

Chemical Industry

Metallurgical Industry

Electronics Industry

Catalog Chemical Fans

Pharmaceutical Industry

Mould Workshops

Laboratory Fume Hoods



GENERAL DESCRIPTION

Meansoon Plastic Centrifugal Fan is particularly designed for conveying corrosive vapour and smokes, also with high humidity level and with maximum temperature of 60 . Suitable for applications where the extraction of corrosive

fumes and gases:

Sulphuric acid , Sulphurous acid , Nitric acid , Nitrous acid, Hydrofluoric Acid, Boric Acid, Hydrocyanic Acid, Hydrochloric acid. Ammonia, Soda , Ethanol , Potassium hydroxide , Methanol, Propane , Formal, Benzene, Formaldehyde.

APPLICATION

The MPCF series of Plastic Centrifugal Fan provides good characteristics of low noise and high efficiency, which often are applied in laboratory, fume hood, fume cupboard, chemical storehouse, electroplating factory, medicine factory, mold factory, Electronic workshop and metallurgy for exhaust ventilation .

VOLUTE

The volute is made of polyethylene(PE) plastic. Reversible and rotatable to any the 8 standard discharge positions by 45 ' increments. All fan is with mounting bolts and nuts in 304 stainless steel.

Inlet/outlet are round with standard size: 160, 200 , 250, 300, which are good for plastic duct connection.

IMPELLER

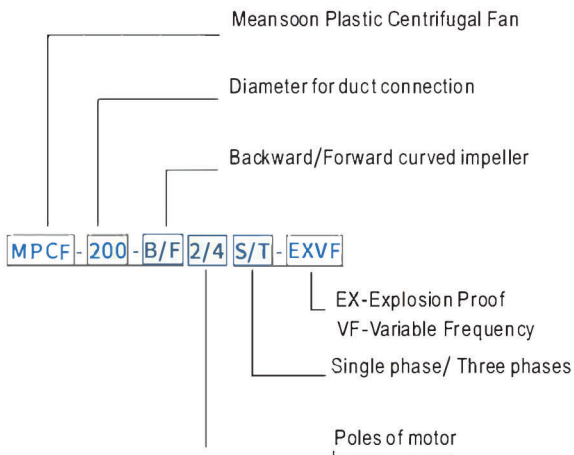
The forward/backward curved impeller is efficiently made of polypropylene PP plastic are dynamically balanced according to DIN ISO 1940.

MOTOR

Metal stand is constructed of epoxy coated in blue, made of steel sheet

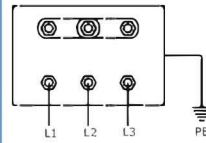
Meanings of model

Meanings of model



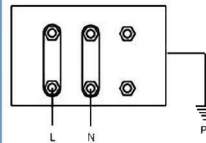
Wiring Diagram

Wiring Diagram



The Three-phase motor

The 3 wires of the power supply are connected to terminals L1, L2, and L3, and the motor casing is grounded. If the impeller is reversed, simply swap any two wires.



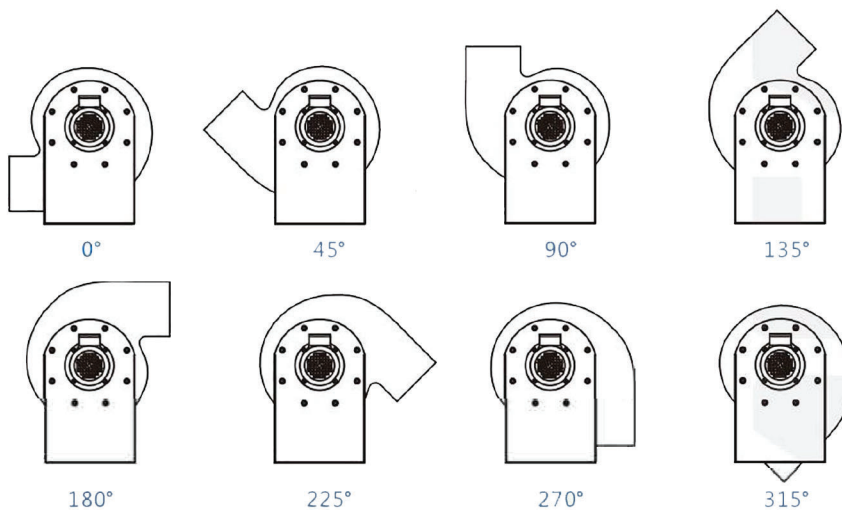
The single phase motor

The 2 wires of the power supply are connected to terminals L and N, and the motor casing is grounded.

