

**1. Genset 640 kVA - 50Hz****POWERED BY****VOLVO PENTA****DSE****WEG****2. Technical informations**

Generator Specifications	Unit	Description		
Regulation class		ISO8528		
Frequency	Hz	50		
Power Factor		0.8		
Three Phase Voltage	Vca	380 - 220 / 400 - 231		
Operating System		Stand-By	Prime	COP
Genset Power	kVA / kW	640 / 512	580 / 464	400 / 320
Diesel Engine Power	CV	767.2	698	488.8
Fuel Tank		Removable in the 400 liters base		
Consumption ± 5%	l/h	131.8	118	83
Fuel Tank Autonomy	h	3.4	3.8	5.4
Battery		2 x 12V - 180Ah - 1000CCA		

Engine Specifications	Unit	Description	
Model		TAD1642GE-B	
Brand		VOLVO	
Application		Stationary	
Rotation	rpm	1500	
Configuration		04- stroke / 6 Cylinders in line	
Bore x Stroke	mm	144x165	
Aspiration Type / Injection System		Turbo Aftercooler / Eletronic Direct	
Displacement	l	16.12	
Compression Ratio		17.0:1	
Alternator, standart equipment	A	80	
Starter, standart equipment	Vcc - kW	24.07	
Cooling System		Water + Air + Blowing Ventilation System	
Coolant Total Capacity	l	60	
Coolant Specification		Havoline Xtended Life Premix 50/50	
Lube Oil Specification		Volvo Penta Diesel Engine Oil VDS-3, VDS-4, VDS-4.5	
Lube Oil liter Capacity with filter	l	48	
Lube Oil Filter Replacement Interval	h	600	
Fuel Type Specification		S10	
Fuel Filter		Pre-Filter	Main
Fuel Filter Specification		Paper Filter element 10000μ	Paper Filter element 5000μ
Oil Change Intervals	h	600	
Preheating resistance		2000W - Standart to automatic Genset	

**DIESEL GENSET**

Genset VGD640.50

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		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 With Ramp			DEEP SEA	
			DS8620	
Parallel Without Ramp			DEEP SEA	
			DS8610 + DS331	
Parallel With Ramp			DEEP SEA	
			DS8610 + DS8660	
Three Phase Voltage	Vca		380 - 220 / 400 - 231	
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	Hospitalar 8" and stainless-steel bellows
Width (W)	mm		1200	1500
Length (L)	mm		3700	5000
Height (H)	mm		2200	2400
Empty Weight	kg		5500	6400
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)	119	85
	7,0 m	dB(A)	101	NA

NA - Not Available

Updated: 17/09/2020

