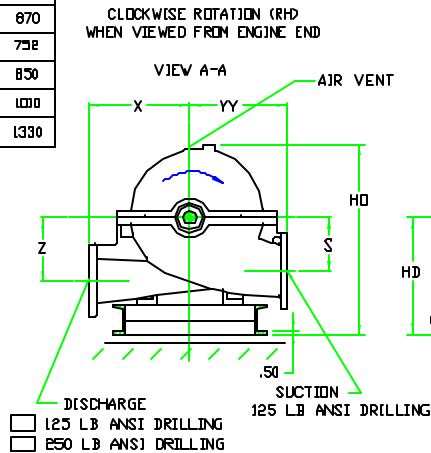
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
- UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

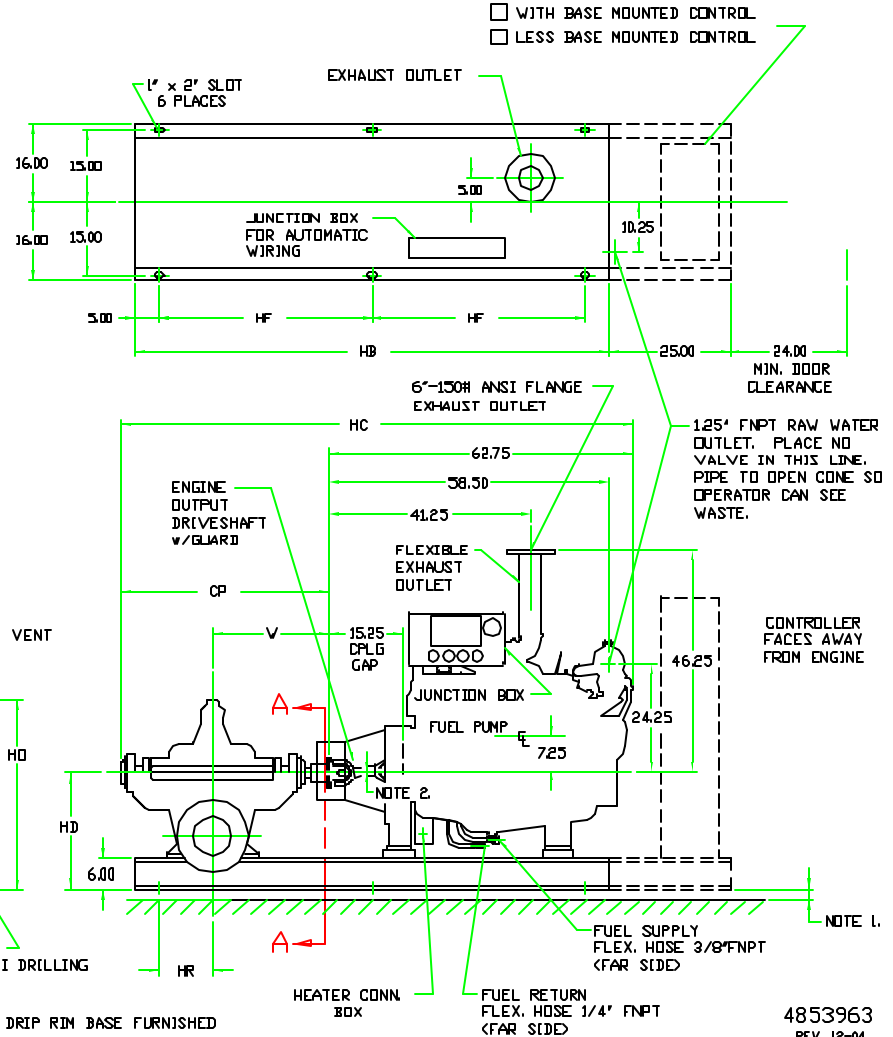
THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL JU6H-UF50 COMBINATION



125 LB ANSI DRILLING  
 250 LB ANSI DRILLING  
 STEEL DRIP RIM BASE FURNISHED



4853963  
REV. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
 P.O. Box 7026 Indianapolis, IN 46207-7026  
 Phone : 317-925-9661  
 Fax : 317-924-7388

CLARKE DIESEL ENGINES JU6H-UF50 & 52 (UL, FM & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	
												Less Control	With Control
	JU6H-UF50, 52	4AEF12	88	90.75	20	39	28.62	9.00	429	1657	712	2462	3174
	JU6H-UF50, 52	5AEF14	88	93.50	22	39	31.62	7.75	429	1657	712	2591	3303
	JU6H-UF50, 52	6AEF12	98	96.50	23	44	33.0	16.00	449	1657	712	2856	3568
	JU6H-UF50, 52	6AEF14	98	94.00	24	44	35.0	17.50	449	1657	712	2716	3428
	JU6H-UF50, 52	6AEF16	98	96.50	24	44	35.38	16.25	449	1657	712	2796	3508
	JU6H-UF50, 52	6AEF18	98	98.00	24	44	35.88	15.25	449	1657	712	2976	3688
	JU6H-UF50, 52	8AEF13	98	94.50	26	44	36.75	17.25	449	1657	712	2858	3570
	JU6H-UF50, 52	8AEF15	98	96.50	25	44	37.0	16.00	449	1657	712	2956	3668
	JU6H-UF50, 52	8AEF17	98	98.00	27	44	40.88	15.25	449	1657	712	3116	3828
	JU6H-UF50, 52	8AEF20	98	105.50	24	44	38.88	11.00	449	1657	712	3436	4148

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z		
										CP	
	4AEF12	5	4	28.00	6.50	16.00	10.25	12.50	7.75	376	
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505	
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610	
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870	
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752	
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850	
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010	
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330	

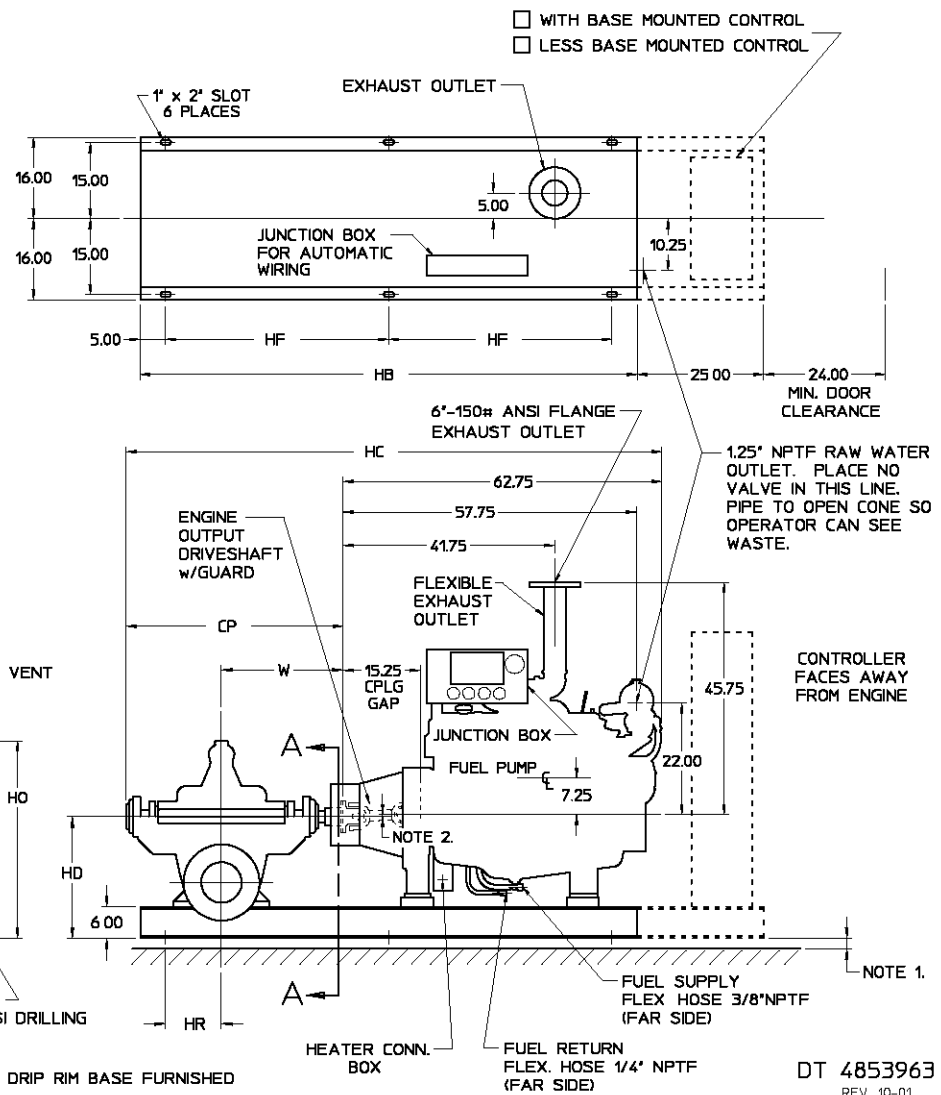
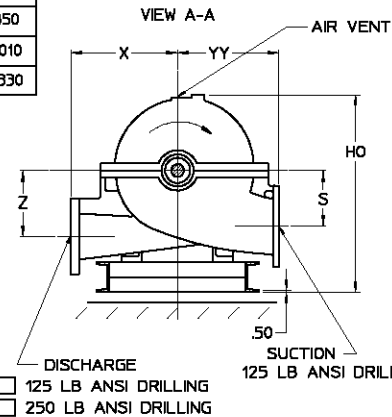
- NOTES:  
1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
4. ALL DIMENSIONS ARE IN INCHES

CLOCKWISE ROTATION (RH) WHEN VIEWED FROM ENGINE END



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL JU6H-UF50 COMBINATION.

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CLARKE
Customer:	Total Pressure:	Engine Model:
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SO No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

DT 4853963  
REV. 10-01

CLARKE DIESEL ENGINES JU6H-UF60, 62 & 84 (UL, FM & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)						
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	Less Control	With Control
	JU6H-UF60, 62	6AEF12	88	90.75	20	39	28.62	9.00	429	1693	712	2498	3200	
	JU6H-UF60, 62	6AEF14	88	93.00	22	39	31.62	7.75	429	1693	712	2627	3339	
	JU6H-UF60, 62	6AEF12	98	96.00	23	44	33.0	16.00	449	1693	712	2892	3604	
	JU6H-UF60, 62	6AEF14	98	98.00	24	44	35.88	13.25	449	1693	712	3012	3724	
	JU6H-UF60, 62	6AEF16	98	98.00	24	44	35.88	16.25	449	1693	712	2832	3544	
	JU6H-UF60, 62	6AEF18	98	98.00	24	44	35.88	13.25	449	1693	712	3012	3724	
	JU6H-UF60, 62	6AEF13	98	94.50	26	44	36.75	17.25	449	1693	712	2894	3606	
	JU6H-UF60, 62	6AEF15	98	96.50	25	44	37.0	16.00	449	1693	712	2992	3704	
	JU6H-UF60, 62	6AEF17	98	98.00	27	44	40.88	15.25	449	1693	712	3152	3864	
	JU6H-UF60, 62	6AEF20	98	105.50	24	44	38.88	11.00	449	1693	712	3472	4184	

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Inlet	Discharge	CP	S	W	X	YY	Z		
	6AEF12	5	4	28.00	6.50	16.00	10.25	18.50	7.75	376	
	6AEF14	6	5	30.75	7.00	17.25	14.00	13.00	8.50	505	
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610	
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	670	
	6AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752	
	6AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850	
	6AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010	
	6AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330	

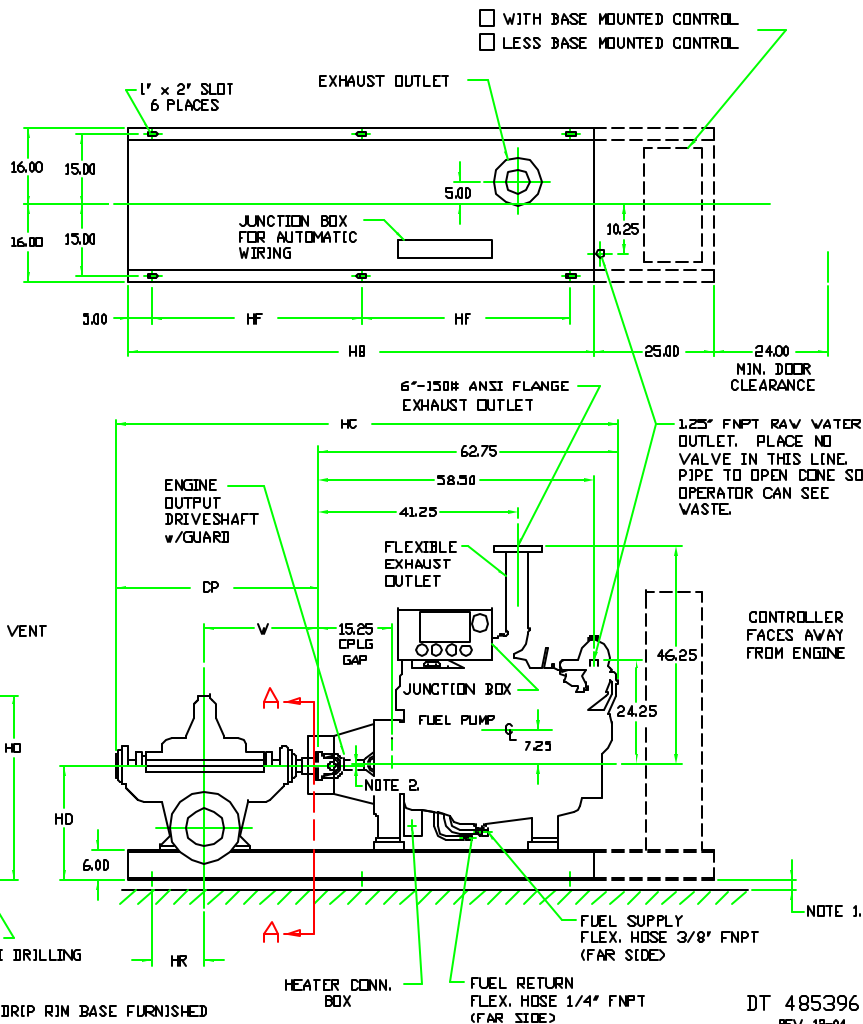
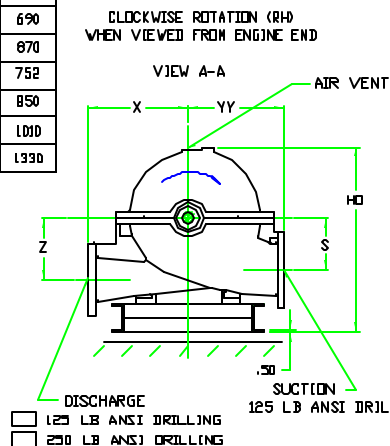
- NOTES:  
1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
4. ALL DIMENSIONS ARE IN INCHES

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 6AEF20 & ENGINE MODEL JU6H-UF60 COMBINATION.



Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

DT 4853966  
REV. 12-04

CLARKE DIESEL ENGINES JU6H-UF30, 32 & 34 (UL, FM & cUL)

HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	
												Less Control	With Control
	JU6H-UF34	4THF15	88	98.23	20	39	44.00	5.31	429	1637	712	2659	3371
	JU6H-UF34	5THF12	88	98.25	21	39	40.00	5.31	429	1657	712	2681	3393
	JU6H-UF30, 32, 34	5THF15	98	98.25	22	44	47.25	15.31	449	1657	712	2800	3512
	JU6H-UF30, 32, 34	6THF13	98	98.23	24	44	45.38	15.31	449	1637	712	2846	3538
	JU6H-UF30, 32	6THF19	98	104.00	28	44	45.75	12.00	449	1657	712	3451	4169
	JU6H-UF34	8THF14D	98	104.00	28	44	53.25	12.00	449	1637	712	3142	3834
	JU6H-UF34	8THF14E	98	104.00	28	44	53.25	12.00	449	1637	712	3142	3834

X	Pump Model	Flange Size (Flat Faces)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	V	X	YY	Z	
	4THF15	5" (125mm)	4" (100mm)	35.44	7.50	19.69	13.75	13.38	7.50	573
	5THF12	6" (150mm)	5" (125mm)	35.44	6.88	19.69	11.38	13.25	6.88	595
	5THF15	6" (150mm)	5" (125mm)	35.44	8.25	19.69	13.75	8.25	694	
	6THF13	8" (200mm)	6" (150mm)	35.44	9.25	19.69	12.38	14.38	9.25	740
	6THF19	8" (200mm)	6" (150mm)	41.12	10.62	23.00	20.09	17.75	10.62	1345
	8THF14D	10" (250mm)	8" (200mm)	41.12	11.25	23.00	15.19	17.75	11.25	1036
	8THF14E	10" (250mm)	8" (200mm)	41.12	11.25	23.00	15.19	17.75	11.25	1036

