

INMESOL AI-090 (OPEN) / II-090 (CLOSED)



GENERAL SET DATA

ENGINE REF:	N45SM3
ALTERNATOR REF:	ECP 34-1S/4
STANDARD CONTROL PANEL:	DSE 3110
OPTIONAL CONTROL PANEL:	DSE 334

OUTPUT

FREQUENCY:	50 hz
VOLTAGE:	400/230
PRIME POWER:	80 kVA
STANDBY POWER:	90 kVA

DIMENSIONS

OPEN MODEL (AI-090)

LENGTH:	1900 mm
WIDTH:	900 mm
HEIGHT:	1947 mm
DRY WEIGHT:	920 Kg
FUEL TANK CAPACITY:	192 L

CLOSED MODEL (II-090)

LENGTH:	2950 mm
WIDTH:	1100 mm
HEIGHT:	1760 mm
DRY WEIGHT:	1540 Kg
FUEL TANK CAPACITY:	220 L
ACOUSTIC PRESSURE AT 1M:	-
ACOUSTIC PRESSURE AT 7M:	-

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TECHNICAL DATA

GENERAL ENGINE DATA

MANUFACTURER:	FPT
MODEL REF:	N45SM3
SPEED:	1500 RPM
POWER PRP:	73.3 kWm
POWER LTP:	81 kWm
NUMBER OF CYLINDERS:	4
DISPLACEMENT:	4.5 L
BORE:	104 mm
STROKE:	132 mm
COMPRESSION RATIO:	17.5
COOLING SYSTEM:	LIQUID
AIR INLET SYSTEM:	TURBO
OIL CAPACITY:	12.8 L
EXHAUST GAS TEMP:	516 °C
EXHAUST GAS FLOW:	345 m ³ /h

ALTERNATOR DATA

ALTERNATOR REF:	MECC-ALTE ECP 34-1S/4
INSULATION CLASS:	H
INDICATION OF PROTECTION:	IP23

FUEL

CONSUMPTION AT 100%:	19.4 L/hr
CONSUMPTION AT 75%:	15.4 L/hr
CONSUMPTION AT 50%:	9.6 L/hr

TERMS & CONDITIONS

Inmesol power GENSET sets comply with European legislation and were given the CE marking. It also complies with International Legislation and Regulations, "Technical Regulation on Safety of Machinery & Equipment" No. 753, repealing GOST R standards for exports to Russia. Resolution 90708 dated August 30th 2013 "Reglamento Tecnico de Instalaciones Electricas RETIE" issues by the Ministry of Mining and Energy Section 20.21 Engines and power generators, for exports to Colombia.