

CENTRIFUGAL BLOWERS

These Blowers normally use forward curved impellers made of galvanized steel, which are press fitted on the Rotor of External Rotor Motor, making the unit compact. The Rotor with impeller is dynamically Balanced in two planes, for vibration free running during its entire life. The assembly of Motor and Impeller is essentially mounted in a technically designed Housing for optimum performance. The External Rotor Motor is cooled with the air stream flowing over it.

SINGLE INLET

Single inlet signifies that the Air is drawn from one side of the Blower only.

DOUBLE INLET

Double Inlet signifies that the Air is drawn in from two sides of the Blower and exited from one outlet.

MOTORS USED IN THESE FANS ARE  MARKED

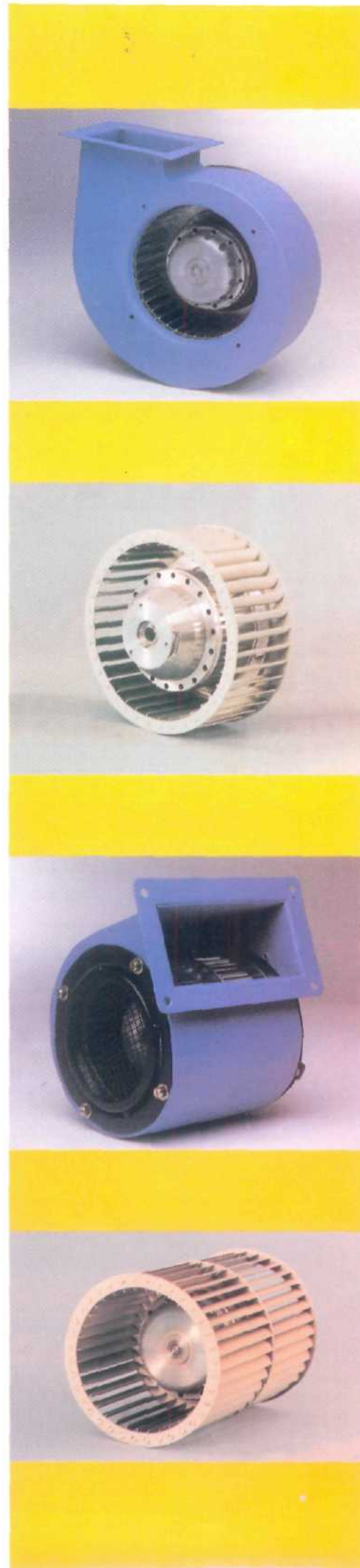


VBM ENTERPRISES

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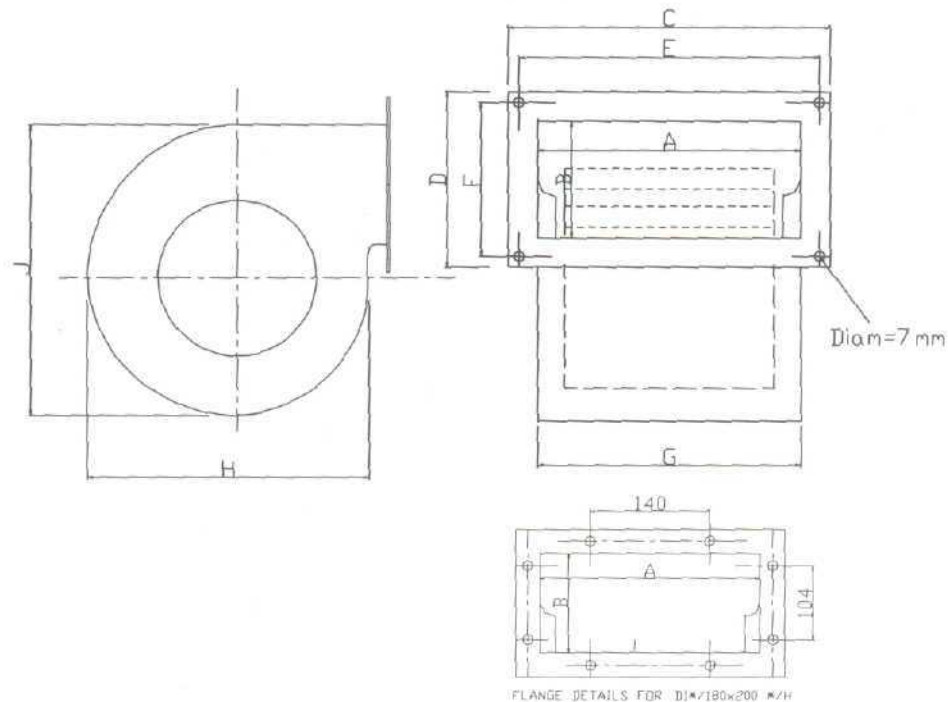
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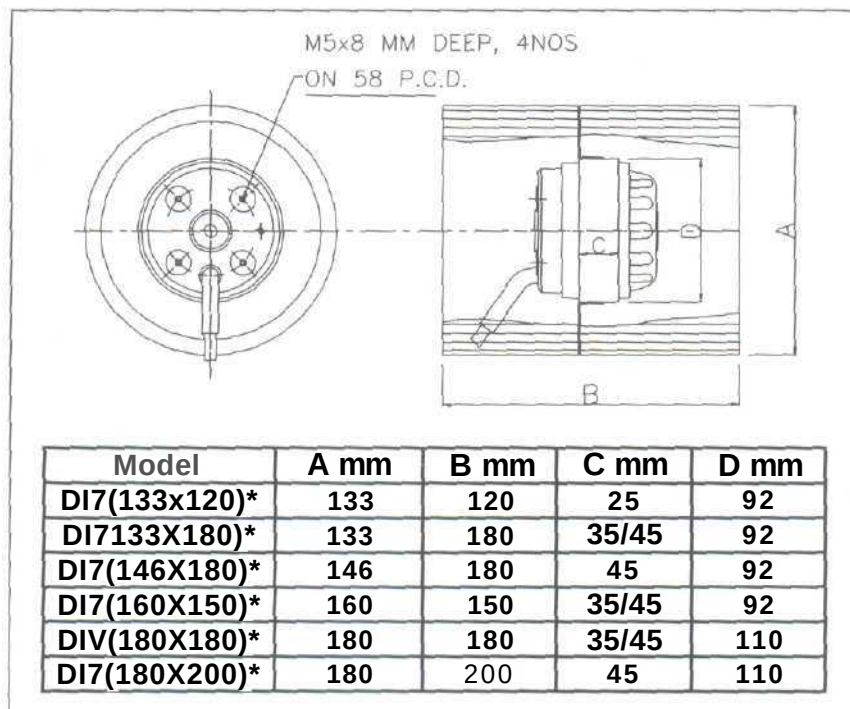
CENTRIFUGAL BLOWER DOUBLE INLET

DIMENSIONS



FLANGE DETAILS FOR DI#7/180x200 M/H

Impeller	A mm	Bmm	Cmm	Dmm	Emm	Fmm	Gmm	Hmm	Jmm
Dimensions									
133x120	146	67	189	110	168	88	146	175	170
133x180	215	68	254	110	238	92	215	178	180
146x180	232	102	270	140	252	122	232	180	198
160x150	200	105	240	145	220	125	202	207	208
180x180	230	100	275	145	255	130	230	255	265
180x200	260	135	310	180	As shown seperately		260	280	300



