



COOPER CORPORATION PVT LTD
PROVISIONAL PRODUCT TECHNICAL SPECIFICATIONS
PRODUCT : 15KVA 2Cyl.Mechanical OS Genset-CPCB-IV+

Document no:
Rev no:1
ECA:
Date of Release:14-09-2023
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Title	Description	Unit	DETAILS
Basic Genset	Genset Model	—	Single Phase-CDP100151D41 Three Phase-CDP100153D41
	Genset Make	—	Cooper
	Genset Rating at NTP	kVA	15
	Voltage	Volt	230/415
	Phase	-	1-Phase/3-Phase
	Power Factor	—	0.8
	Current (1-Ph/3-Ph)	Amps.	65.3/20.9
	<u>LAT</u>	<u>°C</u>	>45
Basic Engine	Engine Model	—	2A5D1C18.8IW
	Engine Make	—	Cooper
	No. of cylinder	Nos.	2
	Bore	mm	87
	Stroke		100
	Swept Volume	Lit	1189
	Rating at NTP	kW	18.8
	Engine Speed	RPM	1500
	Aspiration	NA/TC/TC-IC	TCIC
	Compression Ratio	—	19.5:1
	<u>Governing Class as per IS</u>	—	G2-Class
Alternator	Alternator Make	—	Leroy-Somer
	Alternator model	-	Single Phase-LSAP 42.3 A Three Phase-LSAP 40 E
	Alternator rating	kVA	15
	Class of insulation	—	H
	Frequency	Hz	50
	Phase	—	1-Phase/3-Phase
	Coupling details	—	Fly wheel Housing SAE-3 Flywheel SAE-11.5

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Title	Description	Unit	DETAILS	
Genset Control Panel	Genset Controller Make		Deepsea / Enertrak	
	Control Panel Type		MCP/ASAS/AMF	
	Starting System		12V DC	
	Sensors		Display	Availability
	Coolant Temperature		Yes	Yes
	Oil pressure		Yes	Yes
	Oil Temperature		NA	NA
	Magnetic Pick up		NA	NA
	Coolant Level sensor		NA	NA
	Fuel level		Yes	Yes
	Safeties		Warning Alarm	Shut Down
	Over Speed		Yes	Yes
	Coolant Temperature		Yes	Yes
	Oil pressure		Yes	Yes
	Coolant Level sensor		NA	NA
	Fuel level		Yes	Yes
Fuel System	Fuel System		Bosch-Mechanical	
	Type Of Fuel		Diesel	
	Tolerance on Fuel Consumption	%	+5	
	Genset Fuel Tank Capacity	Lit	67	
Oil System	Type of Oil		15 W 40 CI4+	
	Oil capacity	Lit.	Min.	-
			Max.	5
	Oil Consumption	%	< 0.1% of BSFC	

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Title	Description	Unit	DETAILS	
Cooling System	Type of cooling		Liquid	
	Type of Coolant		Ethylene glycol: Water-50:50	
	Coolant Capacity	Lit	5.5	
Battery capacity	Voltage	V	12	
	Capacity	AH	65	
<u>Noise</u>	Genset	<u>dBA</u>	< 73	
Dry Weight	Engine	Kg	~210	
	Genset		~670	
ENGINE EMISSION	Engine	-	CPCB-IV+	
Size	Engine with Radiator	mm	L x W x H	-
	Genset with silencer			1778 x 827 x 1424
	Genset without silencer			1778 x 827 x 1050

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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