

CENTRIFUGAL FANS & BLOWERS

TCD BC AIRFOIL BLOWERS

FEATURES & BENEFITS

- Direct drive, non-overloading 'TEK' impeller
- Highly efficient airfoil (BCA) design
- Epoxy coated steel housing
- Flanged and drilled outlet, ABS inlet cone
- Rugged GRP (polyamide) impeller
- Single or three phase TEFC motors
- CW rotation; rotatable to 5 positions
- Capacities to 4,500 cfm



ACCESSORIES / OPTIONS

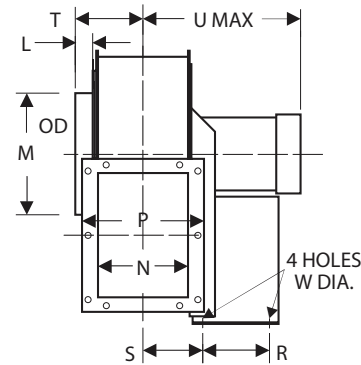
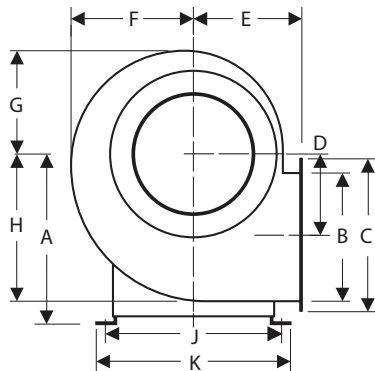
- Backdraft damper
- Weather hood
- Gravity shutter
- Inlet flanges & guards
- Shaft seal
- Drain w/plug
- Special duty motors
- CCW rotation

AIRFLOW PERFORMANCE (CFM) AT 1750 RPM

MODEL	MTR HP	dBA @5'	0" SP		.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TCD250	¼	58	840	0.08	670	0.09	440	0.08	-	-	-	-	-	-	-	-	-	-
TCD280	¼	62	1130	0.18	1030	0.18	770	0.18	350	0.16	-	-	-	-	-	-	-	-
TCD315	½	67	1650	0.33	1480	0.33	1290	0.34	1010	0.33	570	0.28	-	-	-	-	-	-
TCD355	¾	72	2320	0.63	2110	0.64	1900	0.65	1630	0.64	1300	0.63	720	0.57	-	-	-	-
TCD400	1½	73	3070	1.20	2880	1.21	2650	1.22	2410	1.23	2140	1.22	1790	1.21	1240	1.17	-	-
TCD450	2	74	4490	1.75	4320	1.77	4080	1.80	3780	1.81	3460	1.82	3080	1.80	2660	1.77	2160	1.69

AIRFLOW PERFORMANCE (CFM) AT 3450 RPM

MODEL	MTR HP	dBA @5'	0" SP		1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TCD200	⅓	68	870	0.24	700	0.24	500	0.21	275	0.17	-	-	-	-	-	-	-	-
TCD225	½	73	1060	0.42	950	0.43	780	0.44	580	0.42	-	-	-	-	-	-	-	-
TCD250	¾	75	1625	0.64	1520	0.65	1320	0.66	1110	0.66	870	0.64	440	0.53	-	-	-	-
TCD280	1½	77	2220	1.35	2170	1.37	2000	1.39	1760	1.41	1480	1.40	1150	1.34	560	1.13	-	-
TCD315	3	82	3330	2.48	3160	2.52	2960	2.53	2740	2.55	2500	2.57	2230	2.58	1910	2.53	1480	2.34
TCD355	5	86	4574	4.83	4412	4.75	4324	4.83	4180	4.67	4060	4.67	3553	4.60	3230	4.53	2850	4.37



