

PERFORMANCE EVALUATION OF CEILING FANS CONDUCTED BY ELECTRICAL MEASUREMENT & TEST LABORATORY-PCSIR LAHORE.

EFFICIENT 3-STAR CEILING FANS DATA:

Sr. No.	Sample Description	Model	Test Voltage (V)	Power (W)	Power Factor	Speed (r.p.m)	Air Delivery (m ³ /min)	Service Value (m ³ /min/w)
1.	Ceiling Fan (1400 mm)	Deluxe Saver	230	62.4	0.98	328	248.2	3.98
2.	Ceiling Fan (1400 mm)	Deluxe	230	59.3	0.99	323	231.9	3.91
3.	Ceiling Fan (1400 mm)	ECO Eagle	230	60.4	0.96	304	239.3	3.96
4.	Ceiling Fan (1400 mm)	Deluxe Saver	230	65.3	0.97	312	244.7	3.75
5.	Ceiling Fan (1400 mm)	Deluxe Saver	230	62.6	0.99	325	248.8	3.97
6.	Ceiling Fan (1400 mm)	Expo	230	63.2	0.98	330	240.0	3.80
7.	Ceiling Fan (1400 mm)	New Model	230	68.4	0.99	322	267.8	3.92
8.	Ceiling Fan (1400 mm)	Deluxe	230	63.5	0.96	328	249.0	3.92
9.	Ceiling Fan (1400 mm)	Deluxe	230	65.45	0.99	325	245.9	3.76
10.	Ceiling Fan (1400 mm)	Deluxe	230	68.5	0.95	323	238.2	3.48
11.	Ceiling Fan (1400 mm)	Grace Star Plus	230	65.4	0.99	328	237.1	3.63
12.	Ceiling Fan (1400 mm)	Super Deluxe	230	63.22	0.99	323	258.0	4.08
13.	Ceiling Fan (1400 mm)	Deluxe	230	71.6	0.99	309	283.4	3.96
14.	Ceiling Fan (1400 mm)	Deluxe	230	67.0	0.99	325	244.3	3.64
15.	Ceiling Fan (1400 mm)	Deluxe	230	70.8	0.99	318	255.0	3.60
16.	Ceiling Fan (1400 mm)	Deluxe	230	69.2	0.99	314	249.5	3.61
17.	Ceiling Fan (1400 mm)	Deluxe Gold	230	61.0	0.99	327	238.5	3.91

DC 12V CEILING FANS DATA:

Sr. No.	Sample Description	Model	Test Voltage (V)	Power (W)	Power Factor	Speed (r.p.m)	Air Delivery (m³/min)	Service Value (m³/min/w)
1.	Ceiling Fan (1400 mm)	AFE-786	12V DC	37.2	N/A	300	221.1	5.94
2.	Ceiling Fan (1400 mm)	Executive Solar	12V DC	34.8	N/A	320	197.3	5.67
3.	Ceiling Fan (1400 mm)	Galaxy	12V DC	29.88	N/A	324	210.2	7.03
4.	Ceiling Fan (1400 mm)	Passion	12V DC	28.68	N/A	280	164.6	5.74
5.	Ceiling Fan (1400 mm)	DC 12VOLT	12V DC	31.7	N/A	329	198.2	6.25

IN EFFICIENT CEILING FANS DATA:

Sr. No.	Sample Description	Model	Test Voltage (V)	Power (W)	Power Factor	Speed (r.p.m)	Air Delivery (m³/min)	Service Value (m³/min/w)
1.	Ceiling Fan (1400 mm)	Deluxe	230	89.5	0.99	327	219	2.45
2.	Ceiling Fan (1400 mm)	Deluxe	230	109.3	0.99	369	243	2.22
3.	Ceiling Fan (1400 mm)	Deluxe	230	91.9	0.94	330	190	2.07
4.	Ceiling Fan (1400 mm)	Deluxe	230	94.8	0.97	300	256.1	2.70
5.	Ceiling Fan (1400 mm)	Deluxe	230	98.2	0.98	308	259.5	2.64
6.	Ceiling Fan (1400 mm)	-	230	126.4	0.99	324	207.8	1.64
7.	Ceiling Fan (1400 mm)	-	230	106.0	0.98	288	255.4	2.41
8.	Ceiling Fan (1400 mm)	-	230	107.8	0.89	293	243.4	2.26
9.	Ceiling Fan (1400 mm)	-	230	127.2	0.99	337	231.2	1.83
10.	Ceiling Fan (1400 mm)	-	230	90.2	0.98	202	170.9	1.89
11.	Ceiling Fan (1400 mm)	-	230	108.7	0.96	294	206.6	1.90
12.	Ceiling Fan (1400 mm)	-	230	117.4	0.96	382	223.7	1.91
13.	Ceiling Fan (1400 mm)	-	230	113.5	0.97	208	158.7	1.39
14.	Ceiling Fan (1400 mm)	Deluxe	230	92.3	0.99	284	217.0	2.35