

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 ± 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	
Insulation 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;	Hospitalar 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

Updated: 24/03/2023