DIMENSIONS IN INCHES*

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U MAX	W	WT (lbs) LESS MTR
TCD200	10.5	7.1	9.5	4.7	6.8	7.2	6.1	8.6	11.5	13.0	1.5	7.0	5.3	7.7	5.5	3.7	4.3	11.1	0.5	43
TCD225	11.5	7.9	10.2	5.6	7.5	8.3	6.9	9.9	12.5	14.0	1.5	8.0	6.1	8.5	5.5	4.1	4.7	12.9	0.5	51
TCD250	12.5	8.7	11.0	6.4	8.2	9.1	7.6	11.1	13.5	15.0	1.5	9.0	6.9	9.3	5.5	4.5	5.1	13.3	0.5	56
TCD280	14.0	10.2	12.6	6.7	8.9	10.1	8.5	12.2	14.5	16.0	1.5	10.0	7.7	10.0	8.0	4.9	5.5	13.7	0.5	69
TCD315	15.5	11.8	14.2	7.6	9.8	11.3	9.6	13.8	17.5	19.5	2.0	12.0	8.5	10.8	10.0	5.6	6.6	16.1	0.6	114
TCD355	17.5	13.4	15.8	8.4	10.7	12.6	10.6	15.4	19.0	21.0	2.0	14.0	9.5	11.8	12.0	6.1	7.1	14.6	0.6	120
TCD400	19.5	15.2	18.3	9.3	11.8	14.1	11.9	17.2	21.0	23.0	2.0	16.0	10.6	13.8	12.0	6.7	7.7	15.7	0.6	147
TCD450	21.5	16.9	20.1	10.5	13.2	16.0	13.3	19.3	23.0	25.0	2.0	18.0	11.8	15.0	12.0	7.3	8.3	17.8	0.6	181

*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

TFD FLANGE MOUNT BLOWERS

FEATURES & BENEFITS

- Direct drive, non-overloading 'TEK' impeller
- Highly efficient airfoil (BCA) design
- Epoxy coated steel housing
- Flanged and drilled outlet, ABS inlet cone
- Rugged GRP (polyamide) airfoil impeller
- Single or three phase TEFC motors
- CW rotation rotatable to any position
- Capacities to 4,500 cfm

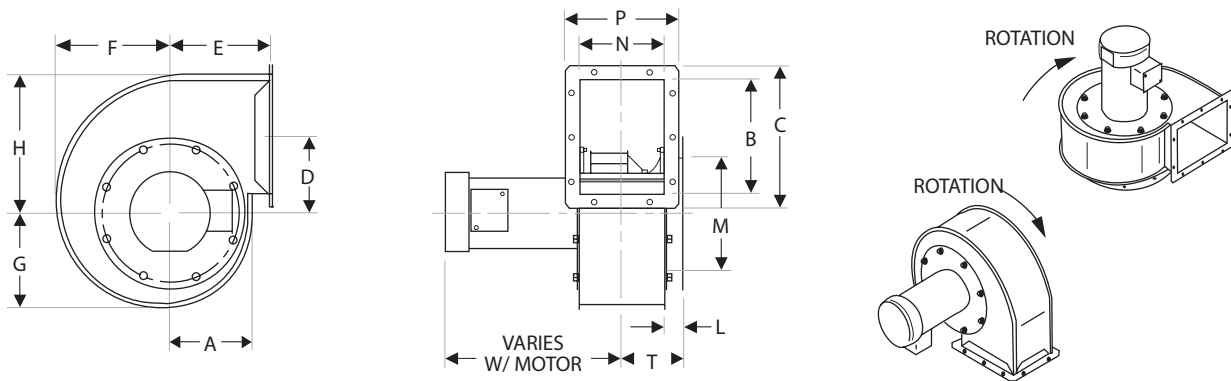


ACCESSORIES / OPTIONS

- Inlet filter
- Inlet flanges & guards
- Open or explosion proof motors
- Gravity shutter
- Shaft seal
- CCW rotation