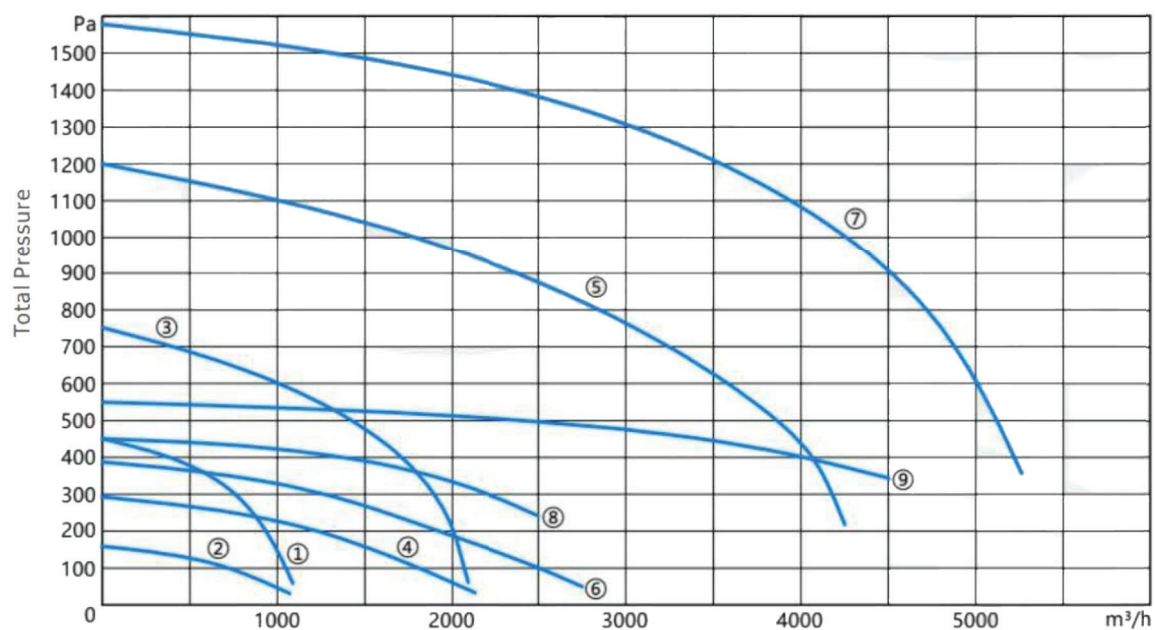


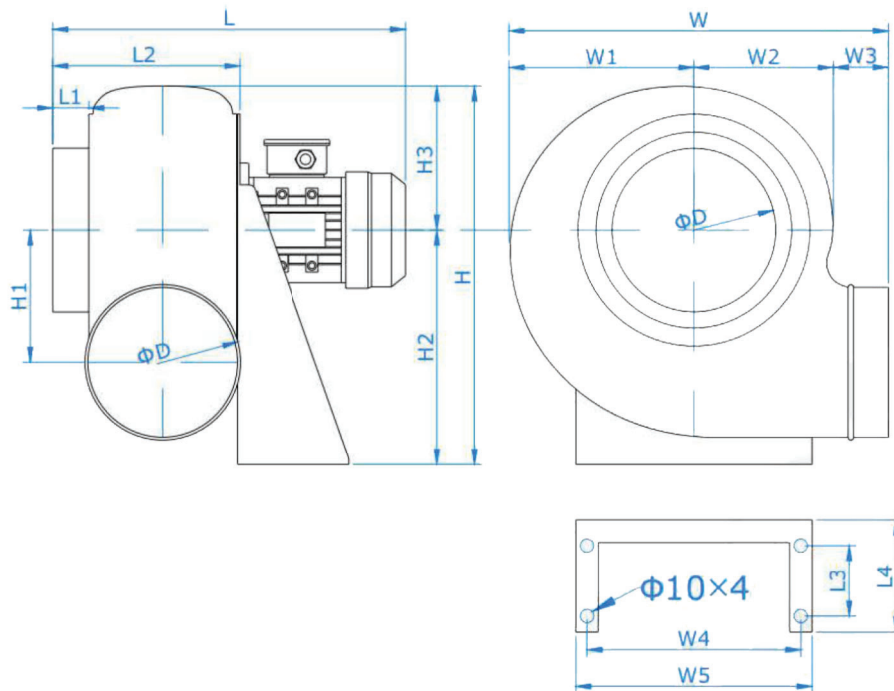
Angle of air outlet

Default 0°, adjusting the angle of outlet by loosening screws of fastening volute.



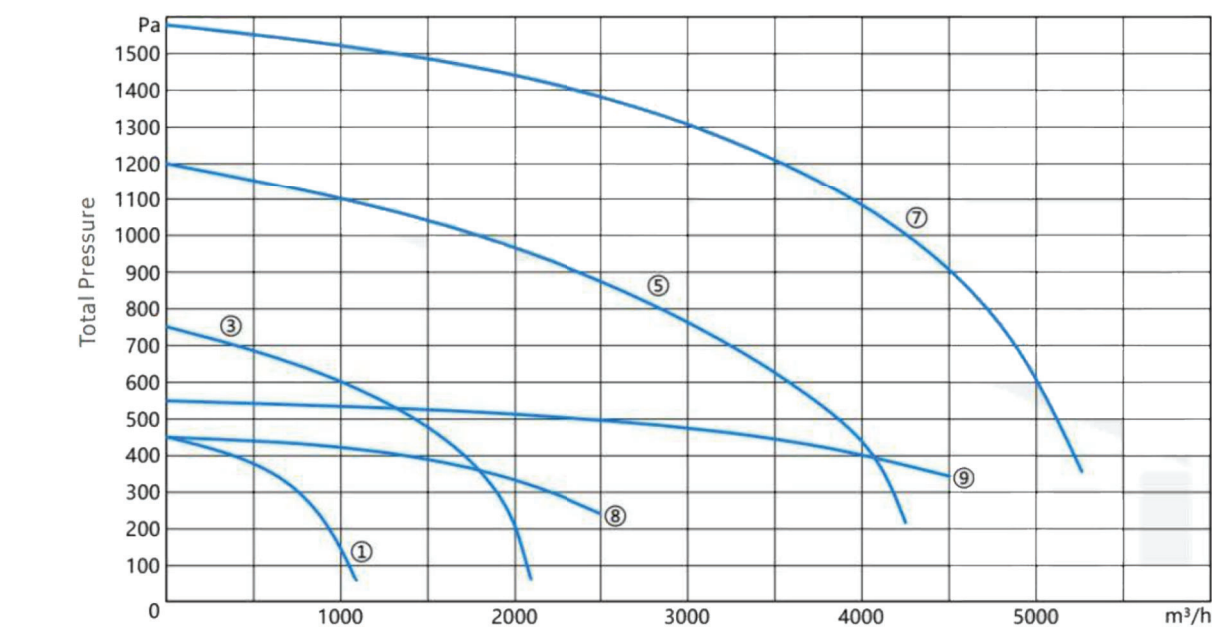
Model	Power supply	Speed	Power	Max. Airflow	Max. Total Pressure	Noise	Net.Weight	Certificate	Performance Curve
	V/Ph/Hz	RPM	KW	m3/h	Pa	dBA	KGS		
CCF -160-B2S	220/1/50	2800	0.18	1100	450	65	10.0	CE	①
CCF -160-B2T	380/3/50	2800	0.18	1100	450	65	10.0	CE	①
CCF -200-B4S	220/1/50	1400	0.12	1080	160	54	11.5	CE	②
CCF -200-B4T	380/3/50	1400	0.12	1080	160	54	11.5	CE	②
CCF -200-B2S	220/1/50	2800	0.37	2100	750	71	14.0	CE	③
CCF -200-B2T	380/3/50	2800	0.37	2100	750	71	14.0	CE	③
CCF -250-B4S	220/1/50	1400	0.25	2150	290	57	18.0	CE	④
CCF -250-B4T	380/3/50	1400	0.25	2150	290	57	18.0	CE	④
CCF -250-B2S	220/1/50	2800	1.1	4260	1200	75	23.5	CE	⑤
CCF -250-B2T	380/3/50	2800	1.1	4260	1200	75	23.5	CE	⑤
CCF -300-B4S	220/1/50	1400	0.37	2650	390	60	23.0	CE	⑥
CCF -300-B4T	380/3/50	1400	0.37	2650	390	60	23.0	CE	⑥
CCF -300-B2S	220/1/50	2800	2.2	5270	1580	79	31.5	CE	⑦
CCF -300-B2T	380/3/50	2800	2.2	5270	1580	79	31.5	CE	⑦
CCF -200-F4S	220/1/50	1400	0.75	2500	450	66	16.9	CE	⑧
CCF -200-F4T	380/3/50	1400	0.75	2500	450	66	16.9	CE	⑧
CCF -250-F4S	220/1/50	1400	1.5	4500	550	70	26.5	CE	⑨
CCF -250-F4T	380/3/50	1400	1.5	4500	550	70	26.5	CE	⑨

