



COOPER CORPORATION PVT LTD
PROVISIONAL PRODUCT TECHNICAL SPECIFICATIONS
PRODUCT : 7.5KVA V-twin IS Genset-CPCB-IV+

Document no:
Rev no:1
ECA:
Date of Release:22-04-2024
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Title	Description	Unit	DETAILS
Basic Genset	Genset Model	—	Single Phase-CDY107.51D44 Three Phase-CDY107.53D44
	Genset Make	—	Cooper
	Genset Rating at NTP	kVA	7.5
	Voltage	Volt	230/415
	Phase	-	1-Phase/3-Phase
	Power Factor	—	0.8
	Current (1-Ph/3-Ph)	Amps.	32.61/10.43
	<u>LAT</u>	<u>°C</u>	>45
Basic Engine	Engine Model	—	2E1D1C15.5UA
	Engine Make	—	Cooper
	No. of cylinder	Nos.	V-twin
	Bore	mm	87
	Stroke		72
	Swept Volume	Lit	0.856
	Rating at NTP	kW	14.6
	Engine Speed	RPM	1500@Camshaft output
	Aspiration	NA/TC/TC-IC	NA
	Compression Ratio	—	19 ± 1 :1
	<u>Governing Class as per IS</u>	—	G2-Class
Alternator	Alternator Make	—	Meccalte
	Alternator model	-	Single Phase- ECP3 1L4C Three Phase- ECP3 1L4C
	Alternator rating	kVA	7.5
	Class of insulation	—	H
	Frequency	Hz	50
	Phase	—	1-Phase/3-Phase
	Coupling details	—	Fly wheel Housing SAE-5 Flywheel SAE-7.5

00	Initial release	22/04/2024	Harinadh ketha	Harinadh ketha	Vasundhara Arde
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Title	Description	Unit	DETAILS	
Genset Control Panel	Genset Controller Make		Deepsea / Enertrak	
	Control Panel Type		ASAS/AMF	
	Starting System		12V DC	
	Sensors		Display	Availability
	Coolant Temperature		NA	NA
	Oil pressure		Yes	Yes
	Exh.gas Temperature		NA	Yes
	Magnetic Pick up		Yes	Yes
	Coolant Level sensor		NA	NA
	Fuel level		Yes	Yes
	Safeties		Warning Alarm	Shut Down
	Over Speed		Yes	Yes
	Cyl. head Temperature		NA	Yes
	Oil pressure		Yes	Yes
	Coolant Level sensor		NA	NA
	Fuel level		Yes	Yes
	Battery Under/Over voltage	—	Yes	Yes
	Battery Charging Fail	—	Yes	NA
	AC Under / over voltage	—	Yes	Yes
	Under/over Frequency	—	Yes	Yes
	Over load/over current	—	NA	Yes
Fuel System	Fuel System		Bosch-Mechanical	
	Type Of Fuel		Diesel	
	Tolerance on Fuel Consumption	%	+5	
	Genset Fuel Tank Capacity	Lit	48	
Oil System	Type of Oil		5°C to 45°C : 15W40 CI4 Plus 5°C to -30°C: 5W30 CI4 Plus	
	Oil capacity	Lit.	Min.	-
			Max.	2
	Oil Consumption	%	< 0.1% of BSFC	
Title	Description	Unit	DETAILS	
Cooling System	Type of cooling		Air Cooled	
	Type of Coolant		NA	

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	Coolant Capacity	Lit	NA	
Battery capacity	Voltage	V	12	
	Capacity	AH	65	
<u>Noise</u>	Genset	<u>dBA</u>	< 73	
Dry Weight	Engine	Kg	~ 88	
	Genset		~ 488	
ENGINE EMMISION	Engine	-	CPCB-IV+	
Size	Engine	mm	L x W x H	717 X 572 X 705 (Including Exhaust pipe)
	Genset with silencer			1400 (L- 1562 including duct) X 830 X 1102
	Genset without silencer			1400 (L- 1562 including duct) X 830 X 1102

Note:-

* Oil grade will be changed as per ambient temperature.

NA: Not Applicable.

Specifications are subject to change without notice due to continuous product development and improvement.

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