

SDMO V440C2



GENERAL SET DATA

ENGINE REF:	TAD1344GE
ALTERNATOR REF:	KH01741T
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:	3160 mm
WIDTH:	1340 mm
HEIGHT:	1805 mm
DRY WEIGHT:	3110 Kg
FUEL TANK CAPACITY:	470 L

CLOSED MODEL

LENGTH:	4475 mm
WIDTH:	1410 mm
HEIGHT:	2430 mm
DRY WEIGHT:	4080 Kg
FUEL TANK CAPACITY:	470 L
ACOUSTIC PRESSURE AT 1M:	78 dB
ACOUSTIC PRESSURE AT 7M:	68 dB

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TECHNICAL DATA

GENERAL ENGINE DATA

MANUFACTURER:	VOLVO
MODEL REF:	TAD1344GE
SPEED:	1500 RPM
POWER PRP:	320 kW
POWER LTP:	352 kW
NUMBER OF CYLINDERS:	6
DISPLACEMENT:	12.78 L
BORE:	131 mm
STROKE:	158 mm
COMPRESSION RATIO:	18.1
COOLING SYSTEM:	GLYCOL-ETHYLENE
AIR INLET SYSTEM:	TURBO
OIL CAPACITY:	36 L
EXHAUST GAS TEMP:	465 °C
EXHAUST GAS FLOW:	1125 L/s

ALTERNATOR DATA

ALTERNATOR REF:	KH01741T
INSULATION CLASS:	H
INDICATION OF PROTECTION:	IP23

FUEL

CONSUMPTION AT 100%:	83.1 L/hr
CONSUMPTION AT 75%:	63.3 L/hr
CONSUMPTION AT 50%:	42.8 L/hr

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 Inlet 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.