



VNE305 - VNY250

Rating Definition

Prime Power - VNE305

Rating corresponds to ISO Standard Power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchase power. A 10% overload capability for governing purpose is available for this rating .

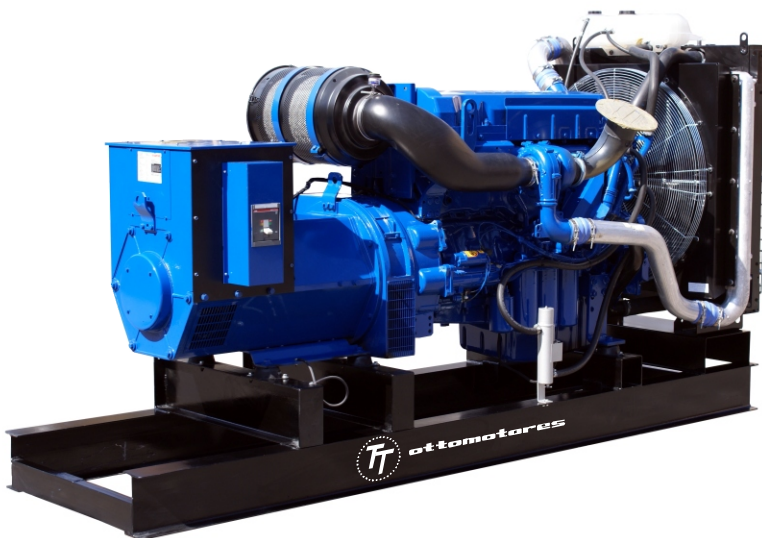
Standby Power - Model VNY250

Is applicable for supplying standby electrical power at variable load in areas with well establish electrical networks in the event of normal failure.

No overload capavility is available for this rating 1hp = 1kW-1.36

Note: the engine performance corresponds to ISO3046, BS5514 and DIN 6217.

Power output guaranteed within 0 to +2% att rated ambient conditions at delivery, Ratings are based on ISO8528.



Output Ratings				0.8 p.f)
Frequency	Models	Voltage	kVA	kWe
50 Hz	VNE305	380-415V	277 (125/40 ris ϕ)	222
60 Hz	VNY250	440-220V	314 (163/27 ris ϕ)	251

Technical data		
Engine Model:	TAD940GE	
Number of Cylinders:	6 In-line	
Bore:mm (in)	120 (4.72)	
Stroke:mm (in)	138 (5.43)	
Displacement_s(in³)	9.36 (571)	
Compression ratio:	20.2:1	
Performance	1500rpm-PRIMI:	1800rpm-Standb
With FankW(hp)	242 (329)	276 (375)
Lubrication system	1500rpm-PRIMI:	1800rpm-Standb
Oil consumption_{t/h}(gal/h)	0.03 (0.008)	0.04 (0.009)
Total oil incl filter_s(liter)	40	40
Fuel system	1500rpm-PRIMI:	1800rpm-Standb
100% load_{g/kWh}(lb/hph)	201 (0.326)	204 (0.330)
Intake & exhaust system	1500rpm-PRIMI:	1800rpm-Standb
Air consum_m³/min (cfm)	18.1 (638)	23.2 (820)
Max.restriction_tP (In wc)	5 (20.1)	5 (20.1)
Heat rejection to exhaust_W(BTU/min)	216 (12284)	223 (12682)
Exhaust gas temp_C^o (°F)	488 (910)	429 (804)
Max.back-pressure_tP (In wc)	10.0 (40.2)	10.0 (40.2)
Exhaust gas flow_m³/min (cfm)	49.6 (1750)	
Generating Set Model:	VNE305	VNY250
Alternator Model	HCI434D	UCI274K
Insulation System:	Class H	
Control System:	Self exited	
AVR	MX341	

Dimensions and Weights				
Length:cm	Width cm	Heigth:cm	VNE305	
290	111	163	Dry: 2082 kgs	Wet: 2132 kgs
			VNY250	
			Dry: 1869 kgs	Wet: 1919 kgs

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