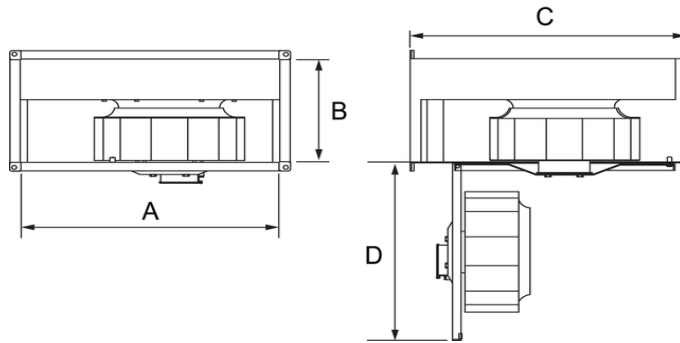


FRD Series

Inline Duct Fan



Dimensional Table:

Model	A	B	C	D
FRD 12-6**	11 7/8 (302)	5 7/8 (149)	15 3/4 (400)	11 (279)
FRD 16-8**	15 3/4 (400)	7 3/4 (197)	19 3/4 (502)	15 (381)
FRD 16-8XL**	15 3/4 (400)	7 3/4 (197)	19 3/4 (502)	15 (381)
FRD 20-10**	19 5/8 (498)	9 3/4 (248)	20 3/8 (518)	18 (457)
FRD 24-14**	23 5/8 (600)	13 3/4 (349)	28 1/2 (724)	20 (508)

Dimensions in inches (mm)

**Equivalent Dimensions for 120V and 230V models

Model	Rated Power	Voltage/Phase	Max Amps	RPM	0.0"Ps	0.25"Ps	0.5"Ps	0.75"Ps	1.0"Ps	2.0"Ps	MAX Ps	Sones [†]	Item #
	W	V/~/	A	min ⁻¹	cfm						inwg		
FRD 12-6	84	120/1	0.74 ¹	2550	309	262	214	171	133	-	2.01	8.0	40030
FRD 16-8	150	120/1	1.30 ¹	2950	560	499	434	368	300	119	2.57	13.0	40031
FRD 16-8XL	264	120/1	2.32 ¹	2800	658	599	535	471	406	196	3.44	13.1 [‡]	40032
FRD 20-10	191	120/1	1.68 ¹	1650	1013	915	814	724	617	-	1.84	16.7	40033
FRD 24-14	597	120/1	5.18 ²	1650	2318	2149	1939	1752	1527	377	2.16	18.2 [‡]	40115

Performance shown is for installation type D - Duct inlet, Ducted outlet. Speed (RPM) shown is nominal.

Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301.

Values shown are for: Installation Type D: ducted inlet hemispherical sone levels. Ratings do not include the effect of duct end correction

[†]Sones are calculated at 0.5" (static pressure in inches W.G.)

[‡]Sones are calculated at 0.75" (static pressure in inches W.G.)

¹ Recommended speed control rating 5A. ² Recommended speed control rating 10A

Model	Rated Power	Voltage/Phase	Max Amps	RPM	0.0"Ps	0.25"Ps	0.5"Ps	0.75"Ps	1.0"Ps	2.0"Ps	MAX Ps	Sones [†]	Item #
	W	V/~/	A	min ⁻¹	cfm						inwg		
FRD 12-6 230V	80	230/1	0.35 ¹	2785	275	241	211	178	146	-	2.02	10.9	40449
FRD 16-8 230V	151	230/1	0.61 ¹	2875	581	529	472	407	338	132	2.65	14.7	40590
FRD 16-8XL 230V	197	230/1	0.91 ¹	3077	555	513	483	453	419	265	3.38	15.6	45307
FRD 20-10 230V	189	230/1	0.86 ¹	1666	966	845	722	612	473	-	1.64	16.0	44022
FRD 24-14 230V	738	230/1	3.45 ¹	1591	2145	2012	1851	1693	1523	572	2.44	20.6	44003

¹ Recommended speed control rating 5A.

Certifications:



Systemair Mfg. Inc. certifies that the FRD series shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.