



GENERATING SETS

MNY1600

MITSUBISHI ENGINES

Rating Definition

Standby Power - Model MNY1600

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:	S16R-Y1PTA-1
Alternator Model:	PI734C
Number of Cylinders:	16 Cylinder Vee
Bore/Stroke :im(m)	6.69 x 7.09 (170 x 180)
Compretn ratio:	15.0:1
Aspiration:	Turbo & Low Temp.Aftercooled
Frequency:	60 Hz
Engine Speed:	1800 rpm
Gross engine powerBHP(kWm)	2346 (1750)
BMEP:psi (kPA)	2599 (18.2)
Piston Speedt/min (m/s)	2126 (10.8)
Fuel Consumpt / hr - 100%load	384
Heat Rejection to Exhaust System BTU/min (kcal/hr)	82795 (1251840)
Heat Rejection to Engine Jacket RadiatorBTU/min (kWm)	63306 (957168)
Radiator cooling Air Flow: m³/seg -CFM	1950 (68855)
Exhaust Gas Flowfm (liter/s)	14265 (404)

Output Ratings

Ratings at 0.8pf

Frequency	Models	Voltage	kVA	kWe
60 Hz	MNY1600	220-440 V	2000	1600

Dimensions and Weights

Lengthm	Widthm	Heightm	Drykgs	Wetkgs
528	217	267	10882	11259

Note: Standard reference conditions 25°C (77°F) Air inlet Temperature. All engines performance data based on the adobe metioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85.

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