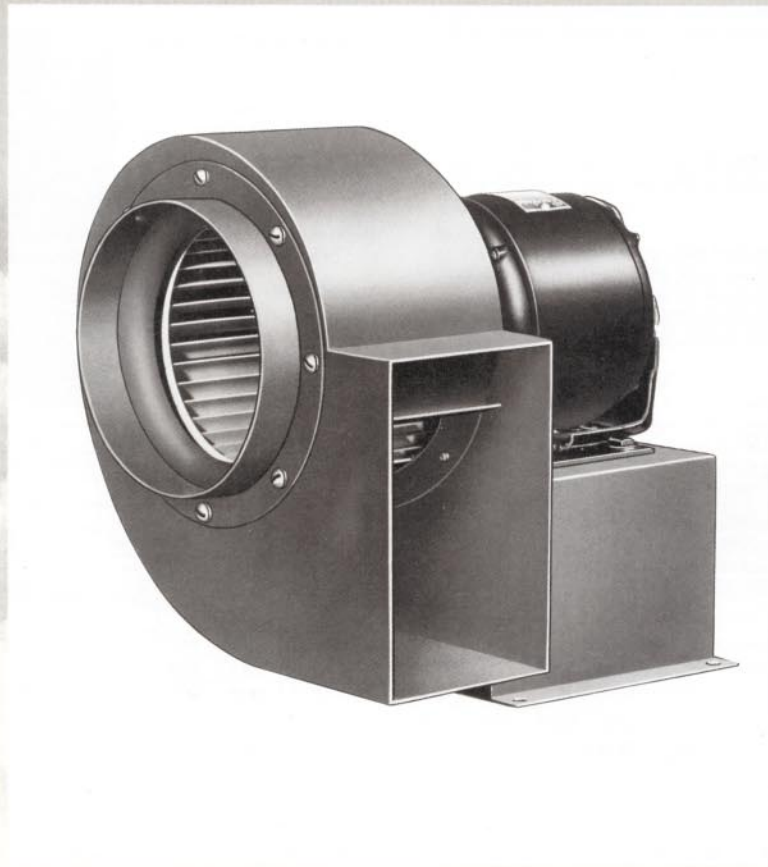




# DIRECT DRIVE BLOWERS

FORWARD CURVE

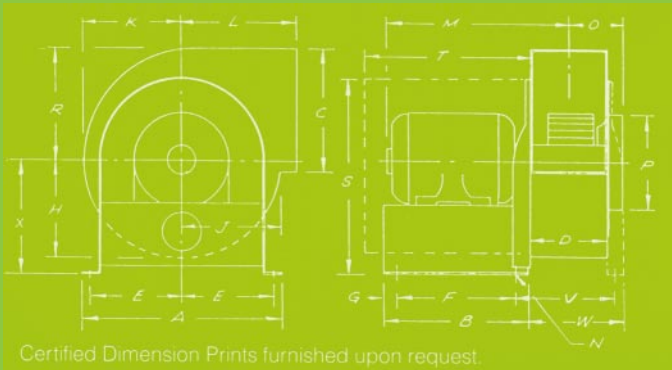


PEERLESS-WINSMITH, INC.  
**VENTILATION  
EQUIPMENT**

**PEERLESS ELECTRIC**

**MADISON MANUFACTURING COMPANY**

AFFILIATE OF PEERLESS-WINSMITH, INC.



Certified Dimension Prints furnished upon request.



# DIRECT DRIVE BLOWERS

## APPLICATION:

Used extensively for general ventilation of small areas where duct systems are required. Used for washrooms, restaurants and small hood exhaust. Slow speed units extremely quiet where noise is a factor.

## FEATURES:

### General Construction

Housings and bases are 16 gauge steel. Wheels are dynamically balanced and equipped with cast iron hubs. Blowers are finished with baked powered epoxy.

### Motors

Sizes D5 through D9 are furnished standard with open, all-angle sleeve bearing resilient mounted, split phase type motors for 115 volt, 60 cycle, single phase. 230 volt of same type motors is also available.

