

SDMO J110K



GENERAL SET DATA

ENGINE REF:	4045HF120
ALTERNATOR REF:	KH00911T
STANDARD CONTROL PANEL:	APM303
OPTIONAL CONTROL PANEL:	APM403
	M80/TELYS

OUTPUT

FREQUENCY:	50 Hz
VOLTAGE:	400/230
PRIME POWER:	100 kVA
STANDBY POWER:	110 kVA

DIMENSIONS

OPEN MODEL

LENGTH:	1950 mm
WIDTH:	1084 mm
HEIGHT:	1330 mm
DRY WEIGHT:	1097 Kg
FUEL TANK CAPACITY:	190 L

CLOSED MODEL

LENGTH:	2554 mm
WIDTH:	1150 mm
HEIGHT:	1680 mm
DRY WEIGHT:	1597 Kg
FUEL TANK CAPACITY:	190 L
ACOUSTIC PRESSURE AT 1M:	78 dB
ACOUSTIC PRESSURE AT 7M:	66 dB

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TECHNICAL DATA

GENERAL ENGINE DATA

MANUFACTURER:	JOHN DEERE
MODEL REF:	4045HF120
SPEED:	1500 RPM
POWER PRP:	80 kW
POWER LTP:	88 kW
NUMBER OF CYLINDERS:	4
DISPLACEMENT:	4.48 L
BORE:	106 mm
STROKE:	127 mm
COMPRESSION RATIO:	17
COOLING SYSTEM:	GLYCOL-ETHYLENE
AIR INLET SYSTEM:	TURBO
OIL CAPACITY:	13.5 L
EXHAUST GAS TEMP:	545 °C
EXHAUST GAS FLOW:	283 L/s

ALTERNATOR DATA

ALTERNATOR REF:	KH00911T
INSULATION CLASS:	H
INDICATION OF PROTECTION:	IP23

FUEL

CONSUMPTION AT 100%:	23.5 L/h
CONSUMPTION AT 75%:	16.5 L/h
CONSUMPTION AT 50%:	11.5 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.