AIRFLOW PERFORMANCE (CFM) AT 1750 RPM																		
MODEL	MTR HP	dBA @5'	0" SP		.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TFD250	¼	58	840	0.1	670	0.1	440	0.1	-	-	-	-	-	-	-	-	-	-
TFD280	¼	62	1130	0.2	1030	0.2	770	0.2	350	0.2	-	-	-	-	-	-	-	-
TFD315	½	67	1650	0.3	1480	0.3	1290	0.3	1010	0.3	570	0.3	-	-	-	-	-	-
TFD355	¾	72	2320	0.6	2110	0.6	1900	0.7	1630	0.6	1300	0.6	720	0.6	-	-	-	-
TFD400	1½	73	3070	1.2	2880	1.2	2650	1.2	2410	1.2	2140	1.2	1790	1.2	1240	1.2	-	-
TFD450	2	74	4490	1.8	4320	1.8	4080	1.8	3780	1.8	3460	1.8	3080	1.8	2660	1.8	2160	1.7

AIRFLOW PERFORMANCE (CFM) AT 3450 RPM																		
MODEL	MTR HP	dBA @5'	0" SP		1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TFD200	¼	68	870	0.2	700	0.2	500	0.2	275	0.2	-	-	-	-	-	-	-	-
TFD225	½	73	1060	0.4	950	0.4	780	0.4	580	0.4	-	-	-	-	-	-	-	-
TFD250	¾	75	1625	0.6	1520	0.7	1320	0.7	1110	0.7	870	0.6	440	0.5	-	-	-	-
TFD280	1½	77	2220	1.4	2170	1.4	2000	1.4	1760	1.4	1480	1.4	1150	1.3	560	1.1	-	-
TFD315	3	82	3330	2.5	3160	2.5	2960	2.5	2740	2.6	2500	2.6	2230	2.6	1910	2.5	1480	2.3



DIMENSIONS IN INCHES*													
MODEL	A	B	C	D	E	F	G	H	L	M	N	P	T
TFD200	5.4	6.9	9.5	4.9	6.8	7.3	6.1	8.8	1.6	7.0	5.2	7.7	4.3
TFD225	6.0	7.7	10.2	5.6	7.5	8.2	6.8	9.9	1.6	8.0	5.9	8.5	4.7
TFD250	6.6	8.7	11.0	6.1	8.2	9.0	7.5	10.9	1.7	9.0	6.9	9.3	5.2
TFD280	7.4	10.1	12.6	6.8	8.9	10.1	8.4	12.2	1.7	10.0	7.5	10.0	5.5
TFD315	8.2	11.7	14.2	7.5	9.8	11.3	9.3	13.7	2.2	12.0	8.3	10.8	6.4
TFD355	9.2	13.3	15.8	8.4	10.7	12.7	10.5	15.4	2.2	14.0	9.3	11.8	6.9
TFD400	10.4	15.1	18.3	9.2	11.8	14.1	11.8	17.1	2.2	16.0	10.4	13.8	7.5
TFD450	11.7	16.8	20.1	10.6	13.2	15.9	13.1	19.3	2.2	18.0	11.5	15.0	8.1

