



CIRCULATING HEATING SYSTEMS

CSM Model

COOLANT HEATING SYSTEMS							
Engine Size CID	Engine Size Liter	Part Number	Wattage	Voltage	Phase	Hz	Amps
1000 to 2000	15-30	CSM10301-000	3000	120	1	60	27.0
		CSM10308-000	3000	208	1	60	16.4
		CSM1030C-000	3000	220	1	50	15.6
		CSM10302-000	3000	240	1	60	14.5
2000 to 3000	25-50	CSM10608-000	6000	208	1	60	30.8
		CSM1060C-000	6000	220	1	50	29.3
		CSM10602-000	6000	240	1	60	27.0
		CSM10604-000	6000	480	1	60	14.5
		CSM30603-000	6000	380	3	50	11.1
		CSM30604-000	6000	480	3	60	9.2
3000 to 4500	50-75	CSM10908-000	9000	208	1	60	45.3
		CSM1090C-000	9000	220	1	50	42.9
		CSM10902-000	9000	240	1	60	39.5
		CSM10904-000	9000	480	1	60	20.8
		CSM30903-000	9000	380	3	50	15.7
		CSM30904-000	9000	480	3	60	12.8
4500 to 6000	75-100	CSM11202-000	12000	240	1	60	52.0
		CSM11204-000	12000	480	1	60	27.0
		CSM31203-000	12000	380	3	50	20.3
		CSM31204-000	12000	480	3	60	16.5

The CSM is a coolant heating system designed for engines ranging in size from 15L-100L. The 10 GPM (2.2 m³/hr) pump-driven CSM offers more efficient heating than thermo-siphon tank heaters, delivering uniform heating throughout the entire engine. On larger engines, one CSM eliminates the need for two thermo-siphon heaters. Forced circulation of the coolant extends element life and offers a significant reduction in electrical consumption. Lower outlet temperatures result in extended hose life requiring less heater maintenance. The CSM features a low-watt density heating element and adjustable thermostat with optional temperature settings. The compact design requires minimal space for mounting and requires less installation time and material compared to configurations with two tank heaters. All 60Hz systems are UL listed to United States and Canadian safety standards and meet requirements for installation on any UL 2200 listed generator set. All 50Hz models are CE compliant.

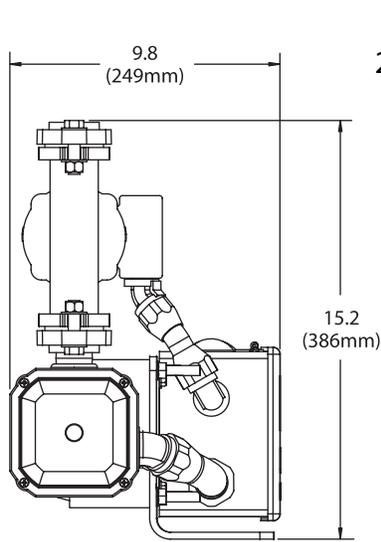
Other wattage and voltage configurations available

CSM Features/Advantages

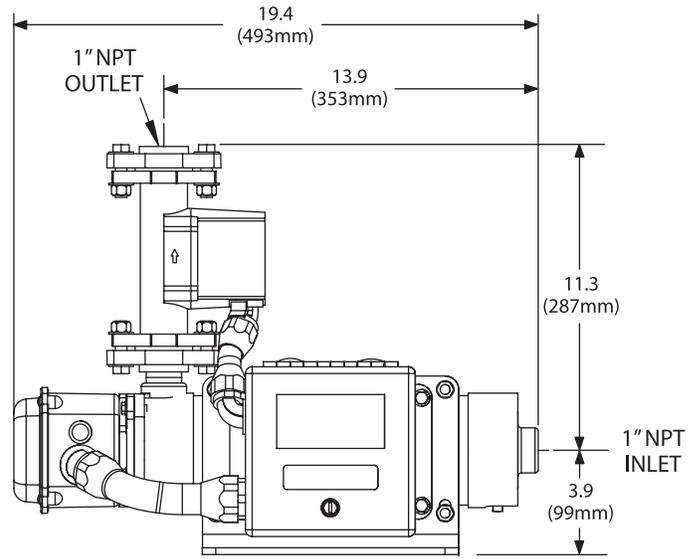
- UL-C/US listed (60Hz models) - E250789
- CE compliant (50Hz models)
- Adjustable thermostat (90°-130°F/32°-55°C)
- Forced circulation provides uniform engine heating
- Reduced outlet temperature - extends hose life
- Reduced electrical consumption
- Includes all required controls for automatic operation
- Compact design - simple to install



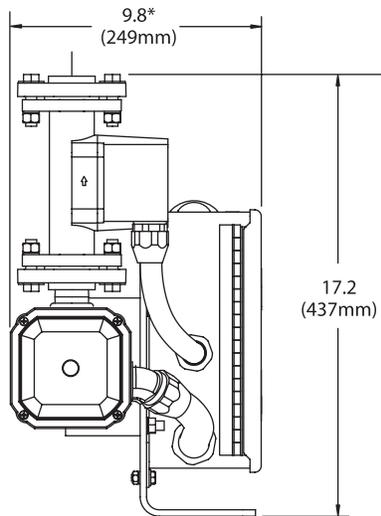
CSM Dimensions



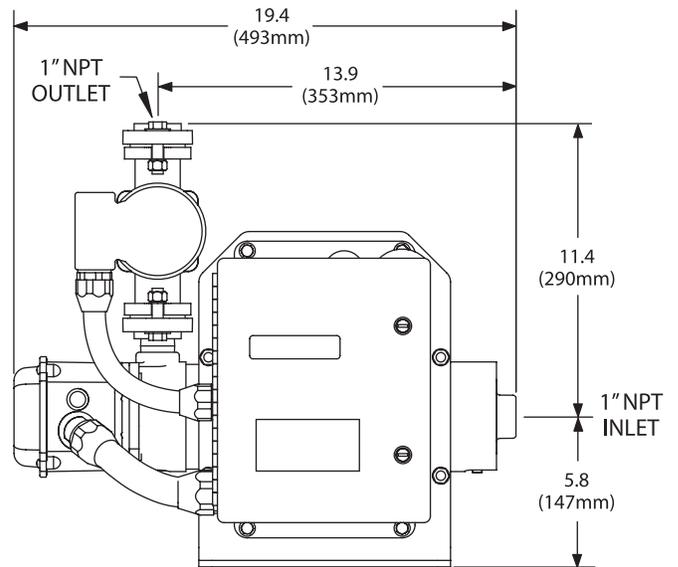
1Ø
240v or less



Shipping Weight: 37lbs (16.8kg)



1Ø or 3Ø
Over 240v



Shipping Weight: 54lbs (24.5kg)

* For CE compliant models, overall
depth measures 10.8" (274mm)