Sizes D11 and D12 are furnished standard with open drip proof, ball bearing 115/230 single phase, 60 cycle, rigid mounted capacitor induction motors.

All sizes are also available with ball bearings, rigid mounted motors open, totally enclosed, or explosion proof and for three phase current.

### Rotation and Discharge

Standard units are built for clockwise rotation and bottom horizontal discharge. However, any rotation or discharge will be furnished when so specified. Housings may be easily rotated to any of eight different discharge directions if desired at time of installation.

### Custom Features

Weather-proof drive covers to cover the motor are available if unit is mounted outside. Also such extras as non-ferrous wheel, vibration pads, discharge dampers, acid resisting paint, inlet or outlet screens and other special features are available for special requirements.

### Capacities

Tested in accordance with AMCA Standard 210.

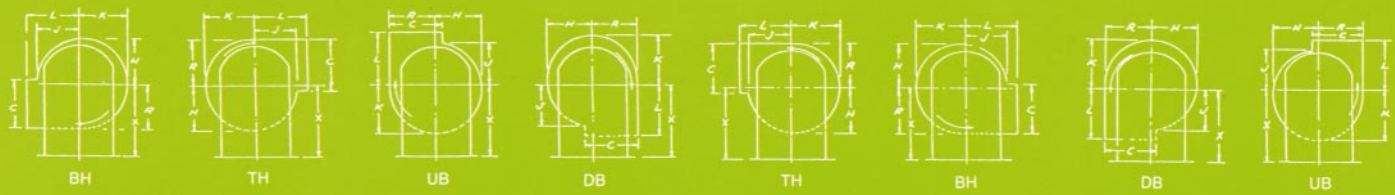
## Blower Performance Data

MODEL NO.	MOTOR H.P.	FREE AIR				1/8"		1/4"		3/8"		1/2"		5/8"		3/4"		1"		1-1/4"	
		R.P.M.	C.F.M.	O.V.		C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.
D5A	1/6	1750	184	1630	169	1500	144	1275	112	995	-	-	-	-	-	-	-	-	-	-	-
D6AA	1/6	1150	390	1880	330	1590	250	1205	100	480	-	-	-	-	-	-	-	-	-	-	-
D6AB	1/6	1750	595	2865	560	2700	515	2480	470	2265	420	2025	365	1760	300	1445	-	-	-	-	-
D8A	1/6	1150	760	2570	680	2300	620	2095	535	1810	430	1455	-	-	-	-	-	-	-	-	-
D8C	1/3	1750	1150	3885	1085	3665	1050	3550	1005	3400	960	3240	915	3090	865	2920	750	2535	580	1960	-
D9A	1/6	850	875	1870	835	1785	780	1665	680	1450	470	1005	-	-	-	-	-	-	-	-	-
D9C	1/3	1150	1180	2520	1160	2480	1125	2400	1090	2325	1035	2210	963	2060	855	1825	-	-	-	-	-
D11D	1/2	850	1520	2395	1380	2170	1290	2025	1145	1800	1010	1585	860	1350	-	-	-	-	-	-	-
D11E	3/4	1150	2060	3240	1970	3095	1870	2940	1800	2830	1710	2690	1605	2525	1500	2355	1290	2030	1020	1605	-
D12E	3/4	850	2475	2885	2365	2760	2260	2640	2140	2495	2015	2350	1885	2200	1725	2010	1245	1450	-	-	-
D12H	2	1150	3350	3900	3275	3815	3195	3725	3115	3630	3025	3530	2940	3430	2850	3320	2660	3100	2450	2855	-

