



# DNY360 - DNY420

## Rating Definition

Standby Power - Model DNY360 - DNY420

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.

the engine performance corresponds to ISO 3046, BS 5514 and DIN6271

**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.

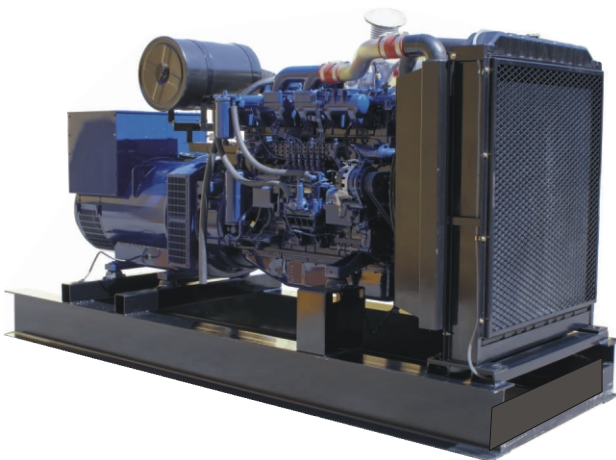
Output Ratings				
Frequency	Models	Voltage	kVA	kWe
60 Hz	DNY360	440-220V	455	364
	DNY420		530	424

Technical data	
<b>Engine Model:</b>	P158LE
<b>Number of Cylinders:</b>	8 In "V"
<b>Bore/Stroke:</b>	128(5.04) x 142(5.59) mm(in)
<b>Compression ratio:</b>	15:01
<b>Aspiration:</b>	turbo & intercooled (air to air)
<b>Displacement:</b>	14.618(892.0) lts(in)
<b>Fuel consumption:</b>	118.6 lts - 100% load
<b>Frequency:</b>	60 Hz
<b>Engine Speed:</b>	1800 rpm
<b>Pressure system:</b>	Max. 0.9 kg/cm <sup>2</sup> (12.8 psi)
<b>Water Flow:</b>	410 lts/min.
<b>Heat Rejection to Coolant:</b>	40.1 kcal/sec
<b>Air Flow:</b>	31.1 m <sup>3</sup> /min
<b>Exhaust Gas Flow:</b>	91.3 m <sup>3</sup> /min
<b>Exhaust Gas Temp:</b>	606°C

### Max. Permissible Restrictions

<b>Intake System:</b>	220mmH <sub>2</sub> O initial - 635mmH <sub>2</sub> O final	
<b>Exhaust System:</b>	600mmH <sub>2</sub> O max	
<b>Generating Set Model:</b>	<b>DNY360</b>	<b>DNY420</b>
<b>Alternator Model</b>	HCI434E	HCI434F
<b>Insulation System:</b>	Class H	
<b>Control System:</b>	Separately excited by PMG	
<b>AVR</b>	MX341	

Dimensions and Weights			
Length: cm	Width: cm	Height: cm	DNY360
345	140	188	Dry: 2370 kgs   Wet: 2627 kgs
			DNY420
			Dry: 2506 kgs   Wet: 2763 kgs



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