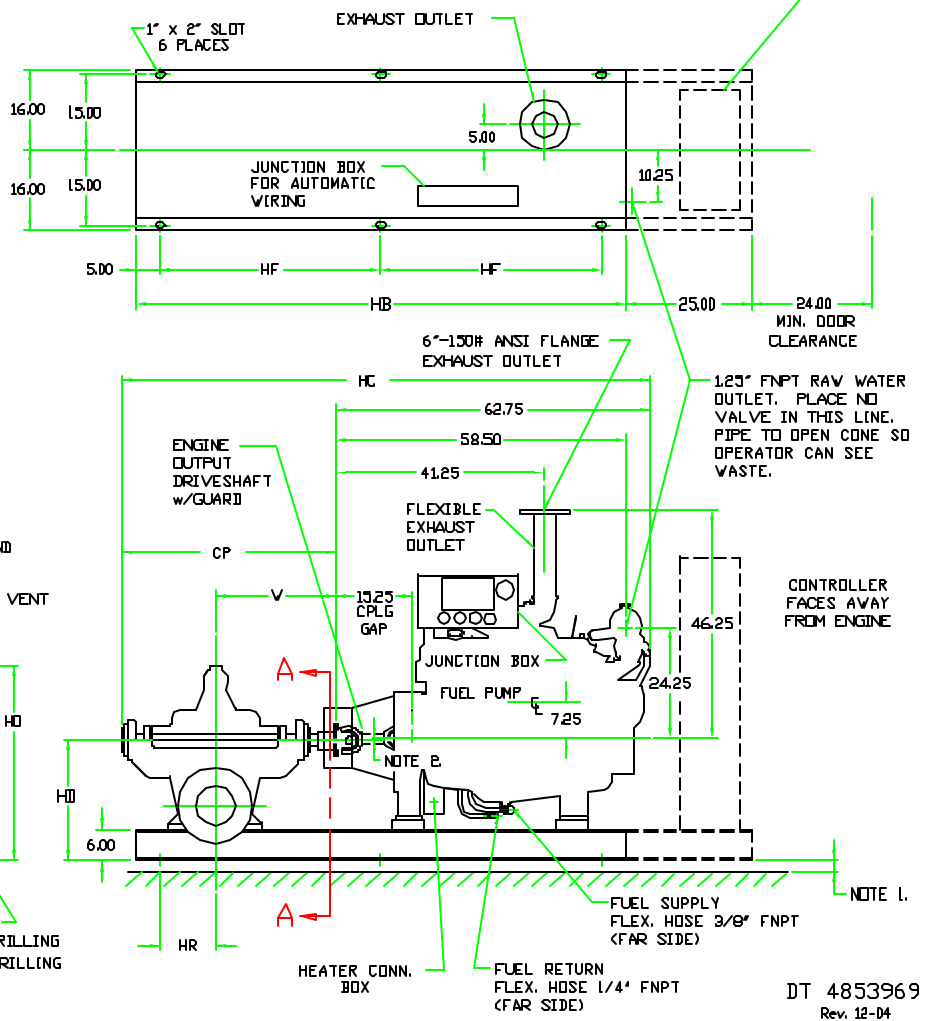
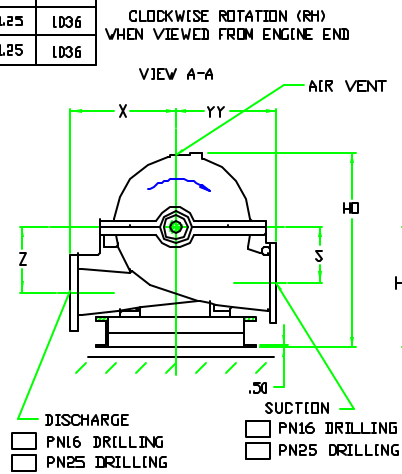
- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES

STEEL DRIP RIM BASE FURNISHED



DT 4853969 Rev. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CLARKE
Customer:	Total Pressure:	Engine Model:
Item / P.I. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

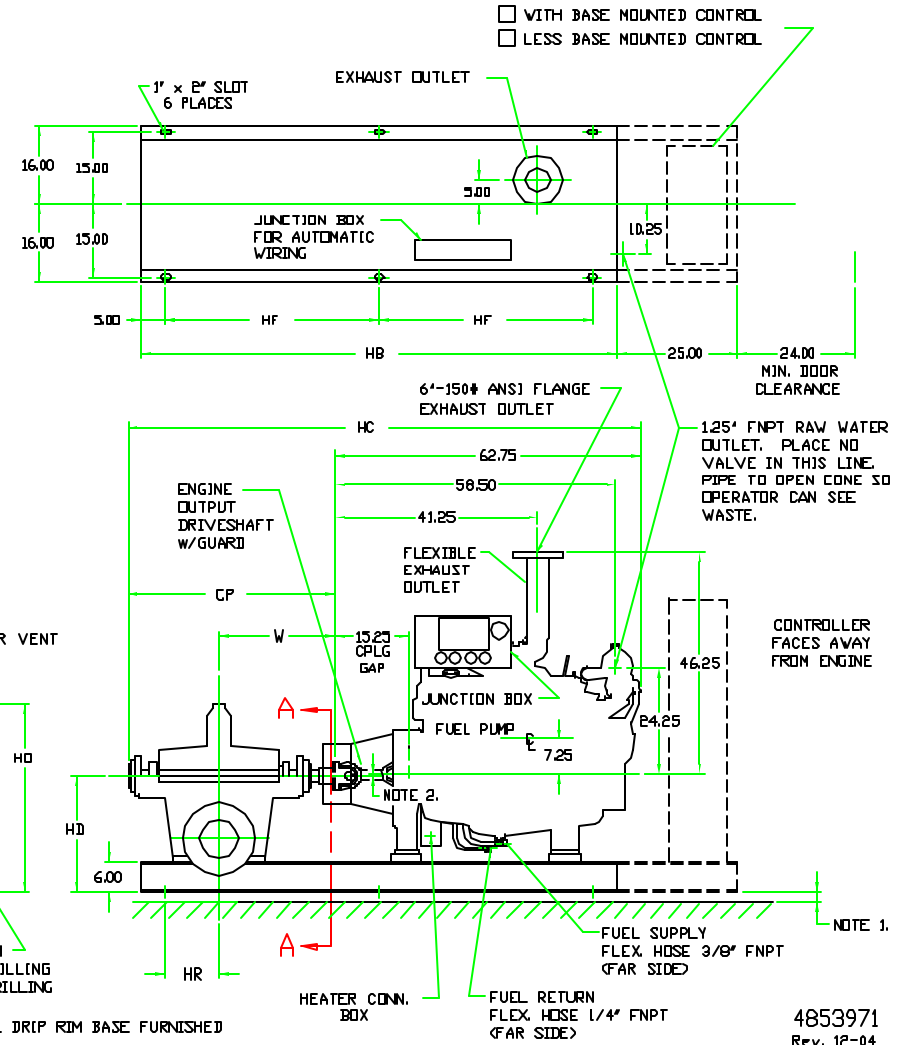
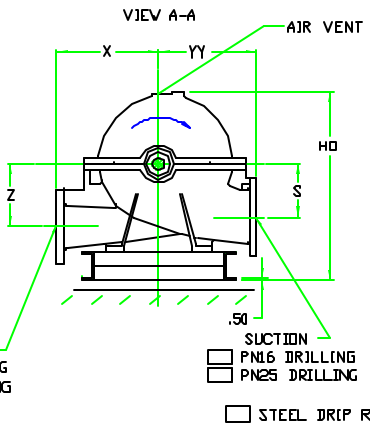
CLARKE DIESEL ENGINES JU6H-UF60, 62 & 84 (UL, FM & cUL)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control w/ Base Ext.	Complete Unit w/ Pump	
												Less Control	With Control
	JU6H-UF60, 62	5THF15	9B	98.25	22	4.4	47.25	15.25	4.49	1693	712	2900	3612
	JU6H-UF64	5THF15	9B	98.25	22	4.4	47.25	15.25	4.49	1693	712	2900	3612
	JU6H-UF64	6THF13	9B	98.25	24	4.4	45.38	15.25	4.49	1693	712	2887	3599
	JU6H-UF60, 62	6THF19	9B	104.00	28	4.4	45.75	12.00	4.49	1693	712	3568	4280
	JU6H-UF64	6THF19	9B	104.00	28	4.4	45.75	12.00	4.49	1693	712	3568	4280
	JU6H-UF64	8THF14D	9B	104.00	28	4.4	33.25	12.00	4.49	1693	712	3271	3983
	JU6H-UF64	8THF14E	9B	104.00	28	4.4	53.25	12.00	4.49	1693	712	3271	3983

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Suction	Discharge	CP	S	V	X	YY	Z		
										CP	
	5THF15	6" (150mm)	5" (125mm)	35.44	8.23	19.75	13.75	15.75	8.23	750	
	6THF13	8" (200mm)	6" (150mm)	35.44	9.23	19.75	12.38	14.38	9.23	745	
	6THF19	8" (200mm)	6" (150mm)	41.12	10.62	23.00	20.12	17.75	10.62	1426	
	8THF14D	10" (250mm)	8" (200mm)	41.12	11.25	23.00	15.19	17.75	11.25	1129	
	8THF14E	10" (250mm)	8" (200mm)	41.12	11.25	23.00	15.19	17.75	11.25	1129	

- NOTES:  
 1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
 2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR
- CAUTION  
 THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.
3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
 4. ALL DIMENSIONS ARE IN INCHES

CLOCKWISE ROTATION (RHD) WHEN VIEWED FROM ENGINE END



4853971  
Rev. 12-04

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CLARKE
Customer:	Total Pressure:	Engine Model:
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:



Peerless Pump Company  
 P.O. Box 7026 Indianapolis, IN 46207-7026  
 Phone : 317-925-9661  
 Fax : 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF40 (UL, FM, & cUL)  
(formerly JDFP-06WR)  
HORIZONTAL FIRE PUMPS

WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

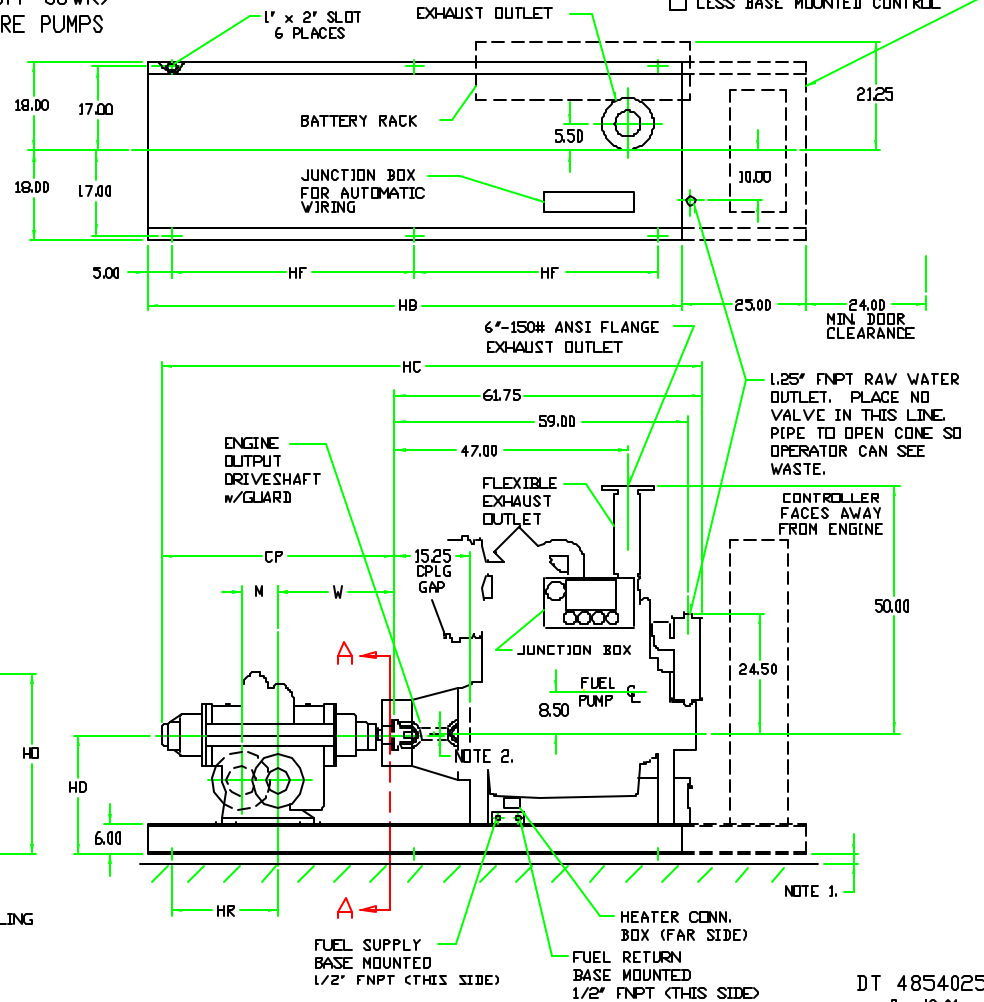
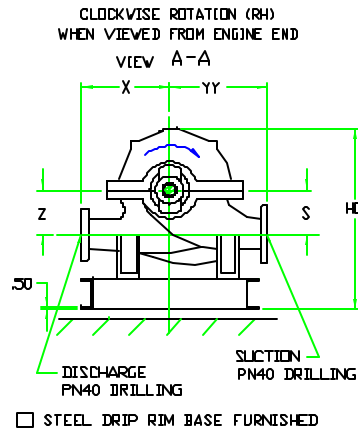
X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit	
												Less Control	With Control
	JW6H-UF40	5TYF16	108	108.25	24	49	36.25	21.38	410	2003	725	3957	4682
	JW6H-UF40	6TYF16	108	108.25	24	49	38.75	21.38	410	2003	725	4088	4813

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.	
		Suction	Discharge	CP	N	S	W	X	YY		Z
	5TYF16	6" (150mm)	3" (75mm)	46.75	7.25	9.00	25.75	17.75	19.75	9.00	1544
	6TYF16	8" (200mm)	6" (150mm)	46.75	6.31	9.00	25.75	15.00	21.25	9.00	1675

- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR.

CAUTION  
THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 5TYF16 & ENGINE MODEL JW6H-UF40 COMBINATION.

DT 4854025  
Rev. 12-04

Certified For:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF40
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF50 (UL, FM, & cUL)  
HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HD	HR	Base	Engine	Control w/ Base Ext.	Complete Unit	
												Less Control	With Control
	JW6H-UF50	6TYF16E	108	108.25	24	49	38.75	21.38	41.0	2053	725	4198	3863

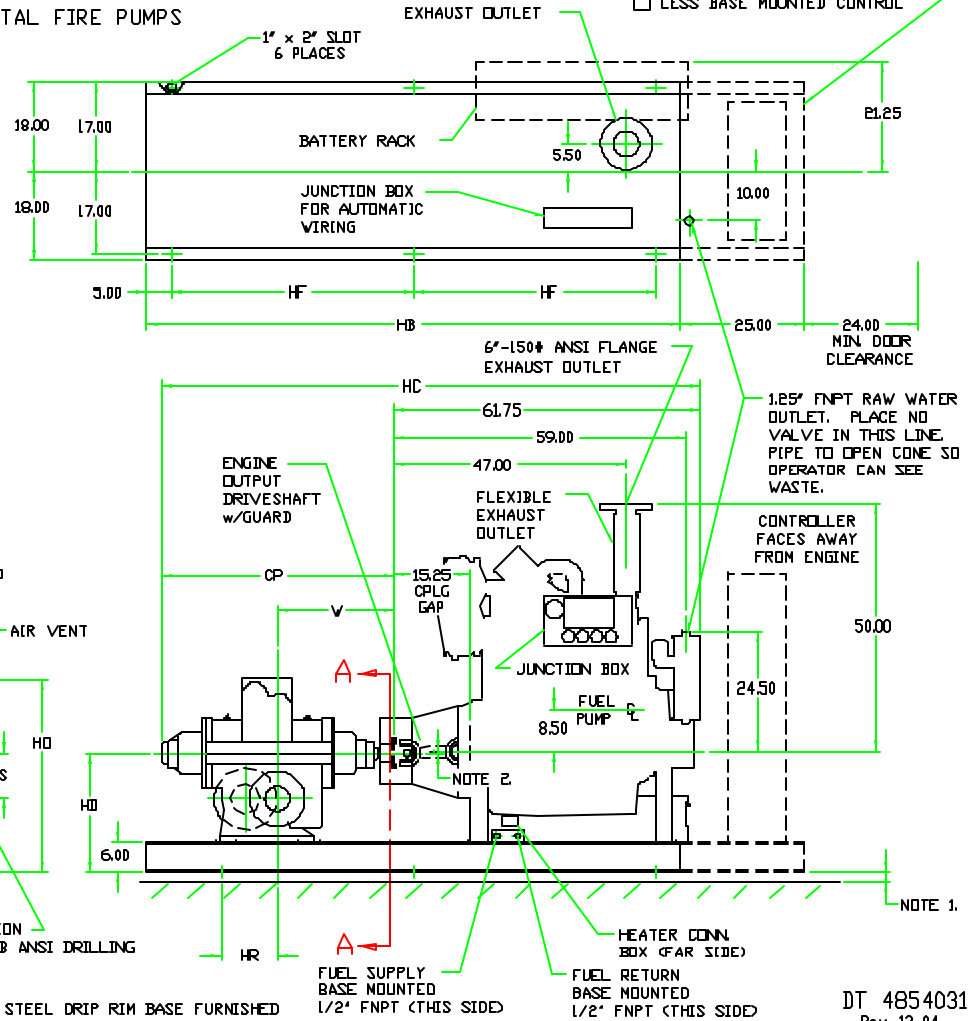
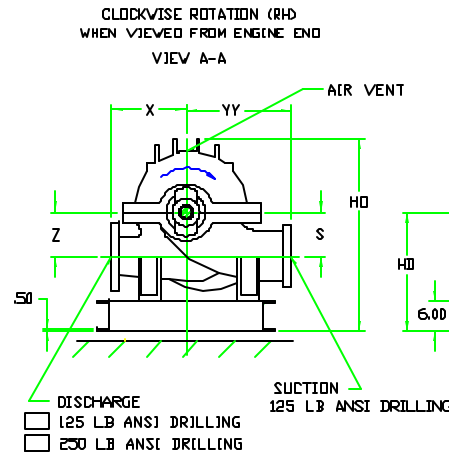
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	V	X	YY	Z	
	6TYF16E	8	6	46.75	9.00	25.75	13.00	21.25	9.00	1673

- NOTES:  
1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.00 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 60.  
4. ALL DIMENSIONS ARE IN INCHES



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 6TYF16E & ENGINE MODEL JW6H-UF50 COMBINATION.

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF40
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation:	SD No.:	
			CLOCKWISE (Right Hand)



Sterling Fluid Systems (USA), Inc.  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone: 317-925-9661  
Fax: 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF60 (UL, FM, & cUL)

HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions							Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control w/ Base Ext.	Complete Unit		
												Less	With Control	
	JW6H-UF60	6TYF16E	108	108.25	24	49	38.75	21.38	41.0	2053	725	4138	3863	

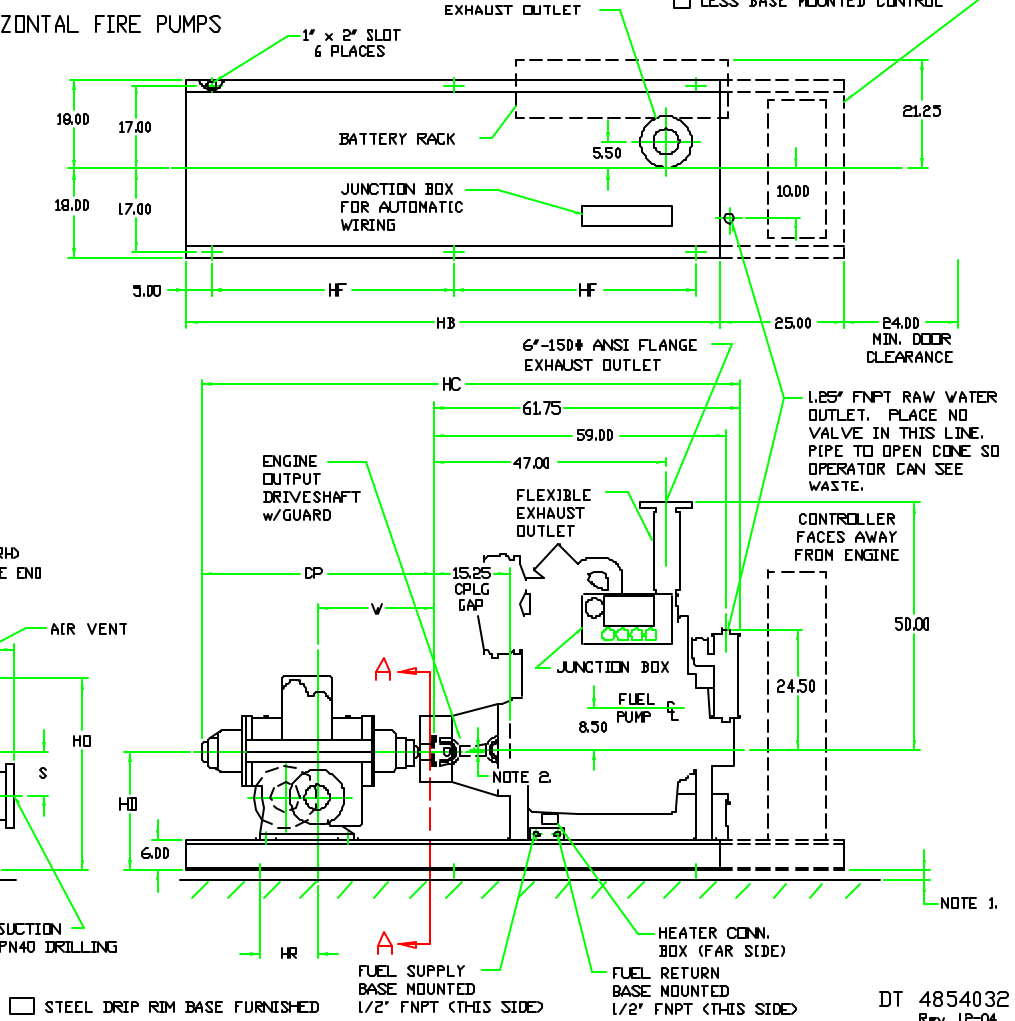
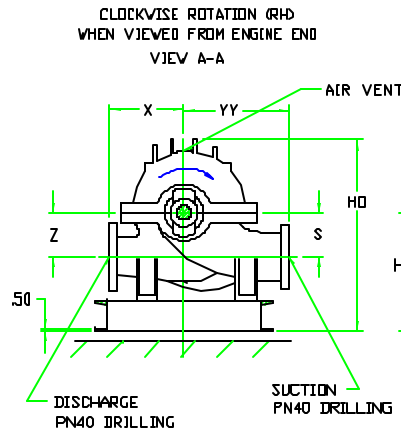
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Suction	Discharge	CP	S	W	X	YY	Z		
	6TYF16E	8" (200 mm)	6" (150 mm)	46.75	9.06	25.75	15.00	21.25	9.06	1675	

- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.35 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

- UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.
- ALL DIMENSIONS ARE IN INCHES



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 6TYF16E & ENGINE MODEL JW6H-UF60 COMBINATION

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF60
Item / P.D. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
 P.O. Box 7026 Indianapolis, IN 46207-7026  
 Phone : 317-925-9661  
 Fax : 317-924-7388

DT 4854032  
 Rev. 12-04



CATERPILLAR DIESEL ENGINE 3406B-DIT (PA0083) & 3406B-DITA (PA0084) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

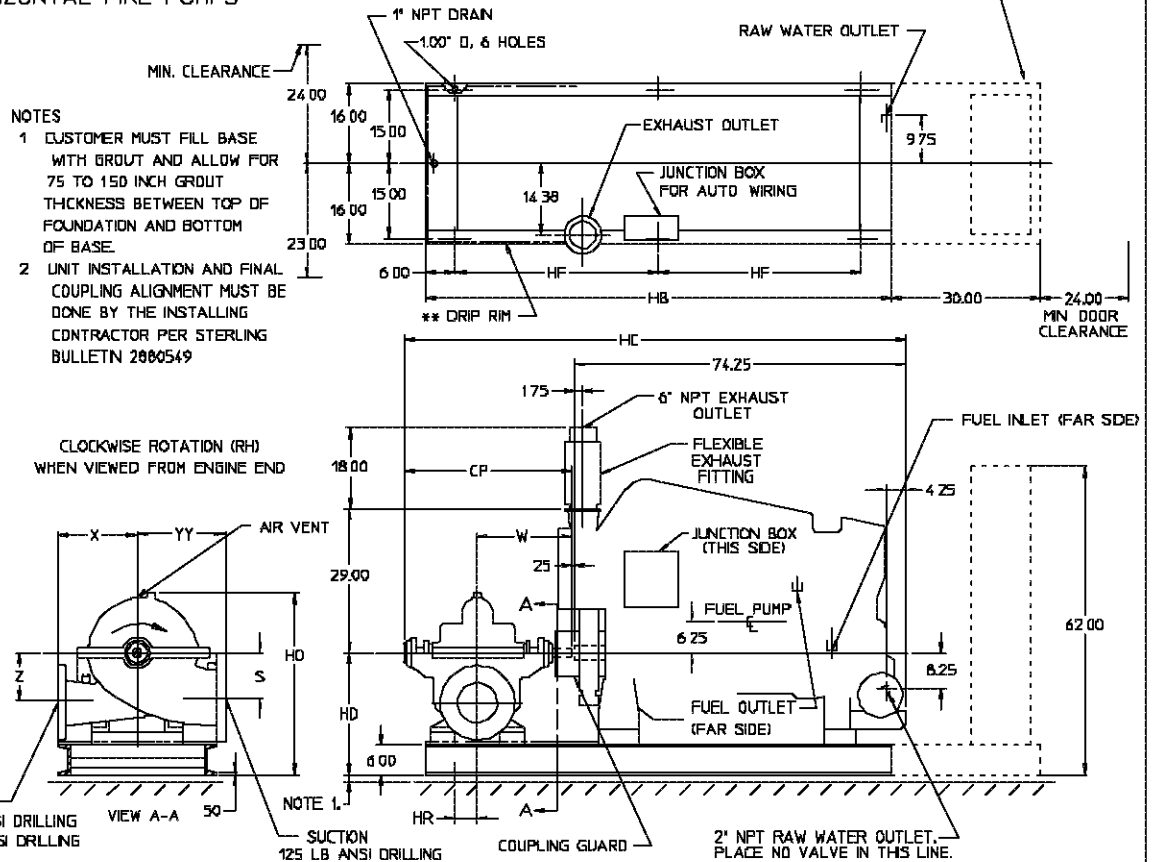
X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
												Less Control	With Control
	3406B-DIT	6AEF18	92	109.75	24	40	36.00	3.00	500	3600	600	4970	5570
	3406B-DIT	8AEF15	94	108.25	24.5	41	36.00	4.50	550	3600	600	5000	5600
	3406B-DIT	8AEF17	94	109.75	26	41	40.00	4.50	550	3600	600	5160	5760
	3406B-DIT	8AEF20	100	117.25	28	44	41.00	6.00	650	3600	600	5580	6180
	3406B-DIT	10AEF16	100	117.25	29	44	42.50	6.00	500	3600	600	5730	6330
	3406B-DITA	6AEF18	92	109.75	24	40	36.00	3.00	500	3600	600	4970	5570
	3406B-DITA	8AEF15	94	108.25	24.5	41	36.00	4.50	550	3600	600	5000	5600
	3406B-DITA	8AEF17	94	109.75	26	41	40.00	4.50	550	3600	600	5160	5760
	3406B-DITA	8AEF20	100	117.25	28	44	41.00	6.00	650	3600	600	5580	6180
	3406B-DITA	10AEF16	100	117.25	29	44	42.50	6.00	650	3600	600	5730	6330
	3406B-DITA	10AEF20	104	121.00	29	46	45.00	8.00	700	3600	600	6300	6900

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z		
										HO	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870	
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850	
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010	
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330	
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480	
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000	

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 7" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- DISCHARGE  
 125 LB ANSI DRILLING  
 250 LB ANSI DRILLING

- STEEL NON-DRIP RIM BASE FURNISHED  
 STEEL DRIP RIM BASE FURNISHED  
(\*x SHOWN IN PHANTOM LINE -----)  
ALL DIMENSIONS ARE IN INCHES



- NOTES  
1 CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR 75 TO 150 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2 UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2000549

CLOCKWISE ROTATION (RH) WHEN VIEWED FROM ENGINE END

2" NPT RAW WATER OUTLET. PLACE NO VALVE IN THIS LINE. PIPE TO OPEN CONE SO OPERATOR CAN SEE WASTE.

SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 8AEF15 & ENGINE MODEL 3406B-DIT COMBINATION

DT 4853678  
REV 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project	Capacity	Engine Supplier CATERPILLAR
Customer	Total Pressure	Engine Model
Item / P.O. No.	Pump Speed	Engine Preheater Voltage
Quote No	Power	Pump Serial No
Pump Model	Rotation CLOCKWISE (Right Hand)	SO No



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3406B-DIT (PA2519) & 3406B-DITA (PA2520) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL
- LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
												Less Control	With Control
	3406B-DIT	6AEF18	92	109.75	24	40	36.00	3.00	500	3600	600	4970	5570
	3406B-DIT	8AEF15	94	108.25	24.5	41	36.00	4.50	550	3600	600	5000	5600
	3406B-DIT	8AEF17	94	109.75	26	41	40.00	4.50	550	3600	600	5160	5760
	3406B-DIT	8AEF20	100	117.25	28	44	41.00	6.00	650	3600	600	5580	6180
	3406B-DIT	10AEF16	100	117.25	29	44	42.50	6.00	500	3600	600	5730	6330
	3406B-DITA	6AEF18	92	109.75	24	40	36.00	3.00	500	3600	600	4970	5570
	3406B-DITA	8AEF15	94	108.25	24.5	41	36.00	4.50	550	3600	600	5000	5600
	3406B-DITA	8AEF17	94	109.75	26	41	40.00	4.50	550	3600	600	5160	5760
	3406B-DITA	8AEF20	100	117.25	28	44	41.00	6.00	650	3600	600	5580	6180
	3406B-DITA	10AEF16	100	117.25	29	44	42.50	6.00	650	3600	600	5730	6330
	3406B-DITA	10AEF20	104	121.00	29	46	45.00	8.00	700	3600	600	6300	6900

NOTES

- 1 CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR 75 TO 150 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
- 2 UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2000549

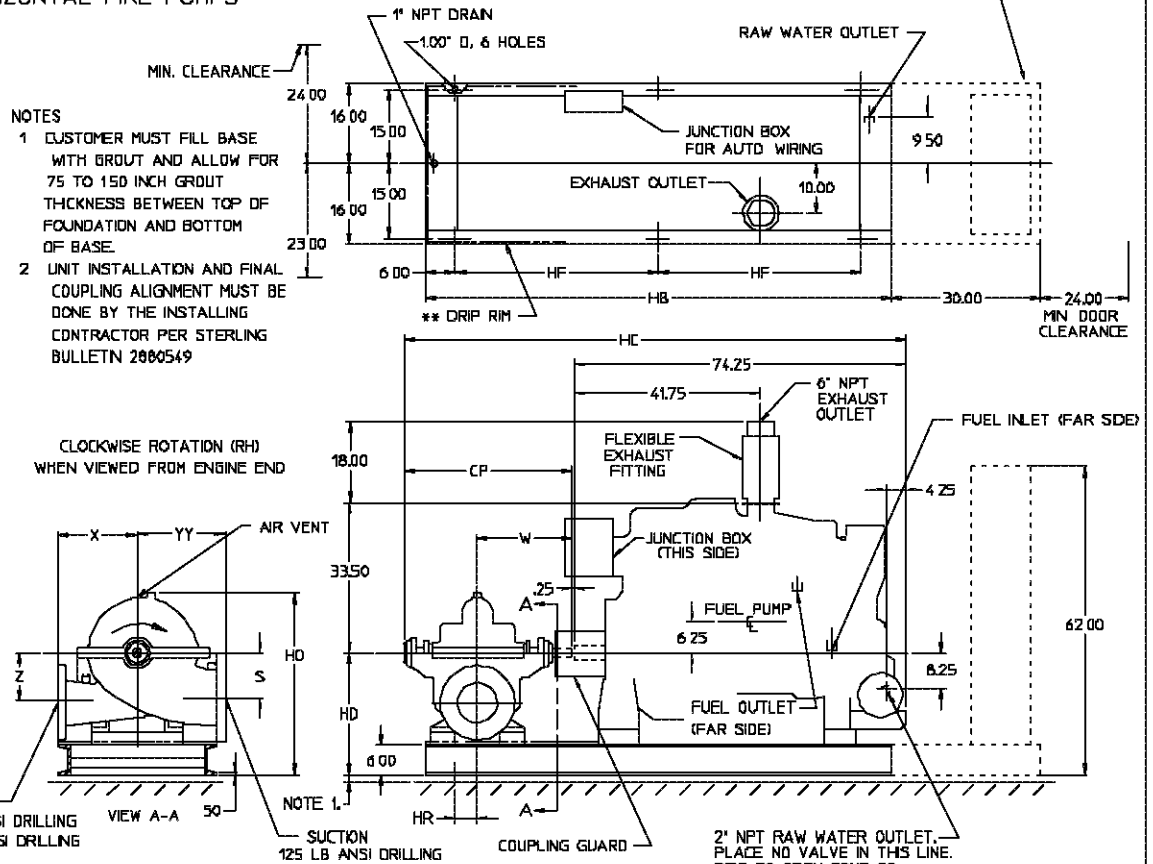
CLOCKWISE ROTATION (RH) WHEN VIEWED FROM ENGINE END

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 7" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- DISCHARGE 125 LB ANSI DRILLING
- DISCHARGE 250 LB ANSI DRILLING

- STEEL NON-DRIP RIM BASE FURNISHED
  - STEEL DRIP RIM BASE FURNISHED (as shown in phantom line)
- ALL DIMENSIONS ARE IN INCHES



2" NPT RAW WATER OUTLET. PLACE NO VALVE IN THIS LINE. PIPE TO OPEN CONE SO OPERATOR CAN SEE WASTE.

SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 8AEF15 & ENGINE MODEL 3406B-DIT COMBINATION

DT 4852187  
REV 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project	Capacity	Engine Supplier	CATERPILLAR
Customer	Total Pressure	Engine Model	
Item / P.O. No.	Pump Speed	Engine Preheater Voltage	
Quote No	Power	Pump Serial No	
Pump Model	Rotation	CLOCKWISE (Right Hand)	SO No



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3408B-DITA (PA2521) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

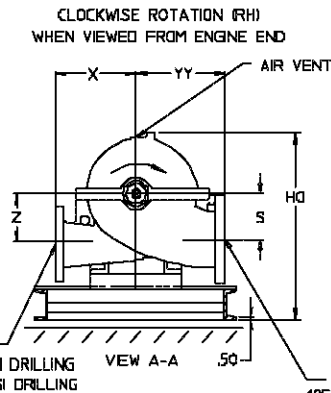
X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
												Less Control	With Control
	3408-DITA	9AEF15	84	99.50	25	36	37.00	5.00	400	4000	600	5250	5850
	3408-DITA	10AEF20	94	112.00	29.5	41	45.50	8.00	600	4000	600	6600	7200

- NOTES:  
1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR 75 TO 150 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE  
2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549

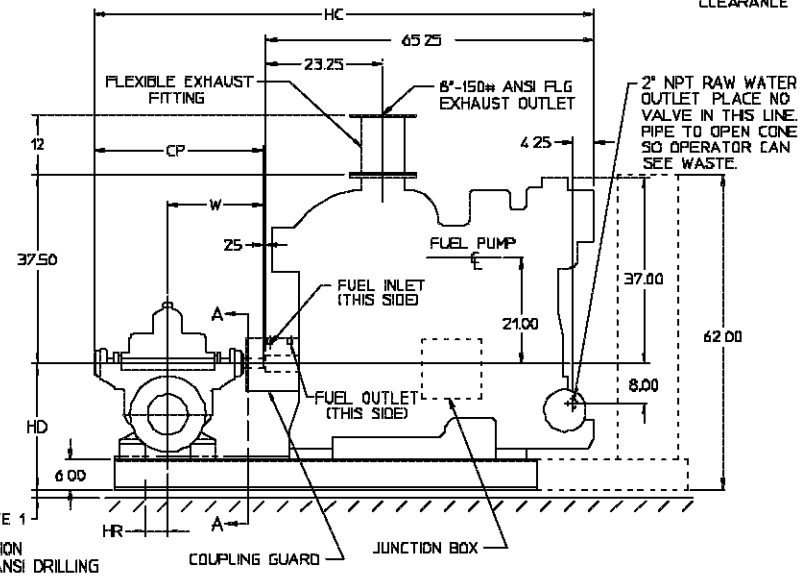
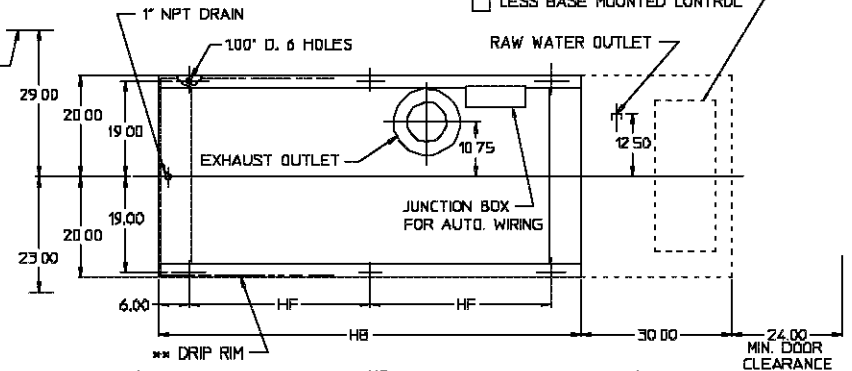
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	9AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 13" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED  
 STEEL DRIP RIM BASE FURNISHED  
(\*\* SHOWN IN PHANTOM LINE ---)  
ALL DIMENSIONS ARE IN INCHES



- DISCHARGE  
 125 LB ANSI DRILLING  
 250 LB ANSI DRILLING



- NOTE 1  
SUCTION  
125 LB ANSI DRILLING

SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 9AEF15 & ENGINE MODEL 3408-DITA COMBINATION

DT 4852224  
REV 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CATERPILLAR
Customer:	Total Pressure:	Engine Model 3408-DITA (PA2521)
Item / PO No.	Pump Speed	Engine Preheater Voltage:
Quote No	Power:	Pump Serial No.
Pump Model:	Rotation CLOCKWISE (Right Hand)	S/N No.



