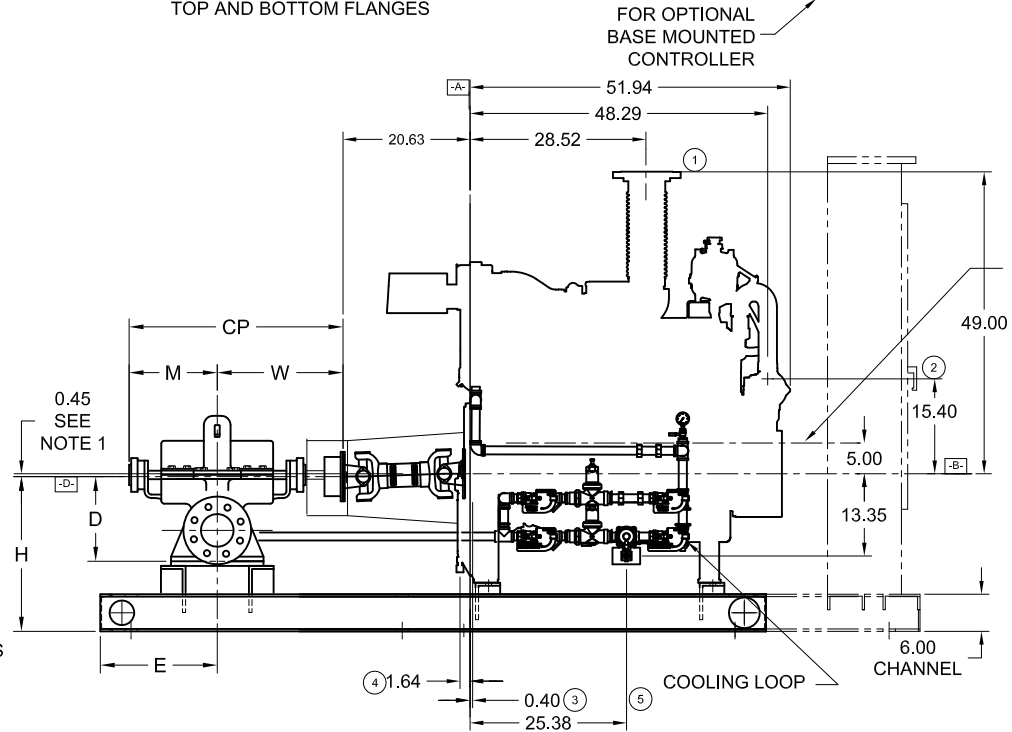
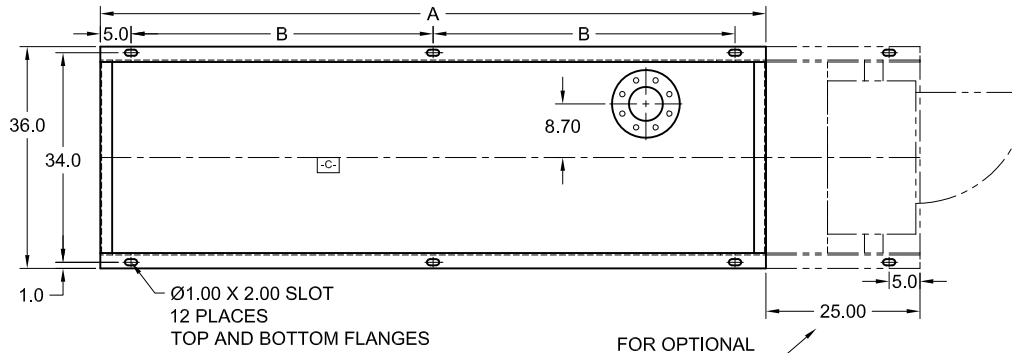
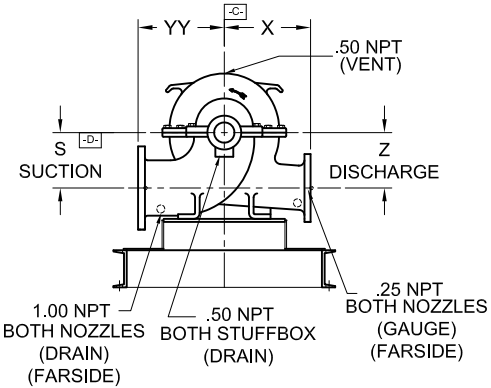


CLARKE FIRE PUMP DRIVERS
NON-EMISSION ENGINE MODELS
HSC 8100 SERIES PUMPS



- 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.
②	RAW WATER OUTLET	SEE NOTE 6.
③	FUEL SUPPLY CONNECTION	1/2" NPTF
④	FUEL RETURN CONNECTION	3/8" NPTF
⑤	HEATER JUNCTION BOX	VOLTAGE REQUIREMENTS: AC CONNECTION HEATER 2000 WATTS STD- 230 VAC ±5%-10% OPT- 115 VAC ±5%-10%



UL LISTED DRIVESHAFT	
ENGINE MODEL	DRIVESHAFT MODEL
DQ6H-UFAA50, 60, 88, 98	CDS50-SC

- 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 0.45 ±0.11 INCHES VERTICALLY ABOVE THE PUMP SHAFT AND 0.00" ±0.11 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
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	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			
	MAKE	MODEL	HP	RPM	VOLTAGE	POLARITY	MAX ALTITUDE				
ENGINE DATA	CLARKE					NEG.					
SHOP ORDER:			CERTIFIED BY:			TOTAL WEIGHT		DATE:			