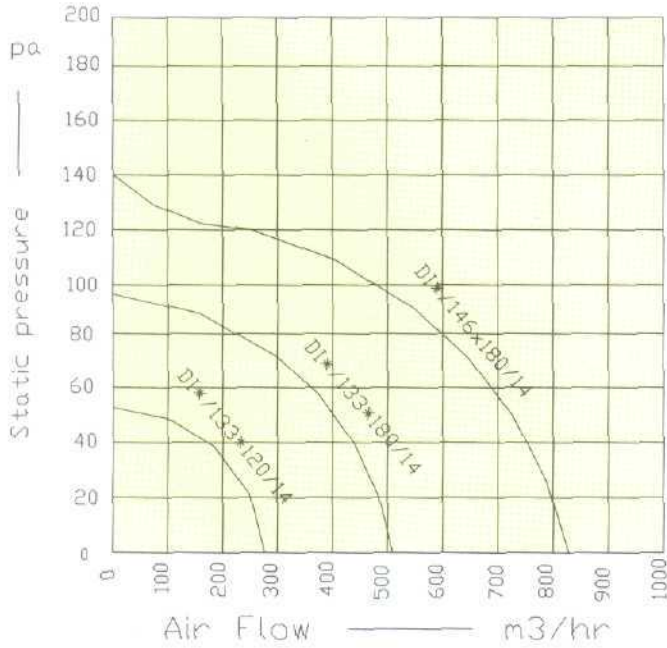
Model	A mm	B mm	C mm	D mm
DI7(133x120)*	133	120	25	92
DI7133X180)*	133	180	35/45	92
DI7(146X180)*	146	180	45	92
DI7(160X150)*	160	150	35/45	92
DIV(180X180)*	180	180	35/45	110
DI7(180X200)*	180	200	45	110

CENTRIFUGAL BLOWER DOUBLE INLET

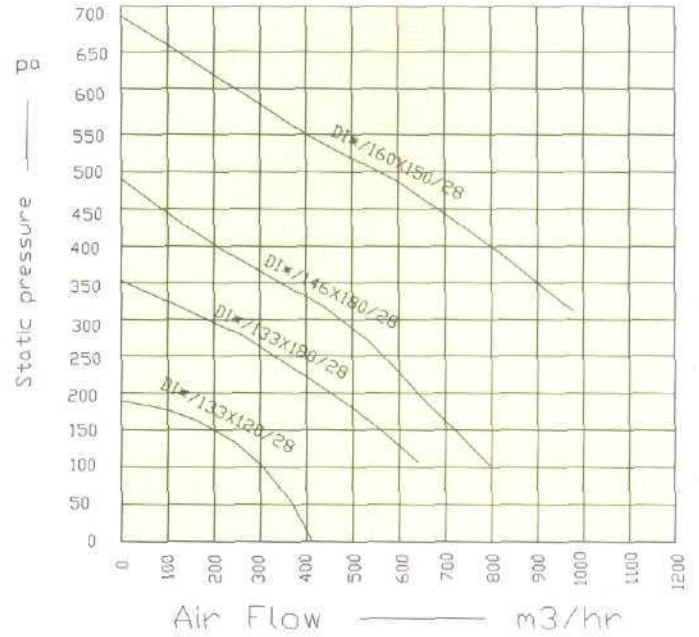


Specifications

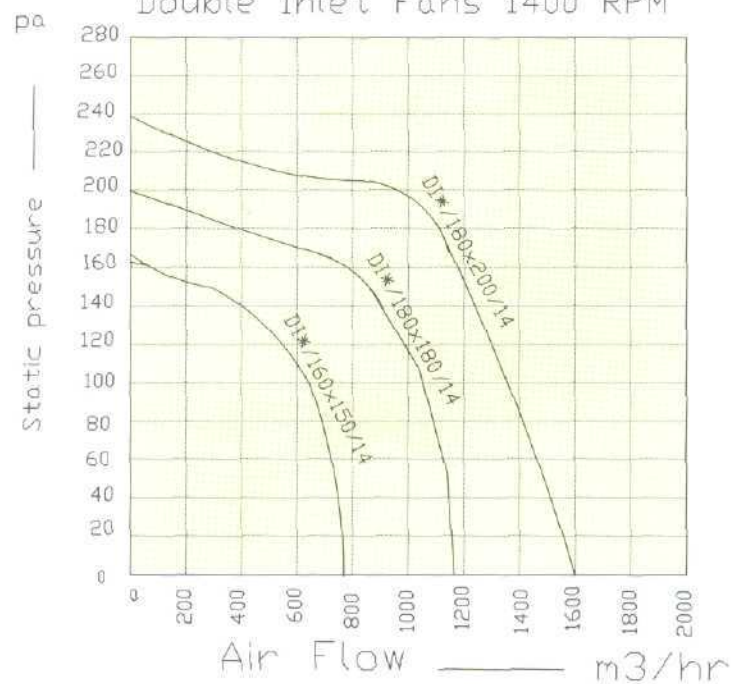
Air Flow Curves for
Double Inlet Fans 1400 RPM



