

C T O V S 0 7 0 9

Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT**

1	Customer's Name	M/s ASHMA-MOTORS PRIVATE LIMITED
2	Customer's Address	C/O Ali Akbar, Boropara, Chakbansberia, Bansberia, Hooghly, West Bengal, 712 121
3	Technical Specification No. & Date	AMP/TA/01 & Dated : 01/01/2023
4	Docket ID	CVTNBAHMASACSC164489
5	Description of Test Sample a) Model b) Type c) Category d) Manufacturer	ASHMA A-1 Special Purpose Battery Operated Vehicle E- Rickshaw M/s ASHMA-MOTORS PRIVATE LIMITED
6	Test Objective	Compliance to the requirements of CMVR -1989 as amended up to date as notified in G.S.R 709(E) Dt. 08/10/2014 & SO 2590(E) Dt. 08/10/2014.
7	Test Method	As per respective standards.
8	Conclusion	Vehicle meets the compliance requirements of respective standards.
9	Place of Issue	ICAT Centre II
10	Total No. of pages	4 + 1 Drawing

Remarks: Refer page 4 of 4 for Disclaimer.

Format No.: ICAT/VEL/F/22/04

Prepared By	Checked & Authorized By	Approved By	
			 
<b>Vijay Negi</b> Asst. Manager	<b>Manish Kumar</b> Manager	<b>Keshav Kr. Tripathi</b> Asst. General Manager	Page 1 of 4 + 1 Dwg.

C T O V S 0709

Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT  
ASHMA A-1**



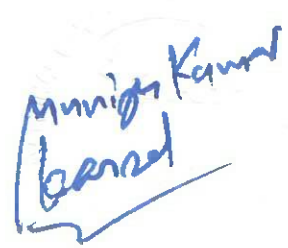
Motor No. 00001 Date of Receipt of Sample(DUT) 04 April 2023  
 Chassis No. MD9AMPWE4AA958001 Date of Performance of Test 05 April 2023  
 Test Site ICAT Centre II Battery Operated Vehicle

Physical/Functional Verification Of Sample Ok

Test Description:- Brake Test (IS 14664:1999)

Rule No.	PARAMETER	TEST RESULTS						
96(4)	Brake Test (IS 14664:1999) Dynamic Test - Front Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s <sup>2</sup> )		Service Brake Type - Mechanical Expandable Brake Shoe Type Front brake - Drum, hand operated Make of Lining - M/s Siddhartha Brakes Pvt Ltd. (ID : D17KCC) Measured Dimensions,mm - 143.0 X 24.8 X 3.4 (ArcLengthxWidthxThickness) Drum Diameter, mm - 130 Rear brake - Drum, foot operated Make of Lining - M/s Ashma-Motors Pvt Ltd. (ID: D17KCC) MeasuredDimensions,mm - 139.0 X 33.1 X 7.0 (ArcLengthxWidthxThickness) Drum Diameter, mm- 160 Tyre(All), Make - M/s CEAT Tyre Size & Pressure : 3.75-12 66B 4PR & 345 kPa Parking Brake Type of Brake - Hand Operated Type Mechanical Refer Drawing No.- 01 of this report for brake system layout. *Conducted after type F test as per Clause 13.1 & 13.3.1 of IS 14664 :1999 # Test Conducted as per Clause 12.10 of IS 14664:1999  Test conducted for introduction of new model. First time Type Approval.
				Observed	Limit	Observed	Limit	
	Laden <sup>#</sup>	--	--	--	--	--	--	
	Unladen <sup>#</sup>	--	--	--	--	--	--	
	Hot Performance	19.2	18.9	9.1	13.1	1.5	1.0	
	Brake Test (IS 14664:1999) Dynamic Test - Rear Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s <sup>2</sup> )		
				Observed	Limit	Observed	Limit	
	Laden	19.2	18.4	5.4	7.2	2.6	2.7	
	Unladen	19.2	14.5	4.0	7.6	3.5	2.5	
	Hot Performance	19.2	18.3	5.5	7.3	2.6	1.6*	
Brake Test (IS 14664:1999) Dynamic Test - Both Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s <sup>2</sup> )			
			Observed	Limit	Observed	Limit		
Laden <sup>#</sup>	19.2	22.5	3.7	5.1	4.2	4.4		
Unladen <sup>#</sup>	19.2	16.5	2.8	5.1	5.6	4.4		
Brake Test (IS 14664:1999) Parking Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s <sup>2</sup> )			
			Observed	Limit	Observed	Limit		
Dynamic Parking Brake	19.2	16.0	6.6	16.9	2.2	1.5		
Static Parking Brake	Could hold the laden vehicle upwards & downwards, with G.V.W. 765 kg on 18% gradient with force of 22.8 kg							