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3408B-DITA (PA3282) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

- WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

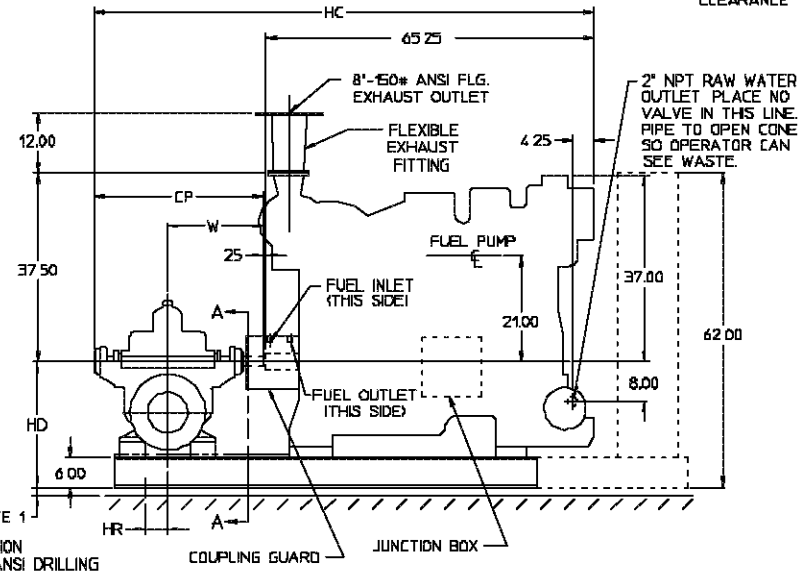
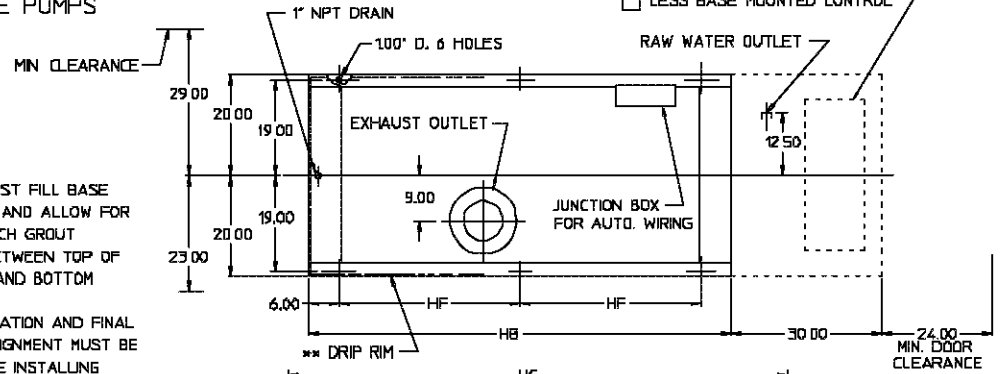
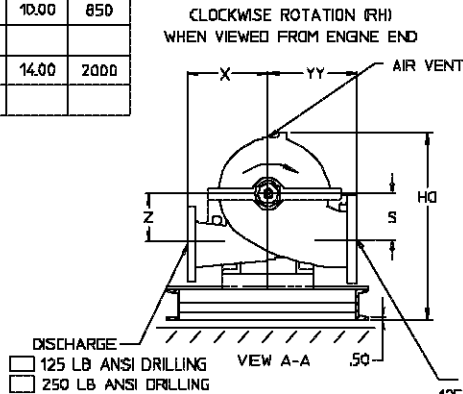
X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
												Less Control	With Control
	3408-DITA	9AEF15	84	99.50	25	36	37.00	5.00	400	4000	600	5250	5850
	3408-DITA	10AEF20	94	112.00	29.5	41	45.50	8.00	600	4000	600	6600	7200

- NOTES:  
1 CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR 75 TO 150 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2 UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	9AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 13" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED  
 STEEL DRIP RIM BASE FURNISHED  
(\*\* SHOWN IN PHANTOM LINE ---)  
ALL DIMENSIONS ARE IN INCHES



SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 9AEF15 & ENGINE MODEL 3408-DITA COMBINATION

DT 4853682  
REV 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CATERPILLAR
Customer:	Total Pressure:	Engine Model 3408-DITA (PA3282)
Item / PO No.	Pump Speed	Engine Preheater Voltage:
Quote No	Power:	Pump Serial No.
Pump Model:	Rotation CLOCKWISE (Right Hand)	S/O No.



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3412-DIT (PA2522) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions								Approximate Weight (Lbs.)				
			C	E	HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
														Less Control	With Control
	3412-DIT	10AEF20	20.00	19.00	118	125.75	32.50	33	48.50	9.00	850	5400	600	8250	8850
	3412-DIT	12AF19	19.50	18.50	135	145.75	31.50	41	46.00	11.75	960	5400	600	8740	9340

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000
	12AF19	14	12	66.50	12.00	36.00	28.50	24.00	13.50	2380

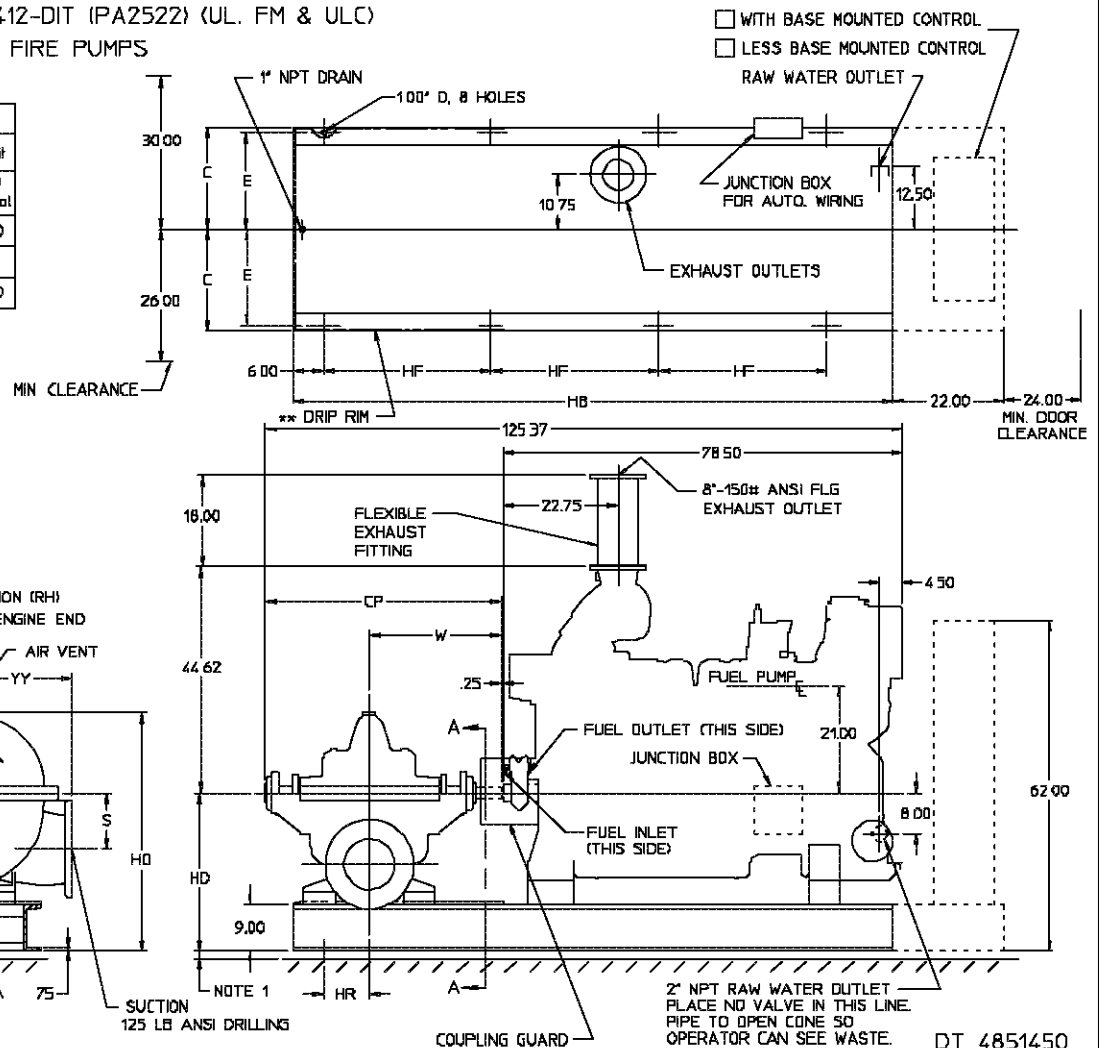
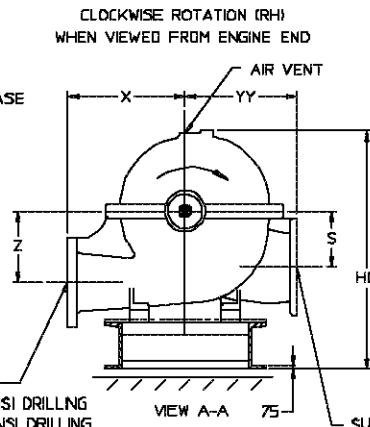
NOTES

- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR 75 TO 150 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE
- UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549.

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 13" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED
  - STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE)
- ALL DIMENSIONS ARE IN INCHES

- 125 LB ANSI DRILLING
- 250 LB ANSI DRILLING



SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 10AEF20 & ENGINE MODEL 3412-DIT COMBINATION.

DT 4851450  
REV 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity	Engine Supplier: CATERPILLAR
Customer:	Total Pressure	Engine Model: 3412-DIT
Item / P.O. No.:	Pump Speed	Engine Preheater Voltage
Quote No.:	Power	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SO No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3412-DIT (PA3280) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions									Approximate Weight (Lbs)				
			C	E	HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit		
														Less Control	With Control	
	3412-DIT	10AEF20	20.00	19.00	118	125.75	32.50	33	48.50	9.00	850	5400	600	8250	8850	
	3412-DIT	12AF19	19.50	18.50	135	145.75	31.50	41	46.00	11.75	960	5400	600	8740	9340	

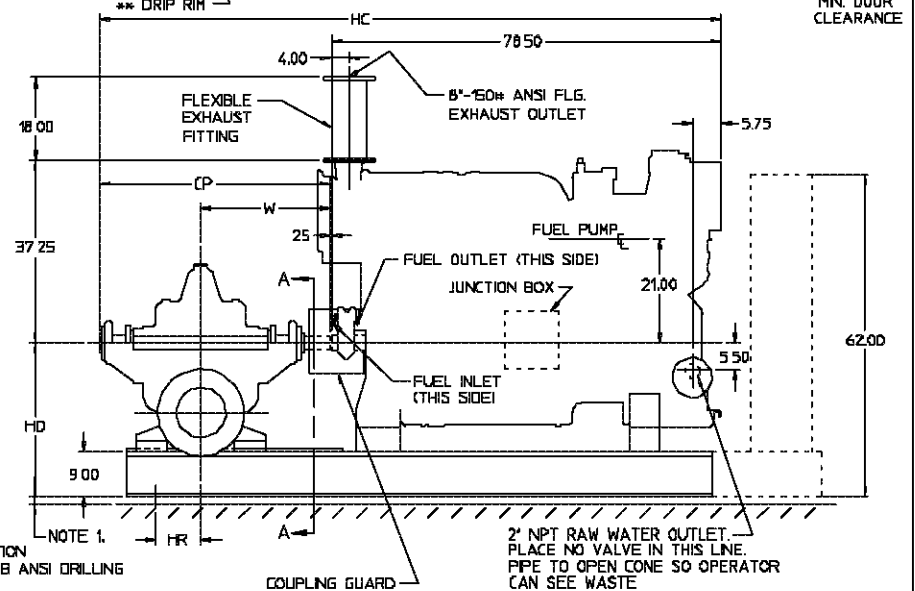
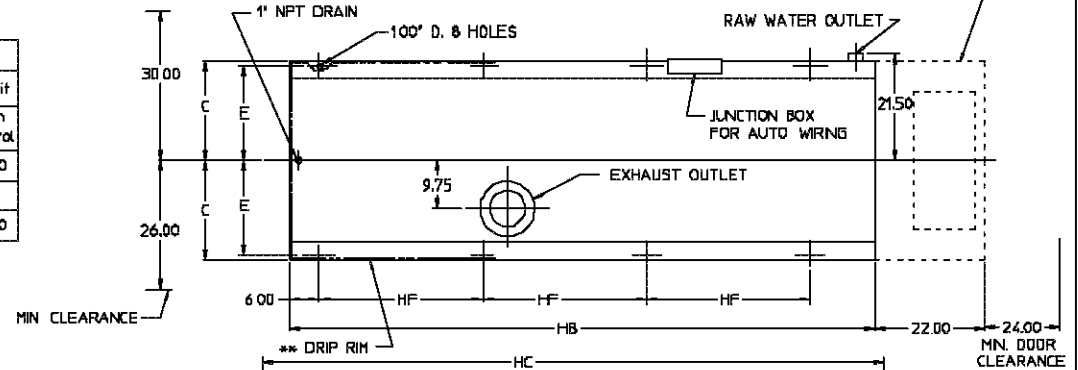
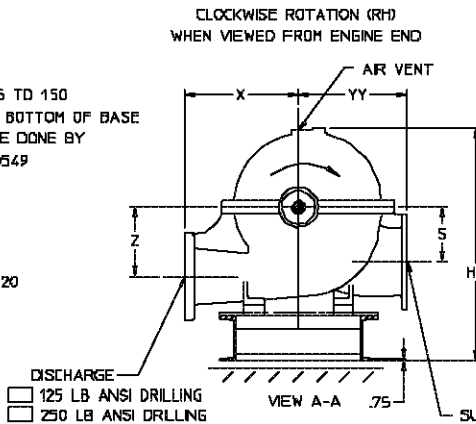
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000
	12AF19	14	12	66.50	12.00	36.00	28.50	24.00	13.50	2380

NOTES

- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE
- UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 13" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS. PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED
  - STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE)
- ALL DIMENSIONS ARE IN INCHES



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 10AEF20 & ENGINE MODEL 3412-DIT COMBINATION

DT 4853674  
REV 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project	Capacity	Engine Supplier CATERPILLAR
Customer	Total Pressure	Engine Model 3412-DIT
Item / P.O. No.	Pump Speed	Engine Preheater Voltage
Quote No	Power	Pump Serial No
Pump Model	Rotation CLOCKWISE (Right Hand)	SO No



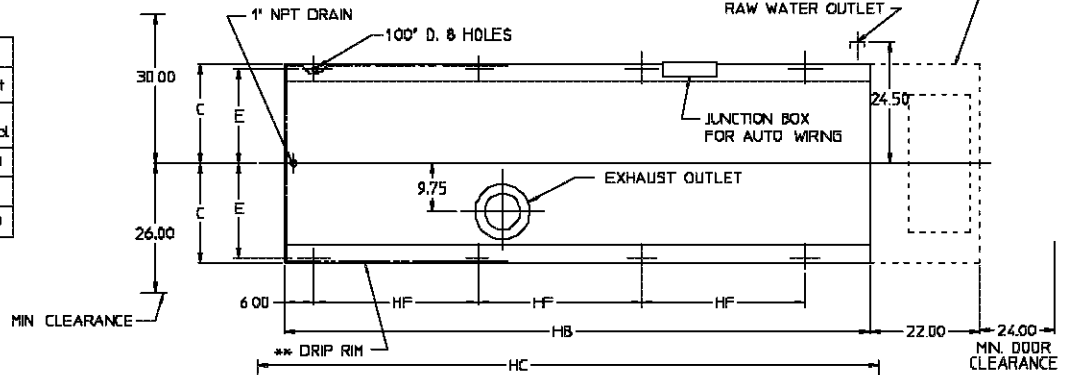
Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3412-DITA (PA3281) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions									Approximate Weight (Lbs)			
			C	E	HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
														Less Control	With Control
	3412-DITA	10AEF20	20.00	19.00	118	125.75	32.50	33	48.50	9.00	850	5400	600	8250	8850
	3412-DITA	12AF19	19.50	18.50	135	145.75	31.50	41	46.00	11.75	960	5400	600	8740	9340

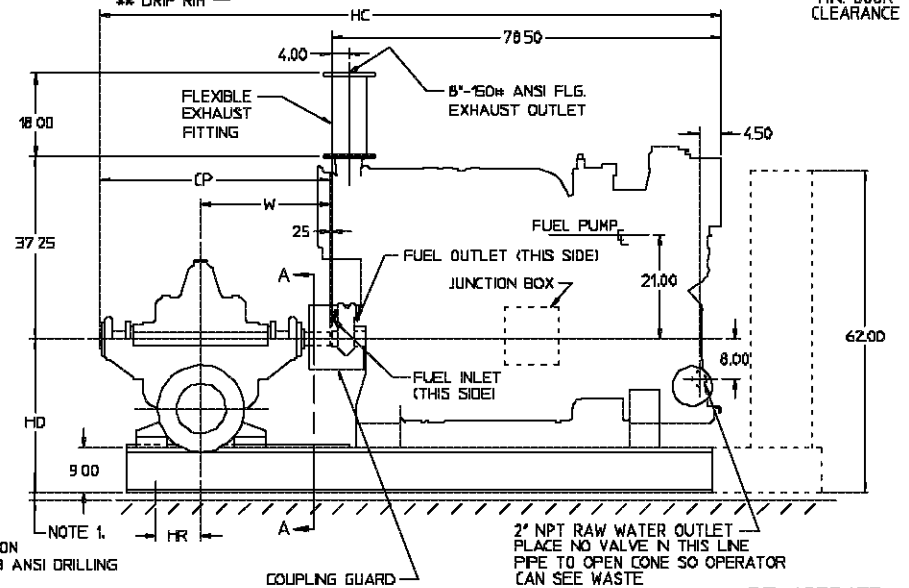
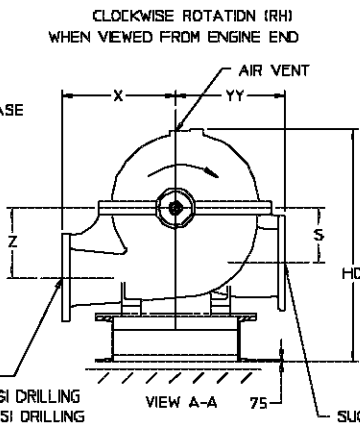
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000
	12AF19	14	12	66.50	12.00	36.00	28.50	24.00	13.50	2380



- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 150 NCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 13" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS. PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED
  - STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE -----)
- ALL DIMENSIONS ARE IN INCHES



SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 10AEF20 & ENGINE MODEL 3412-DITA COMBINATION

DT 4853673  
REV. 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project	Capacity	Engine Supplier CATERPILLAR
Customer	Total Pressure	Engine Model 3412-DITA
Item / P.O. No.	Pump Speed	Engine Preheater Voltage
Quote No	Power	Pump Serial No
Pump Model	Rotation CLOCKWISE (Right Hand)	SO No



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

CATERPILLAR DIESEL ENGINE 3412-DITA (PA3281) (UL, FM & ULC)  
HORIZONTAL FIRE PUMPS

WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

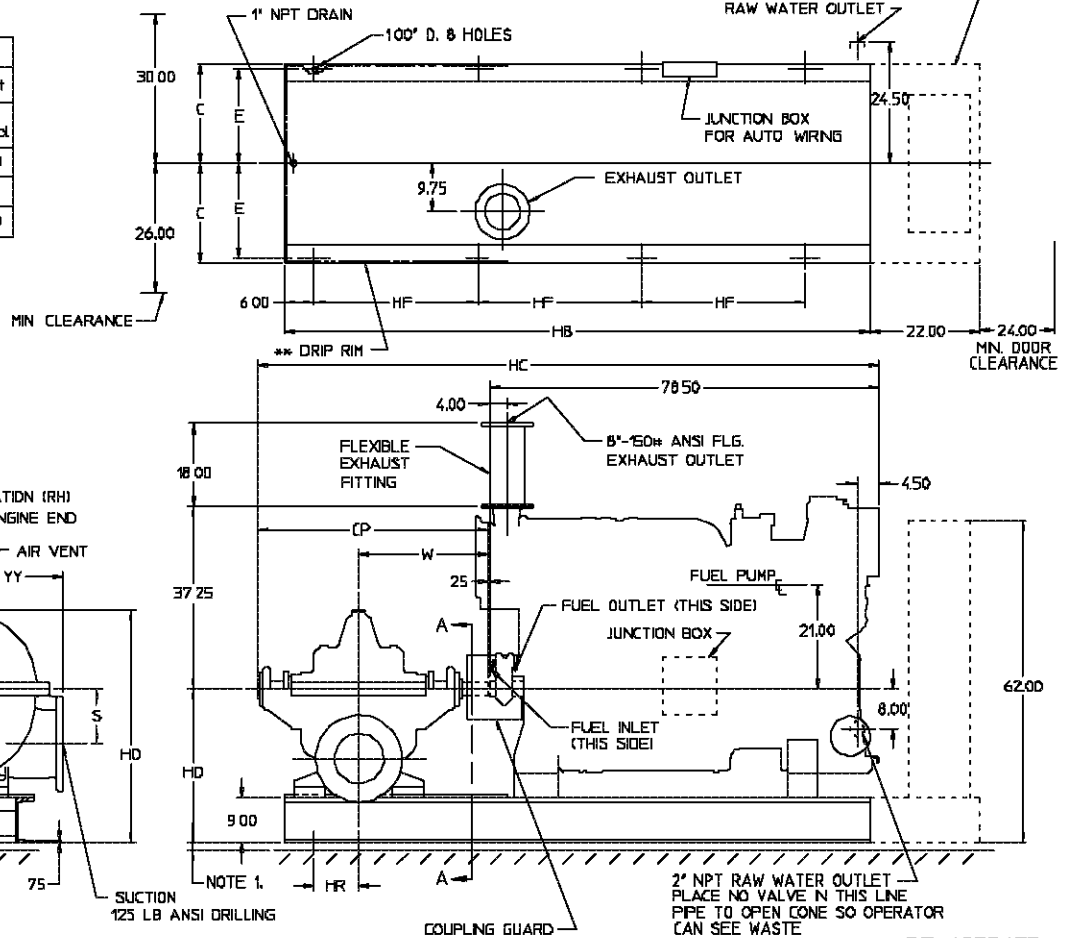
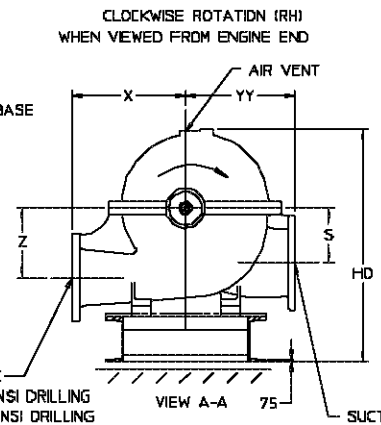
X	Engine Model	Pump Model	Unit Dimensions									Approximate Weight (Lbs)			
			C	E	HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
														Less Control	With Control
	3412-DITA	10AEF20	20.00	19.00	118	125.75	32.50	33	48.50	9.00	850	5400	600	8250	8850
	3412-DITA	12AF19	19.50	18.50	135	145.75	31.50	41	46.00	11.75	960	5400	600	8740	9340

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000
	12AF19	14	12	66.50	12.00	36.00	28.50	24.00	13.50	2380

- NOTES:
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 150 NCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE
  - UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS  
ENGINE MUST BE RAISED 13" TO REMOVE OIL PAN  
UNIT IS PIPED WITH WATER LINES AND BY-PASS. PER NFPA 20  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED
  - STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE)
- ALL DIMENSIONS ARE IN INCHES



SCALE NOTE DRAWING IS SCALE FOR PUMP MODEL 10AEF20 & ENGINE MODEL 3412-DITA COMBINATION

DT 4853673  
REV. 11-99

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project	Capacity	Engine Supplier CATERPILLAR
Customer	Total Pressure	Engine Model 3412-DITA
Item / P.O. No.	Pump Speed	Engine Preheater Voltage
Quote No	Power	Pump Serial No
Pump Model	Rotation CLOCKWISE (Right Hand)	SO No



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388



## CATERPILLAR DIESEL ENGINE 3126-DITA (UL, FM & ULC) HORIZONTAL FIRE PUMPS

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)					
			HB	HC	HD	HF	HO	HR	Base		Complete Unit		
									Engine	Control	Less Control	With Control	
	3126-DITA	4TUF11	96	100.00	22.50	42	36.00	19.25	475	1650	400	3505	3905
	3126-DITA	5TUF7	92	79.75	20.50	40	51.00	13.00	475	1650	400	3730	4130

X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions							Pump Weight Lbs.
		Suction	Discharge	CP	S	W	M	X	YY	Z	
	4TUF11	6	4	48.25	7.50	22.50	14.25	14.00	14.00	7.50	1380
	5TUF7	6	5	49.88	6.00	23.50	12.81	16.00	16.00	10.00	1605

**NOTES:**

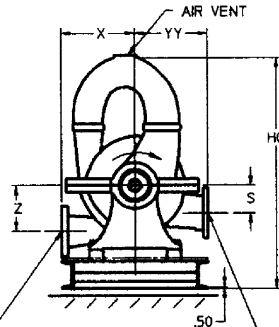
- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
- UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549.

FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS OR 1/2" NPT UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.

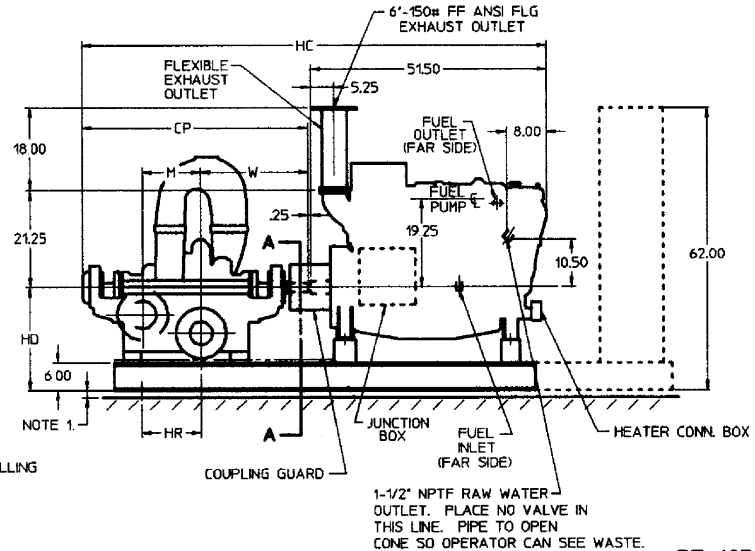
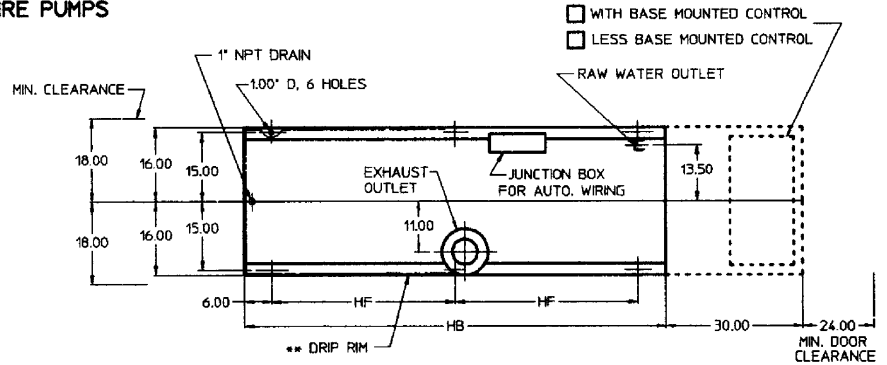
ENGINE MUST BE RAISED 6" TO REMOVE OIL PAN  
ALL DIMENSIONS ARE IN INCHES  
OPEN TOP STRUCTURAL STEEL BASE

- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED (\*\* SHOWN IN PHANTOM LINE - - - -)

CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END  
VIEW A-A



- DISCHARGE 125 LB ANSI DRILLING
- 250 LB ANSI DRILLING
- SUCTION 125 LB ANSI DRILLING



SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 5TUF7 & ENGINE MODEL 3126-DITA COMBINATION.

Certified for:  Preliminary  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CATERPILLAR
Customer:	Total Pressure:	Engine Model 3126-DITA
Item / P.O. No.:	Pump Speed	Engine Preheater Voltage
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SO No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone: 317-925-3661  
Fax: 317-924-7388

DT 4854149  
8-02

X	Engine Model	Pump Model	Unit Dimensions					Approximate Weight (Lbs.)					
			HB	HC	HD	HF	HO	HR	Base	Engine	Control	Complete Unit	
												Less Control	With Control
	3126-DITA	4AEF10	74	79.75	20.50	31	28.50	3.00	425	1650	400	2390	2790
	3126-DITA	4AEF12	74	79.75	20.50	31	28.62	3.00	425	1650	400	2451	2851
	3126-DITA	5AEF8	74	81.00	20.50	31	27.12	3.00	425	1650	400	2390	2790
	3126-DITA	5AEF11	74	80.75	20.50	31	31.00	3.00	425	1650	400	2455	2855
	3126-DITA	5AEF12	72	80.75	22.50	30	32.25	2.00	425	1650	400	2641	3041
	3126-DITA	5AEF14	74	82.50	20.50	31	30.12	3.00	425	1650	400	2925	3325
	3126-DITA	6AEF10	72	80.00	22.50	30	30.62	2.00	425	1650	400	2525	2925
	3126-DITA	6AEF12	78	85.50	24.50	33	34.50	4.00	450	1650	400	2850	3250
	3126-DITA	6AEF14	78	83.00	24.50	33	36.00	4.00	450	1650	400	2810	3210
	3126-DITA	6AEF16	78	85.50	24.50	33	35.88	4.00	450	1650	400	2790	3190
	3126-DITA	6AEF18	78	87.00	24.50	33	36.38	4.00	450	1650	400	2970	3370
	3126-DITA	8AEF13	78	83.50	24.50	33	35.25	5.00	450	1650	400	2852	3252
	3126-DITA	8AEF15	78	85.50	24.50	33	36.50	5.00	450	1650	400	2950	3350
	3126-DITA	8AEF20	84	94.50	25.50	36	40.38	5.00	475	1650	400	3455	3855

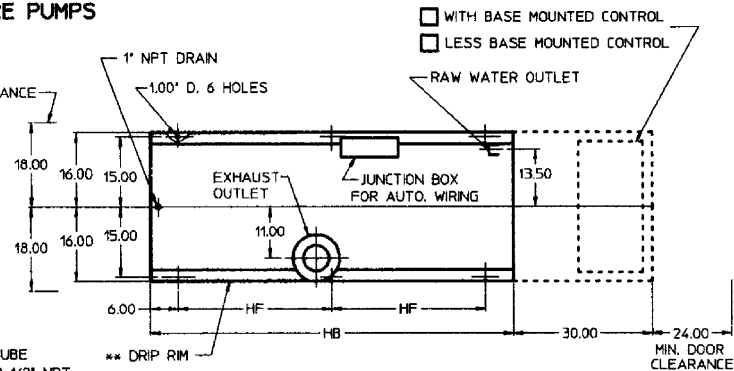
X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs
		Suction	Discharge	CP	S	W	X	YY	Z	
	4AEF10	5	4	28.00	6.50	16.00	11.00	11.00	6.50	315
	4AEF12	5	4	28.00	6.50	16.00	10.25	12.50	7.75	376
	5AEF8	6	5	29.25	5.75	16.38	12.00	12.00	5.75	315
	5AEF11	6	5	29.00	6.75	16.00	12.00	13.00	6.75	380
	5AEF12	6	5	29.00	8.00	16.00	13.00	14.00	8.50	566
	5AEF14	6	5	30.75	7.00	17.25	14.00	13.00	10.00	850
	6AEF10	8	6	28.25	7.50	16.00	10.25	13.00	6.75	450
	6AEF12	8	6	33.75	7.62	19.00	12.00	16.50	8.25	750
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870
	8AEF13	10	8	31.75	10.00	17.75	18.00	17.00	10.00	752
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330

### CATERPILLAR DIESEL ENGINE 3126-DITA (UL, FM & ULC) HORIZONTAL FIRE PUMPS

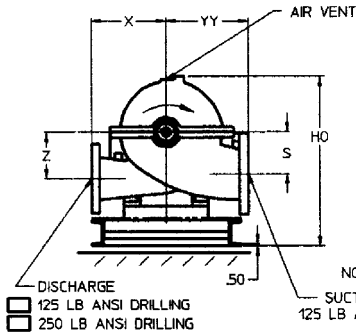
**NOTES:**

- CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR 75 TO 150 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.
- UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR PER STERLING BULLETIN 2880549.

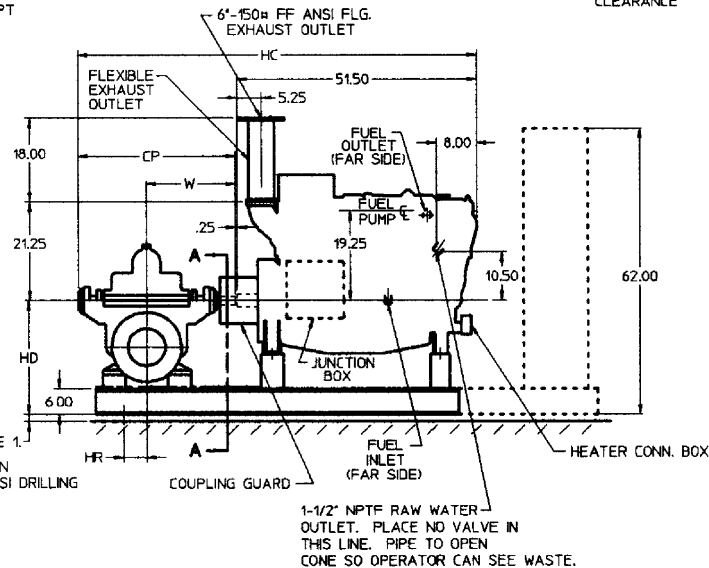
FUEL INLET & FUEL OUTLET ARE 5/8 MALE TUBE FITTINGS 45° FLARE, 7/8-14 UNF THREADS OR 1/2" NPT UNIT IS PIPED WITH WATER LINES AND BY-PASS. PER NFPA 20



CLOCKWISE ROTATION (RH)  
WHEN VIEWED FROM ENGINE END  
VIEW A-A



- STEEL NON-DRIP RIM BASE FURNISHED
- STEEL DRIP RIM BASE FURNISHED (\*X SHOWN IN PHANTOM LINE)
- OPEN TOP STRUCTURAL STEEL BASE



ENGINE MUST BE RAISED 6" TO REMOVE OIL PAN  
ALL DIMENSIONS ARE IN INCHES

**DT 4854152**  
8-02

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF15 & ENGINE MODEL 3126-DITA COMBINATION.

Certified for:  Preliminary  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

Project:	Capacity:	Engine Supplier: CATERPILLAR
Customer:	Total Pressure:	Engine Model: 3126-DITA
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:
Quote No.:	Power:	Pump Serial No.:
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SO No.:

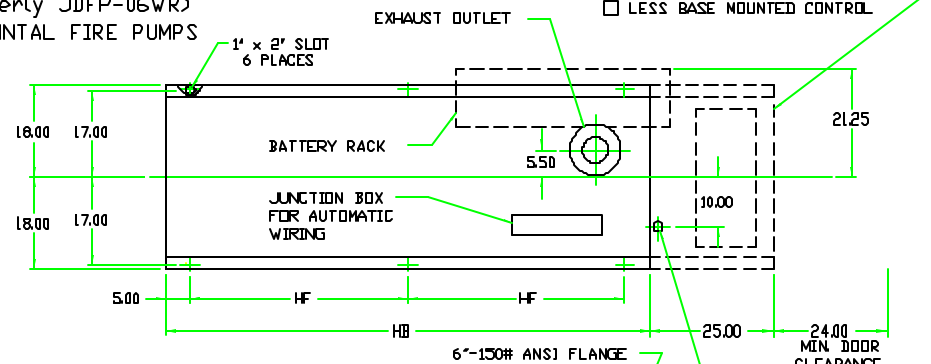


Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone: 317-925-9661  
Fax: 317-924-7388

CLARKE DIESEL ENGINE JW6H-UF40 (UL, FM, & cUL)  
(formerly JDFP-06WR)  
HORIZONTAL FIRE PUMPS

WITH BASE MOUNTED CONTROL  
 LESS BASE MOUNTED CONTROL

X	Engine Model	Pump Model	Unit Dimensions						Approximate Weight (Lbs.)				
			HB	HC	HD	HF	HO	HR	Base	Engine	Control w/ Base Ext.	Complete Unit	
												Less Control	With Control
	JW6H-UF40	6AEF14	88	93.00	24	39	35.0	7.50	370	2003	725	2983	3708
	JW6H-UF40	6AEF16	88	95.50	25	39	36.38	6.25	370	2003	725	3063	3788
	JW6H-UF40	6AEF18	88	97.00	24	39	35.88	5.25	370	2003	725	3243	3968
	JW6H-UF40	8AEF15	88	95.50	25	39	37.0	6.00	370	2003	725	3223	3948
	JW6H-UF40	8AEF17	88	97.00	27	39	40.88	5.25	370	2003	725	3383	4108
	JW6H-UF40	8AEF20	98	104.50	28	44	42.88	11.00	390	2003	725	3723	4448
	JW6H-UF40	10AEF16	98	104.50	28	44	41.38	11.00	390	2003	725	3873	4598
	JW6H-UF40	10AEF20	98	108.00	30	44	45.88	9.00	390	2003	725	4093	4818



X	Pump Model	Flange Size (Flat Faced)		Pump Dimensions						Pump Weight Lbs.
		Suction	Discharge	CP	S	V	X	YY	Z	
	6AEF14	8	6	31.25	9.00	17.50	14.50	16.00	9.50	610
	6AEF16	8	6	33.75	9.12	18.75	18.00	16.00	10.75	690
	6AEF18	8	6	35.25	9.00	19.75	17.00	16.00	10.50	870
	8AEF15	10	8	33.75	9.00	19.00	16.00	17.69	10.00	850
	8AEF17	10	8	35.25	10.00	19.75	15.00	19.00	12.00	1010
	8AEF20	10	8	42.75	11.00	24.00	21.00	20.00	13.00	1330
	10AEF16	12	10	42.75	11.00	24.00	16.50	21.00	12.00	1480
	10AEF20	12	10	46.50	11.00	26.00	23.00	22.00	14.00	2000

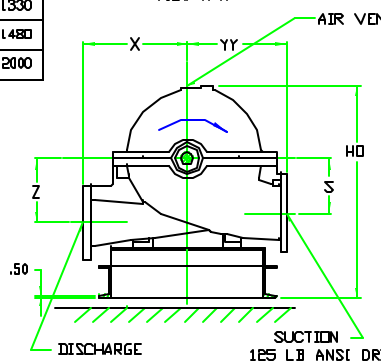
- NOTES:  
1. CUSTOMER MUST FILL BASE WITH GROUT AND ALLOW FOR .75 TO 1.50 INCH GROUT THICKNESS BETWEEN TOP OF FOUNDATION AND BOTTOM OF BASE.  
2. UNIT INSTALLATION AND FINAL COUPLING ALIGNMENT MUST BE DONE BY THE INSTALLING CONTRACTOR

CAUTION

THE DRIVESHAFT IS NOT DESIGNED TO OPERATE AT 0° ANGLE. THE ENGINE CRANKSHAFT IS TO BE A PARALLEL OFFSET 0.35 ±0.18 INCH ABOVE THE PUMP SHAFT. THE ENGINE CRANKSHAFT MAY BE PARALLEL OFFSET FROM THE PUMP SHAFT 0.33 INCH RIGHT OR LEFT. REFER TO THE ENGINE MANUAL FOR ALIGNMENT INSTRUCTIONS.

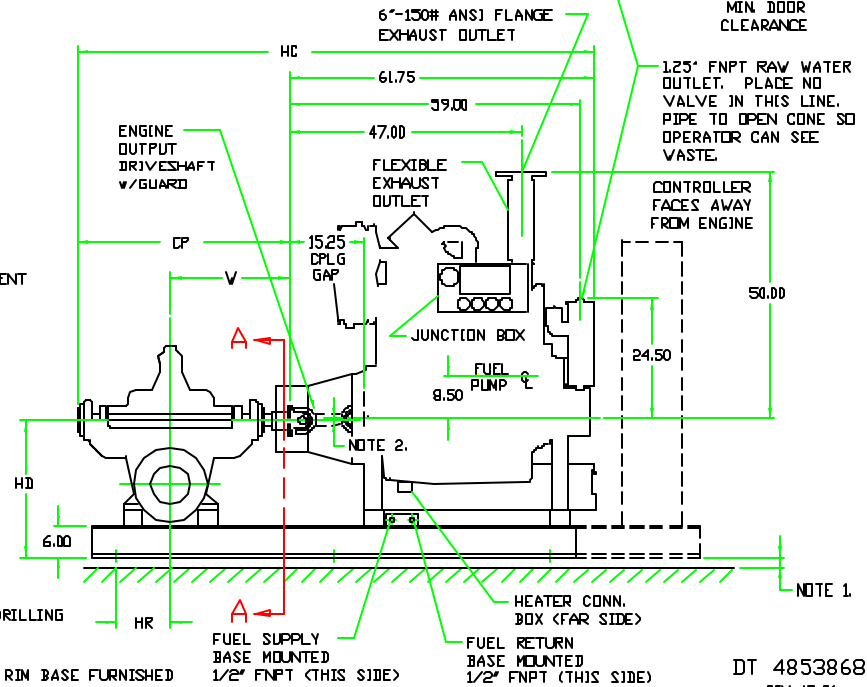
3. UNIT IS PIPED WITH WATER LINES AND BY-PASS, PER NFPA 20.  
4. ALL DIMENSIONS ARE IN INCHES

CLOCKWISE ROTATION CRD WHEN VIEWED FROM ENGINE END  
VIEW A-A



- 125 LB ANSI DRILLING  
 250 LB ANSI DRILLING

STEEL DRIP RIM BASE FURNISHED



DT 4853868  
REV. 12-04

SCALE NOTE: DRAWING IS SCALE FOR PUMP MODEL 8AEF20 & ENGINE MODEL JW6H-UF40 COMBINATION.

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_ Listed:  UL  FM

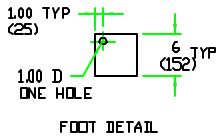
Project:	Capacity:	Engine Supplier:	CLARKE
Customer:	Total Pressure:	Engine Model:	JW6H-UF40
Item / P.O. No.:	Pump Speed:	Engine Preheater Voltage:	
Quote No.:	Power:	Pump Serial No.:	
Pump Model:	Rotation: CLOCKWISE (Right Hand)	SD No.:	



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 46207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

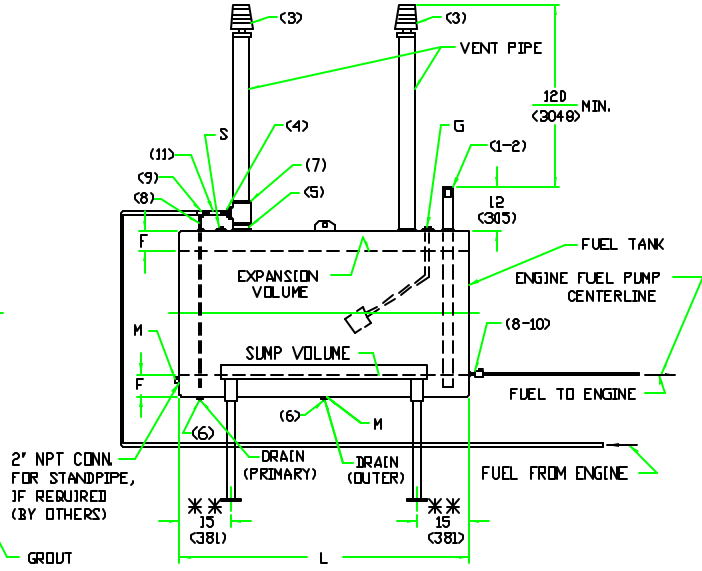
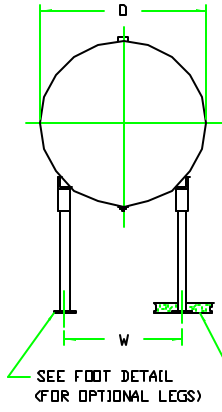
# DIESEL FUEL SYSTEM

FOR ALL FIRE PUMP ENGINES \*  
(DUAL WALL TANK WITH UL LABEL)



- FUEL TANK LESS LEGS
- FUEL TANK WITH LEGS

LEGS ARE 2-1/2" THREADED PIPE 42" LONG THAT WILL THREAD INTO THE TANK SOCKETS. THE LEGS OR FOUNDATION PAIS ARE TO BE ADJUSTED IN ORDER TO LOCATE THE TANK OUTLET EVEN WITH THE ENGINE FUEL PUMP CENTERLINE.



**NOTES:**

- A. THIS FUEL SYSTEM COMPLIES WITH THE RECOMMENDED PRACTICES DESCRIBED IN THE APPENDIX OF NFPA PAM 20.
- B. FUEL TANK OUTLET MUST BE EVEN WITH ENGINE FUEL PUMP CENTERLINE.
- C. FUEL TANK SHOULD BE LOCATED AS CLOSE TO ENGINE AS POSSIBLE.
- D. FUEL TANK SHOULD BE 'PITCHED' 1/4" (6mm) PER FOOT TOWARD DRAIN PLUG.
- E. FUEL TANK MUST BE LOCATED ABOVE GROUND, WITH PROVISIONS TO PREVENT FREEZING.
- F. THE 'USABLE FUEL VOLUME' IS 90% OF THE 'FUEL TANK VOLUME' THIS WILL PROVIDE A 'SLUMP VOLUME' OF 3% AND AN 'EXPANSION VOLUME' OF 5%.
- G. 'FILL CAP' HAS PROVISIONS TO BE PADLOCKED CLOSED.
- H. 'STOP COCK' HAS PROVISIONS TO BE PADLOCKED OPEN.
- I. 'FUEL GAGE', IF ORDERED, SHOULD BE LOCATED AT THE 2" NPT OPENING, POINT 'G'.
- J. 'LOW LEVEL FUEL SWITCH', IF ORDERED WITH CONTROLLER, SHOULD BE LOCATED AT THE 2" NPT OPENING, POINT 'S'.
- K. IN ORDER TO CONFORM TO INDIVIDUAL JOB REQUIREMENTS, THE FOLLOWING MATERIAL MUST BE FURNISHED BY OTHERS;
  1. VENT PIPES, 4" BLACK PIPE
  2. FUEL LINES, 1/2" BLACK PIPE
- L. THE FOLLOWING PARTS WILL BE MOUNTED ON THE ENGINE;
  1. FUEL INLET & OUTLET, FLEX HOSE
  2. FUEL CHECK VALVES, IF REQUIRED
- M. ONLY ITEMS MARKED  WILL BE FURNISHED FOR THIS JOB.
- N. ALL DIMENSIONS ARE IN INCHES & MILLIMETERS.
- O. 'LEAK MONITOR' IF ORDERED WITH CONTROLLER, SHOULD BE LOCATED AT 2" NPT OR 1" NPT OPENING, POINT 'N'.

FUEL SYSTEM - WEIGHT 60 LBS. (27.2 kgs)			
ITEM	QTY	MATERIAL	DESCRIPTION
1	1	IRON	CAP, FILL 2"
2	1	STEEL	STRAINER, 1/16 MESH
3	2	STEEL	VENT, WEATHER 4" NPT
4	1	IRON	BUSHING, PIPE 2" x 1/2" NPT
5	1	STEEL	NIPPLE, PIPE SCR 4" x CLOSE
6	2	IRON	PLUG, PIPE 1" NPT
7	1	IRON	TEE, PIPE REDG 4" x 4" x 2" NPT
8	2	STEEL	NIPPLE, PIPE SCR 1/2" x CLOSE
9	1	IRON	TEE, PIPE 1/2" NPT
10	1	BRASS	COCK, STOP 1/2" NPT
11	1	ASSY	HOSE, FLEX SWIVEL 1/2" NPT x 12' LG
12	3	IRON	PLUG, PIPE 2" NPT

FUEL GAGE - MATERIAL STEEL - QTY. 1 - WEIGHT 3 LBS. (2.3 kgs)	
CALIBRATED F, 3/4, 1/2, 1/4, E	

\* FOR ALL FIRE PUMP ENGINES EXCEPT DDFP-DBFA, 08FH, 6BTAS, F1 & F2

\*\* 6" (152mm) FOR 70 GALLON TANK ONLY

FUEL TANK - MATERIAL STEEL - QTY. 1							
SIZE GALLONS	D	L	F	V	WEIGHTS LBS. (kgs)		
					TANK	FUEL	TOTAL
70	24 (610)	36 (915)	2-3/4 (70)	17 (432)	247 (112.0)	422 (191.4)	669 (303.4)
115	24 (610)	60 (1524)	2-3/4 (70)	17 (432)	297 (134.7)	690 (313.0)	987 (447.7)
140	24 (610)	72 (1829)	2-3/4 (70)	17 (432)	352 (159.7)	844 (382.8)	1196 (542.5)
250	32 (813)	72 (1829)	3-1/4 (82)	23 (584)	387 (175.5)	1507 (683.6)	1894 (859.1)
350	38 (965)	72 (1829)	3-1/2 (89)	27 (686)	472 (214.1)	2110 (957.1)	2582 (1171.2)
460	48 (1219)	60 (1524)	4-3/4 (121)	34 (864)	587 (266.3)	2773 (1257.8)	3360 (1524.1)
550	48 (1219)	72 (1829)	4-3/4 (121)	34 (864)	642 (291.2)	3385 (1535.4)	4027 (1826.6)
650	48 (1219)	84 (2137)	4-3/4 (121)	34 (864)	742 (336.6)	3920 (1778.1)	4662 (2114.7)
830	64 (1626)	60 (1524)	5-3/4 (146)	45 (1143)	1107 (502.1)	5004 (2269.9)	6111 (2771.9)

DT4853948  
(REV. D 9-04)

Certified for:  Appraisal  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_

Project:	Item / P.I. No.:
Customer:	S.O. No.:

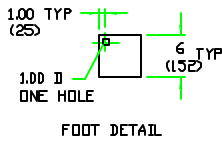


Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

# DIESEL FUEL SYSTEM

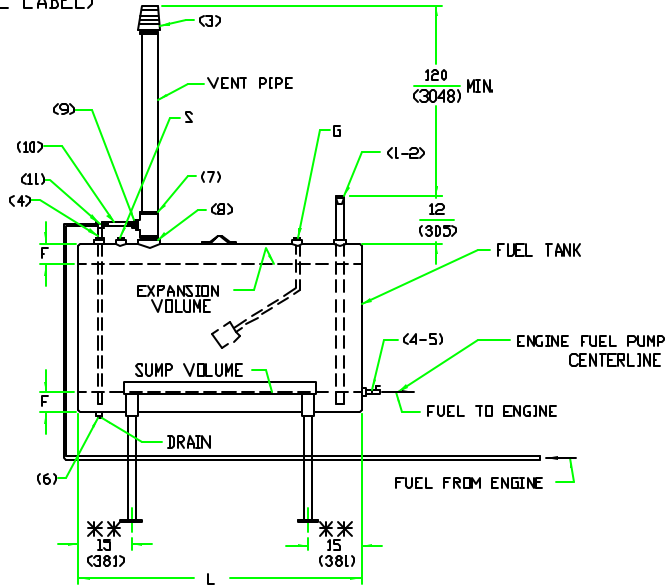
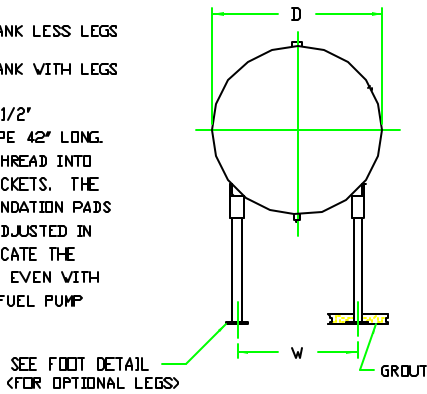
FOR ALL FIRE PUMP ENGINES \*

(TANK WITH UL LABEL)



- FUEL TANK LESS LEGS
- FUEL TANK WITH LEGS

LEGS ARE 2-1/2" THREADED PIPE 42" LONG. THAT WILL THREAD INTO THE TANK SOCKETS. THE LEGS OR FOUNDATION PADS ARE TO BE ADJUSTED IN ORDER TO LOCATE THE TANK OUTLET EVEN WITH THE ENGINE FUEL PUMP CENTERLINE.



