

Generator Set Data Sheet



Model: **DQKAN**
Frequency: **60 Hz**
Fuel Type: **Diesel**
kW Rating: **2500 Standby**
2250 Prime
Emissions Level: **EPA NSPS Stationary Emergency Tier 2**

Exhaust emission data sheet:	EDS-1153
Exhaust emission compliance sheet:	EPA-1223
Sound performance data sheet:	MSP-1189
Cooling performance data sheet:	MCP-269
Prototype test summary data sheet:	PTS-315
Standard set-mounted radiator cooling outline:	A054H274

Fuel Consumption	kW (kVA)			
	Ratings	2500 (3125) †		
Load	1/4	1/2	3/4	Full
US gph	50.6	91.1	133.6	173.1
L/hr	191.5	344.9	505.7	655.3

†DCC available at standby power subject to Cummins' site-specific assessment. Please contact your Cummins Distributor.

Engine

Engine manufacturer	Cummins Inc.
Engine model	QSK60-G19 NR2
Configuration	Cast iron, V 16 cylinder
Aspiration	Turbocharged and low temperature after-cooled
Gross engine power output, kWm (bhp)	2715 (3640)
BMEP at set rated load, kPa (psi)	3007 (436)
Bore, mm (in.)	159 (6.25)
Stroke, mm (in.)	190 (7.48)
Rated speed, rpm	1800
Piston speed, m/s (ft/min)	11.4 (2243)
Compression ratio	14.5:1
Lube oil capacity, L (qt)	378 (400)
Overspeed limit, rpm	2070
Regenerative power, kW	207

Fuel Flow

Maximum fuel flow, L/hr (US gph)	1105 (292)
Maximum fuel inlet restriction, clean/dirty, kPa (in Hg)	16.9 (5) / 30 (9)
Maximum fuel inlet temperature, °C (°F)	71 (160)

Air

Combustion air, m ³ /min (scfm)	193 (6829)
Maximum air cleaner restriction, clean/dirty, kPa (in H ₂ O)	1.3 (7) / 5.3 (20.6)
Alternator cooling air, m ³ /min (cfm)	222 (7840)

Exhaust

Exhaust flow at set rated load, m ³ /min (cfm)	517 (18269)
Exhaust temperature, °C (°F)	551 (1022)
Maximum back pressure, kPa (in H ₂ O)	7.4 (30)

Standard Set-Mounted Radiator Cooling

Ambient design, °C (°F)	48 (118)
Fan load, kW _m (HP)	54 (72)
Coolant capacity (with radiator), L (US gal)	681.4 (180)
Cooling system air flow, m ³ /min (scfm)	2649 (93550)
Total heat rejection, MJ/min (Btu/min)	88.4 (83894)
Maximum cooling air flow static restriction, kPa (in H ₂ O)	0.12 (0.5)

Weights¹

Unit dry weight kgs (lbs)
Unit wet weight kgs (lbs)

Refer to drawings for specific weights and dimensions

¹ Weights represent a set with standard features. See outline drawing for weights of other configurations.

Derating Factors

Full rated power available up to 300 m (1000 ft.) at ambient temperature up to 43 °C (110 °F). Above these elevations, derate at 5% per 300 m (1000 ft.) and 12% per 10 °C (18 °F).

Ratings Definitions

Emergency Standby Power (ESP): Applicable for supplying power continuously to varying electrical loads for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528 and ISO 3046-1, obtained and corrected in accordance with ISO 15550.