## BLOWER DIMENSIONS

MODEL	MOTOR FRAME	WHEEL	A	B	C	D	E	F	G	H	J	K	L	M*	N	O	P	R	S	T	V	W	X
D5 A	48	4-1/2 X 2-1/2	8-3/8	7	5-1/8	3-3/8	3-3/4	6	1/2	3-1/2	3-1/8	3-3/4	4-1/8	11-1/2	3/8	2-3/4	4	4-5/8	8-5/8	9-1/2	-	-	5-1/4
D5 A	56	4-3/4 X 2-1/4	8-3/8	7	5-1/8	3-3/8	3-3/4	6	1/2	3-1/2	3-1/8	3-3/4	4-1/8	11-1/4	3/8	2-3/4	4	4-5/8	9-1/8	9-1/2	-	-	5-3/4
D6 AA	48	6-1/4 X 3	9-3/8	8	7-3/8	4-1/4	4-1/4	7	1/2	5	4	6	5	11-7/8	3/8	3-1/8	6	7-1/8	12-3/8	12	-	-	8-1/2
D6 AB	56	6-1/4 X 3	9-3/8	8	7-3/8	4-1/4	4-1/4	7	1/2	5	4	6	5	11-5/8	3/8	3-1/8	6	7-1/8	12-7/8	12	-	-	9
D8 A	48	7-3/4 X 3-7/8	11	8	8-1/4	3/8	5	7	1/2	6	4-5/8	6-3/4	6-7/8	12-1/2	3/8	3-3/4	8	8	13-1/8	12	-	-	8-1/2
D8 C	56	7-3/4 X 3-7/8	11	8	8-1/4	3/8	5	7	1/2	6	4-5/8	6-3/4	6-7/8	12-1/4	3/8	3-3/4	8	8	13-5/8	12	-	-	9
D9 A	48	9 X 4-1/2	12-1/8	8	10-3/4	6-1/2	5-5/8	7	1/2	6-3/4	5-5/8	7-3/4	7-1/8	13-1/4	3/8	4-3/8	9	9-1/4	14-1/2	16	-	-	9-3/8
D9 C	56	9 X 4-1/2	12-1/8	8	10-3/4	6-1/2	5-5/8	7	1/2	6-3/4	5-5/8	7-3/4	7-1/8	13	3/8	4-3/8	9	9-1/4	15	16	-	-	9-7/8
D11 D	56/145T	0-5/8 X 5-1/4	14-3/4	9	11-3/4	8	6-7/8	7-1/2	3/4	8	6-3/4	9-1/8	8-1/8	13-7/8	3/8	5	10	10-3/4	18-1/4	16	-	-	11-3/4
D11 E	182T/184T	0-5/8 X 5-1/4	14-3/4	11-1/2	11-3/4	8	6-7/8	10	3/4	8	6-3/4	9-1/8	8-1/8	15-1/2	3/8	5	10	10-3/4	17-3/4	16	-	-	11-1/4
D12 E	182T/184T	2-1/2 X 6-1/2	16-3/8	13	13-1/4	9-5/8	7-3/8	9-3/4	2-1/2	10-1/8	8-1/2	11-1/2	10-1/2	16-3/8	9/16	6-1/2	13-1/4	13-1/4	24-1/4	20	11-1/4	11-1/4	17
D12 H	213T/215T	2-1/2 X 6-1/2	16-3/8	13	13-1/4	9-5/8	7-3/8	9-3/4	2-1/2	10-1/8	8-1/2	11-1/2	10-1/2	20-3/4	9/16	6-1/2	13-1/4	13-1/4	24-1/4	20	11-1/4	11-1/4	17

\* M Dimension will vary on type of motor used.



## HIGH SPEED BLOWERS



### APPLICATION:

Use for systems that require air delivery at high static pressures, such as garage mono-oxide systems, electronic cooling or industrial applications. For lower static pressure use standard blowers as listed on opposite page.

### FEATURES:

**General Construction** – Housings and bases are 16 gauge steel. Wheels are dynamically balanced and equipped with cast iron hubs. Blowers are finished with baked powdered epoxy.

### Motors

Single phase motors are 115/230 volt, 60 cycle, capacitor start induction run type. Three phase motors are 220/440 volt, 60 cycle, squirrel cage induction run type. Standard units are furnished with open, continuous duty, ball bearing solid foot motors. Special motors are available such as totally enclosed, 25 or 50 cycle, explosion proof, etc.

