



Image shown might not reflect actual configuration

Standby 175 kW 219 kVA – 60 Hz

- UL2200:** Evaluated by ETL to UL Standard for Safety UL2200
- CSA:** Designed in accordance to CSA22.2 standards
- NFPA:** Facilitates compliance with NFPA110
- Type 10:** Product was tested to NFPA110 Type 10

SPECIFICATIONS

Engine		Cooling System	
Engine Model	14.2 L, In-line 6, 4-cycle	Cooling System Type	Pressurized Closed Recovery
Bore x Stroke	135 mm x 165 mm (5.31 in x 6.50 in)	Water Pump Flow – gpm (lpm)	94 (356)
Displacement	14.17 L (864.71 in ³)	Coolant Heater Standard Voltage/Wattage	120 V/1500 W
Compression Ratio	9.5:1	Fuel System	
Aspiration	Turbocharged-Aftercooled	Fuel Type	Natural Gas
Fuel System	Carburetor, Down Draft	Carburetor	Down Draft
Governor	Electronic	Secondary Fuel Regulator	Standard
Fuel Type	Natural Gas	Fuel Shut Off Solenoid	Standard
Emission Certifications	U.S. EPA Certified	Operating Fuel Pressure (Standard)	7" - 11" H ₂ O
Rated Engine Speed	1800 rpm	Engine Electrical System	
General		System Voltage	24 VDC
Cylinder No.	6	Battery Charger Alternator	Standard
Engine Governing		Battery Voltage	(2) 12 VDC
Frequency Regulation (Steady State)	+/- 0.25%		
Lubrication System			
Oil Pump Type	Gear		
Oil Filter Type	Full-flow Cartridge		
Crankcase Capacity – L (qts)	34.3 (36.2)		

ENGINEERED OPTIONS

Engine System	Coolant Heater Ball Valves	Enclosure	Motorized Dampers
	Fluid Containment Pans		Enclosure Ambient Heaters
Alternator System	3rd Breaker Systems	Control System	EMCP 4.2B
Generator Set	Special Testing		Battery Disconnect Switch
	Battery Box		

POWER RATINGS – NATURAL GAS

Natural Gas		
Single-Phase 120/240 VAC @1.0pf	175 kW	Amps: 729
Three-Phase 120/208 VAC @0.8pf	175 kW	Amps: 607
Three-Phase 120/240 VAC @0.8pf	175 kW	Amps: 526
Three-Phase 277/480 VAC @0.8pf	175 kW	Amps: 263
Three-Phase 346/600 VAC @0.8pf	175 kW	Amps: 210

STARTING CAPABILITIES (SKVA)

		sKVA vs. Voltage Dip											
		480 VAC						208/240 VAC					
Alternator	kW	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	175	187	280	373	467	560	653	140	210	280	350	420	490
Upsize 1	200	187	280	373	467	560	653	140	210	280	350	420	490
Upsize 2	250	263	395	527	658	790	922	197	296	395	494	593	692

FUEL CONSUMPTION RATES*

Natural Gas – ft ³ /hr (m ³ /hr)	
Percent Load	Standby
25%	819 (23.2)
50%	1404 (39.8)
75%	1895 (53.7)
100%	2340 (66.3)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Air Flow (inlet air combustion and radiator)	ft ³ /min (m ³ /min)	9389 (265.9)
Coolant System Capacity	gal (Liters)	6.1 (23.1)
Heat Rejection to Coolant	BTU/hr	597,740
Max. Operating Air Temp on Radiator	°F (°C)	122 (50)
Max. Operating Ambient Temperature (Before Derate)	°F (°C)	110 (43.3)
Maximum Radiator Backpressure	in H ₂ O	0.5

COMBUSTION AIR REQUIREMENTS

		Standby
Flow at Rated Power	cfm (m ³ /min)	389 (11.0)

ENGINE

		Standby
Rated Engine Speed	rpm	1800
Horsepower at Rated kW**	hp	267
BMEP	psi	157

** Refer to "Emissions Data Sheet" for maximum bhp for EPA and SCAQMD permitting purposes.

EXHAUST

		Standby
Exhaust Flow (Rated Output)		389 (11.0) 1349 (38.2)
Maximum Recommended Backpressure	inHg	0.75
Exhaust Temp (Rated Output)	°F (°C)	1378 (748)
Exhaust Outlet Size (Open Set)	in	3.5" ID Flex (no muffler)

Deration – For power deration rates reference, please consult Cat LEHE1699-00.

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