

YP-250PXD

Silent Diesel Generator Set



Genset

Generator Output Rating (Prime)	250 kVA / 200 kW
Voltage	415 V
Frequency	50 Hz
Power factor	0.8 pf (lag)
Phase	3 ph
Genset Model	YP-200PXD
Type	Silent

Enclosure Details

Material Of Construction	CRCA
Acoustic Material	Foam
Surface Finish	Powder Coating , RAL 9001
Sound level (75% load)	85 dBA @ 1 m (Approx)
Tank Capacity	600 Ltrs
Tank Location	Base mounted
Silencer Location	Inside Enclosure

Diesel Engine

Brand	Eicher
Model	TAD841GE
Engine Power (Prime / Stand-by)	220 kW
No. of Cylinders / Alignment	6, In-line
Fuel	Diesel
Speed	1500 rpm
Bore	110 mm
Stroke	135 mm
Displacement	7.7 L
Compression Ratio	17.5:1
Aspiration	TCI
Fuel System	Direct
Cold Starting Aid*	Site conditions < -5 degC
Starting Motor	24V
Battery Type	Lead Acid
Quantity	1
Capacity per Battery	2 x 100Ah
Emission std	EU stage II
Governor	Eicher EMS 2.4

Alternator

Brand	Nidec
Model	LSAP 45 M1
Number of Poles	4
Number of Bearings	Single
Insulation	Class H
IP Rating	IP-23
Rated Speed	1500 rpm
Voltage Regulation	+/- 1%
Telephone Influence Factor (TIF)	< 50
Efficiency @ 0.8 pf & 100/75/50/25 % load	94.0%

Fuel Consumption

100% load	51 LPH
75% load	39 LPH
50% load	27.00 LPH
Density of diesel	0.84 kg/ltr

Cooling System

Method of cooling	Radiator
Cooling medium	COOLANT
Engine coolant Capacity	17L

Lubrication Oil System

Sump Capacity	25 L
Oil Consumption	0.1 % of Fuel Consumption

Panel

Type	Auto start
Controller	Deep Sea
Controller Model	DSE 7320
Switchgear	ABB 400A MCCB

Dimension & Weight

L x W x H	3900 x 1520 x 2175 mm (Approx)
DG set weight (dry)	3400 kg (Approx)

Yellow Power Ltd reserves the right to change any design / specification without prior notice as a part of continuous improvement process.

Notes: 1. Subject to availability and at additional cost, we can provide the following options for our gensets: a. Stamford alternator, in place of the Nidec alternator. b. DSE8610 / DSE4520 controller, in place of the DSE7320 controller. 2. For Silent DG set please consider 100mm extra length for shipment 3. The picture above is for illustrative purposes only