



COOPER CORPORATION PVT LTD
PROVISIONAL PRODUCT TECHNICAL SPECIFICATIONS
PRODUCT : 82.5KVA VECV 4Cyl CRDI 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	—	CDZ182.53D42
	Genset Make	—	Cooper
	Genset Rating at NTP	kVA	82.5
	Voltage	Volt	415
	Phase	-	3-Phase
	Power Factor	—	0.8
	Current (1-Ph/3-Ph)	Amps.	114.8
	<u>LAT</u>	°C	>45
Basic Engine	Engine Model	—	E494TCIC
	Engine Make	—	VECV
	No. of cylinder	Nos.	4
	Bore	mm	100
	Stroke		120
	Swept Volume	Lit	3.8
	Rating at NTP	kW	77
	Engine Speed	RPM	1500
	Aspiration	NA/TC/TC-IC	TCIC
	Compression Ratio	—	17:1
	<u>Governing Class as per IS</u>	—	G2-Class
Alternator	Alternator Make	—	Meccalte
	Alternator model	-	ECP32 2L4C
	Alternator rating	kVA	82.5
	Class of insulation	—	H
	Frequency	Hz	50
	Phase	—	3-Phase
	Coupling details	—	Fly wheel Housing SAE-2 Flywheel SAE-11.5

00	Initial release	14/09/2023	Harinadh ketha	Harinadh ketha	Vasundhara Arde
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Title	Description	Unit	DETAILS	
Genset Control Panel	Genset Controller Make		DIEF	
	Control Panel Type		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 CRDI	
	Type Of Fuel		Diesel	
	Tolerance on Fuel Consumption	%	+5	
	Genset Fuel Tank Capacity	Lit	200	
Oil System	Type of Oil		15 W 40 CI4+	
	Oil capacity	Lit.	Min.	-
			Max.	14.5
	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	15	
Battery capacity	Voltage	V	12	
	Capacity	AH	130	
<u>Noise</u>	Genset	<u>dBA</u>	< 73	
Dry Weight	Engine	Kg	xxxx	
	Genset		xxxx	
ENGINE EMISSION	Engine	-	CPCB-IV+	
Size	Engine with Radiator	mm	L x W x H	-
	Genset with Exh.duct			3225 x 1100 x 2975
	Genset without Exh.duct			3225 x 1100 x 1594

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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