



VNE410 - VNY360

Rating Definition

Prime Power - VNE410

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 VNY360

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	VNE410	380-415V	375 (125/40 ris ϕ)	300
60 Hz	VNY360	440-220V	450 (163/27 ris ϕ)	360

Technical data		
Engine Model:	TAD1241GE	
Number of Cylinders:	6 In-line	
Bore:mm (in)	131 (5.16)	
Stroke:mm (in)	150 (5.91)	
Displacementl_t(in3)	12.13 (740.2)	
Compression ratio:	17.5:1	
Performance	1500rpm-PRIME	1800rpm-Standby
With Fan kW(hp)	323 (439)	387 (526)
Lubrication system	1500rpm-PRIME	1800rpm-Standby
Oil consumptionl/h(gal/h)	0.11 (0.029)	0.13 (0.034)
Total oil incl filtersl(liter)	35	35
Fuel system	1500rpm-PRIME	1800rpm-Standby
100% load g/kWh(lb/hph)	198 (0.321)	203 (0.329)
Intake & exhaust system	1500rpm-PRIME	1800rpm-Standby
Air consum.m^3/min (cfm)	23.5 (830)	29.0 (1024)
Max.restrictionkP (In wc)	5 (20.1)	5 (20.1)
Heat rejection to exhaustkW (BTU/min)	250 (14271)	306 (17402)
Exhaust gas temp.$^{\circ}C$ (°F)	490 (914)	490 (914)
Max.back-pressurekP (In wc)	10 (40.2)	10 (40.2)
Exhaust gas flowm^3/min (cfm)	58 (248)	72 (2543)
Cooling system	1500rpm-PRIME	1800rpm-Standby
Heat rejection rad from engine: kW (BTU/min)	17 (967)	20 (1137)
Fan consumption kW(hp)	9 (12)	15 (20)
Generating Set Model:	VNE410	VNY360
Alternator Model	HCI434F	HCI434E
Insulation System:	Class H	
Control System:	Self exited	
AVR	MX341	

Dimensions and Weights				
Length:cm	Width cm	Heigth:cm	VNE410	
315	111	163	Dry: 2711 kgs	Wet: 2786 kgs
			VNY360	
			Dry: 2575 kgs	Wet: 2650 kgs

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