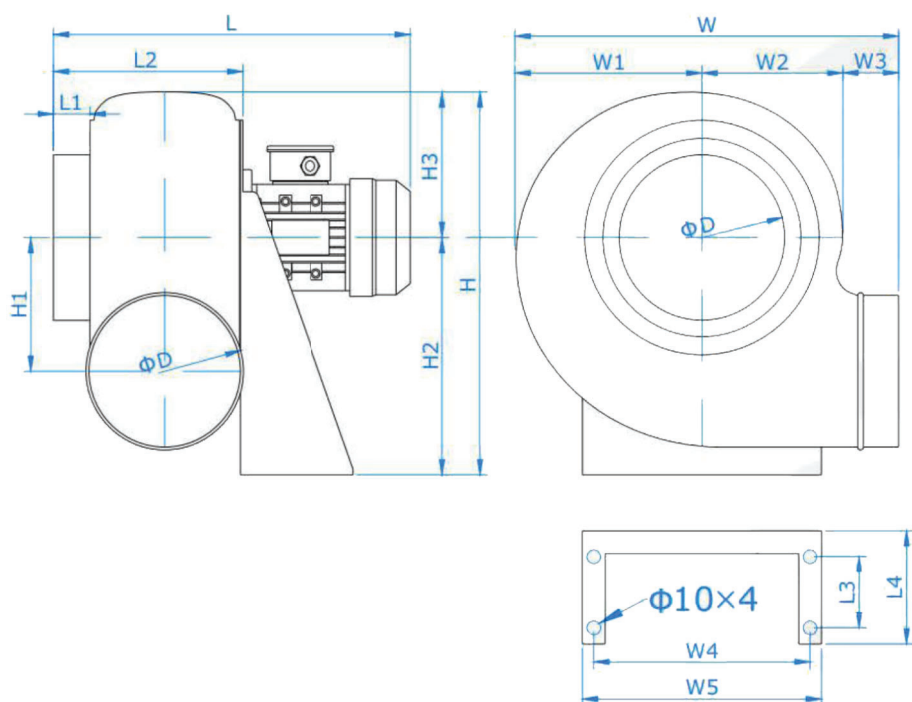




	inlet/outlet Diameter	Length						Width					Height			
Model	D	L	L1	L2	L3	L4	W	W1	W2	W3	W4	W5	H	H1	H2	H3
MPCF-160-B2S	160	415	35	210	100	140	385	185	140	160	205	236	403	145	253	150
MPCF-160-B2T	160	415	35	210	100	140	385	185	140	160	205	236	403	145	253	150
MPCF-200-B2S	196	460	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-200-B2T	196	460	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-200-B4S	196	460	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-200-B4T	196	460	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-B2S	240	490	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-250-B2T	240	490	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-250-B4S	240	460	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-250-B4T	240	460	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-300-B2S	296	530	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-300-B2T	296	530	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-300-B4S	296	445	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-300-B4T	296	445	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-200-F4S	196	490	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-200-F4T	196	490	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-F4S	240	545	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-250-F4T	240	545	40	235	150	228	570	290	210	70	320	356	650	210	408	242

Model	Power supply	Speed	Power	Max. Airflow	Max. Total Pressure	Noise	Net.Weight	Performance Curve
	V/Ph/Hz	RPM	KW	m3/h	Pa	dBA	KGS	
MPCF-160-B2T-EX	380/3/50	2800	0.18	1100	450	65	19.0	①
MPCF-200-B2T-EX	380/3/50	2800	0.37	2100	750	71	25.0	③
MPCF-250-B2T-EX	380/3/50	2800	1.1	4260	1200	75	39.0	⑤
MPCF-300-B2T-EX	380/3/50	2800	2.2	5270	1580	79	53.0	⑦
MPCF-200-F4T-EX	380/3/50	1400	0.75	2500	450	66	31.0	⑧
MPCF-250-F4T-EX	380/3/50	1400	1.5	4500	550	70	47.0	⑨
MPCF-160-B2T-VF	380/3/50	2800	0.18	1100	450	65	12.0	①
MPCF-200-B2T-VF	380/3/50	2800	0.37	2100	750	71	17.0	③
MPCF-250-B2T-VF	380/3/50	2800	1.1	4260	1200	75	26.0	⑤
MPCF-300-B2T-VF	380/3/50	2800	2.2	5270	1580	79	36.0	⑦
MPCF-200-F4T-VF	380/3/50	1400	0.75	2500	450	66	19.5	⑧
MPCF-250-F4T-VF	380/3/50	1400	1.5	4500	550	70	30.0	⑨
MPCF-160-B2T-EXVF	380/3/50	2800	0.18	1100	450	65	21.0	①
MPCF-200-B2T-EXVF	380/3/50	2800	0.37	2100	750	71	27.5	③
MPCF-250-B2T-EXVF	380/3/50	2800	1.1	4260	1200	75	42.5	⑤
MPCF-300-B2T-EXVF	380/3/50	2800	2.2	5270	1580	79	57.5	⑦
MPCF-200-F4T-EXVF	380/3/50	1400	0.75	2500	450	66	33.5	⑧
MPCF-250-F4T-EXVF	380/3/50	1400	1.5	4500	550	70	50.5	⑨





	Inlet/outlet Diameter	Length						Width					Height			
Model	D	L	L1	L2	L3	L4	W	W1	W2	W3	W4	W5	H	H1	H2	H3
MPCF-160-B2T-EX	160	428	35	210	100	140	385	185	140	160	205	236	403	145	253	150
MPCF-200-B2T-EX	196	477	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-B2T-EX	240	515	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-300-B2T-EX	296	565	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-200-F4T-EX	196	515	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-F4T-EX	240	580	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-160-B2T-VF	160	465	35	210	100	140	385	185	140	160	205	236	403	145	253	150
MPCF-200-B2T-VF	196	510	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-B2T-VF	240	565	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-300-B2T-VF	296	580	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-200-F4T-VF	196	665	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-F4T-VF	240	595	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-160-B2T-EXVF	160	530	35	210	100	140	385	185	140	160	205	236	403	145	253	150
MPCF-200-B2T-EXVF	196	565	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-B2T-EXVF	240	598	40	235	150	228	570	290	210	70	320	356	650	210	408	242
MPCF-300-B2T-EXVF	296	650	40	220	150	228	650	315	245	90	350	386	730	260	448	282
MPCF-200-F4T-EXVF	196	598	40	235	100	143	450	220	170	60	255	286	506	173	316	190
MPCF-250-F4T-EXVF	240	665	40	235	150	228	570	290	210	70	320	356	650	210	408	242

GENERAL DESCRIPTION

Meansoon PP Centrifugal Fan is particularly designed for conveying corrosive vapours and smokes, also with high humidity level and with maximum temperature of 60 degree celsius.

Suitable for applications where the extraction of corrosive fumes and gases:

Sulphuric acid, Sulphurous acid, Nitric acid, Nitrous acid, Hydrofluoric Acid, Boric Acid, Hydrocyanic Acid, Hydrochloric acid. Ammonia, Soda, Ethanol, Potassium hydroxide, Methanol, Propane, Formal, Benzene, Formaldehyde.

APPLICATION

The MACF series PP Centrifugal Fan provides good characteristics of low noise and high efficiency, which often are applied in laboratory, fume hood, fume cupboard, chemical storehouse, electroplating factory, medicine factory, mold factory, Electronic workshop and metallurgy for exhaust ventilation.

