



INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

(A division of National Automotive Board (NAB) - MHI, Govt. of India)

Ready Reckoner - T12/T3/T4 Category CMVR TYPE APPROVAL

Definition	Category T means non-self-propelled driven road vehicle, including a semi-trailer, having at least two wheels which on account of its design and technical feature, is used to transport person or goods and is intended to be towed by a motor vehicle.		Dimensions	Length (meters)	Width (meters)	Height (meters)
				18.75 (Combination length)	2.60	4.0 (Open Body) 4.52 (Closed Body)
Fuel	NA		Weight	GVW ≤ 55 T		
AIS 007 Tables	Brief Tech Specs	T24 & T24B	Detail Tech Specs	T24A		
Sr. no.	Test Details		CMV Rule No.	Reference Standard	Remarks	LAB
Vehicle Level Tests						
1	Definitions (Classification of the Vehicle) –T		2(n)	IS-14272: 2011	--	-
2	Photographs		---	ICAT Procedure	--	CAE
3	CMVR physical verifications		93 to 125	CMVR, 1989	--	CAE
4	Specified Max. axle weight		-	S.O. 3467(E)	--	CAE
5	External projection		124(11)	IS 13942:1994	--	CAE
6	Brakes (Including ABS) & Brake System Compatibility (Tractor & Trailer)		96	IS 11852 : 2019	--	VEL
7	Brake and electrical connections		-	SAE J 702 (November 2008)	--	CAE
8	Tell Tale for Direction Indicator		-	Clause 6.5.8 of AIS-008	--	CAE
9	Maneuverability requirements (TCD)		-	Clause 5.0 of IS 12222:2011	--	CAE
10	T- Sign Marking		124(1)(4)	IS 9942:1981	--	CAE
11	Installation requirements for Lighting & Signaling devices		124(1)(20)	AIS:008	--	CAE
12	Interchangeability of mechanical couplings between tractors and trailers/ semi-trailer		-	IS 8007/AIS-091 (Part-1)	--	CAE
13	RUPD (For T3, T4)		-	IS 14812: 2005	--	CAE
14	SUPD (For T3, T4)		-	IS 14682:2004	--	CAE
15	Spray Suppression Systems (For T3,T4)		124 (1)(33)	AIS-013 Rev.01 :2014	--	CAE
Component Level Tests						
1	Fitment of reflective tape		104(1)	AIS:090: 2005	--	PHL
2	Lighting & Signaling devices, Reflectors		124(1)(20)	AIS : 012: 2004 & AIS:057	--	PHL
3	Automobile lamps (bulbs)		124(1)(1)	AIS : 034:2004	--	PHL
4	Electrical Coupling		-	ISO 11992-1 and 11992-2:2003 including its amendment 1:2007 For seven pin connector : ISO 7638 -1 or 7638-2:2003	--	EEL
5	Retro Reflective Markings		-	AIS-090	--	PHL
6	Rear Marking Plates		-	AIS-089	--	PHL
7	Fifth Wheel Coupling		-	AIS-091 and IS 15101	--	FTL
8	Fifth Wheel King Pin		-	AIS-091 and IS 6763 (Part 1) and (Part 2)	--	FTL
9	Landing Gears		-	AIS-091 and IS :10752 1983	--	FTL

10	Tyres	95	IS 15636 : 2005 AIS : 142	--	TTL
11	Wheel Rim	124(1)(8)	IS 9438 : 1980	--	CTL
12	EMI/EMC (ABS)	124(1)(21)	AIS:004 (Part 3)	--	EMC