### Rotation and Discharge

Standard units are built for clockwise rotation and bottom horizontal discharge. However, any rotation or discharge will be furnished when so specified. Housings may be easily rotated to any one of eight different discharge directions if desired at time of installation.

### Custom Features

Weather-proof drive covers to cover the motor are available if unit is mounted outside. Also such extras as non-ferrous wheel, vibration pads, discharge dampers, acid resisting paint, inlet or outlet screens and other special features are available for special requirements.

### Capacities

Tested in accordance with AMCA Standard 210.

## BLOWER PERFORMANCE DATA

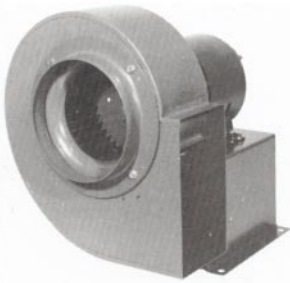
MODEL NO.	MOTOR H.P.	BLOWER R.P.M.	1/2"		3/4"		1"		1-1/4"		1-1/2"		1-3/4"		2"		2-1/4"		2-1/2"		2-3/4"		
			C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	C.F.M.	O.V.	
D9D	1/2	1750	WILL OVERLOAD MOTOR				895	1910	810	1730	735	1570	615	1315	-	-	-	-	-	-	-	-	-
D9E	3/4	1750	WILL OVERLOAD MOTOR				1550	3310	1445	3085	1290	2755	1100	2345	-	-	-	-	-	-	-	-	-
D9F	1	1750	1720	3670	1675	3580	1620	3460	1550	3310	1445	3085	1290	2755	1100	2345	-	-	-	-	-	-	-
D11F	1	1750	WILL OVERLOAD MOTOR				1425	3070	1280	2760	1120	2415	910	1960	-	-	-	-	-	-	-	-	-
D11G	1-1/2	1750	WILL OVERLOAD MOTOR				1840	3970	1730	3730	1600	3455	1450	3130	1280	2760	1040	2240	-	-	-	-	-
D11H	2	1750	WILL OVERLOAD MOTOR				2415	3795	2240	3520	2130	3345	1990	3130	1850	2910	1660	2610	-	-	-	-	-

## BLOWER DIMENSIONS

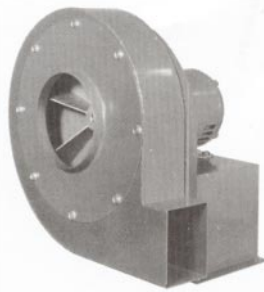
MODEL	MOTOR FRAME	HP	RPM	WHEEL	A	B	C	D	E	F	G	H	J	K	L	M*	N	O	P	R	X
D9D	56	1/2	1750	9 X 3	12-1/8	8	10-3/4	6-1/2	5-5/8	7	1/2	6-3/4	5-5/8	7-3/4	7-1/8	13	3/8	4-3/8	9	9-1/4	9-7/8
D9E	56	3/4	1750	9 X 4-1/2	12-1/8	8	10-3/4	6-1/2	5-5/8	7	1/2	6-3/4	5-5/8	7-3/4	7-1/8	13	3/8	4-3/8	9	9-1/4	9-7/8
D9F	56/145T	1	1750	9 X 4-1/2	12-1/8	8	10-3/4	6-1/2	5-5/8	7	1/2	6-3/4	5-5/8	7-3/4	7-1/8	14-1/4	3/8	4-3/8	9	9-1/4	9-7/8
D9F	182T/184T	1	1750	9 X 4-1/2	12-1/8	11	10-3/4	6-1/2	5-5/8	10	1/2	6-3/4	5-5/8	7-3/4	7-1/8	15	3/8	4-3/8	9	9-1/4	10-7/8
D11F	56/145T	1	1750	10-5/8 X 3	14-3/4	9	11-3/4	5-7/8	6-7/8	7-1/2	3/4	8	6-3/4	9-1/8	8-1/8	12-3/4	3/8	4	10	10-3/4	11-1/4
D11F	182T/184T	1	1750	10-5/8 X 3	14-3/4	11-1/2	11-3/4	5-7/8	6-7/8	10	3/4	8	6-3/4	9-1/8	8-1/8	14-5/8	3/8	4	10	10-3/4	11-3/4
D11G	56/145T	1-1/2	1750	10-5/8 X 4	14-3/4	9	11-3/4	5-7/8	6-7/8	7-1/2	3/4	8	6-3/4	9-1/8	8-1/8	12-3/4	3/8	4	10	10-3/4	11-3/4
D11G	182T/184T	1-1/2	1750	10-5/8 X 4	14-3/4	11-1/2	11-3/4	5-7/8	6-7/8	10	3/4	8	6-3/4	9-1/8	8-1/8	14-5/8	3/8	4	10	10-3/4	11-1/4
D11H	56HZ/145T	2	1750	10-5/8 X 5-1/4	14-3/4	9	11-3/4	8	6-7/8	7-1/2	3/4	8	6-3/4	9-1/8	8-1/8	13-7/8	3/8	5	10	10-3/4	11-3/4
D11H	182T/184T	2	1750	10-5/8 X 5-1/4	14-3/4	11-1/2	11-3/4	8	6-7/8	10	3/4	8	6-3/4	9-1/8	8-1/8	15-1/2	3/8	5	10	10-3/4	11-1/4