VOLUTE

The volute is made of polypropylene (PP) plastic. Inlet/outlet are round with standard size: 200, 250, 300, which are good for plastic duct connection.

IMPELLER

The forward curved impeller is integrally formed from fiberglass reinforced polypropylene (PP) and strengthened by ultrasonic welding of circular ring.

MOTOR

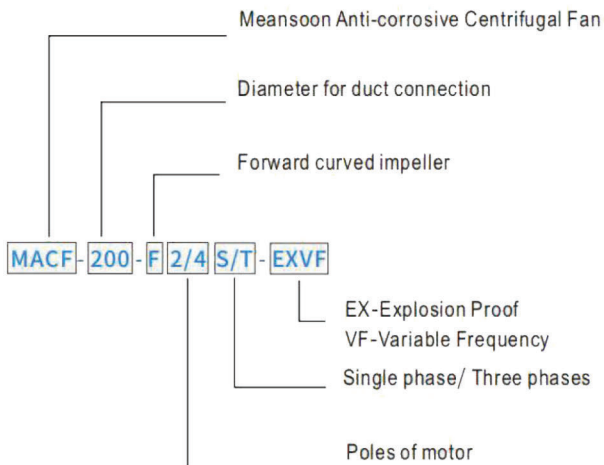
Direct driving, asynchronous, single or three phase, IP54/IP55, class B/F, B34 shape in 2-pole and 4-pole execution. Single speed: three phase 380 V-50/60Hz, single phase 220V-50/60Hz. Explosion proof versions in accordance with CNEX Directive for three-phase models is available. Motor is outside the airstream. we can provide Variable-frequency motors, driving by VFD.

MOTOR STAND

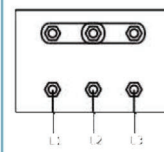
Metal stand is constructed of epoxy coated in blue, made of steel sheet.



Meanings of model

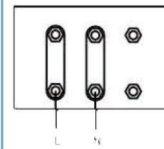


Wiring Diagram



The Three-phase motor

The 3 wires of the power supply are connected to terminals L1, L2, and L3, and the motor casing is grounded. If the impeller is reversed, simply swap any two wires.



The single phase motor

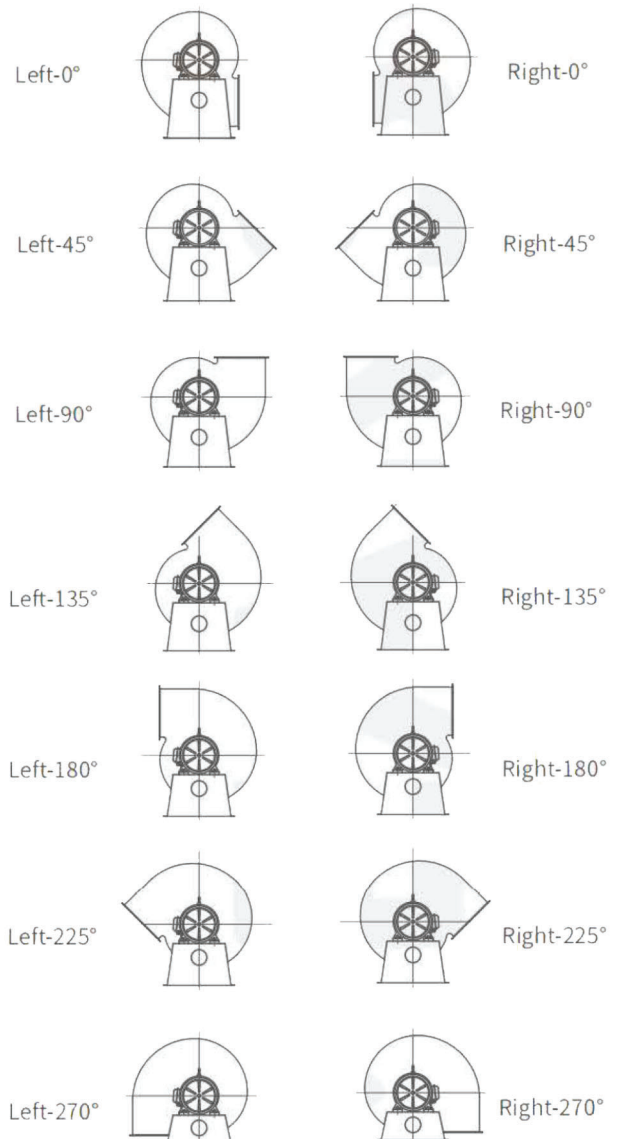
The 2 wires of the power supply are connected to terminals L and N, and the motor casing is grounded.

Direction and Angle of air outlet

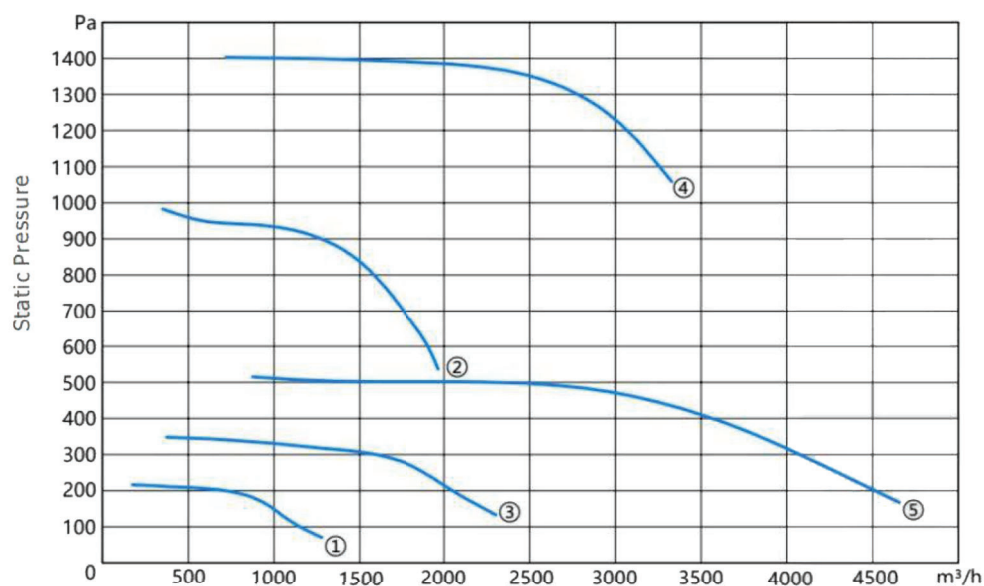
Right-rotated:
Air direction is Clockwise, watching from motor side