Air Flow Curves for
Double Inlet Fans 2800 RPM



Air Flow Curves For
Double Inlet Fans 1400 RPM



Conversion: 100 pa $\approx$ 0.4" H₂O 100 m³/Hr $\approx$ 60 cfm

CENTRIFUGAL BLOWER DOUBLE INLET

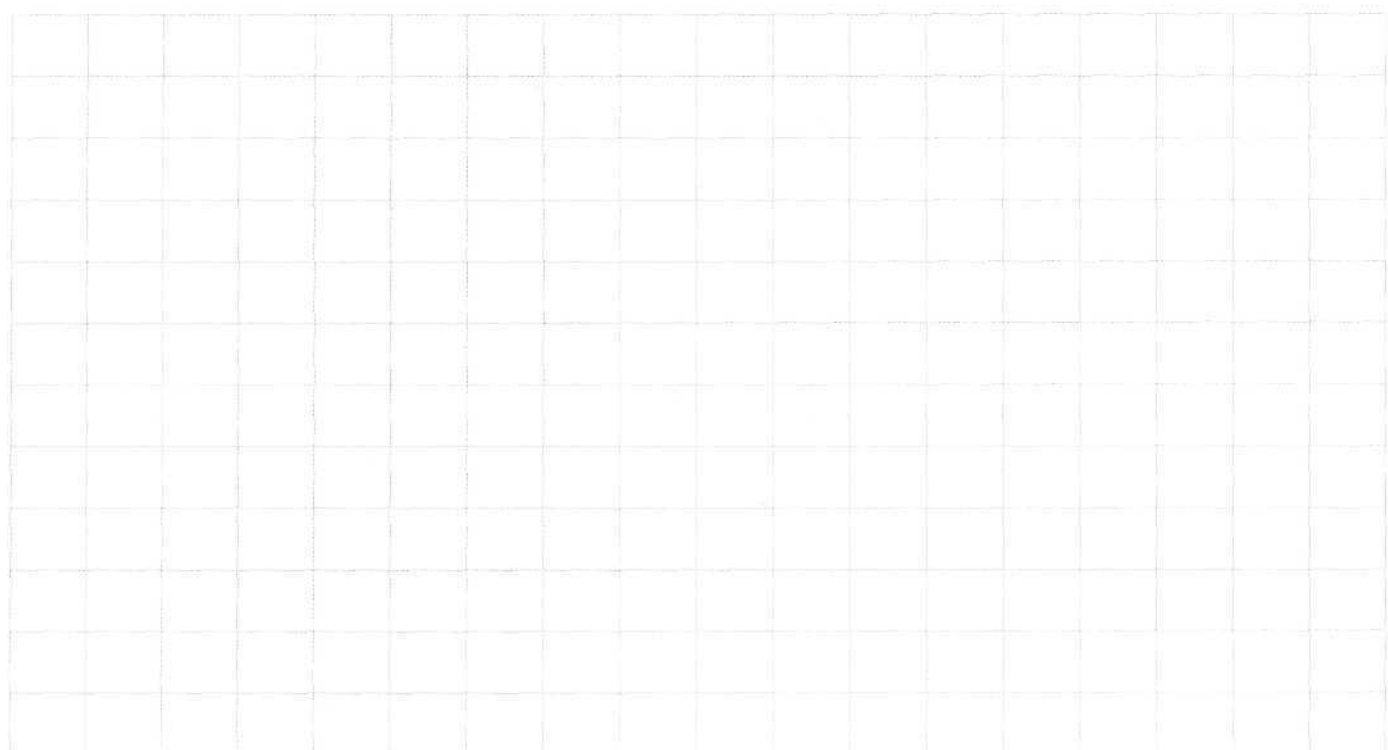


Specifications (50 Hz)

MODEL	ROTOR DIAM MM	IMPELLER DIMENSIONS MM	VOLTAGE V	AMPS A	WATTS W	SPEED RPM	AIR VOLUME M3/HR
1400 RPM							
DI 23/133X120/14/H	92	133X120	230	0.20	50	1300	275
DI 23/133X180/14/H	92	133X180	230	0.35	75	1300	500
DI 23/146X180/14/H	92	146X180	230	0.45	100	1300	660
DI 23/160X150/14/H	92	160X150	230	0.40	90	1300	700
DI23/180X180/14/H	110	180x180	230	1.10	210	1290	1200