Format No.: ICAT/VEL/F/03/01

Prepared By	Checked & Authorized By	 <p>Page 2 of 4 + 1 Dwg.</p>
		
<b>Vijay Negi</b> Asst. Manager	<b>Manish Kumar</b> Manager	

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C T O V S 0709

Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT  
ASHMA A-1**

Motor No. 00001	Date of Receipt of Sample(DUT)	04 April 2023
Chassis No. MD9AMPWE4AA958001	Date of Performance of Test	04 April 2023
Test Site ICAT Centre II	Battery Operated Vehicle	




Physical/Functional Verification Of Sample Ok

**Test Description:- Weight Measurement**

Rule No.	PARAMETER	TEST RESULTS		
--	<b>Weight Measurement</b>			Measured Vehicle Dimensions Length, mm - 2780 Width, mm - 995 Height, mm - 1800  Battery, Make : M/s Eastman Auto & Energy Ltd. Model/ID: EM120ER  Test conducted for introduction of new model. First time Type Approval. Format No. : ICAT/VEL/F/12/01
	<b>Unladen</b>	<b>Specified</b>	<b>Measured</b>	
	FAW, kg	104.0	104.0	
	RAW, kg	281.0	281.0	
	Total Weight, kg	385.0	385.0	
	<b>Laden</b>			
	FAW, kg	172.0	172.0	
	RAW, kg	593.0	593.0	
	Total Weight, kg	765.0	765.0	

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Prepared By	Checked & Authorized By	  Page 3 of 4 + 1 Dwg.
		