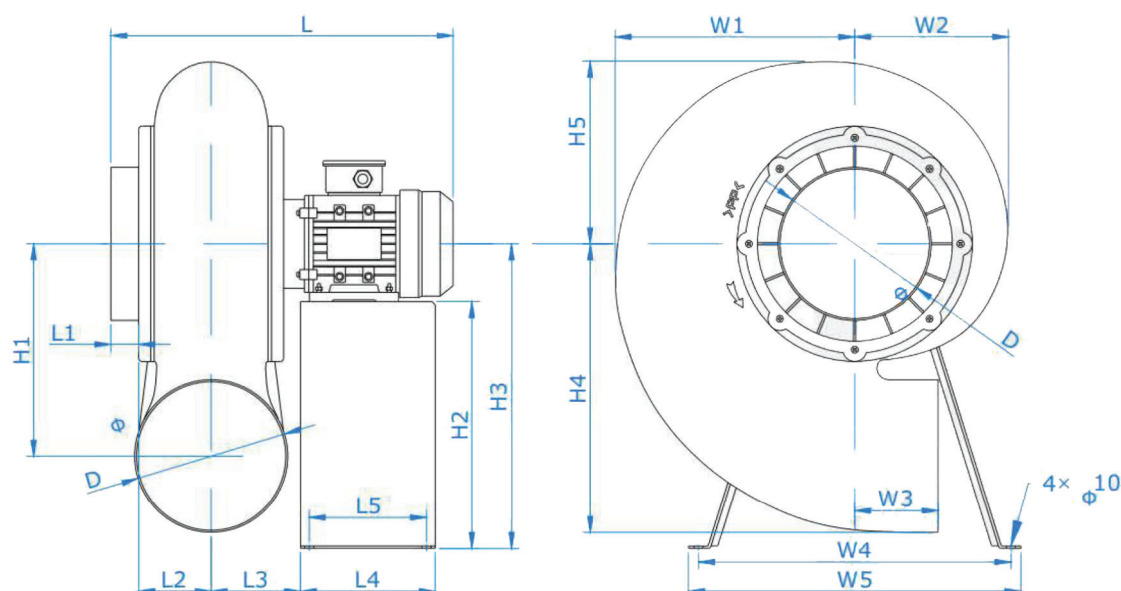
Left-rotated:
Air direction is Anti-clockwise, watching from motor side

Default 0°, adjusting the angle of outlet by loosening screws of fastening volute



Model	Power Supply	Speed	Power	Max. Airflow	Max. Static Pressure	Noise	Net.Weight	Performance Curve
	V/Ph/Hz	RPM	KW	m3/h	Pa	dBA	KGS	
MACF-160-F4S	220/1/50	1400	0.25	1284	219	65	10.5	①
MACF-160-F4T	380/3/50	1400	0.25	1284	219	65	10.5	①
MACF-160-F2S	220/1/50	2800	1.1	1951	988	82	16.0	②
MACF-160-F2T	380/3/50	2800	1.1	1951	988	82	16.0	②
MACF-200-F4S	220/1/50	1400	0.37	2337	342	69	15.0	③
MACF-200-F4T	380/3/50	1400	0.37	2337	342	69	15.0	③
MACF-200-F2T	380/3/50	2800	2.2	3346	1409	86	23.5	④
MACF-250-F4S	220/1/50	1400	1.5	4663	517	76	26.0	⑤
MACF-250-F4T	380/3/50	1400	1.5	4663	517	76	26.0	⑤
MACF-160-F4T-EX	380/3/50	1400	0.25	1284	219	65		①
MACF-160-F2T-EX	380/3/50	2800	1.1	1951	988	82		②
MACF-200-F4T-EX	380/3/50	1400	0.37	2337	342	69		③
MACF-200-F2T-EX	380/3/50	2800	2.2	3346	1409	86		④
MACF-250-F4T-EX	380/3/50	1400	1.5	4663	517	76		⑤
MACF-160-F4T-VF	380/3/50	1400	0.25	1284	219	65		①
MACF-160-F2T-VF	380/3/50	2800	1.1	1951	988	82		②
MACF-200-F4T-VF	380/3/50	1400	0.37	2337	342	69		③
MACF-200-F2T-VF	380/3/50	2800	2.2	3346	1409	86		④
MACF-250-F4T-VF	380/3/50	1400	1.5	4663	517	76		⑤
MACF-160-F4T-EXVF	380/3/50	1400	0.25	1284	219	65		①
MACF-160-F2T-EXVF	380/3/50	2800	1.1	1951	988	82		②
MACF-200-F4T-EXVF	380/3/50	1400	0.37	2337	342	69		③
MACF-200-F2T-EXVF	380/3/50	2800	2.2	3346	1409	86		④
MACF-250-F4T-EXVF	380/3/50	1400	1.5	4663	517	76		⑤





