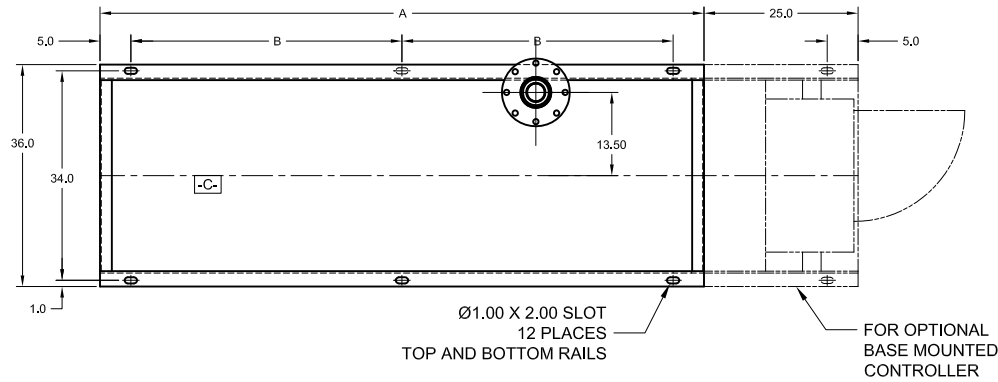


**CLARKE FIRE PUMP DRIVERS**  
**EPA NSPS TIER 2 ENGINE MODELS**  
**HSC 8100 SERIES PUMPS**



- A- - MOUNTING FACE OF FLYWHEEL
- B- - ENGINE CRANKSHAFT HORIZONTAL CENTERLINE
- C- - ENGINE CRANKSHAFT VERTICAL CENTERLINE
- D- - PUMP SHAFT HORIZONTAL CENTERLINE



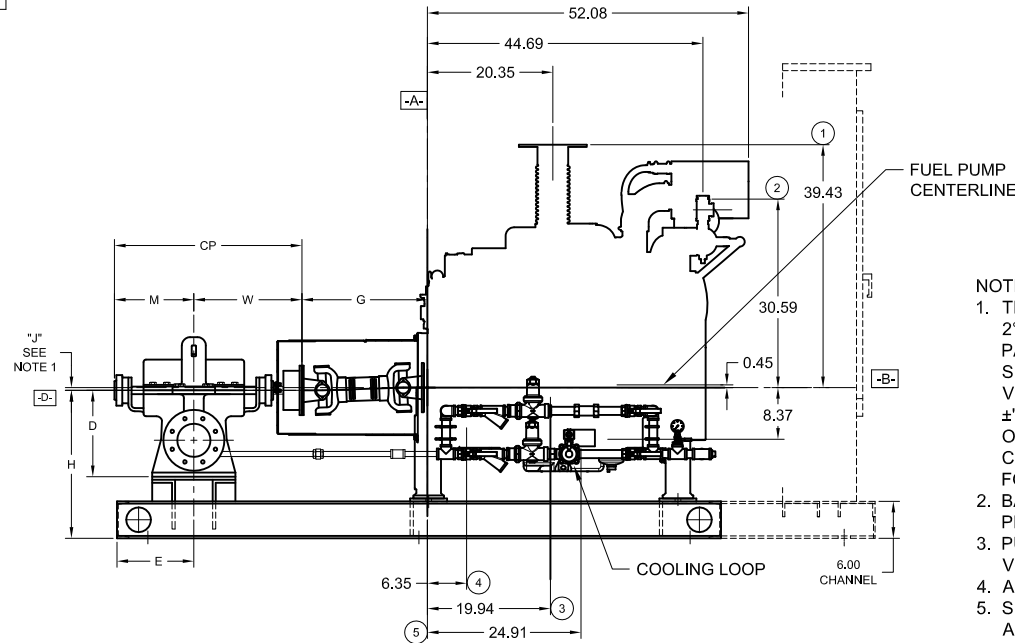
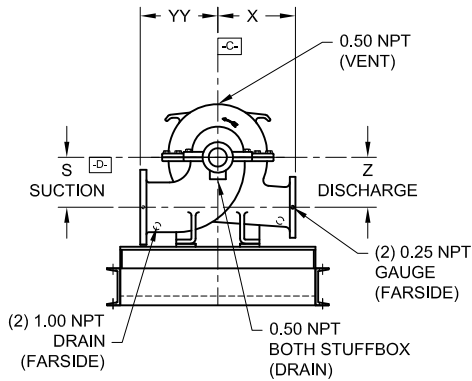
ITEM NO.	DESCRIPTION	CONNECTION SIZE
1	EXHAUST OUTLET CONNECTION	6" 150# FLG EXHAUST
2	RAW WATER OUTLET	SEE NOTE 6
3	FUEL SUPPLY CONNECTION (FARSIDE)	1/2" NPTF
4	FUEL RETURN CONNECTION (FARSIDE)	3/8" NPTF
5	HEATER JUNCTION BOX	VOLTAGE REQUIREMENTS: AC CONNECTION HEATER 2000 WATTS STD- 115 VAC ±5%-10% OPT- 230 VAC ±5%-10%