DI 44/180X180/14/H	110	180X180	415	0.60	250	1290	1200
DI 23/180X200/14/H	110	180X200	230	1.10	236	1200	1600
DI 44/180/200/14/H	110	180X200	415	0.70	280	1200	1650

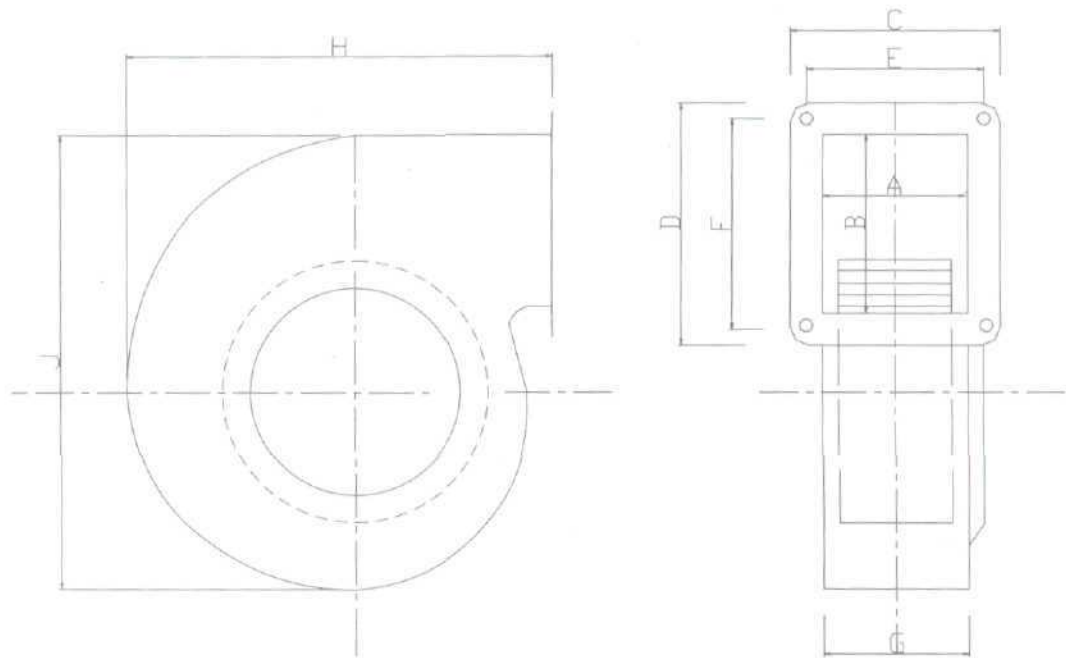
2800 RPM							
DI 23/133X120/28/H	92	133X120	230	0.40	90	1720	400
DI 44/133X120/28/H	92	133X120	415	0.30	110	2000	450
DI23/133X180/28/H	92	133X180	230	0.80	180	2100	700
DI44/133X180/28/H	92	133X180	415	0.35	175	2200	750
DI23/146X180/28/H	92	146X180	230	1.30	300	1700	826
DI44/146X180/28/H	92	146X180	415	0.43	265	1900	900
DI23/160X150/28/H	92	160X150	230	0.70	160	1300	750
DI44/160X150/28/H	92	160X150	415	0.35	175	1400	825