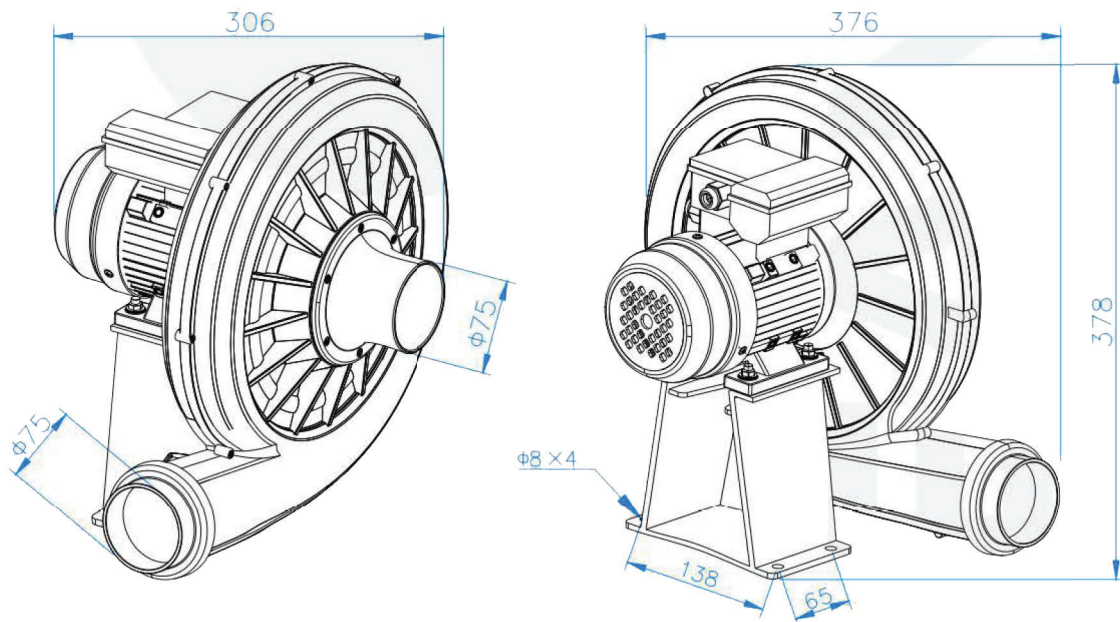
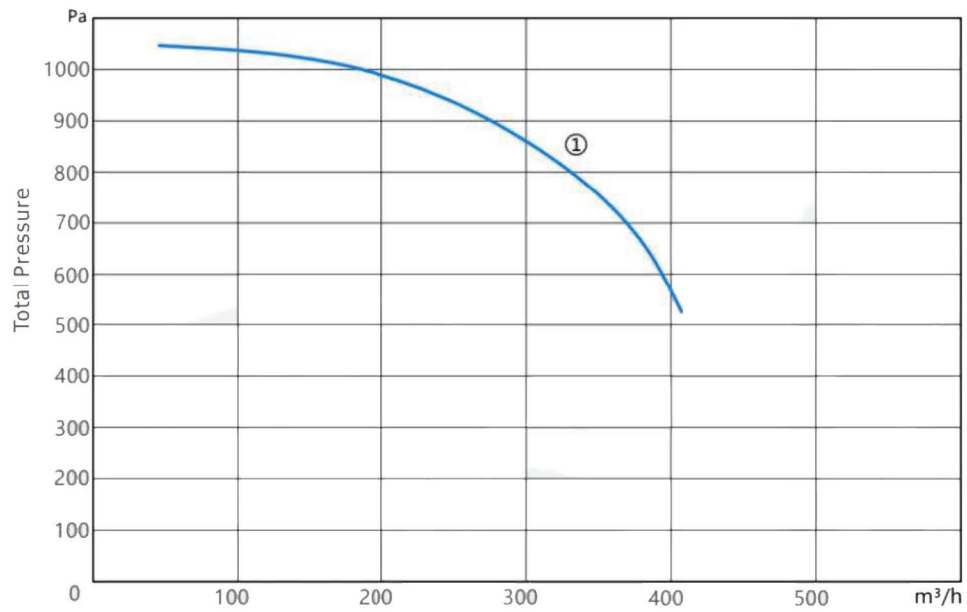
	inlet/outlet Diameter	Length						Width					Height				
Model	D	L	L1	L2	L3	L4	L5	W1	W2	W3	W4	W5	H1	H2	H3	H4	H5
MACF-160-F4S	160	420	30	84	94	140	110	238	150	340	315	100	220	256	327	300	205
MACF-160-F4T	160	420	30	84	94	140	110	238	150	340	315	100	220	256	327	300	205
MACF-160-F2S	160	453	30	84	109	140	110	238	150	340	315	100	220	256	336	300	205
MACF-160-F2T	160	453	30	84	109	140	110	238	150	340	315	100	220	256	336	300	205
MACF-200-F4S	200	445	35	95	105	170	140	310	195	420	395	105	265	311	382	365	248
MACF-200-F4T	200	445	35	95	105	170	140	310	195	420	395	105	265	311	382	365	248
MACF-200-F2T	200	520	35	95	126	170	140	310	195	420	395	105	265	311	401	365	248
MACF-250-F4S	250	550	35	110	140	170	140	373	229	460	435	115	325	386	476	450	300
MACF-250-F4T	250	550	35	110	140	170	140	373	229	460	435	115	325	386	476	450	300
MACF-160-F4T-EX	160	437	30	84	94	140	110	238	150	340	315	100	220	256	327	300	205
MACF-160-F2T-EX	160	478	30	84	109	140	110	238	150	340	315	100	220	256	336	300	205
MACF-200-F4T-EX	200	462	35	95	105	170	140	310	195	420	395	105	265	311	382	365	248
MACF-200-F2T-EX	200	555	35	95	126	170	140	310	195	420	395	105	265	311	401	365	248
MACF-250-F4T-EX	250	585	35	110	140	170	140	373	229	460	435	115	325	386	476	450	300
MACF-160-F4T-VF	160	470	30	84	94	140	110	238	150	340	315	100	220	256	327	300	205
MACF-160-F2T-VF	160	528	30	84	109	140	110	238	150	340	315	100	220	256	336	300	205
MACF-200-F4T-VF	200	495	35	95	105	170	140	310	195	420	395	105	265	311	382	365	248
MACF-200-F2T-VF	200	570	35	95	126	170	140	310	195	420	395	105	265	311	401	365	248
MACF-250-F4T-VF	250	600	35	110	140	170	140	373	229	460	435	115	325	386	476	450	300
MACF-160-F4T-EXVF	160	525	30	84	94	140	110	238	150	340	315	100	220	256	327	300	205
MACF-160-F2T-EXVF	160	561	30	84	109	140	110	238	150	340	315	100	220	256	336	300	205
MACF-200-F4T-EXVF	200	550	35	95	105	170	140	310	195	420	395	105	265	311	382	365	248
MACF-200-F2T-EXVF	200	640	35	95	126	170	140	310	195	420	395	105	265	311	401	365	248
MACF-250-F4T-EXVF	250	670	35	110	140	170	140	373	229	460	435	115	325	386	476	450	300

GENERAL DESCRIPTION

The CREF series PP plastic chemical resistant exhaust fan is designed and manufactured for use in deodorization systems, and is also suitable for odor extraction and removal of corrosive and high humidity flue gas, mist, or chemical acid and alkali odor gases. Dust and hard particles contained $\sim 150\text{mg}/\text{m}^3$, gas temperature $\sim 60^\circ\text{C}$. The impeller, volute, and bracket are all made of polypropylene (PP) plastic, which has good chemical corrosion resistance.



Model	Power supply	Speed	Power	Max. Airflow	Max. Total Pressure	Noise	Net.Weight	Certificate	Performance Curve
	V/Ph/Hz	RPM	KW	m ³ /h	Pa	dBA	KGS		
CREF-2S75	220/1/50	2800	0.18	405	1050	65	5.4	CE	①
CREF-2T75	380/3/50	2800	0.18	405	1050	65	5.4	CE	①



GENERAL DESCRIPTION

Meansoon Plastic Centrifugal Fan is particularly designed for conveying corrosive vapours and smokes, also with high humidity level and with maximum temperature of 60 degree celsius.

Suitable for applications where the extraction of corrosive fumes and gases:

Sulphuric acid, Sulphurous acid, Nitric acid, Nitrous acid, Hydrofluoric Acid, Boric Acid, Hydrocyanic Acid, Hydrochloric acid. Ammonia, Soda, Ethanol, Potassium hydroxide, Methanol, Propane, Formal, Benzene, Formaldehyde.

APPLICATION

The MSCF series of Plastic Centrifugal Fan provides good characteristics of low noise and high efficiency, which often are applied in laboratory, fume hood, fume cupboard, chemical storehouse, electroplating factory, medicine factory, mold factory, Electronic workshop and metallurgy for exhaust ventilation.

VOLUTE

The volute is made of polyethylene(PE) plastic. Inlet/outlet are flange for seal connection.

IMPELLER

The impeller is integrally formed from reinforced polypropylene (PP) without welding.

MOTOR

Direct driving, asynchronous, single or three phase, IP54/P 155, class B/F, 83 shape in 2-pole and 4-pole execution. Single speed: three phase 380 V-50/60Hz, single phase 220V-50/60Hz.

Explosion proof versions in accordance with CNEX Directive for three-phase models is available. Motor is outside the airstream. we can provide Variable-frequency motors, driving by VFD.

