Corrosion Resistant

FRP Fans

HIGH VOLUME • HIGH EFFICIENCY • QUALITY • RELIABILITY

- Patent rights for this model
- Static pressures to 325 mmAq
- Capacities to 2200 CMM
- Temperatures to 80℃

Certified Ratings

the Corrosion Resistant FRP Fans shown herein are licensed to bear the AMCA seal. Ratings shown are based on tests made in accordance with AMCA Publication 211 and comply with the requirements of the AMCA certified ratings program for air performance.

FRP FANS

Top Choice for professional users

Upon entering the era of knowledge-based economy,the cutting-edge and core competitiveness of an enterprise is built on creative,innovative and value-added products. Aiming at the needs of customers, FAN Technology Co.LTD,with years of experiences in professional blower design,spares no efforts in providing the most innovative and cost-effective products continuously to the market.

Product Features

◆ Super-powerful Performance which Leads the Industry

Our Fan blowers,with the cost of a small blower,but the excellent performance of large blowers Our Fan blowers are also cost-effective and super-powerful.

◆ Internationally Compatible Design Standards

The quality of Our Fan blowers is fully ensured ,with the design being in line with the strict requirements of ASTMD4167 American Society for Testing Materials(ASTM)

◆ Foremost Professional Design Technology

Our Fan Blowers are designed using the integration of computer hydro-dynamics, CAD,CAM and computer aided software.The cutting-edge technology provides the Our Fan blowers with more effective,reliable,secure and endurable qualities.

◆ Blower Product Sizes for Different Space Needs

Our Fan Blowers are designed with the forefront conception in terms of sizes and outlooks. The blowers will take the least possible space and therefore provide more flexibility for the floor planning

◆ Most Human-Oriented Maintenance

The back-pulling design,ingenious structure of the blower body make Our Fan blower easy to install and dismantle,simple to replace and maintain.

◆ Professional & Complete Customer Support

Our Fan 's client support team can provide the clients with the top-quality support.At the request of the clients,professionals will be dispatched to the installation site to provide accurate balancing of the blower system and give detaild instructions to the clients.

Performance data

Quick selection Methods

Example No. 1 :

For a desired duty of 120 CMM(A),at sp 100 mmAq(B) the fan will need to run at 2166 RPM(C) and use 4.63HP(D)

Example No.2 :

When a desired duty falls between published ratings exact speed and horsepower can be interpdated. 145 CMM at sp 125 mmAq can be determined by using below Table Data.

Q CMM	Sp125 mmAq	
	RPM	BHP
140	2475	6.93
145	2522	7.35
150	2569	7.76

A B C D

TF-181		Wheel diameter:480mm wheel circumference:1508mm								Outlet area: 0.158 m² