



4131 N. Central Expwy., Suite 200
 Dallas, Texas 75204
 Phone: 469.757.4271
 Fax: 469.757.4272

CUMMINS ENGINES

Rating Definition

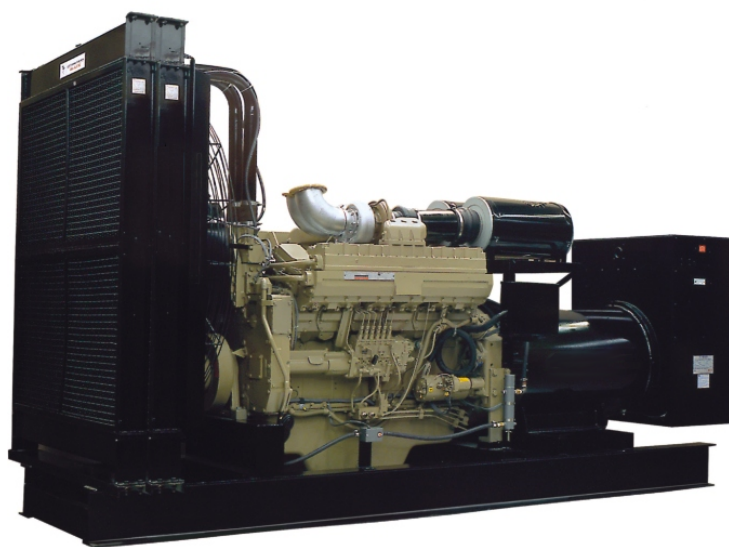
Prime Power

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchase power. There is no limitation to the annual hours of operation.

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.



Technical data

Engine Model:	QST30G4	
Alternator Model:	HCI634J	
Number of Cylinders:	12 Cylinder Vee	
Bore/Stroke :in (mm)	5.51 x 6.50 (140 x 165)	
Compretion ratio:	14.0:1	
Aspiration:	Turbo & Low Temp Aftercooled	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 rpm	1800 rpm
Gross engine power: BHP(kWm)	1180 (880)	1490 (1112)
BMEP: psi (kPA)	335 (2310)	352 (2427)
Piston Speed: ft/min (m/s)	1634 (8.3)	1949 (9.9)
Fuel Consump: lt / hr - 100%load	202	267
Heat Rejection to Exhaust System: BTU/min (kWm)	33990 (600)	42130 (740)
Heat Rejection to Jacket Water cooling System: BTU/min (kWm)	18150 (320)	20880 (365)
Exhaust Temperature: °F (°C)	1050 (565)	975 (525)
Radiator cooling Air Flow: m³/seg - FPM	call factory	call factory
Exhaust Gas Flow: cfm (liter/s)	5820 (2750)	7775 (3670)

Output Ratings

Ratings at 0.8pf

Frequency	Voltage	kVA	kWe
50 Hz	380-415V	1000	800
60 Hz	440-220V	1250	1000

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

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

Generating set picture may include optional accessories

Dimensions and Weights

Length:cm	Width:cm	Height:cm	Dry: kgs	Wet: kgs
450	193	245	6535	6932