

## SDMO V500C2



### GENERAL SET DATA

ENGINE REF:	TAD1345GE
ALTERNATOR REF:	KH02070T
STANDARD CONTROL PANEL:	APM403
OPTIONAL CONTROL PANEL:	APM802/ M80/TELYS

### OUTPUT

FREQUENCY:	50 Hz
VOLTAGE:	400/230
PRIME POWER:	455 kVA
STANDBY POWER:	500 kVA

### DIMENSIONS

#### OPEN MODEL

LENGTH:	3160 mm
WIDTH:	1340 mm
HEIGHT:	1805 mm
DRY WEIGHT:	3250 Kg
FUEL TANK CAPACITY:	470 L

#### CLOSED MODEL

LENGTH:	4475 mm
WIDTH:	1410 mm
HEIGHT:	2430 mm
DRY WEIGHT:	4360 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:	TAD1345GE
SPEED:	1500 RPM
POWER PRP:	364 kW
POWER LTP:	400 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:	570 °C
EXHAUST GAS FLOW:	972 L/s

### ALTERNATOR DATA

ALTERNATOR REF:	KH02070T
INSULATION CLASS:	H
INDICATION OF PROTECTION:	IP23

### FUEL

CONSUMPTION AT 100%:	91.8 L/hr
CONSUMPTION AT 75%:	69.2 L/hr
CONSUMPTION AT 50%:	46.6 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 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.