(60 Hz on request)



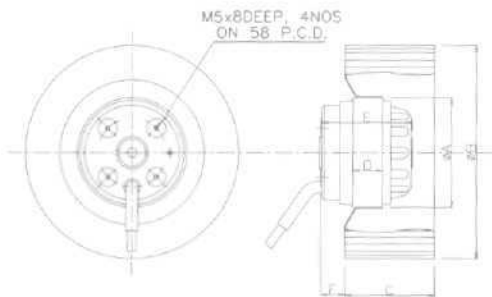
CENTRIFUGAL BLOWER SINGLE INLET

DIMENSIONS



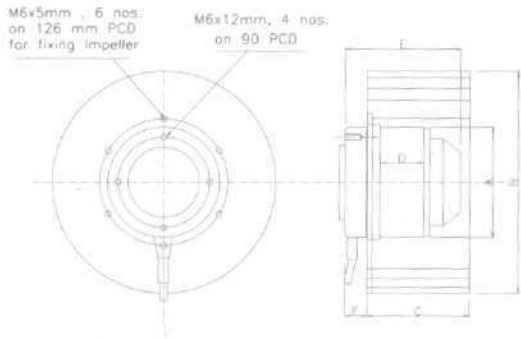
SINGLE INLET BLOWERS HOUSING DIMENSIONS

Impeller Diameter	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm
133	59	71	99	111	79	91	62	179	180
140	80	75	120	115	100	95	83	190	185
160	80	90	120	130	100	108	83	234	240
180	95	110	137	150	115	128	98	260	275
225	132	160	182	210	157	185	135	350	325



**SINGLE INLET FAN WITH 92 MM ROTORS
WITHOUT HOUSING**

A mm	B mm	C mm	D mm	E mm	F mm
92	133	48	15	68	19
92	140	60	25	78	20
92	160	62	35	88	31
92	180	75	35	88	17



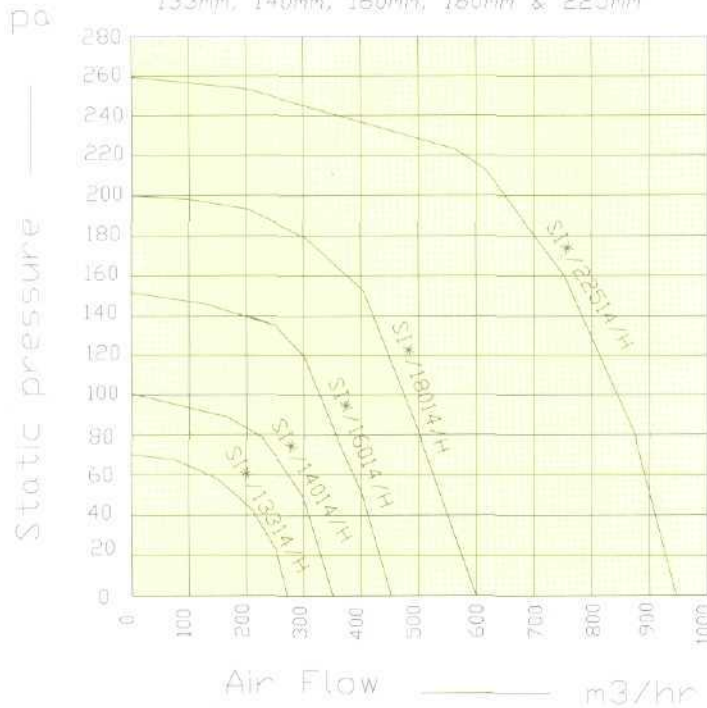
**SINGLE INLET FAN WITH 110 MM ROTORS
WITHOUT HOUSING**