*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

CENTRIFUGAL FANS & BLOWERS

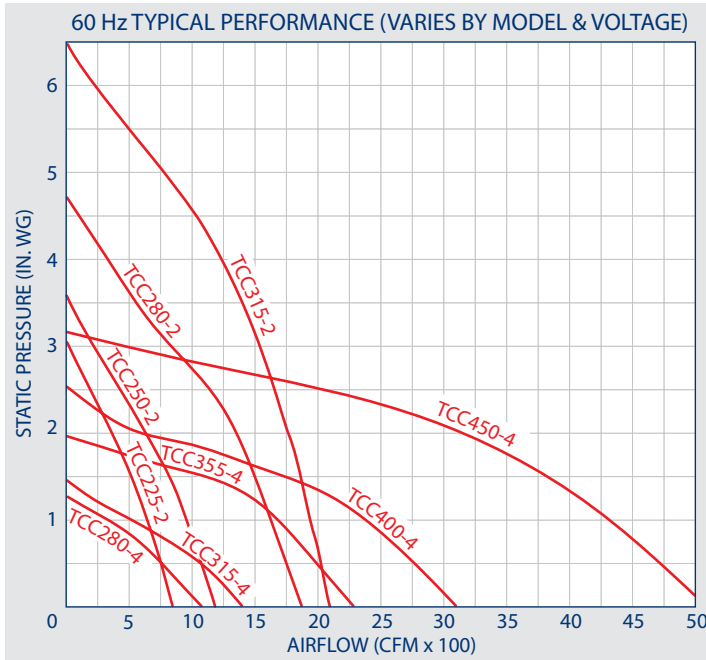
TCC MOTORIZED BLOWERS

FEATURES & BENEFITS

- Speed controllable external rotor motor
- High efficiency BC airfoil polyamide impeller
- Epoxy coated steel housing
- Flanged and drilled outlet, ABS inlet cone
- Available in single or three phase voltages
- Capacities: 500 cfm to 5,000 cfm
- cULus and CE approved motor

ACCESSORIES / OPTIONS

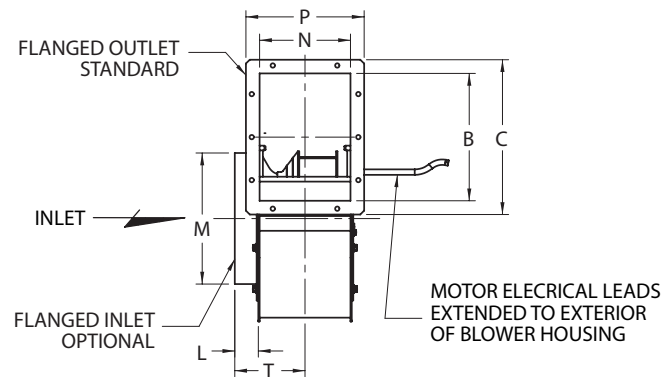
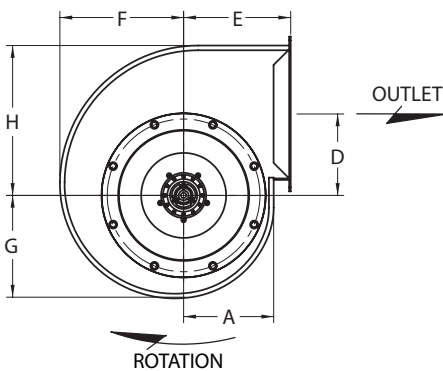
- Inlet flange
- Blower damper
- Aluminum shaft seal
- Weather hood



115V - 1 PHASE						60 Hz PERFORMANCE		
PART NUMBER	MOTOR	CFM	RPM	WATTS	AMPS	TEMP. RANGE		CAPACITOR
						MIN	MAX	
TCC225-2-11	ED080	830	2780	410	3.0	-22	131	20 x 400V
TCC250-2-11	ED106	1190	2810	610	4.9	-22	104	40 x 400V
TCC280-2-11	ED106	1760	3010	1200	10.2	-22	104	60 x 400V
TCC280-4-11	ED080	1070	1520	180	1.6	-22	158	12 x 400V
TCC315-4-11	ED080	1400	1450	290	2.6	-22	104	16 x 400V
TCC355-4-11	ED106	2280	1610	600	5.4	-22	122	40 x 400V
TCC400-4-11	ED106	3090	1350	800	7.0	-22	140	50 x 400V
TCC450-4-11	ED137	5060	1510	1700	15.2	-22	122	100 x 400V

230V - 1 PHASE						60 Hz PERFORMANCE		
PART NUMBER	MOTOR	CFM	RPM	WATTS	AMPS	TEMP. RANGE		CAPACITOR
						MIN	MAX	
TCC225-2-12	ED080	830	2780	410	1.5	-22	131	6 x 400V
TCC250-2-12	ED106	1190	2810	610	2.5	-22	104	10 x 400V
TCC280-2-12	ED106	1760	3010	1200	5.1	-22	104	16 x 400V
TCC280-4-12	ED080	1070	1520	180	0.8	-22	158	3 x 400V
TCC315-2-12	ED137	2120	3250	2420	9.7	-22	104	35 x 400V
TCC315-4-12	ED080	1400	1450	290	1.3	-22	104	4 x 400V
TCC355-4-12	ED106	2280	1610	600	2.7	-22	122	10 x 400V
TCC400-4-12	ED106	3090	1350	800	3.5	-22	140	12 x 400V
TCC450-4-12	ED137	5060	1510	1700	7.6	-22	122	25 x 400V

FOR 3 PHASE MODELS AND 50 HZ OPERATION - CONSULT FACTORY.



