

## 1. Genset 150 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	150 / 120	136 / 109	110 / 88
Diesel Engine Power	7,0 m	CV	195.7	175.3	139.9
Fuel Tank			Removable in the 100 liters base		
Consumption $\pm 5\%$	7,0 m	l/h	34.4	31.3	25
Fuel Tank Autonomy	7,0 m	h	4.9	5.4	6.8
Battery			12V - 95Ah - 750CCA		

Engine Specifications		Unit	Description
Model			Serie 12-4.12TCAG
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 Direc
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 FilterMain
Fuel Filter Specification			N/A85% p/ Particles > 7µm + 95% for water
Oil Change Intervals	7,0 m	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	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; Hospitaller 4" and stainless-steel bellows
Width (W)	mm	1150 1150
Length (L)	mm	2675 3126
Height (H)	mm	1584 1756
Empty Weight	kg	1170 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]
Levels of noise	1,5 m dB(A)	103 85
	7,0 m dB(A)	98 NA

NA - Not Available

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