

1. Genset 170 kVA - 60Hz**POWERED BY****2. Technical informations**

Generator Specifications		Unit	Description		
Regulation class			ISO8528		
Frequency	7,0 m	Hz		60	
Power Factor				0.8	
Three Phase Voltage	7,0 m	Vca	220 / 127 - 380 / 220 - 440 / 254		
Operating System			Stand-By	Prime	COP
Genset Power	7,0 m	kVA / kW	170 / 136	150 / 120	120 / 96
Diesel Engine Power	7,0 m	CV	212	190.2	152.2
Fuel Tank			Removable in the 170 liters base		
Consumption ± 5%	7,0 m	l/h	38.6	35.2	31.1
Fuel Tank Autonomy	7,0 m	h	4.4	4.8	5.5
Battery			12V - 95Ah - 750CCA		

Engine Specifications		Unit	Description		
Model			Serie 12-4.12TCAG1		
Brand			MWM		
Application			Stationary		
Rotation	7,0 m	rpm		1800	
Configuration			04- stroke / 4 Cylinders in line		
Bore x Stroke	7,0 m	mm		105 x 137	
Aspiration Type / Injection System			Turbo Aftercooled / Mechanical Direct		
Displacement	7,0 m	l		4.8	
Compression Ratio				16,9 : 1	
Alternator, standart equipment	7,0 m	A		90	
Starter, standart equipment	7,0 m	Vcc - kW		12 - 3,3	
Cooling System			Water + Air + Blowing Ventilation System		
Coolant Total Capacity	7,0 m	l		18	
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	7,0 m	l		10	
Lube Oil Filter Replacement Interval	7,0 m	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	7,0 m	h		250	
Preheating resistance			1000W - Standart to automatic Genset		

DIESEL GENSET**Genset MGD170.60**

Alternator Specification		Description	
Type		Brushless	
Excitation		With Auxiliary Coil	
Voltage Regulator		Electronic incorporated with dynamic response from 8 up to 500ms ; static control of 0,5%	
IP Rating		IP23	
Insulation Class		180°C (Class H)	
Harmonic Distortion Without Load		< 5%	
Short Circuit Current		3x IN during 10 s	
Leads		12	
Connection Box		Connectable in 3 Tensions	
Bearing		Double	
Cooling		Air	
Mounting types		B35T	
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 With Ramp			DEEP SEA	
			DS8620	
Parallel Without Ramp			DEEP SEA	
			DS8610 + DS331	
Parallel With Ramp			DEEP SEA	
			DS8610 + DS8660	
Three Phase Voltage	7,0 m	Vca	220 / 127 - 380 / 220 - 440 / 254	
IP Rating			IP-23	
Dimensions (H x W x D)	7,0 m	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 4" and stainless-steel bellows	
Width (W)	mm		1150	1150
Length (L)	mm		2675	3126
Height (H)	mm		1584	1756
Empty Weight	kg		1250	1602
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]	
Noise Levels	1,5 m	dB(A)	103	85
Levels of noise	7,0 m	dB(A)	101	NA

NA - Not Available

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