MODEL	DIMENSIONS IN INCHES*												
	A	B	C	D	E	F	G	H	L	M	N	P	T
TCC225	6.0	7.7	10.2	5.6	7.5	8.2	6.8	9.9	1.8	8	5.9	8.5	5.0
TCC250	6.6	8.7	11.0	6.1	8.2	9.0	7.5	10.9	1.9	9	6.9	9.3	5.5
TCC280	7.4	10.1	12.6	6.8	8.9	10.1	8.4	12.2	1.9	10	7.5	10.0	5.7
TCC315	8.3	11.7	14.2	7.5	9.8	11.3	9.4	13.7	2.4	12	8.3	10.8	6.7
TCC355	9.2	13.3	15.8	8.4	10.7	12.7	10.5	15.4	2.4	14	9.3	11.8	7.2
TCC400	10.4	15.1	18.3	9.3	11.8	14.1	11.8	17.2	2.4	16	10.4	13.8	7.9
TCC450	11.7	16.8	20.1	10.6	13.2	15.9	13.1	19.3	2.5	18	11.5	15.0	8.3

*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

CENTRIFUGAL FANS & BLOWERS

KRD RADIAL BLADE BLOWERS

FEATURES & BENEFITS

- Welded 16-gauge steel housing and motor base
- Dynamically balanced cast aluminum wheel
- Self cleaning wheel designed for efficient operation
- Baked polyester powder coat finish
- Single or three phase TEFC motors; also available without motor
- Explosion proof motors available - consult factory
- Standard discharge: CW bottom horizontal; rotatable to 8 positions
- Field adjustable rotation and discharge
- Capacities to 3,307 cfm



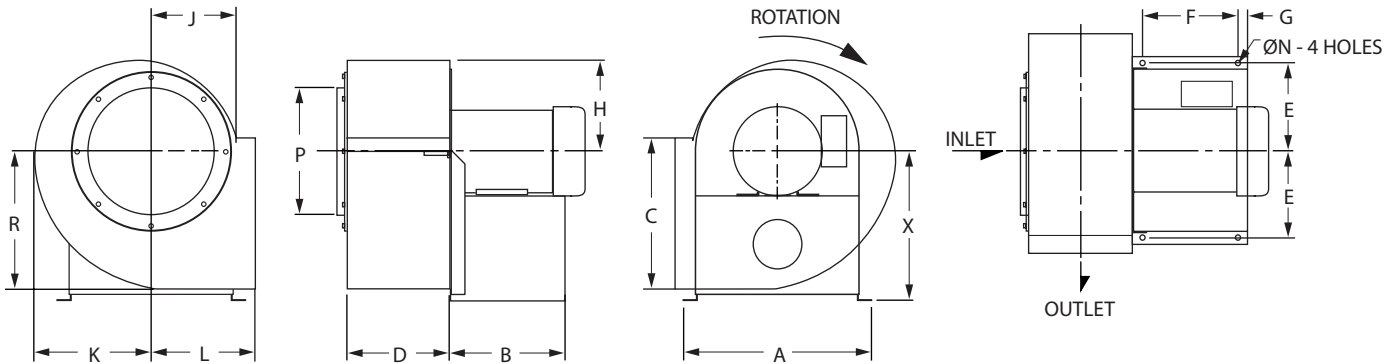
APPLICATIONS

- Small exhaust systems where air is laden with dust or grit
- Suitable for air containing dirt, lint or foreign material, as wheel is self cleaning

ACCESSORIES / OPTIONS

- Inlet & discharge screens
- Discharge dampers
- Custom coatings
- Inlet & discharge flanges
- Weather proof motor cover
- Factory mounted motors
- Spark resistant construction