UL LISTED DRIVESHAFT				
ENGINE MODEL	DRIVESHAFT MODEL	DIM: G	DIM: J	DIM: K
ZF6H-UFAC60, AC70	CDS50-SC*	20.38	0.45	0.11

\*1470, 1760 & 2100 RPM ONLY

NON-LISTED DRIVESHAFT	
ENGINE MODEL	DRIVESHAFT MODEL
ZF6H-UFAC60, AC70	SC81A**

\*\*2350 & 2650 RPM ONLY



**NOTES:**

1. THE DRIVE SHAFT IS DESIGNED TO OPERATE AT A 2° ANGLE WITH THE INPUT AND OUTPUT SHAFTS IN PARALLEL. THE ENGINE CRANKSHAFT IS TO BE SET WITH A PARALLEL OFFSET OF "J" ± "K" INCHES VERTICALLY ABOVE THE PUMP SHAFT AND 0.00" ±"K" INCH PARALLEL OFFSET HORIZONTALLY RIGHT OR LEFT OF THE PUMP SHAFT. REFER TO THE CERTIFIED DRIVESHAFT INSTRUCTIONS MANUAL FOR ALIGNMENT INSTRUCTIONS.
2. BASE MUST BE COMPLETELY FILLED WITH GROUT PER NFPA 20.
3. PUMP IS CW (CLOCKWISE) ROTATION WHEN VIEWED FROM THE COUPLING END.
4. ALL DIMENSIONS ARE IN INCHES.
5. SUCTION AND DISCHARGE FLANGES DRILLED PER ANSI B16.1 (IF APPLICABLE).
6. RAW WATER DRAIN PIPING SIZE VARIES BASED UPON SITE CONDITIONS. ENGINE CONN. SIZE: 1-1/4" NPT

PUMP TYPE	PUMP SIZE		DIMENSIONS												
	SUCT.	DISCH.	A	B	H	E	M	W	CP	D	YY	X	S	Z	
8X6X18F	8	6	108	49	24	18.75	15.62	21.25	36.87	14.00	16.00	14.00	9.00	9.00	
10X8X17F	10	8	108	49	26	17.44	17.00	22.56	39.56	16.00	18.00	16.00	10.00	10.00	
10X8X20F-S/L	10	8	108	49	30	17.44	17.00	22.56	39.56	20.00	20.00	18.00	14.00	14.00	
12X10X18F	12	10	108	49	28	17.44	17.00	22.56	39.56	18.00	20.00	18.00	11.00	11.00	

NOT FOR CONSTRUCTION, INSTALLATION OR APPLICATION PURPOSES UNLESS CERTIFIED.								
CERTIFIED FOR:						APPROVAL		
						UL	FM	ULC
CUSTOMER ORDER NO:						IDENTIFICATION NO:		
						FLANGES		
PUMP DATA	SIZE	MODEL	CURVE NO.	GPM	HEAD (FT.)	ROTATION	SUCTION	DISCHARGE
							CW	
ENGINE DATA	MAKE	MODEL	HP	RPM	VOLTAGE	POLARITY	MAX ALTITUDE	
	CLARKE						NEG.	
SHOP ORDER:			CERTIFIED BY:			TOTAL WEIGHT		DATE: