

# CIRCULATING HEATING SYSTEMS

## CLER Model

### STANDARD COOLANT HEATING SYSTEMS

ENGINE DISPLACEMENT (In Cubic Inches)	MODEL NUMBER	KW	Volts	Hertz	Ø	Total Amps	HP/GPM
<b>2000 TO 6000</b>	CLER11202	12	240	60	1	55.8	3/4 HP/40 GPM
	CLER11202-5	12	240	50	1	55.8	3/4 HP/33 GPM
<b>4000 TO 8000</b>	CLER31802	18	240	60	3	46.9	3/4 HP/40 GPM
	CLER31803-5	18	380	50	3	30.0	3/4 HP/33 GPM
	CLER31804	18	480	60	3	23.9	3/4 HP/40 GPM
<b>6000 TO 10,000</b>	CLER32402	24	240	60	3	61.4	3/4 HP/40 GPM
	CLER32403-5	24	380	50	3	39.1	3/4 HP/33 GPM
	CLER32404	24	480	60	3	31.7	3/4 HP/40 GPM
<b>10,000 TO 15,000</b>	CLER33003-5	30	380	50	3	48.3	3/4 HP/33 GPM
	CLER33004	30	480	60	3	38.8	3/4 HP/40 GPM

### COOLANT HEATING SYSTEMS

Kim Hotstart's large capacity coolant heating systems heat and circulate coolant throughout the engine's cooling system to efficiently maintain an engine at optimum starting temperatures. This versatile heating system is available for engines from 2,000 to 15,000 C.I.D. Maintaining jacket water temperatures insures easy starting, reduces harmful emissions at start-up and allows engines to go to full power without needless idling. Circulating heated coolant also warms the pre-ignition chamber on lean-burn engines which greatly aids engine start-up. All **CLER** models, explosion resistant by design, are engineered to function in hazardous locations; ensuring safe, electrical operation. All **CLER** systems are CSA approved.



All systems up to 27kw (coolant) carry CSA approval.

### Typical CLER System (Explosion Proof)

### CLER SYSTEM FEATURES

- Pressure switch for automatic operation
- Universal mounting for varied mounting configuration
- 100° to 120°F fixed thermostats
- On/Off switch for manual control
- Explosion proof/Watertight control box rated for Class 1 Group D Div. 1 & 2 and rated NEMA 12
- PVC jacketed MI cable resistant to sour gas
- Viton mechanical seal pumps for extended seal life and temperatures to 350°F
- External motor protective switch reset button

# SYSTEM DRAWINGS

## Typical *CLER* System FEATURES AND DIMENSIONS

