

## 1. Genset 100 kVA - 60Hz



## POWERED BY



## 2. Technical informations

Generator Specifications	Unit	Description		
Regulation class		ISO8528		
Frequency	Hz	60		
Power Factor		0.8		
Three Phase Voltage	Vca	220 / 127 - 380 / 220 - 440 / 254		
Operating System		Stand-By	Prime	COP
Genset Power	kVA / kW	100 / 80	90 / 72	70 / 56
Diesel Engine Power	CV	126.3	114.1	91
Fuel Tank		Removable in the 100 liters base		
Consumption $\pm 5\%$	l/h	24.2	21.7	19.4
Fuel Tank Autonomy	h	4.1	4.6	5.1
Battery		12V - 95Ah - 750CCA		

Engine Specifications		Unit	Description	
Model			229-3TCAG1	
Brand			MWM	
Application			Stationary	
Rotation	rpm		1800	
Configuration			04- stroke / 3 Cylinders in line	
Bore x Stroke	mm		105 x 120	
Aspiration Type / Injection System			Turbo Aftercooled / Mechanical Direct	
Displacement	l		3.1	
Compression Ratio			16,9 : 1	
Alternator, standart equipment	A		90	
Starter, standart equipment	Vcc - kW		12 - 3,3	
Cooling System			Water + Air + Blowing Ventilation System	
Coolant Total Capacity	l		15	
Coolant Specification			Havoline Xtended Life Premix 50/50	
Lube Oil Specification			SAE 15W40 / API CI-4 / ACEA E7-08	
Lube Oil liter Capacity with filter	l		7	
Lube Oil Filter Replacement Interval	h		250	
Fuel Type Specification			S500	
Fuel Filter			Pre-Filter	Main
Fuel Filter Specification			N/A	85% p/ Particles > 7µm + 95% for water
Oil Change Intervals	h		250	
Preheating resistance			1000W - standart to automatic gensets	

Alternator Specification	Description
Type	Brushless
Excitation	Shunt
Voltage Regulator	Electronic incorporated with dynamic response from 0 up to 20ms ; static control of 1,5%
IP Rating	IP23
Isulation Class	180°C (Class H)
Harmonic Distortion Without Load	< 3%
Short Circuit Current	3x IN during 10 s
Leads	12
Connection Box	Connectable in 3 Tensions
Bearing	Single
Cooling	Air
Mounting types	B15T
Winding Pitch	Shortened 2/3
Impregnation	Industrial Salinity Resistant with Salt Concentration =< 1 g/m3

Command Panel Specifications	Unit	Description
Type		Manual Automatic
Single Without Ramp		DEEP SEA DS4520
Single & Synchronising control		DEEP SEA DS8620
Parallel Without Ramp		DEEP SEA DS8610 + DS331
Parallel With Ramp		DEEP SEA DS8610 + DS8660
Three Phase Voltage	Vca	220 / 127 - 380 / 220 - 440 / 254
IP Rating		IP-23
Dimensions (H x W x D)	mm	1200 x 600 x 255
Protection		Manual thermomagnetic circuit-breaker - tripolar fixed
Parallelism Connection between Generators		Motorized Circuit Breaker
Battery Charger		YES NO

Assembly Specifications	Unit	Description
Type		Open Skid Canopy
Exhaust System		Industrial 3" and stainless-steel bellows; Hospitaller 3" and stainless-steel bellows
Width (W)	mm	1014 1014
Length (L)	mm	1970 2380
Height (H)	mm	1520 1695
Empty Weight	kg	1050 1300
Impregnation		Polyester powder electrostatic (base in black color and Canopy in blue color)
Impregnation type		Textured
Salt Spray Resistance Assembly Specifications		Minimum 500h (on phosphatized plate)
Paint Thickness		80 µm [microtexturized]
Levels of noise	1,5 m	dB(A) 103 85
	7,0 m	dB(A) 98 ND

NA - Not Available

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