MODEL	MTR HP	dBA @5'	AIRFLOW PERFORMANCE (CFM) AT 1750 RPM											
			0.125" SP	0.25" SP	0.375" SP	0.50" SP	0.625" SP	0.75" SP	1" SP	1.25" SP	1.50" SP	1.75" SP	2" SP	2.25" SP
KRD-08	¼	64	493	448	396	334	250	93	-	-	-	-	-	-
KRD-09	¼	69	848	788	724	655	572	462	-	-	-	-	-	-
KRD-11	¾	75	1524	1457	1386	1309	1225	1134	916	617	97	-	-	-
KRD-12	1 ½	79	2400	2331	2257	2179	2096	2007	1807	1564	1252	812	166	-
KRD-14	2	81	3307	3221	3134	3046	2956	2863	2664	2438	2164	1786	1181	666



MODEL	WHEEL SIZE	BORE SIZE	DIMENSIONS IN INCHES*														WT (lbs) LESS MTR	MTR FRAME	
			A	B	C	D	E	F	G	H	J	K	L	N	P	R			X
KRD-08	7 ¾ x 4	⅝	11.0	8.0	8.3	5.4	5.0	7.0	0.5	6.0	4.6	6.8	6.9	0.4	8.0	8.0	8.5	35	56
KRD-09	9 x 5	⅝	12.1	8.0	10.8	6.5	5.6	7.0	0.5	6.8	5.6	7.8	7.1	0.4	9.0	9.3	9.4	45	56
KRD-11	10 ⅞ x 5 ⅝	⅝	14.8	9.0	11.8	8.0	6.9	7.5	0.8	8.0	6.8	9.1	8.1	0.4	10.0	10.8	11.8	65	56
KRD-12	12 ½ x 7 ½	⅞	16.4	10.5	13.3	9.6	7.4	8.8	0.9	10.1	8.5	11.5	10.5	0.6	13.3	13.3	17.0	95	145T
KRD-14	13 ½ x 8 ⅝	⅞	17.6	10.5	14.6	10.8	8.0	8.8	0.9	11.1	9.4	12.6	11.4	0.6	14.5	14.6	17.0	120	145T

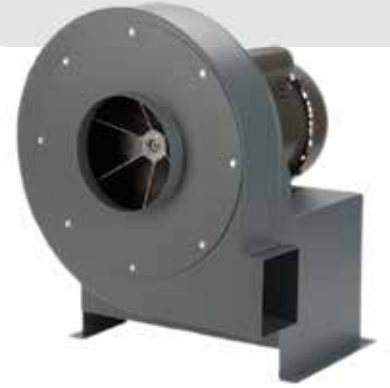
*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

PRD RADIAL BLADE PRESSURE BLOWERS

FEATURES & BENEFITS

- Welded 16-gauge steel housing and motor base
- Dynamically balanced cast aluminum wheel
- Self cleaning wheel designed for efficient operation
- Baked polyester powder coat finish
- Single or three phase TEFC motors; also available without motor
- Explosion proof motors available - consult factory
- Standard discharge: CW bottom horizontal; rotatable to 8 positions
- Field adjustable rotation and discharge
- Capacities to 2,100 cfm



