

GENERATOR SET

Power Ratings

Voltage, Frequency	PRP	ESP
400V, 50Hz cosφ = 0.8	2094,9kVA / 1675kW	2289kVA / 1831kW

Engine Make / Model :	MHI - S16R-F1PTAW2
Generator Make / Model :	Stamford - P1734F
Control Panel :	ComAp AMF 9 Lite
Charge Alternator [V / A] :	30-Negative
Battery Charger [V / A] :	27.3 / 5
Battery / Capacity [V / Ah] :	4 x (12 / 200)
Block Water Heater [W] :	2X2000 with pump
ATS Model / Length x Width x Hight * :	3200A / 1600 x 1700 x 700

Fuel Consumption

Load	110%	100%	75%	50%
[lt / h]	TBA	440	328,8	217,3

Fuel Tank Capacity [lt] : External fuel tank 3500

Based on diesel fuel with a specific gravity of 0.85 and conforming to TS EN590 Class A2

Prime Power (PRP)

A Prime rated generator set is capable of providing power to a varying load for an unlimited number of hours per year. Ten percent overload is allowed at one in 12 hours.

Emergency Standby Power (ESP)

A Standby rated generator set is capable of providing max. power to a varying load for 200 hours per year. No overload is allowed.

Standard Reference Conditions

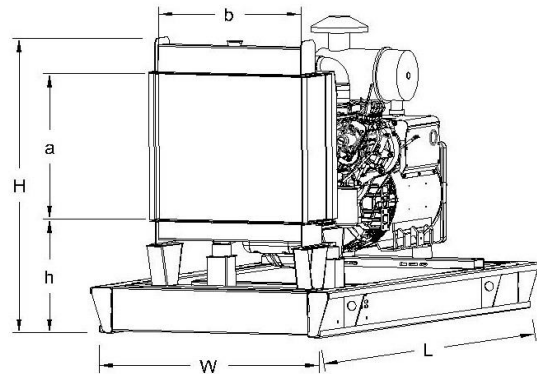
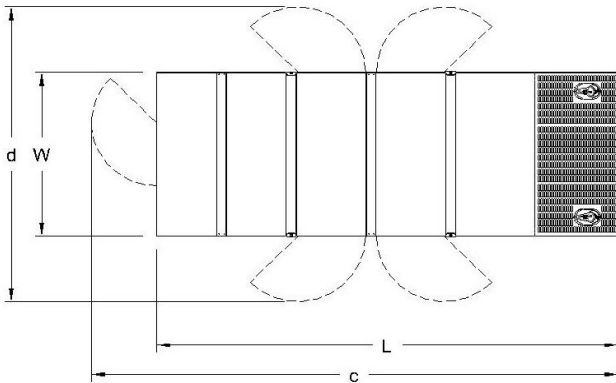
A specified values are given for 25°C ambient temperature, 100m above sea level and 30% relative humidity.

Dimensions & Weights

	L x W x H (mm) / c x d (mm)	Wet (kg)
Canopy :	7000x2600x4770 / TBA	17400
	L x W x H (mm) / a x b x h (mm)	Wet (kg)
W/O Canopy :	5500X2400X3550 / 2600x2100x348	15000

Dry = Without any liquid

Wet = With lube oil, coolant and fuel



Diesel Engine

Manufacturer :	MHI
Engine Model :	S16R-PTA2
No. of Cylinders / Alignment :	16 / V
Bore / Stroke [mm] :	170 / 180
Compression Ratio :	14,0 : 1
Displacement [lt] :	65,37
Engine Speed [rpm] :	1500
Gross Engine Power ESP / PRP [kW] :	1790 / 1630

Generator

Manufacturer :	Stamford
Alternator Model :	P1734F
Bearings Type :	Single
Insulation Class :	H
Winding Pitch :	2/3
No. of Wires Terminal :	6
Frequency / Poles :	50Hz / 4p
Voltage (Ph-Ph / Ph-N) :	400V / 230V
Output Power (163°C / 27°C) :	2250 kVA / 1800 kW

*Arep is standard, PMG is optional

Air Intake System :	Turbocharged & Intercooled
Governor Type / Class 8528 :	Electronic / G2
Total Oil Capacity [lt] :	230
Oil Type :	API CI-4, CH4/ 15W-40
Cooling System Capacity [lt] :	345
Recommended Fuel :	TS EN590, Class A2 Diesel
Emissions Compliance :	TBA
Housing - Flywheel :	00-21

Regulation Type / Model :	AVR / MX341
Protection Class :	IP23
Efficiency :	96,1%
Voltage Regulation (Steady State) :	± 0.5%
THD (Total Harmonic Distortion) :	< 1,5% w/o load/ < 5 % on load
	15% 1920 kVA
Voltage Dip.	25% 3600 kVA
	30% 4700 kVA

f = 50Hz, 400V, cosφ = 0,8 is for given.