**NOTES:**

- A. THIS FUEL SYSTEM COMPLIES WITH THE RECOMMENDED PRACTICES DESCRIBED IN THE APPENDIX OF NFPA PAM 20.
- B. FUEL TANK OUTLET MUST BE EVEN WITH ENGINE FUEL PUMP CENTERLINE.
- C. FUEL TANK SHOULD BE LOCATED AS CLOSE TO ENGINE AS POSSIBLE.
- D. FUEL TANK SHOULD BE "PITCHED" 1/4" (6mm) PER FOOT TOWARD DRAIN PLUG.
- E. FUEL TANK MUST BE LOCATED ABOVE GROUND, WITH PROVISIONS TO PREVENT FREEZING.
- F. THE "USABLE FUEL VOLUME" IS 90% OF THE "FUEL TANK VOLUME" THIS WILL PROVIDE A "SUMP VOLUME" OF 5% AND AN "EXPANSION VOLUME" OF 5%.
- G. "FILL CAP" HAS PROVISIONS TO BE PADLOCKED CLOSED.
- H. "STOP COCK" HAS PROVISIONS TO BE PADLOCKED OPEN.
- I. "FUEL GAGE", IF ORDERED, SHOULD BE LOCATED AT THE 2" NPT OPENING, POINT "G".
- J. "LOW LEVEL FUEL SWITCH", IF ORDERED WITH CONTROLLER, SHOULD BE LOCATED AT THE 2" NPT OPENING, POINT "S".
- K. IN ORDER TO CONFORM TO INDIVIDUAL JOB REQUIREMENTS, THE FOLLOWING MATERIAL MUST BE FURNISHED BY OTHERS;
  1. VENT PIPE, 4" BLACK PIPE
  2. FUEL LINES, 1/2" BLACK PIPE
- L. THE FOLLOWING PARTS WILL BE MOUNTED ON THE ENGINE;
  1. FUEL INLET & OUTLET, FLEX HOSE
  2. FUEL CHECK VALVES, IF REQUIRED
- M. ONLY ITEMS MARKED ☒ WILL BE FURNISHED FOR THIS JOB.
- N. ALL DIMENSIONS ARE IN INCHES & (MILLIMETERS)

FUEL SYSTEM - WEIGHT 30 LBS. (13.6 kgs.)			
ITEM	QTY	MATERIAL	DESCRIPTION
1	1	IRON	CAP, FILL 2"
2	1	STEEL	STRAINER, 1/16 MESH
3	1	STEEL	VENT, WEATHER 4" NPT
4	2	STEEL	NIPPLE, PIPE SCR 1/2" x CLOSE
5	1	BRASS	COCK, STOP 1/2" NPT
6	1	IRON	PLUG, PIPE 1" NPT
7	1	IRON	TEE, PIPE REG 4" x 4" x 2" NPT
8	1	STEEL	NIPPLE, PIPE SCR 4" x CLOSE
9	1	IRON	BUSHING, PIPE 1/2" x 2" NPT
10	1	ASSY	HOSE, FLEX SWIVEL 1/2" NPT x 12' LG
11	1	IRON	TEE, PIPE 1/2" NPT
12	2	IRON	PLUG, PIPE 2" NPT

FUEL GAGE - MATERIAL STEEL - QTY. 1 - WEIGHT 5 LBS. (2.3 kgs.) CALBRATED F, 3/4, 1/2, 1/4, E

FUEL TANK - MATERIAL STEEL - QTY. 1							
SIZE GALLONS	D	L	F	W	WEIGHTS LBS. (kgs.)		
					TANK	FUEL	TOTAL
70	24 (610)	36 (915)	2-3/4 (70)	17 (432)	247 (112.0)	422 (191.4)	669 (303.4)
115	24 (610)	60 (1524)	2-3/4 (70)	17 (432)	297 (134.7)	690 (313.0)	987 (447.7)
140	24 (610)	72 (1829)	2-3/4 (70)	17 (432)	352 (159.7)	844 (382.8)	1196 (542.5)
250	32 (813)	72 (1829)	3-1/4 (82)	23 (584)	387 (175.5)	1507 (683.6)	1894 (859.1)
350	38 (965)	72 (1829)	3-1/2 (89)	27 (686)	472 (214.1)	2110 (957.1)	2582 (1171.2)
460	48 (1219)	60 (1524)	4-3/4 (121)	34 (864)	587 (266.3)	2773 (1257.8)	3360 (1524.1)
550	48 (1219)	72 (1829)	4-3/4 (121)	34 (864)	642 (291.2)	3385 (1535.4)	4027 (1826.6)
650	48 (1219)	84 (2137)	4-3/4 (121)	34 (864)	742 (336.6)	3920 (1778.1)	4662 (2114.7)
830	64 (1626)	60 (1524)	5-3/4 (146)	45 (1143)	1107 (502.1)	5004 (2269.9)	6111 (2771.9)

\* FOR ALL FIRE PUMP ENGINES EXCEPT DDFP 08FA, 08FH & 6BTA039F1 & 2

\*\* 6" (152mm) FOR 70 GALLON TANK ONLY

DT4850075  
(REV. D 9-14)

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_

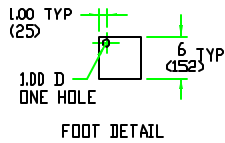
Project:	Item / P.O. No.:
Customer:	S.O. No.:



Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388

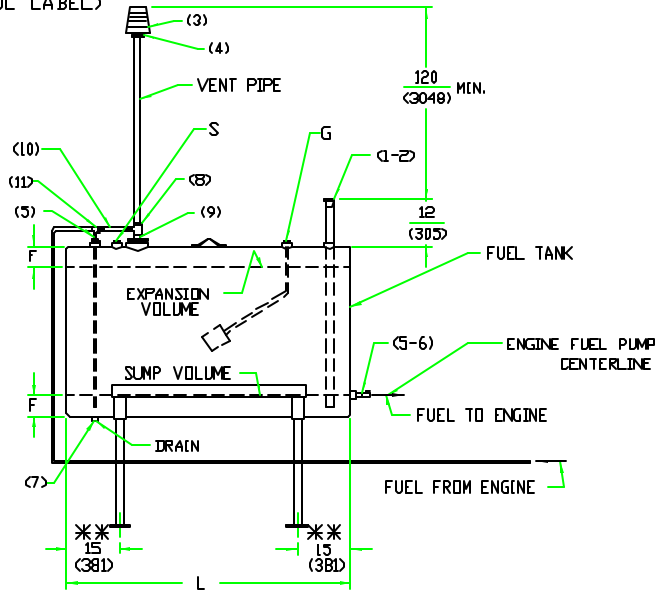
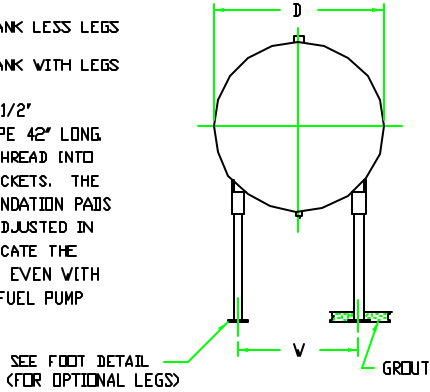
# DIESEL FUEL SYSTEM

FOR ALL FIRE PUMP ENGINES \*  
(TANK WITHOUT UL LABEL)



- FUEL TANK LESS LEGS
- FUEL TANK WITH LEGS

LEGS ARE 2-1/2" THREADED PIPE 42" LONG THAT WILL THREAD INTO THE TANK SOCKETS. THE LEGS OR FOUNDATION PAIS ARE TO BE ADJUSTED IN ORDER TO LOCATE THE TANK OUTLET EVEN WITH THE ENGINE FUEL PUMP CENTERLINE



### NOTES:

- A. THIS FUEL SYSTEM COMPLIES WITH THE RECOMMENDED PRACTICES DESCRIBED IN THE APPENDIX OF NFPA PAM 20.
- B. FUEL TANK OUTLET MUST BE EVEN WITH ENGINE FUEL PUMP CENTERLINE.
- C. FUEL TANK SHOULD BE LOCATED AS CLOSE TO ENGINE AS POSSIBLE.
- D. FUEL TANK SHOULD BE "PITCHED" 1/4" (6mm) PER FOOT TOWARD DRAIN PLUG.
- E. FUEL TANK MUST BE LOCATED ABOVE GROUND, WITH PROVISIONS TO PREVENT FREEZING.
- F. THE "USABLE FUEL VOLUME" IS 90% OF THE "FUEL TANK VOLUME" THIS WILL PROVIDE A "SUMP VOLUME" OF 5% AND AN "EXPANSION VOLUME" OF 5%.
- G. "FILL CAP" HAS PROVISIONS TO BE PADLOCKED CLOSED.
- H. "STOP COCK" HAS PROVISIONS TO BE PADLOCKED OPEN.
- I. "FUEL GAGE", IF ORDERED, SHOULD BE LOCATED AT THE 2" NPT OPENING, POINT 'G'.
- J. "LOW LEVEL FUEL SWITCH", IF ORDERED WITH CONTROLLER, SHOULD BE LOCATED AT THE 2" NPT OPENING, POINT 'S'.
- K. IN ORDER TO CONFORM TO INDIVIDUAL JOB REQUIREMENTS, THE FOLLOWING MATERIAL MUST BE FURNISHED BY OTHERS:
  - L. VENT PIPE, 1-1/4" BLACK PIPE
  - M. FUEL LINES, 1/2" BLACK PIPE
- L. THE FOLLOWING PARTS WILL BE MOUNTED ON THE ENGINE:
  - M. FUEL INLET & OUTLET, FLEX. HOSE
  - N. FUEL CHECK VALVES, IF REQUIRED
- M. ONLY ITEMS MARKED  WILL BE FURNISHED FOR THIS JOB.
- N. ALL DIMENSIONS ARE IN INCHES & (MILLIMETERS)

FUEL SYSTEM - WEIGHT 30 LBS. (13.6 kgs.)			
ITEM	QTY	MATERIAL	DESCRIPTION
1	1	IRON	CAP, FILL 2"
2	1	STEEL	STRAINER, 1/16 MESH
3	1	STEEL	VENT, WEATHER 2" NPT
4	1	IRON	BUSHING, PIPE 2" x 1-1/4" NPT
5	2	STEEL	NIPPLE, PIPE SCR 1/2" x CLOSE
6	1	BRASS	COCK, STOP 1/2" NPT
7	1	IRON	PLUG, PIPE 1" NPT
8	1	IRON	TEE, PIPE REDG 1-1/4" x 1-1/4" x 1/2" NPT
9	1	STEEL	NIPPLE, PIPE SCR 1-1/4" x CLOSE
10	1	ASSY	HOSE, FLEX. SWIVEL 1/2" NPT x 12" LG
11	1	IRON	TEE, PIPE 1/2" NPT

FUEL GAGE - MATERIAL STEEL - QTY. 1 - WEIGHT 5 LBS. (2.3 kgs.)  
CALBRATED F, 3/4, 1/2, 1/4, E

FUEL TANK - MATERIAL STEEL - QTY. 1							
SIZE GALLONS	D	L	F	W	WEIGHTS LBS. (kgs)		
					TANK	FUEL	TOTAL
70	24 (610)	36 (915)	2-3/4 (70)	17 (432)	247 (112.0)	422 (191.4)	669 (303.4)
115	24 (610)	60 (1524)	2-3/4 (70)	17 (432)	297 (134.7)	690 (313.0)	987 (447.7)
140	24 (610)	72 (1829)	2-3/4 (70)	17 (432)	352 (159.7)	844 (382.8)	1196 (542.5)
250	32 (813)	72 (1829)	3-1/4 (82)	23 (584)	387 (175.5)	1507 (683.6)	1894 (859.1)
350	38 (965)	72 (1829)	3-1/2 (89)	27 (686)	472 (214.1)	2110 (957.1)	2582 (1171.2)
460	48 (1219)	60 (1524)	4-3/4 (121)	34 (864)	587 (266.3)	2773 (1257.8)	3360 (1524.1)
550	48 (1219)	72 (1829)	4-3/4 (121)	34 (864)	642 (291.2)	3385 (1535.4)	4027 (1826.6)
650	48 (1219)	84 (2137)	4-3/4 (121)	34 (864)	742 (336.6)	3920 (1778.1)	4662 (2114.7)
830	64 (1626)	60 (1524)	5-3/4 (146)	45 (1143)	1107 (502.1)	5004 (2269.9)	6111 (2771.9)

\* FOR ALL FIRE PUMP ENGINES EXCEPT DDFF DBFA, DBFH & DBTA59F1 & 2

\*\* 6" (152mm) FOR 70 GALLON TANK ONLY

DT4850074  
(REV. J 9-04)

Certified for:  Approval  Construction By: \_\_\_\_\_ Date: \_\_\_\_\_

Project:	Item / P.O. No.:
Customer:	S.O. No.:

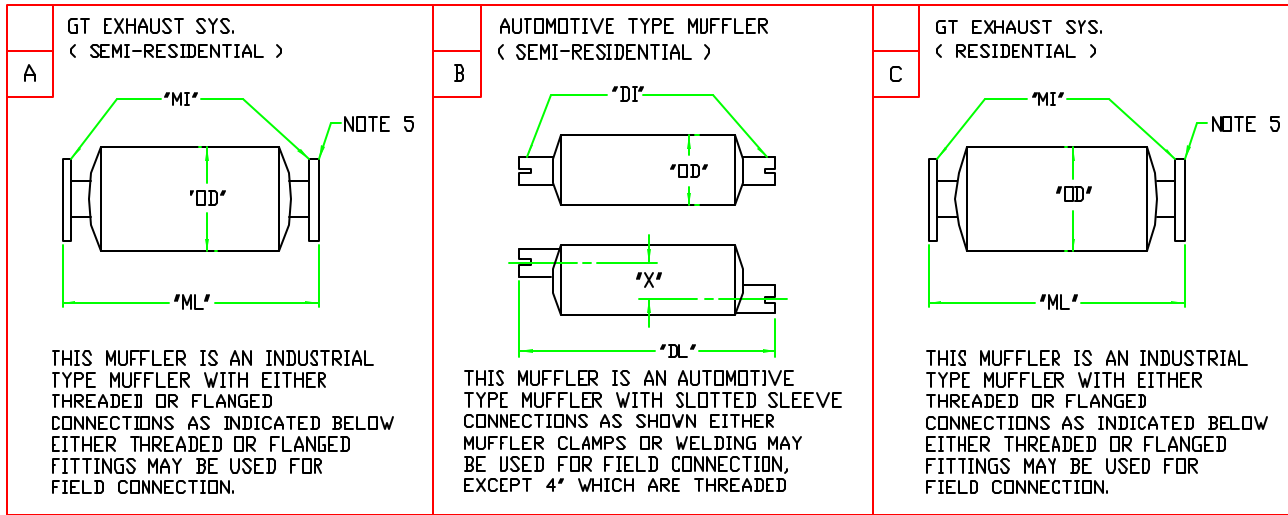


Peerless Pump Company  
P.O. Box 7026 Indianapolis, IN 45207-7026  
Phone : 317-925-9661  
Fax : 317-924-7388



## HORIZONTAL OR VERTICAL FIRE PUMPS

Diesel Engine Driven  
Clarke Diesel Muffler Outline



X	ENGINE MODEL	RPM	QTY. PER ENGINE	MUFFLER "A"				MUFFLER "B"				MUFFLER "C"				
				MI	ML	OD	WT#	DI	IL	DD	WT#	X	MI	ML	OD	WT#
	VMFP-04HN	ALL	ONE	2.5" NPT	42	8	39	4" NPT	26	9	20	0	2.5" NPT	42	8	39
	VMFP-04HT	ALL	ONE	3" NPT	42	8	42	4" NPT	26	9	20	0	3" NPT	42	8	42
	VMFP-06HT, T6HT	ALL	ONE	4"-150 LB	36	10	48	4" NPT	26	9	20	0	4"-150 LB	46	10	50
	VMFP-L6HR, T6HR	ALL	ONE	4"-150 LB	36	10	48	4" NPT	26	9	20	0	4"-150 LB	46	10	50
	JU4H-UF10, 12	ALL	ONE	3" NPT	42	8	42	4" NPT	26	9	20	0	3" NPT	42	8	42
	JU4H-UF20, 22	ALL	ONE	3" NPT	42	8	42	4" NPT	26	9	20	0	3" NPT	42	8	42
	JU4H-UF30, 32	ALL	ONE	4"-150 LB	36	10	48	4" NPT	26	9	20	0	4"-150 LB	46	10	50
	JU4H-UF40, 42	ALL	ONE	4"-150 LB	36	10	48	4" NPT	26	9	20	0	4"-150 LB	46	10	50
	JU4H-UF50, 52	ALL	ONE	4"-150 LB	36	10	48	4" NPT	26	9	20	0	4"-150 LB	46	10	50
	JU6H-UF30, 32	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	JU6H-UF50, 52	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	JU6H-UF60, 62	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	JW6H-UF30, 40	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	JW6H-UF50, 60	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	DDFP-08FA	ALL	ONE	8"-150 LB	49	18	150	8	57	21	110	10.5	8"-150 LB	61	18	145
	DDFP-08FH	ALL	TWO	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	IK6H-UF80	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	IK6R-UF11, 15, 19	ALL	ONE	4"-150 LB	36	10	48	4" NPT	26	9	20	7	4"-150 LB	46	10	50

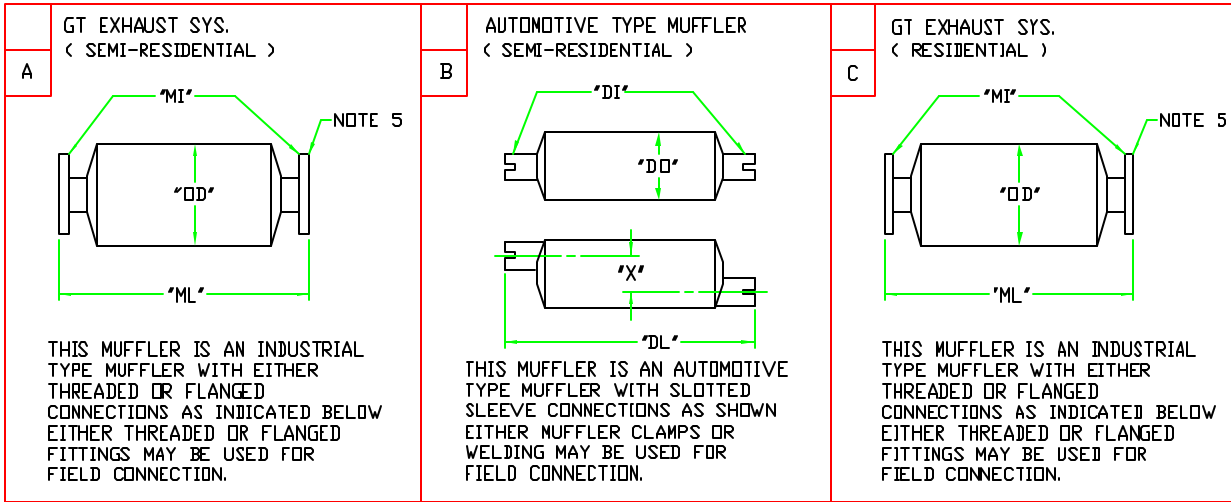
**NOTES:**

1. Only item marked  will be furnished for this job.
2. All flanges are ANSI Std. drilling. Threaded companion flanges are not included.
3. The exhaust system must be installed in accordance with the requirements of NFPA Pamphlet No. 20 and local codes.
4. All dimensions are in inches.
5. Inlet and outlet are concentric.
6. Exhaust pipe and adapters to connect muffler to engine exhaust connector are to be furnished by others.