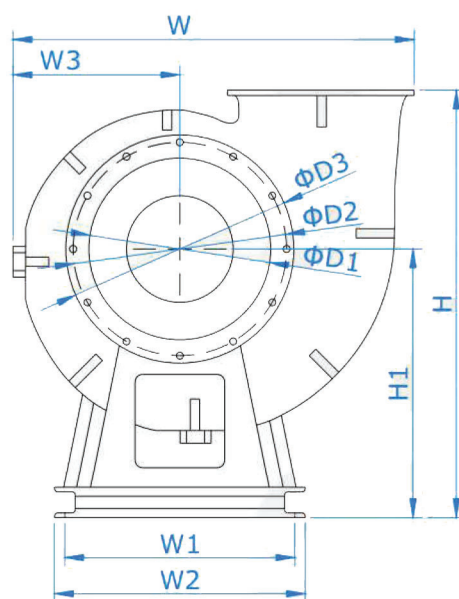
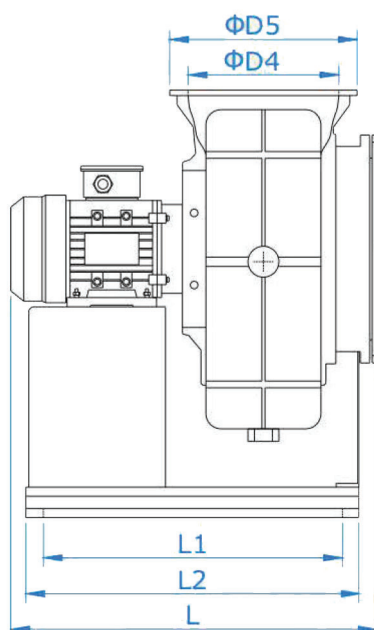
MOTOR STAND

Metal stand is made of steel sheet, coated



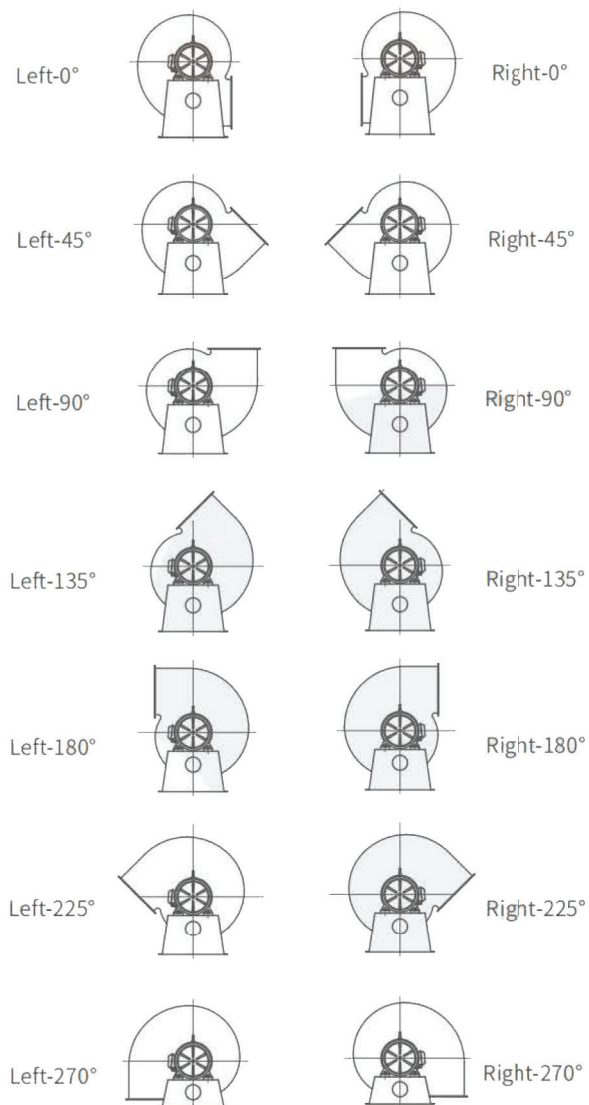
Model	Airflow	Total Pressure	Speed	Motor	
	m³/h	Pa	RPM	Model	Power
MSCF-280A	1204	1121	2900	90S-2	1.5KW
	1131	994			
	1310	966			
	1480	933			
	1659	887			
	1828	835			
	2007	770			
	2177	702			
MSCF-280A	2356	606	2900	802-2	1.1 KW
	1147	1039			
	2155	620			
MSCF-280A	573	259	1450	802-4	0.75 KW
	1077	181			
MSCF-320A	1848	1438	2900	90L-2	2.2KW
	1680	1300			
	1955	1263			
	2209	1220			
	2476	1160			
	2729	1091			
	2996	1006			
MSCF-320A	3250	918	2900	90S-2	1.5 KW
	3517	792			
	1712	1357			
MSCF-320A	3217	761	1450	90S-4	1.1KW
	830	339			
	844	324			
	944	315			
	1104	304			
	1238	289			
	1365	272			
MSCF-360A	1498	251	2900	100L-2	3 KW
	1625	229			
	1758	198			
	2631	1855			
	2664	1578			
	3045	1531			
	3405	1481			
MSCF-360A	3786	1419	2900	90L-2	2.2 KW
	4146	1343			
	4527	1256			
	4887	1144			
	5268	989			
	2437	1718			
	4580	1029			
MSCF-360A	1219	429	1450	90S-4	1.1KW
	1332	393			
	1522	381			
	1703	369			
	1893	353			
	2073	335			
	2263	313			
MSCF-400A	2444	285	2900	132S1-2	5.5 KW
	2634	247			
	3511	2227			
	4012	2014			
	4506	1969			
	4973	1915			
	5468	1830			
MSCF-400A	5962	1723	2900	100L-2	3 KW
	6457	1606			
	6924	1459			
MSCF-400A	7419	1320	1450	90S-4	1.1KW
	3344	2121			
	6283	1310			
	1672	530			
	2006	501			
	2253	490			
	2487	476			
MSCF-400A	2734	455	2900	132S1-2	5.5 KW
	2981	429			
	3228	400			
	3462	363			
	3700	329			

