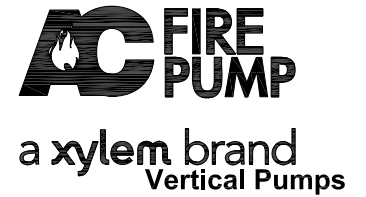
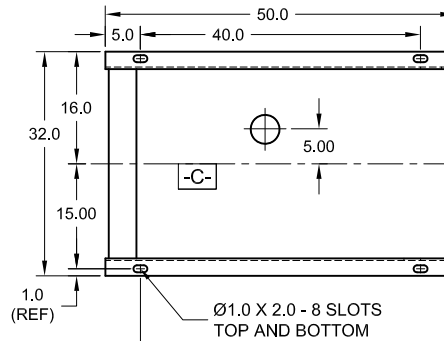


CLARKE FIRE PUMP DRIVERS
EPA NSPS TIER 1 ENGINE MODELS
VT APPLICATIONS



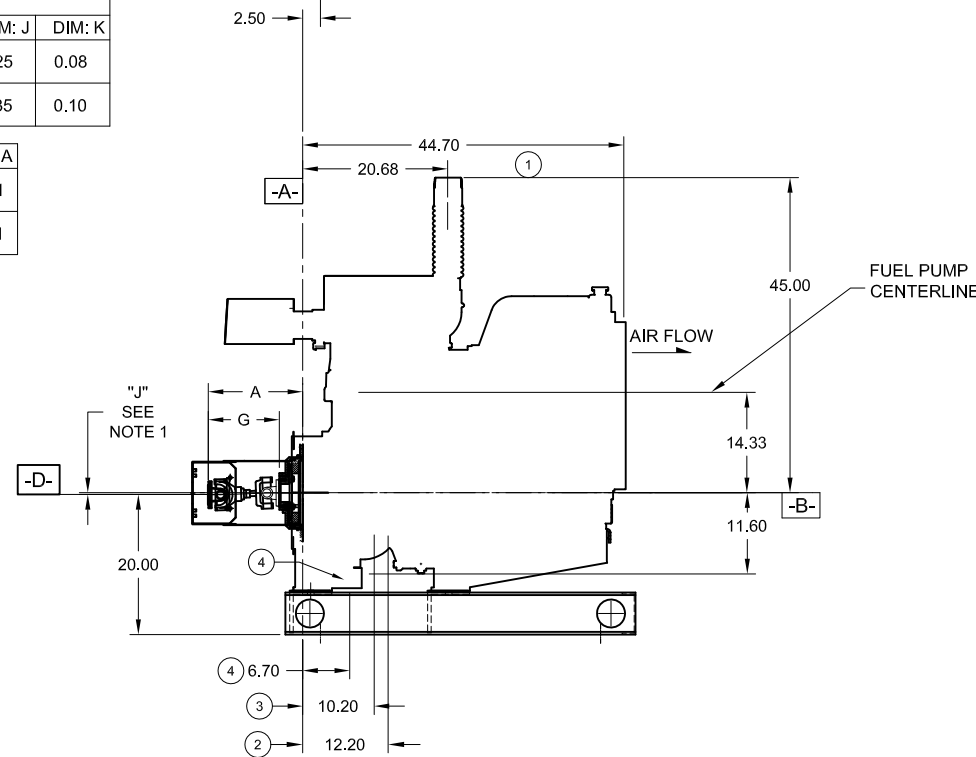
- A- - MOUNTING FACE OF FLYWHEEL
- B- - ENGINE CRANKSHAFT HORIZONTAL CENTERLINE
- C- - ENGINE CRANKSHAFT VERTICAL CENTERLINE
- D- - RIGHT ANGLE GEAR SHAFT CENTERLINE



| UL LISTED DRIVESHAFT | | | | |
|----------------------|------------------|--------|--------|--------|
| ENGINE MODEL | DRIVESHAFT MODEL | DIM: G | DIM: J | DIM: K |
| JU4R-UF40 | CDS20-SC | 10.50 | 0.25 | 0.08 |
| JU4R-UF49,51,53 | CDS30-S1 | 15.25 | 0.35 | 0.10 |

| ITEM NO. | DESCRIPTION | CONNECTION SIZE |
|----------|----------------------------------|---|
| ① | EXHAUST OUTLET CONNECTION | 4" NPT FLEX EXHAUST |
| ② | FUEL SUPPLY CONNECTION (FARSIDE) | 1/2" NPTF |
| ③ | FUEL RETURN CONNECTION (FARSIDE) | 3/8" NPTF |
| ④ | HEATER JUNCTION BOX | VOLTAGE REQUIREMENTS: AC CONNECTION HEATER 1500 WATTS STD -115VAC +5% -10% OPT -230VAC +5% -10% |

| DRIVESHAFT MODEL | COUPLING MODEL | DIM: A |
|------------------|-----------------|--------|
| CDS20-SC | TC25-11.5-55 FS | 14.61 |
| CDS30-S1 | TC25-11.5-61FS | 19.41 |



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. ALL DIMENSIONS ARE IN INCHES.
3. BASE MUST BE COMPLETELY FILLED WITH GROUT PER NFPA 20.
4. ENGINE IS CW (CLOCKWISE) ROTATION WHEN VIEWED FROM THE RADIATOR/FRONT.
5. SUCTION AND DISCHARGE FLANGES DRILLED PER ANSI B16.1 (IF APPLICABLE).

| 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: | |