## HORIZONTAL OR VERTICAL FIRE PUMPS

### Diesel Engine Driven Caterpillar Muffler Outline



X	ENGINE MODEL	RPM	QTY. PER ENGINE	MUFFLER 'A'				MUFFLER 'B'				MUFFLER 'C'				
				MI	ML	DD	WT#	DI	DL	DO	WT#	X	MI	ML	DD	WT#
	3126DITA (126DF00)	1750	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3126DITA (126DF01)	2100	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3126DITA (126DF02)	2300	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3126DITA (126DF03)	2400	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3126DITA (126DF04)	2800	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3126DITA (126DF05)	3000	ONE	8"-150 LB	49	18	150	8	57	21	110	10.5	8"-150 LB	61	18	145
	3406BDIT (PA2519)	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3406BDIT (PA0083)	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3406BDITA (PA2520)	1760	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3406BDITA (PA2520)	1900	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3406BDITA (PA2520)	2100	ONE	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3406BDITA (PA2520)	2300	ONE	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3406BDITA (PA0084)	ALL	ONE	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3408BDITA (PA2521)	ALL	ONE	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3408BDITA (PA3282)	ALL	ONE	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3412DIT (PA2522)	ALL	ONE	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3412DIT (PA3280)	ALL	ONE	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3412DITA (PA2523)	1760	TWO	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3412DITA (PA2523)	1900	TWO	6"-150 LB	42	12	65	6	43	15	49	7	6"-150 LB	54	12	69
	3412DITA (PA2523)	2100	TWO	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3412DITA (PA2523)	2300	TWO	8"-150 LB	49	18	150	6	43	15	49	7	8"-150 LB	61	18	145
	3412DITA (PA3281)	1760	ONE	8"-150 LB	49	18	150	8	57	21	110	10.5	8"-150 LB	61	18	145
	3412DITA (PA3281)	1900	ONE	8"-150 LB	49	18	150	8	57	21	110	10.5	8"-150 LB	61	18	145
	3412DITA (PA3281)	2100	ONE	8"-150 LB	49	18	150	8	57	21	110	10.5	8"-150 LB	61	18	145

**NOTES:**

1. Only item marked  will be furnished for this job.
2. All flanges are ANSI Std. drilling. Threaded companion flanges are not included.
3. The exhaust system must be installed in accordance with the requirements of NFPA Pamphlet No. 20 and local codes.
4. All dimensions are in inches.
5. Inlet and outlet are concentric.
6. Exhaust pipe and adapters to connect muffler to engine exhaust connector are to be furnished by others.

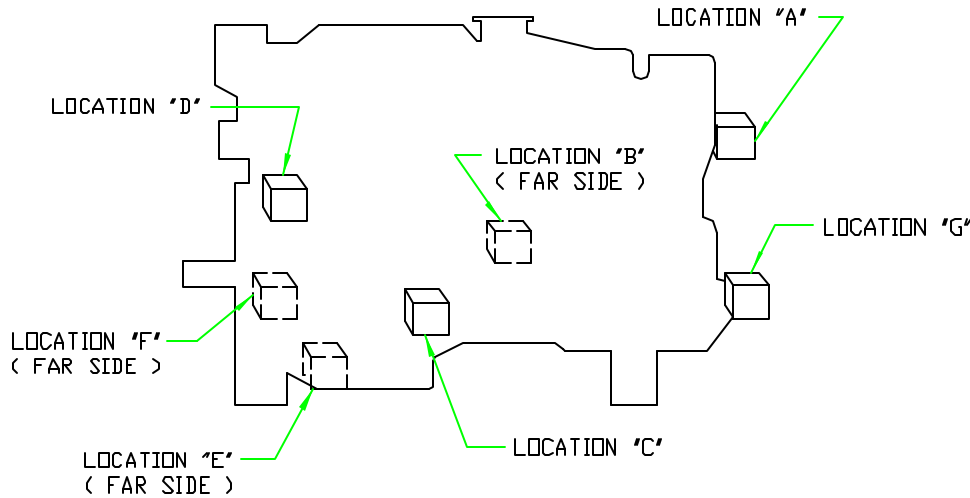




## HORIZONTAL AND VERTICAL FIRE PUMPS

Diesel Engine Driven Units

Engine Pre-heater Outline

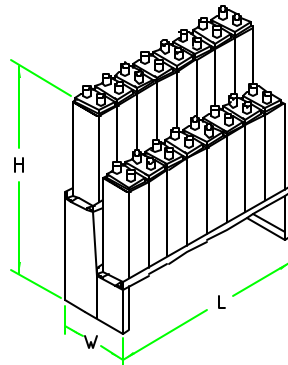


Connect a reliable source of 50/60 Hertz, single phase, AC current to the pressure and/or temperature switch. \*This switch is approximately 4x4x4 and has knockouts for 1/2" conduit. Switch location is indicated above. Pre-heater volts and AMPS are indicated below. \* (For Caterpillar, connect to thermostat switch 5' dia. x 4' high)

X	ENGINE MODEL	SWITCH LOCATION	VOLTS	AMPS	X
	VMFP-04HN, 04HT VMFP-06HT, T6HT, L6HR, T6HR	B	115	8.9	
			230	4.5	
	JW6H-UF30, 40 JW6H-UF50, 60	E	115	21.7	
			230	10.8	
	JU4H-UF10, 12, 20, 22, 30 & 32 JU4H-UF40, 42, 50 & 52 JU6H-UF30, 32, 50, 52, 60 & 62	E	115	13.0	
			230	6.5	
	6CTA8.3F1, F2, F3	B	115	13.0	
			230	6.5	
	6BTA5.9F1, F2, F4	B	115	8.9	
			230	4.5	
	3126DITA	G	115	19.0	
			230	9.5	
	3406BDIT, BDITA	D	115	26.1	
			230	13.1	
	3412DIT, DITA	F	230	26.2	
	EMI-4041D18 & 21-30, 4050T18 & 20	D	115	6.8	
	EMI-4JB1H & R, 4099T & TH, EMI4080D & DH	D	115	9.1	



## HORIZONTAL OR VERTICAL FIRE PUMPS DIESEL ENGINE DRIVEN NICKEL CADMIUM BATTERY OUTLINE



TYPICAL 2-STEP RACK

X	ENGINE		DUAL BATTERY SET						
	MODEL NUMBER	VOLTAGE	CELL MODEL	QTY. OF CELLS	QTY. & STEP OF RACKS	L	W	H	APPROX. WET WT. LBS. (kgs)
	VMFP04HN, 04HT	12	20XHP-45	20	1 - 2	36 (914)	14 (356)	26 (660)	172 (78)
	VMFP06HT, L6HT, T6HR, T6HT	12	20XHP-52	20	1 - 2	36 (914)	14 (356)	26 (660)	176 (80)
	JU4H-UF10, 12, 20, 22, 30, 32	12	20XHP-52	20	1 - 2	36 (914)	14 (356)	26 (660)	176 (80)
	JU4H-UF40, 42, 50, 52	12	20XHP-52	20	1 - 2	36 (914)	14 (356)	26 (660)	176 (80)
	JU6H-UF30, 32	12	20XHP-80	20	1 - 2	36 (914)	14 (356)	28	201 (91)
	JU6H-UF50, 52, 60, 62	12	20XHP-100	20	1 - 2	36 (914)	14 (356)	28	326 (148)
	JW6H-UF30, 40, 50, 60	12	20XHP-100	20	1 - 2	36 (914)	14 (356)	28	326 (148)
	DDFP-08FA, 08FH	24	40XHP-52	40	2 - 2	36 (914)	14 (356)	26 (660)	352 (160)
	3406BDIT, BDITA	24	40XHP-70	40	2 - 2	36 (914)	14 (356)	27 (686)	392 (178)
	3408DIT, DITA	24	36XHP-90	36	2 - 2	36 (914)	14 (356)	28 (711)	578 (262)
	3412DIT, DITA	24	38XHP-100	38	2 - 2	60 (152)	14 (356)	28 (711)	742 (337)
	3126	12	20XHP-90	20	1 - 2	36 (914)	14 (356)	28 (711)	324 (147)
	6BTA5.9F1, F2, F4	12	18XHP-90	18	1 - 2	36 (914)	14 (356)	28 (711)	299 (136)
	6CTA8.3F1, F2, F3	12	20XHP-100	20	1 - 2	36 (914)	14 (356)	28 (711)	326 (148)
	ENI14JB1H & R	12	20XHP-45	20	1 - 2	36 (914)	14 (356)	26 (660)	172 (78)
	ENI4080D & DH, ENI4099T & TH	12	20XHP-52	20	1 - 2	36 (914)	14 (356)	26 (660)	176 (80)
	ENI4041D & ENI4050T	12	20XHP-36	20	1 - 2	36 (914)	14 (356)	26 (660)	172 (78)

- NOTES
1. ONLY ITEM MARKED  WILL BE FURNISHED FOR THIS JOB. WE CERTIFY THE ABOVE BATTERY SET TO MEET MINIMUM REQUIREMENTS OF CURRENT ISSUE OF NFPA PAMPHLET 20.
  2. BATTERY SET INCLUDES THE FOLLOWING:
    - A. FOUR BATTERY CABLES, SIZE 00, 10 FEET LONG TO CONNECT BATTERY SET TO ENGINE.
    - B. BATTERY RACKS, SHIPPED AS A KNOCKED DOWN ASSEMBLY.
  3. BATTERY SET MUST BE MOUNTED AT SIDE OF ENGINE USING STANDARD CABLES PROVIDED.

- DOMESTIC PACKED WITH ELECTROLYTE IN CELLS  
 EXPORT PACKED WITH ELECTROLYTE IN SEPARATE CONTAINER

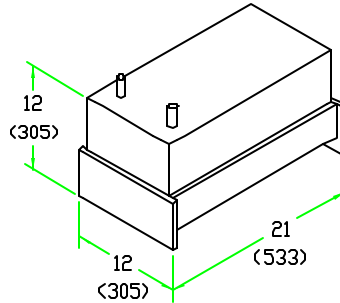
ALL DIMENSIONS ARE IN INCHES AND (mm)

SUBJECT TO CHANGE UNLESS CERTIFIED FOR CONSTRUCTION



## HORIZONTAL OR VERTICAL FIRE PUMPS DIESEL ENGINE DRIVEN

LEAD ACID BATTERY OUTLINE 1.265 SPECIFIC GRAVITY  
PER CURRENT NFPA PAMPHLET 20 REQUIREMENTS



X	ENGINE		DUAL BATTERY SET					
	MODEL NUMBER	VOLTAGE	VOLTAGE	CRANK AMP AT 0°F	BCI GROUP SIZE	QUANTITY OF BATT. & SKIDS NOTE 2,3,4	APPROX. WET WT. POUNDS	APPROX. WET WT. (kgs)
	VMFP04HN, 04HT, D6HT	12	12	880	4D	2	278	(126.1)
	VMFPT6HT, L6HR, T6HR	12	12	880	4D	2	278	(126.1)
	JU6H-UF30, 32, 50, 52, 60, 62	12	12	880	4D	2	278	(126.1)
	JU4H-UF10, 12, 20, 22, 30, 32	12	12	880	4D	2	278	(126.1)
	JU4H-UF40, 42, 50, 52, 60, 62	12	12	880	4D	2	278	(126.1)
	JW6H-UF30, 40, 50, 60	12	12	880	4D	2	278	(126.1)
	DDFP08FA & 08FH	24	12	1100	8D	4-S	658	(298.5)
	[K6H-UF80	12	12	880	4D	2	278	(126.1)
	3126DITA	12	12	880	4D	2	278	(126.1)
	3406BDIT, BDITA	24	12	1100	8D	4-S	658	(298.5)
	3408DIT, DITA	24	12	880	4D	8-P-S	1092	(495.3)
	3412DIT, DITA	24	12	880	4D	8-P-S	1092	(495.3)
	6BTA59FI, F2, F4	12	12	880	4D	2	278	(126.1)
	6CTA83FI, F2, F3	12	12	880	4D	2	278	(126.1)
	EMI4JB1H, R, 4099T, TH, 40B0D, DH	12	12	880	4D	2	278	(126.1)
	EMI4050T18, 20, 4041D18, 21-30	12	12	880	4D	2	278	(126.1)

- NOTES
- ONLY ITEM MARKED [X] WILL BE FURNISHED FOR THIS JOB. WE CERTIFY THE ABOVE BATTERY SET TO MEET MINIMUM REQUIREMENTS OF CURRENT ISSUE OF NFPA PAMPHLET 20.
  - S = TWO 12 VOLT BATT. IN SERIES FOR EACH STARTING UNIT.
  - P = TWO 12 VOLT BATT. IN PARALLEL FOR EACH STARTING UNIT.
  - P-S = TWO 12 VOLT BATT. IN SERIES AND TWO 12 VOLT BATT. IN PARALLEL FOR EACH STARTING CIRCUIT.
  - ALL BATTERIES MUST BE MOUNTED AT SIDE OF ENGINE USING STANDARD CABLES PROVIDED.
  - BEFORE INSTALLING BATTERY CABLES TO BATTERY POSTS, BOTH CONTACTING SURFACES MUST BE CLEANED WITH A BATTERY TERMINAL AND CABLE CLAMP CLEANING BRUSH OR EMERY CLOTH. TORQUE TERMINAL BOLTS TO 50-70 IN LBS. COAT TERMINALS WITH A THIN COATING OF PETROLEUM JELLY OR OTHER APPROPRIATE CORROSION INHIBITOR.

ALL DIMENSIONS ARE IN INCHES AND (mm)

- DOMESTIC PACKED WITH ELECTROLYTE IN A SEPARATE CONTAINER.
- EXPORT PACKED WITH ELECTROLYTE IN A SEPARATE CONTAINER.
- EXPORT PACKED WITH ELECTROLYTE PROVIDED BY CUSTOMER.

4849503  
REV.M 10-04

SUBJECT TO CHANGE UNLESS CERTIFIED FOR CONSTRUCTION

**Blank**

# Flotronix

## LEAK SENSING FLOAT SWITCH ASSEMBLY FOR DOUBLE WALL TANKS

MODEL # FLO-L10785

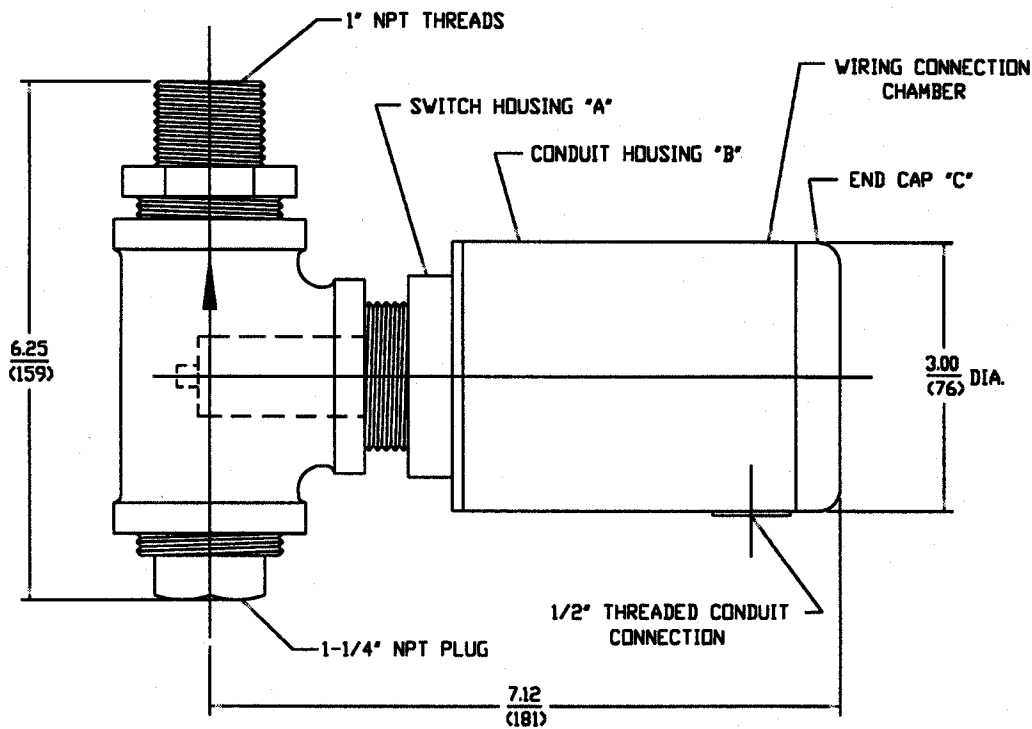


### Description

- Complete leak sensing switch assembly, designed for easy mounting on double wall fuel tanks
- Mounts directly in the 1" NPT annular space drain found on most fuel tanks
- Complete assembly, including magnetic float switch with contact, cast iron tee and fittings and large conduit housing – no other parts required!
- Simple to install and wire to controller or alarm panel

### Specifications

- Float switch – polypropylene
- Conduit housing – polypropylene
- Tee and fittings – cast iron
- Switch contact – normally open (N.O.) closed to alarm
- Contact rating – 1 amp max. @ 24VDC resistive, .08 amp @ 120VAC resistive, pilot duty only
- Weight – 4 lbs.



**Installation notes:**

1. The leak detection switch assembly is direction sensitive. It must be installed in the annular space drain opening on the bottom of the fuel tank with the 1" fitting facing upward. The direction arrow on the tee must be pointing up.
2. The threaded switch housing "A" of the leak detection switch is glued into the 1-1/4" tee. It must remain in this configuration for proper operation. To verify the correct position, the switch housing "A" has a "TOP" label affixed.
3. The unit is shipped with the 1/2" conduit fitting pointing down. It may be reconfigured so that it is pointing up by following the procedures below:
  - a. Turn the conduit housing "B" counter-clockwise 1/4 turn to release the conduit housing "B" from the switch housing "A". Make sure that the switch housing "A" does not turn in relation to the tee.
  - b. Rotate the conduit housing "B" 180 degrees and insert it back into the threaded portion.
  - c. Turn the conduit housing "B" clockwise 1/4 turn to tighten. Make sure that the switch housing "A" does not turn in relation to the tee.
4. The wiring connection chamber is accessed by unscrewing the end cap "C". To unscrew end cap "C", turn it counter-clockwise. Make sure that the switch housing "A" does not turn in relation to the tee.
5. After making the electrical connection, reinstall the end cap "C". Make sure that the switch housing "A" does not turn in relation to the tee.

**Specifications:**

- 1) Contact is "normally open" (N.O.) closed to alarm.
- 2) Contact rating: 1 amp max @ 24VDC resistive, .08 amp @ 120 VAC resistive, pilot duty.
- 3) Shipping weight 4 LBS. / 1.82 kg.
- 4) Dimensions in inches and (millimeters)

PATENT PENDING

**Flotronix®**

ENGINEERED CONTROL SPECIALISTS

FLOTRONIX CORPORATION  
 8481 BASH STREET, UNIT 1500  
 INDIANAPOLIS, INDIANA 46250  
 (317) 849-7377  
 (FAX: (317) 849-7337)

LEAK SENSING FLOAT SWITCH  
 FOR DOUBLE WALL TANKS

DATE: DWG/REVISED

1/29/00 C.M.

5/4/00 WGV

MODEL # FLO-L10785

DWG # 00001 CHECKED BY: J.A.K.R.

SHEET # 1 OF 1 SCALE: 1:2