



# VNE220 - VNY200

## Rating Definition

### Prime Power - VNE220

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 VNY200

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	VNE220	380-415V	205 (125/40 ris $\bar{e}$ )	160
60 Hz	VNY200	440-220V	250 (163/27 ris $\bar{e}$ )	200

Technical data		
<b>Engine Model:</b>	TAD733GE	
<b>Number of Cylinders:</b>	6 In-line	
<b>Bore:mm (in)</b>	108 (4.25)	
<b>Stroke:mm (in)</b>	130 (5.12)	
<b>Displacement:lt<sub>s</sub>(in<sup>3</sup>)</b>	7.15 (436)	
<b>Compression ratio:</b>	18.0:1	
<b>Performance</b>	<b>1500rpm-PRIME</b>	<b>1800rpm-Standby</b>
<b>With Fan:kW(hp)</b>	177 (240)	218 (296)
<b>Lubrication system</b>	<b>1500rpm-PRIME</b>	<b>1800rpm-Standby</b>
<b>Oil consumption:lt/h(gal/h)</b>	0.08 (0.021)	0.11 (0.029)
<b>Total oil incl filters:liter</b>	34	34
<b>Fuel system</b>	<b>1500rpm-PRIME</b>	<b>1800rpm-Standby</b>
<b>100% load g/kWh(lb/hph)</b>	216 (0.351)	228 (0.369)
<b>Intake &amp; exhaust system</b>	<b>1500rpm-PRIME</b>	<b>1800rpm-Standby</b>
<b>Air consum.:m<sup>3</sup>/min (cfm)</b>	11.5 (406)	15.76 (557)
<b>Max.restriction:kP (In wc)</b>	2.5 (10)	2.5 (10)
<b>Heat rejection to exhaust:kW (BTU/min)</b>	136 (7734)	193 (10976)
<b>Exhaust gas temp:°C (°F)</b>	510 (950)	530 (986)
<b>Max.back-pressure:kP (In wc)</b>	5 (20.1)	7 (28.1)
<b>Exhaust gas flow:m<sup>3</sup>/min (cfm)</b>	31.8 (1123)	44.4 (1569)
<b>Cooling system</b>	<b>1500rpm-PRIME</b>	<b>1800rpm-Standby</b>
<b>Heat rejection rad from engine:kW (BTU/min)</b>	19 (1081)	25 (1422)
<b>Fan consumption:kW(hp)</b>	4.4 (6)	7.4 (10)
<b>Generating Set Model:</b>	<b>VNE220</b>	<b>VNY200</b>
<b>Alternator Model</b>	UCI274H	UCI274H
<b>Insulation System:</b>	Class H	
<b>Control System:</b>	Self exited	
<b>AVR</b>	MX341	

Dimensions and Weights				
Length:cm	Width cm	Heigth:cm	VNE220	
			Dry: 1538 kgs	Wet: 1579 kgs
255	104	152	VNY200	
			Dry: 1538 kgs	Wet: 1579 kgs

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