\* M Dimension will vary on type of motor used.

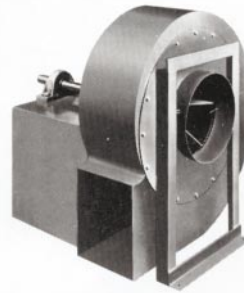




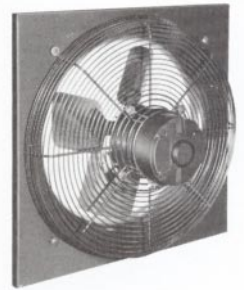
DIRECT DRIVE  
BLOWERS



PRESSURE  
BLOWERS



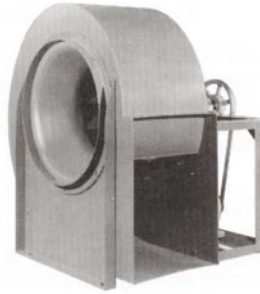
INDUSTRIAL  
FANS



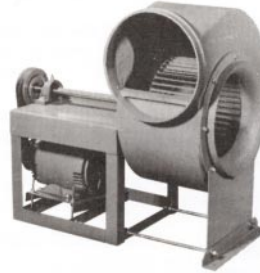
DIRECT DRIVE  
EXHAUST FANS



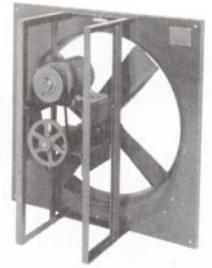
IN-LINE  
CENTRIFUGALS



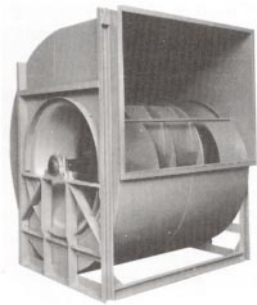
BACKWARD INCLINED  
BELT DRIVE BLOWERS



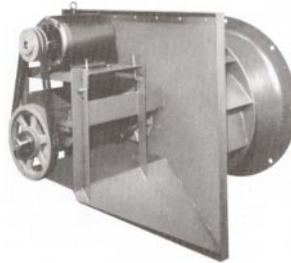
CAST IRON  
HOUSED BLOWERS



BELT DRIVE  
PROPELLER FANS



POWERFOIL BLOWERS



PLUG-PAK FANS



FORWARD CURVE  
BELT DRIVE BLOWERS

ISO 9001  
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# 1385



**PEERLESS ELECTRIC**

**MADISON MANUFACTURING COMPANY**

AFFILIATE OF PEERLESS-WINSMITH, INC.

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