A mm	B mm	C mm	D mm	E mm	F mm
110	180	75	35	110	24
110	225	90	45	120	24

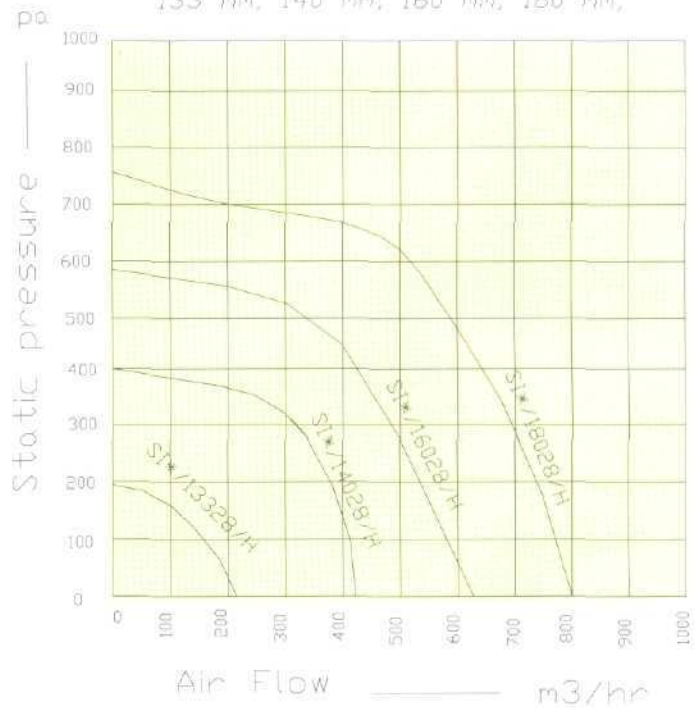
CENTRIFUGAL BLOWER SINGLE INLET

Specifications

Air Flow Curves For Single Inlet Centrifugal Blowers (1400 RPM)
133mm, 140mm, 160mm, 180mm & 225mm



Air Flow Curves for Single Inlet Centrifugal Blowers (2800 RPM)
133 mm, 140 mm, 160 mm, 180 mm,



Conversion: 100 pa $\approx$ 0.4" H₂O 100 m³/Hr $\approx$ 60 cfm

Specifications (50 Hz)

MODEL	ROTOR DIAM MM	IMPELLER DIMENSIONS MM	VOLTAGE V	AMPS A	WATTS W	SPEED RPM	AIR VOLUME M3/HR
1400 RPM							
SI 23/13314/H	92	133	230	0.20	50	1300	175
SI 23/14014/H	92	140	230	0.30	70	1400	350
SI 23/16014/H	92	160	230	0.38	90	1400	450
SI 23/18014/H	92	180	230	0.45	110	1300	600
SI 44/18014/H	92	180	415	0.30	160	1350	700
SI 23/22514/H	110	225	230	0.90	225	1200	900
SI 44/22514/H	110	225	415	0.60	260	1300	950
2800 RPM							
SI23/13328/H	92	133	230	0.20	45	2050	225
SI44/13328/H	92	133	415	0.20	80	2500	300
SI23/14028/H	92	140	230	0.32	75	2100	425
SI44/14028/H	92	140	415	0.30	110	2300	450
SI23/15028/S3	92	150	230	0.50	100	2500	575
SI23/16028/H	92	160	230	0.95	190	1900	600
SI44/16028/H	92	160	415	0.50	200	2200	650
SI23/18028/H	110	180	230	1.30	300	2300	750
SI44/18028/H	110	180	415	0.40	280	2400	800

(60 Hz on request)