

BLDC Exhaust Fan (300 mm) for Toilet Ventilation System in LHB Coaches.

The exhaust fan shall be provided for individual ventilation of each lavatory in LHB coaches and shall be suitable for fixing in the cavity of end wall from the outside of the coach end wall. The fan shall generally conform to the requirements mentioned in specification no. RDSO/PE/SPEC/TL/0021-2005, Rev.-2 and IS: 6680 (1992) with Annexure-H, 2005. However, the technical details shall be as under:

Technical Details:

S.No	DESCRIPTION	SIZE/RATING	DRG./SPEC.
1.	Overall dimensions of fan	360x360x200 mm	*
2.	Mounting Dimensions	285x285 mm	Mounting hole dia. 8 mm. Suitable for mounting with M6 size screws.
3.	Sweep	12" (300mm)	RDSO/PE/SPEC/TL/0021-2005, Rev.-2
4.	Rated Voltage of Fan Motor	110 V DC	-
5.	Wattage	90 W (max)	-
6.	RPM	1350 ± 15%	-
7.	Fan Output	50 cubic meter/min	Measurement of Air delivery of fan shall be carried out as stipulated in IS:6680 (1992) with Annexure-H
8.	Fan Blades	FRP type	RDSO drawing no. RDSO/PE/SK/AC/0199-2018, Rev.-0

*Firm shall submit the overall general arrangement drawing of exhaust fan for approval to CEDE/RCF before commencing bulk supplies.

Note:

1. The fan shall be supplied without fan guard, however mounting bracket for fixing the fan on end construction shall be provided. The thickness of MS sheet for fixing frame shall not be less than 1.6 mm and that of mounting brackets (4 nos.) not less than 3.15 mm.
2. BLDC fan shall be procured from RDSO/RCF/ICF approved sources.

EDML-153	Nil	12.03.2018	<i>JS</i>	<i>SEE</i>	<i>SEE</i>	1 OF 1
Document no.	Rev.	Date	SSE/CAD	SEE/D	Dy.CEE/D&D	Page