<b>Vijay Negi</b>	<b>Manish Kumar</b>	
Asst. Manager	Manager	




C T O V S 0 7 0 9

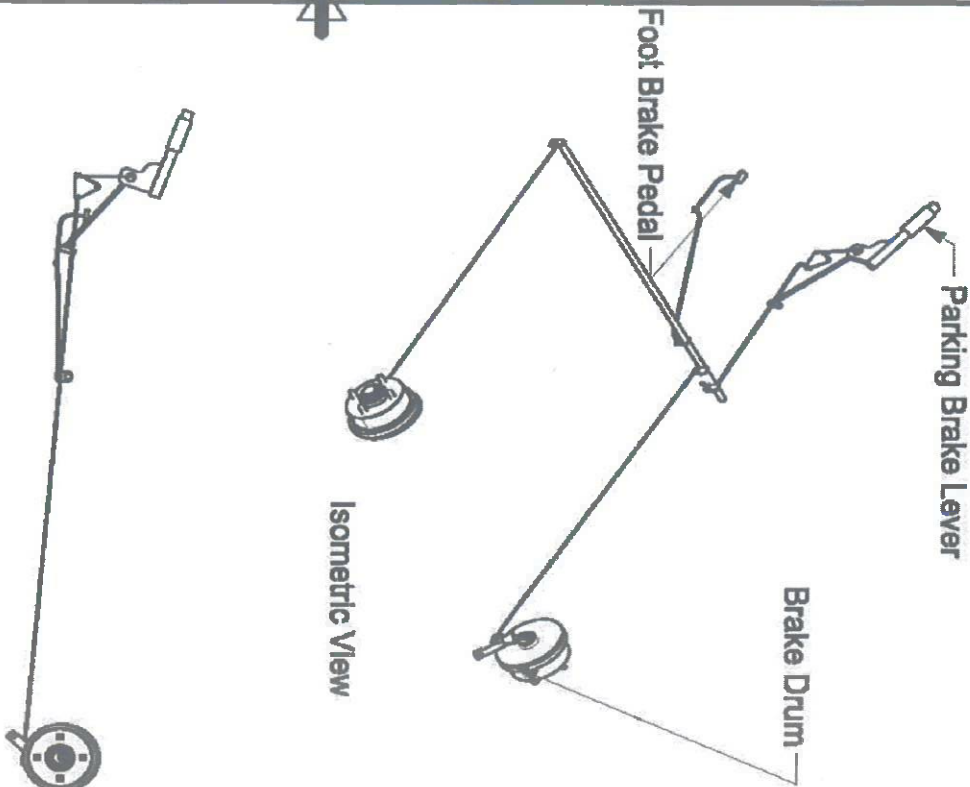
Date : 27 April 2023

**DISCLAIMER**

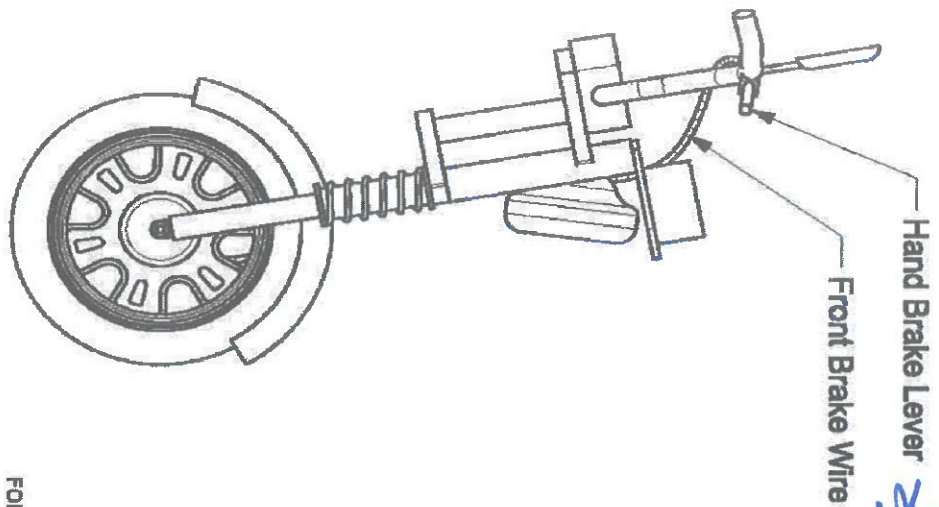
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- 2 ICAT issues Test Reports/ Extension Reports/ Developmental Test Reports in compliance to Motor Vehicle Act/ Central Motor Vehicle Rules/ Central Pollution Control Board rules and their provisions as amended from time to time or any other statutory orders under which ICAT is authorized. Other Rules/Acts are outside the purview/scope of the Test Reports/Extension Reports/ Developmental Test Reports.
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Format No.: ICAT/VEL/F/52/01

Prepared By	Checked & Authorized By	  Page 4 of 4 + 1 Dwg.
		
<p><b>Vijay Negi</b> Asst. Manager</p>	<p><b>Manish Kumar</b> Manager</p>	



Side View



FOR ASHMA-MOTORS PVT LTD  
 DIRECTOR  
*[Signature]*

*[Signature: Vijay]*

*[Signature: Manish Kumar]*



Ashma-Motors Pvt Ltd.		Date : 01-01-2023	Drawing No. AMPLO2
Designed By:-	ROHIT SINGH	Model Name	ASHMA A-1
Approved By:-	M.K SINGH	Note : All Dimensions are in mm	
Brake Systems Layout			

1 2 3 4 5 A4