

ATS 100 SD

Advanced Technical Solutions



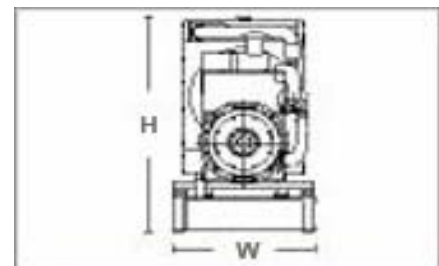
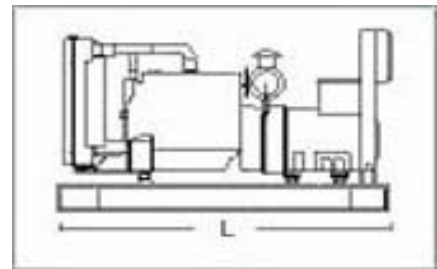
Diesel Generator Set (50Hz, 400V)

Power Output Ratings

		50Hz / 400V
Standby Power	kVA	98
	kW	79
Prime Power	kVA	90
	kW	92

Engine

Manufacturer	SDEC Cummins Technology		
Model	SC5D122D		
No of Cylinder / Configuration	4 in Line		
Displacement	Liter	5,3	
Bore / Stroke	mm	114/130	
Compression Ratio	17,3:1		
Governor Type	Electronic		
Aspiration	Turbo Charger		
Cooling System	Water		
Coolant Capacity	Liter	29,5	
Lubrication Oil Capacity	Liter	17,5	
Electrical System	V/DC	24	
Speed / Frequency	1/min / Hz	1500 / 50	
Engine Gross Power	kWm	99	
Fuel Consumption	L / H	110%	14,5
		100%	13,5
		75%	11
		50%	9,5
Exhaust Outlet Temperature	C°	600	
Exhaust Gas Flow	m³/min	22	
Combustion Air Flow	m³/min	8	
Cooling Air Flow	m³/min	140	



Alternator

Manufacturer	MEGATON		
Model	MWL34528EA1		
No of Phase	3		
Power Factor	0,8		
No of Bearing	1		
No of Pole	4		
No of Leads	12		
Voltage Output	±%0,5		
Insulation Class	H		
Protection Class	IP 23		
Excitation System	AVR, Brushless		
Connection Type	Star		
Total Harmonic Content	<%2		
Frequency	Hz	50	
Voltage Output	V/AC	230 / 400	
Rated Power	kVA	98	
Efficiency	%	87,4	

Dimensions

	W x L x H (mm)	Weight (kg)	Fuel Tank (Liter)	Noise (7m)
with Canopy	1037 x 3265 x 1700	2100	168	73dB(A)
without Canopy	750 x 2400 x 1620	1595	144	94dB(A)

Technical Changes Reserved