

MODEL: XHX-D320

380V | 1500rpm | 50Hz



ESP

Standby Power

352 kw

PRP

Prime Power

320 kw

ENGINE

DOOSAN

P158LE

ALTERNATOR

LERROY SOMER

TAL-A473-A

GENERAL FEATURES

Engine: DOOSAN P158LE

Alternator: single bearing, IP23, insulation class H

50°C radiator, fans are driven by belt, with safety guard

Dry type air filter, fuel filter & oil filter

Vibration damper

Standard control panel

24V charging alternator

Exhaust bellows, elbows, flange & muffler

Lead-acid batteries, rack and cables

User manual

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GENERATOR RATINGS

Voltage	Hz	Phase	PF ($\cos\Phi$)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	574	352/440	320/400
415/240	50	3	0.8	612	352/440	320/400
400/230	50	3	0.8	635	352/440	320/400
380/220	50	3	0.8	669	352/440	320/400

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 (eqv ISO 8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

SALES PROMISES

Hensing provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: one year after installation or 1000 running hours (accumulated), whichever comes first.

Service and parts are available from Hensing Power or distributors in your location.

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ENGINE SPECIFICATION

Manufacturer / Model	DOOSAN P158LE
Air intake system	turbocharged
Fuel system	Bosch in-line "P" type
Cylinder arrangement	8 V Type
Displacement	14.618L
Bore and stroke	128×142 (mm)
Compression ratio	15:1
Rated speed	1500rpm
Max. Standby power at rated speed	320KW
Governor type	electronic

Exhaust System

Maximum Back Pressure	5.9KPA
Exhaust temperature	≤600℃

Air Intake System

Max. static pressure after Radiator	0.125 kPa
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Fuel System

Fuel consumption @ 100% (Prime Power) Load	89.3L/H
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Maximum Oil Temperature: 120°C

Cooling System

Cooling mode: Water cooling

ALTERNATOR SPECIFICATION**Alternator Data**

Number of Phase	3
Connecting Type	3 Phase and 4 Wires, Y type connecting
Number of Bearing	1
Power Factor	0.8
Protection Class	IP23
Altitude	≤1000m
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	<50
AVR	R150
Alternator Capacity	390kVA
Alternator Efficiency	93.4%

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GENERATING SET DATA

Related range of voltage setting	$\geq \pm 5\%$
Steady-state voltage deviation	$\leq \pm 1\%$
Transient voltage deviation (100 % sudden power decrease)	$\leq +25\%$
Transient voltage deviation (sudden power increase)	$\leq -20\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
Voltage recovery time (sudden power increase)	$\leq 6S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 1.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
Transient frequency deviation (sudden power increase)	$\leq -10\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
Frequency recovery time (sudden power increase)	$\leq 5S$

STANDARD FEATURES

Standard auto control system	Exhaust system (including until muffler)	Documents
Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
Base fuel tank	Deep sea 6020 controller	

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OPTIONS

Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2900×1180×1550 mm

Weight: 3100 kg

Soundproof Type

Overall Dimensions: 3600*1480*1750mm

Weight: 3500 kg

Specifications are subject to change without notice.