

SDMO D440



GENERAL SET DATA

ENGINE REF:	P158LE
ALTERNATOR REF:	KH01483T
STANDARD CONTROL PANEL:	APM403
OPTIONAL CONTROL PANEL:	APM802 M80/TELYS

OUTPUT

FREQUENCY:	50 Hz
VOLTAGE:	400/230
PRIME POWER:	400 kVA
STANDBY POWER:	440 kVA

DIMENSIONS

OPEN MODEL

LENGTH:	3470 mm
WIDTH:	1500 mm
HEIGHT:	1829 mm
DRY WEIGHT:	2942 Kg
FUEL TANK CAPACITY:	500 L

CLOSED MODEL

LENGTH:	5031 mm
WIDTH:	1560 mm
HEIGHT:	2435 mm
DRY WEIGHT:	4125 Kg
FUEL TANK CAPACITY:	500 L
ACOUSTIC PRESSURE AT 1M:	85 dB
ACOUSTIC PRESSURE AT 7M:	75 dB

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TECHNICAL DATA

GENERAL ENGINE DATA

MANUFACTURER:	DOOSAN
MODEL REF:	PI58LE
SPEED:	1500 RPM
POWER PRP:	320 kW
POWER LTP:	352 kW
NUMBER OF CYLINDERS:	8
DISPLACEMENT:	14.62 L
BORE:	128 mm
STROKE:	142 mm
COMPRESSION RATIO:	15
COOLING SYSTEM:	GLYCOL-ETHYLENE
AIR INLET SYSTEM:	TURBO
OIL CAPACITY:	31 L
EXHAUST GAS TEMP:	580 °C
EXHAUST GAS FLOW:	1305 L/s

ALTERNATOR DATA

ALTERNATOR REF:	KH01483T
INSULATION CLASS:	H
INDICATION OF PROTECTION:	IP23

FUEL

CONSUMPTION AT 100%:	89.3 L/h
CONSUMPTION AT 75%:	65.1 L/h
CONSUMPTION AT 50%:	43.9 L/h

TERMS & CONDITIONS

PRP : Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1. ESP : The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. Overload is not allowed.

According to the standard, the nominal power assigned by the genset is given for 25°C Air Intlet Temperature, of a barometric pressure of 100 kPa (100 m A.S.L), and 30 % relative humidity. For particular conditions in your installation, refer to the derating table.