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CUMMINS ENGINES

Rating Definition

Standby Power

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure.

No overload is permitted on these ratings.

Output Ratings

Frequency	Voltage	kVA	kWe
60 Hz	440-220V	1563	1250

Technical data

Engine Model:	KTA50G3
Alternator Model:	PI734A
Number of Cylinders:	16 Cylinder Vee
Bore/Stroke :in (mm)	6.25 x 6.25 (159 x 159)
Compretn ratio:	13.9:1
Aspiration:	Turbocharged & Aftercooled
Frequency:	60 Hz
Engine Speed:	1800 rpm
Gross engine power: BHP(kWm)	1850 (1380)
BMEP: psi (kPA)	265 (1827)
Piston Speed: ft/min (m/s)	1875 (9.5)
Fuel Consump: lt / hr - 100%load	330
Heat Rejection to Exhaust System: BTU/min (kWm)	53000 (935)
Heat Rejection to cooling System: BTU/min (kWm)	51000 (900)
Exhaust Temperature: °F (°C)	887 (475)
Radiator cooling Air Flow: m³/seg - FPM	call factory
Exhaust Gas Flow: cfm (liter/s)	9100 (4295)



Dimensions and Weights

Length:cm	Width:cm	Height:cm	Dry: kgs	Wet: kgs
528	175	231	9293	9746

Note: Standard reference conditions 25°C (77°F) Air inlet Temperature. All engines performance data based on the adobe metioned maximum continuos ratings.

Fuel consumption data at full load with diesel fuel with specific gravity of 0.85.

Generating set picture may include optional accessories