



VNE145 - VNY115

Rating Definition

Prime Power - VNE145

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 VNY115

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	VNE145	380-415V	130 (125/40 ris \emptyset)	104
60 Hz	VNY115	440-220V	146 (163/27 ris \emptyset)	117

Technical data		
Engine Model:	TAD532GE	
Number of Cylinders:	4 In-line	
Bore:mm (in)	108 (4.25)	
Stroke:mm (in)	130 (5.12)	
Displacement_{ts}(in³)	4.76 (290)	
Compression ratio:	17.5:1	
Performance	1500rpm-PRIME	1800rpm-Standby
With Fan:kW(hp)	112 (153)	129 (176)
Lubrication system	1500rpm-PRIME	1800rpm-Standby
Oil consumption_{lt/h}(gal/h)	0.08 (0.021)	0.08 (0.021)
Total oil incl filters_{liter}	13	13
Fuel system	1500rpm-PRIME	1800rpm-Standby
100% load g/kWh(lb/hph)	214 (0.346)	225 (0.365)
Intake & exhaust system	1500rpm-PRIME	1800rpm-Standby
Air consum._{m³/min} (cfm)	7.55 (267)	9.6 (339)
Max.restriction_{kP} (In wc)	3.5 (14.1)	3.5 (14.1)
Heat rejection to exhaust_{kW} (BTU/min)	90 (5118)	116 (6597)
Exhaust gas temp._{C°} (°F)	507 (945)	528 (983)
Max.back-pressure_{kP} (In wc)	5 (20.1)	3 (12.0)
Exhaust gas flow_{m³/min} (cfm)	21.2 (749)	27.6 (973)
Cooling system	1500rpm-PRIME	1800rpm-Standby
Heat rejection rad from engine:_{kW} (BTU/min)	12 (683)	14 (797)
Fan consumption_{kW}(hp)	8 (7)	8.7 (12)
Generating Set Model:	VNE145	VNY115
Alternator Model	UCI274E	UCI274D
Insulation System:	Class H	
Control System:	Self exited	
AVR	SX460	

Dimensions and Weights			
Length:cm	Width cm	Heigth:cm	VNE145
220	87	150	Dry: 1141 kgs Wet: 1172 kgs
			VNY115
			Dry: 1080 kgs Wet: 1111 kgs

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