

## VOLVO

## V505

GENERAL DATA	
Model	V505
Continuous / Prime power (P.R.P)	505 kVA
Continuous / Prime power (P.R.P)	404 kW
Stand-by power (L.T.P)	556 kVA
Stand-by power (L.T.P)	444.8 kW
Power Factor / Cos ( $\phi$ )	0.8
Frequency	50
Voltage	230 / 400
No. phases	Three
Engine Speed	1500
Warranty	1 Year OR 1000 Hours

DIMENSIONS *	
Length (-L- m)	4.50
Width (-W- m)	1.84
Height (-H- m)	2.54
Weight (kg)	6490
Tank Capacity	950 l

ENGINE	
Brand	VOLVO
Model	TAD1641GE
No. of Cylinders	6
Cubic capacity	16.12 l
Air intake	Turbocharged
Cooling	Water
Flywheel (Standby)	473 kW
BMEP	2133 kPa
SAE:	1-14

ENGINE TECHNICAL DATA	
Oil Qty	48 l
Antifreeze Qty	33 l
Cooling air flow	365.00 m <sup>3</sup> /min
Combust. air flow	32.00 m <sup>3</sup> /min
Exhaust gas flow	79.00 m <sup>3</sup> /min

FUEL CONSUMPTION @ LOAD	
100% (Standby)	112 l/h
100% (Prime)	101 l/h
75%	75 l/h
50%	51 l/h
25%	30 l/h



ALTERNATOR	
Brand	MARELLI
Model	MJB355SA4
Continuous power	510 kVA
Stand-by power	560 kVA
Connection	Series star

CANOPY	
Canopy Model	GV200
Silencer Model	MSR/a 150
Silencer outlet diameter	168.0 mm

ALTERNATOR WIRING	
Phases	Three phases with neutral
Winding	12 terminals 50Hz M0
Terminal No	12 nr