

1. Genset 500 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	500 / 400	456 / 364	NA
Diesel Engine Power	CV	610.1	557.2	NA
Fuel Tank		Removable in the 400 liters base		
Consumption $\pm 5\%$	l/h	104	93.09999999999999	NA
Fuel Tank Autonomy	h	3.8	4.3	NA
Battery		2 x 12V - 150Ah - 900CCA		

Engine Specifications		Unit	Description	
Model			DC13 072A 02-12	
Brand			SCANIA	
Application			Stationary	
Rotation	rpm		1800	
Configuration			04- stroke / 6 Cylinders in line	
Bore x Stroke	mm		130 x 160	
Aspiration Type / Injection System			Turbo Aftercooler / Eletronic Direct	
Displacement	l		12.7	
Compression Ratio			16.3:1	
Alternator, standart equipment	A		100	
Starter, standart equipment	Vcc - kW		24 - 06	
Cooling System			Water + Air + Blowing Ventilation System	
Coolant Total Capacity	l		50	
Coolant Specification			Havoline Xtended Life Premix 50/50	
Lube Oil Specification			SAE 15W40 / ACEA E3, E4, E5 or E7	
Lube Oil liter Capacity with filter	l		36	
Lube Oil Filter Replacement Interval	h		500	
Fuel Type Specification			S10	
Fuel Filter			Pre-Filter	Main
Fuel Filter Specification			Paper Filter element 10 micron	Paper Filter element 5 micron
Oil Change Intervals	h		500	
Preheating resistance			2000W - Standart to automatic Genset	

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
Isulation 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	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 8" and stainless-steel bellows; Hospitaller 8" and stainless-steel bellows
Width (W)	mm	1180 1180
Length (L)	mm	3693 4640
Height (H)	mm	1970 2285
Empty Weight	kg	3044 3650
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) 117 85
	7,0 m	dB(A) 101 NA

NA - Not Available

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