



Generator set data sheet

Model	C350N6
Frequency	60 Hz
Fuel type	Natural gas
kW (kVa) rating	350 (437) standby
Emissions	EPA-certified for stationary emergency applications

Exhaust emission data sheet	EDS-3065
Sound performance data sheet	MSP-4057
Cooling performance data sheet	MCP-2105
Prototype test summary data sheet	PTS-688
Standard set-mounted radiator cooling outline	C350N6-01

Fuel consumption		1/4 load	1/2 load	3/4 load	full load
Fuel consumption for cfh and m ³ /hr is based on 905 Btu/ft ³ .					
cfh		1310	2560	3587	4615
m³/hr		37	72	102	131
MMBtu/hr		1.50	2.49	3.49	4.49

Fuel supply

Fuel supply pressure is measured at the factory-supplied fuel shut-off (FSO) valve.

Minimum operating pressure, in. H₂O (kPa)	14 (3.5)
Maximum operating pressure, in. H₂O (kPa)	20 (5)

Engine	Standby	Prime	Continuous
Engine manufacturer	Cummins		
Engine model	KTA19		
Configuration	Inline 6		
Aspiration	Turbocharged and coolant-air aftercooled		
Gross engine power output, bhp (kWm)	530 (395)		
BMEP at set rated load, psi (kPa)	202 (1393)		
Bore, in. (mm)	6.25 (159)		
Stroke, in. (mm)	6.25 (159)		
Rated speed, rpm	1800		

Engine (cont'd.)	Standby	Prime	Continuous
Piston speed, ft./min (m/s)	1875 (9.5)		
Compression ratio	8.5:1		
Lube oil capacity, qt. (L)	64 (61)		
Overspeed limit, rpm	2100		
Regenerative power, kW	55		

Air

Combustion air, cfm (m ³ /min)	1219 (34.5)		
Max air cleaner restriction (dirty filter), in. H ₂ O (kPa)	25 (6.2)		
Alternator cooling air, cfm (m ³ /min)	2098 (59.41)		

Exhaust

Exhaust flow at set rated load, cfm (m ³ /min)	3120 (93.6)		
Exhaust temp, °F (°C)	1286 (697)		
Max allowable system back pressure, in. H ₂ O (kPa)	27.3 (6.8)		

Cooling

Ambient design, °F (°C)	104 (40)		
Fan load, HP (kWm)	37 (27.6)		
Coolant capacity (with radiator), gal (L)	35 (132)		
Cooling system air flow, acfm (m ³ /min)	40,870 (1226)		
Heat rejected, jacket water circuit, Btu/min (MJ/min)	16,753 (17.67)		
Heat rejected, after-cooler circuit, Btu/min (MJ/min)	6277 (6.62)		
Total heat radiated to room, Btu/min (MJ/min)	23,030 (24.29)		
Max cooling air flow static restriction, in. H ₂ O (kPa)	0.5 (0.12)		

Weight

Weight represents a set with standard features. See outline drawing for weights of other configurations.

Unit wet weight lbs. (kgs)	8840 to 10,429 (4010 to 4730)
----------------------------	-------------------------------

Full-load amperage (FLA) at rated voltage

Three-phase FLA based on 0.8 power factor (PF).

120/240 (1 Ph)	120/208	127/220	139/240	220/380	240/416	254/440	277/480	347/600
N/A	1214	1148	1052	665	607	574	526	421

Derates

Engine power available up to 500 ft. (152 m) and ambient temperatures up to 104 °F (40 °C). Above these conditions, derate at 6% per 984 ft. (300 m) and 10.6% per 18 °F (10 °C) to a maximum of 10,000 ft.

Ratings definitions

Emergency standby power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power is in accordance with ISO 3046, AS 2789, DIN 6271, and BS 5514.

Prime power (PRP):

Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271, and BS 5514.

Base load (continuous) power (COP):

Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) is in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271, and BS 5514.

Demand Response Power Rating - Spark Ignited Gas (DRP):

Applicable for supplying electrical power in parallel with commercially available power in variable and non-variable load applications. This fuel rating is intended for use in situations where power outages are contracted, such as in utility power curtailment. Engine operation is limited to a total of 500 hours per year. Engines may be operated in parallel to the public utility for up to 500 hours per year, with an average load factor no greater than 80% of rated Demand Response Power. Engines with Standby Power ratings available can be run in Emergency Standby applications up to the Standby Power rating for up to 50 hours per year. The customer should be aware, however, that the life of any engine will be reduced by constant high load operation.

ISO 9001:2015

This product has been manufactured under the controls established by an approved management system that conforms with ISO 9001:2015.

Warning: Backfeed to a utility system can cause electrocution and/or property damage. Do not connect GenSets to any building electrical system except through an approved device or after the building main disconnect is open. Neutral connection must be bonded in accordance with National Electrical Code.

Specifications are subject to change without notice.

Power You Can Rely On

To order, contact centralregionorders@cummins.com.
Visit cummins.com to view all your power solutions.



Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

1-800-CUMMINS™ (1-800-286-6467)
cummins.com

Printed in U.S.A.
©2022 Cummins Inc.