

## SDMO V700C2



### GENERAL SET DATA

ENGINE REF:	TWD1643GE
ALTERNATOR REF:	KH02401T
STANDARD CONTROL PANEL:	APM403
OPTIONAL CONTROL PANEL:	APM802/ M80/TELYS

### OUTPUT

FREQUENCY:	50 Hz
VOLTAGE:	400/230
PRIME POWER:	650kVA
STANDBY POWER:	700 kVA

### DIMENSIONS

#### OPEN MODEL

LENGTH:	3470 mm
WIDTH:	1630 mm
HEIGHT:	2050 mm
DRY WEIGHT:	4020 Kg
FUEL TANK CAPACITY:	610 L

#### CLOSED MODEL

LENGTH:	5031 mm
WIDTH:	1690 mm
HEIGHT:	2672 mm
DRY WEIGHT:	5550 Kg
FUEL TANK CAPACITY:	610 L
ACOUSTIC PRESSURE AT 1M:	85 dB
ACOUSTIC PRESSURE AT 7M:	75 dB

# SDMO V700C2

## TECHNICAL DATA

### GENERAL ENGINE DATA

MANUFACTURER:	VOLVO
MODEL REF:	TWD1643GE
SPEED:	1500 RPM
POWER PRP:	520 kW
POWER LTP:	560 kW
NUMBER OF CYLINDERS:	6
DISPLACEMENT:	16.12 L
BORE:	144 mm
STROKE:	165 mm
COMPRESSION RATIO:	16.5
COOLING SYSTEM:	GLYCOL-ETHYLENE
AIR INLET SYSTEM:	TURBO
OIL CAPACITY:	48 L
EXHAUST GAS TEMP:	463 °C
EXHAUST GAS FLOW:	1863 L/s

### ALTERNATOR DATA

ALTERNATOR REF:	KH02401T
INSULATION CLASS:	H
INDICATION OF PROTECTION:	IP23

### FUEL

CONSUMPTION AT 100%:	128 L/hr
CONSUMPTION AT 75%:	94.5 L/hr
CONSUMPTION AT 50%:	63 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.