

QAS 325

Portable Generator Set

Generator Data	QAS 325
Prime Power 3Ø kW Rating @ 0.8 PF	276 kW
Prime Power 3Ø kVA Rating	345 kVA
Alternator Manufacturer	Mecc Alte
Alternator Model	ECO 38 3L
Number of Leads	12
Insulation Class	Class H with Marine Impregnation
Rated Speed / Frequency	1800 RPM @ 60 Hz
Voltage Regulation Accuracy	1%
Single Step Load Acceptance	90%
Main Line Circuit Breakers:	
High Voltage Circuit Breaker Thermal Trip	470 Amps
High Voltage Circuit Breaker Magnetic Trip	3 – 10 × I _n Amps
Low Voltage Circuit Breaker Thermal Trip	1000 Amps
Low Voltage Circuit Breaker Magnetic Trip	3 – 10 × I _n Amps
Amperage Capacity @ 208 Volts 3Ø	960 Amps
Amperage Capacity @ 240 Volts 3Ø	840 Amps
Amperage Capacity @ 480 Volts 3Ø	420 Amps
Outlet Connections:	
Terminal Board	5 Lug – L1 – L2 – L3 – N – Ground
20 Amp – 125 Volt GFCI Duplex	1
50 Amp – 125 / 250 Volt Temp Power	2
Sound Level @ 23 Feet @ 75% Load	72 dB(A)
Dimensions (skid mounted):	
Length	155.75 Inches
Width	56.3 Inches
Height	83.9 Inches
Weight (dry)	9568 Pounds
Weight (wet)	10,714 Pounds
Dimensions (w/ trailer):	
Length	222.2 Inches
Width	91.6 Inches
Height	117.1 Inches
Weight (dry)	13,100 Pounds
Weight (wet)	16,300 Pounds

QAS 325

Portable Generator Set

Diesel Engine Data	QAS 345
Engine Manufacturer	Volvo
Model Number	TAD941GE
Gross Horsepower Developed	400 HP @ 1800 RPM
Engine Type	Inline Four Cycle Diesel w/ Direct Fuel Injection
Engine Control	Electronic
Emissions Certification	EPA Tier II Non-road
Number of Cylinders	6
Aspiration	Turbocharged / Intercooled
Displacement	9.4 Liters
Cooling System	Water / Glycol
Charging Alternator Output	70 Amps
Battery Voltage / Output	24 Volts / 2 x 625 CCA
Speed Regulation Accuracy (0 – 100% Load)	±0.25% Isochronous
Oil Sump Capacity	7.9 Gallons
Cooling System Capacity	10.8 Gallons
Internal Fuel Cell Capacity	126 Gallons
Trailer Fuel Cell Capacity (if equipped)	295 Gallons
Fuel Autonomy @ 100% Load (skid mounted)	6.3 Hours
Fuel Autonomy @ 100% Load (w/ trailer)	22 Hours
Fuel Consumption @ 25% Load	6.2 Gallons / Hour
Fuel Consumption @ 50% Load	10.6 Gallons / Hour
Fuel Consumption @ 75% Load	14.5 Gallons / Hour
Fuel Consumption @ 100% Load	18.9 Gallons / Hour
Specific Fuel Consumption	0.23 kg / kWh
Maximum Ambient Temperature	105 °F *
Maximum Relative Humidity	85% *
Maximum Altitude	3280 Feet *
Minimum Starting Temperature (w/o assist)	0 °F

** Consult Atlas Copco for proper de-rating instructions for operation beyond ambient limitations
Design and specifications are subject to change without notice or obligation*