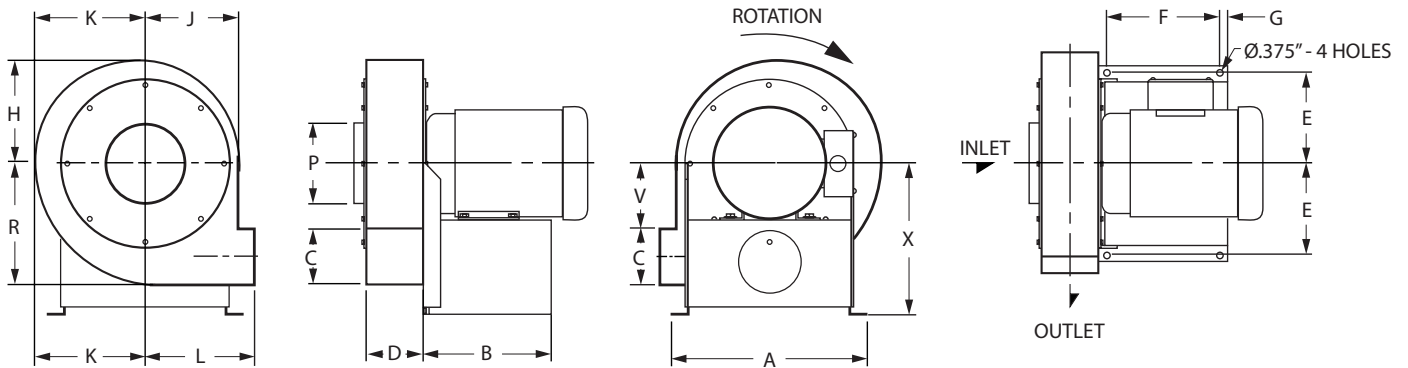
APPLICATIONS

- Small exhaust systems where air is laden with dust or grit
- Supplying high pressure air for conveying and cooling

ACCESSORIES / OPTIONS

- Inlet & discharge screens
- Inlet & discharge flanges
- Factory mounted motors
- Custom coatings
- Weather proof motor cover
- Spark resistant construction

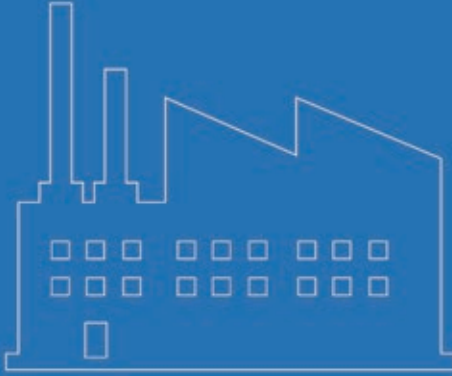
MODEL	MTR HP	dBA @5'	AIRFLOW PERFORMANCE (CFM) AT 3500 RPM																
			0.25" SP	0.5" SP	1" SP	1.5" SP	2" SP	2.5" SP	3" SP	3.5" SP	4" SP	5" SP	6" SP	7" SP	8" SP	9" SP	10" SP	11" SP	12" SP
PRD-08	1/8	74	283	274	256	237	216	192	165	129	70	-	-	-	-	-	-	-	-
PRD-09	3/8	77	475	465	445	423	399	374	346	316	282	195	-	-	-	-	-	-	-
PRD-11	1 1/2	84	786	772	746	719	692	664	635	606	575	508	431	329	-	-	-	-	-
PRD-12	3	90	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	-	-	-
PRD-14	7 1/2	92	2100	2079	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474



MODEL	WHEEL SIZE	BORE SIZE	DIMENSIONS IN INCHES*														WT (lbs) LESS MTR	MTR FRAME	
			A	B	C	D	E	F	G	H	J	K	L	P	R	V			X
PRD-08	7 3/4 x 2 1/4	5/8	11.0	8.0	3.0	3.0	5.0	7.0	0.5	5.4	4.9	5.9	5.9	4.0	6.6	3.6	8.5	35	56
PRD-09	9 x 2 3/4	5/8	12.1	8.0	3.5	3.5	5.6	7.0	0.5	6.4	5.8	6.9	6.8	5.0	7.5	4.0	9.4	40	56
PRD-11	10 5/8 x 3	5/8	14.8	9.0	4.0	3.5	6.9	7.5	0.8	7.3	6.5	8.0	7.6	6.0	8.6	4.6	11.8	55	56
PRD-12	12 1/2 x 3	7/8	17.0	8.0	5.0	4.0	8.0	6.5	0.8	8.3	7.5	9.0	9.6	7.0	10.0	5.0	10.6	85	145T
PRD-14	13 1/2 x 4 3/8	1 1/8	17.6	11.3	7.1	5.8	8.0	9.6	1.0	10.5	9.6	11.4	11.0	8.0	11.5	4.4	12.6	140	184T

*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS



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& Blowers***



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& Dampers***



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