



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Ref No. (PR No. 1000041362)

(RFx No. 6100001813)

Technical Specifications for Pedestal Swing (Remote) BLDC Fan (Qty: - 535)

<u>Sr. No</u>	<u>Particular</u>	<u>Compliance (Yes/ No)</u>	<u>Additional Info if any</u>
1	Sweep Size/ span at least 390 mm		
2	Rated Voltage (V) 230 VAC		
3	Input Voltage Range (V) 170-280 VAC		
4	Frequency Range (Hz) 50 Hz		
5	Power Consumption (W) 27-40 watts		
6	Air Delivery (CMM) More than 70 CMM		
7	Rated Speed (RPM) min 1500 rpm with tolerance +/- 10%		
8	Service Value (CMM/W) > 2		
9	Leakage Current (mA) not more than 1.5mA		
10	Speed Control and display remote control based with digital display min 4 speed settings		
11	No. of Blades at least 3 made of ABS plastic		
12	Bearing deep groove double sided bearings		
13	Class of Copper Insulation for winding Class F		
14	Temperature rise in Motor winding in °C less than 70deg		
15	Winding Copper		
16	Insulation Resistance at least 2 mega Ohms		
17	Product components and accessories to be supplied Base, Front grill, rear grill, motor assembly, Pedestal stand, blades, Remote with batteries, assembly manual, warranty card		
18	Governing Standard As per IS 1169:1967 or better		
19	Motor Type Brushless DC motor (BLDC)		
20	Oscillating capable of oscillating 90 deg or more without jerks		
21	Height of Fan Fixed or adjustable		
22	Warranty at least 1 year (12 months)		
23	NABL Test report to be given.		
24	Brand Atomberg or substantially equivalent		