Model	Airflow	Total Pressure	Speed	Motor	
	m³/h	Pa	RPM	Model	Power
MSCF-500A	6270	3700	2900	160M2-2	15 KW
	7728	3187			
	8855	3145			
	9928	3074			
	11054	2962			
	12218	2792			
	13255	2567			
	14328	2335			
MSCF-500A	15455	2019	2900	160M1-2	11 KW
	5990	3532			
	12703	2011			
MSCF-500A	5705	3364	2900	132S2-2	7.5 KW
	12098	1972			
	3864	790			
	4427	780			
	4964	762			
	5527	735			
	6064	693			
MSCF-500A	6628	637	1450	Y100L1-4	2.2KW
	7164	580			
	7728	502			
MSCF-600A	5422	1331	1450	132S-4	5.5 KW
	6677	1139			
	7650	1124			
	8578	1099			
	9551	1059			
	10478	999			
	11452	919			
MSCF-600A	12379	836	1450	112M-4	4 KW
	13353	724			
	4929	1211			
MSCF-600A	10453	815	960	100L-6	1.5 KW
	3263	530			
	4420	498			
	5065	492			
	5679	481			
	6324	463			
	6938	437			
MSCF-700A	7582	402	1450	160M-4	11 KW
	8196	366			
	8841	317			
	8629	1813			
	10602	1550			
	12149	1533			
	13622	1499			
MSCF-700A	15168	1443	1450	132M-4	7.5 KW
	16640	1362			
	18187	1252			
	19659	1140			
	21204	984			
	7827	1648			
	9436	1550			
MSCF-700A	16598	1076	960	132S-6	3 KW
	19657	919			
	7020	679			
	8042	670			
	9018	655			
	10041	632			
	11016	595			
MSCF-800A	12041	547	1450	160L-4	15 KW
	13015	499			
	14040	431			
	11684	2153			
	16572	1972			
	17993	1979			
	19535	1870			
MSCF-800A	21014	1788	960	160M-6	7.5 KW
	22440	1704			
	23543	1608			
	24607	1513			
	25515	1412			
	7735	943			
	10478	887			
MSCF-800A	12006	875	2900	90S-2	1.5KW
	13461	856			
	16989	825			
	16444	778			
	17972	715			
MSCF-800A	19428	651	1450	90S-4	1.1KW



Model	inlet diameter			outlet diameter		Length			Width				Height	
	D1	D2	D3	D4	D5	L	L1	L2	W	W1	W2	W3	H	H1
MSCF-280A	266	321	345	188	275	521	430	490	620	332	360	259	666	420
MSCF-320A	310	366	390	238	323	605	515	557	694	396	425	291	738	480
MSCF-360A	346	404	434	303	388	641	550	610	774	398	430	326	850	500
MSCF-400A	390	452	480	388	475	727	640	700	892	428	460	360	892	492
MSCF-500A	488	554	584	488	573	760	672	732	1107	478	510	447	1085	585
MSCF-600A	590	664	700	588	673	871	550	838	1316	558	590	537	1302	697
MSCF-700A	690	780	816	684	790	1006	702	972	1519	644	680	616	1495	793
MSCF-800A	731	824	860	736	830	1180	930	1066	1684	810	830	669	1681	890

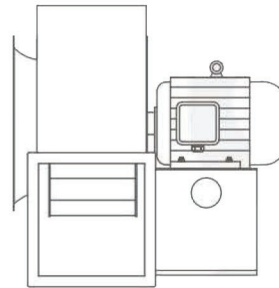
Direction and Angle of air outlet



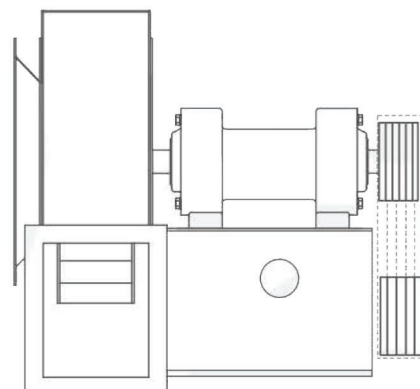
Right-rotated:
Air direction is Clockwise, watching from motor side

Left-rotated:
Air direction is Anti-clockwise, watching from motor side

Transmission types of fans



A type driving:
motor drives impeller by directly connection



C type driving:
The wind turbine shaft and motor shaft are parallel,
both connected to pulleys and driven by belts

1. Before Installation

- 1- First check whether the impeller, spiral case and any other parts are damaged or deformed by transportation.**
- 2- Check whether all fasteners are loose or fall off, otherwise they should be fastened before they can be used.**
- 3- Check whether there is any debris in the spiral case and turn the impeller to check whether there is no abnormal friction and noise.**
- 4- Check whether the voltage and frequency indicated by the product nameplate are consistent with the power supply connected, and whether the accessories are complete.**
- 5- Check whether the foundation of the fixed fan is strong and stable enough.**

2. Installation

- 1- When connecting the fan with the base joint and the inlet and outlet of air ducts, it should be adjusted to match naturally and not be forced to connect.**
- 2- The duct connecting the inlet and outlet of the fan should be supported separately. It is not allowed to add the weight of the duct to the spiral case of the fan, so as to avoid the deformation of the spiral case affecting the normal operation.**
- 3- Note that the fan is suitable for horizontal or vertical fixing, do not tilt.**
- 4- Test the rotation of the wind wheel after installation, check whether there is too tight or rubbing phenomenon, whether there are any debris hindering rotation, and find out the inappropriate points should be adjusted in time.**
- 5- The connection of the fan must be correct and reliable, the casing of the motor should be properly grounded, and the grounding must be reliable. The power supply for the fan must be complete and meet the requirements. Electrical wiring must have professional knowledge of electrical wiring**
- 6- Before the fan runs, it is necessary to check whether the direction of rotation of the wind wheel is consistent with the marking of the rotating arrow. If the wind wheel rotates with single-phase motor is reversed, please contact the manufacturer. If the wind wheel rotates with three-phase motors are reversed, please change the direction of rotation by reconnecting two wires at will.**
- 7- In case of abnormal sound and vibration during the test run, stop the machine immediately, cut off the power supply for troubleshooting, and use it only after it is normal.**

3. Attentions in use

- 1- Before use, it is necessary to check in detail whether the voltage and frequency indicated by the nameplate of the product meets the local power supply requirements and operate strictly according to the rated voltage of the motor.**
- 2- In order to be safe, the grounding of the fan housing or motor housing must be reliable.**
- 3- Before the fan runs, it is necessary to check whether there is collision friction between the impeller and the spiral case, whether the motor is grounded, and whether the insulation is good.**
- 4- Before the fan runs, it is necessary to check whether the rotating direction of the wheel is correct before it can run. There are abnormal sounds and vibration in the trial run. The fan should stop immediately and cut off the power supply for elimination, and then it can be used after normal operation.**
- 5- The temperature of the conveying medium of the fan should not exceed 50 Celsius degree.**
- 6- Fans should not be used where water is easy to spray and direct rain.**
- 7- The foundation or support of the fastening fan must be firm.**
- 8- The exposed part of the fan drive device should have protective shield (self-provided by the user). If the fan inlet does not connect with the duct, it also needs to add protective grille or other safety devices (self-provided by the user).**
- 9- After all the fans are installed, check whether there are any tools and debris left inside the fans.**

4. Maintenances

- 1- Only when the fan equipment is completely normal, it can operate.**
- 2- When the fan is repaired and maintained, the power supply must be cut off before proceeding.**
- 3- Fans should regularly check the internal fouling and other impurities to prevent rust.**
- 4- When the fan starts after maintenance, attention should be paid to whether the parts of the fan are normal.**

The following conditions are not included in the warranty scope :

- 1- The product is damaged due to the lack of phase operation of the motor.**
- 2- The gas contains impurities or hard particles which are too large and the temperature is too high, which leads to product damage.**
- 3- The product is damaged due to the design error of the whole exhausting system**

Important Notes





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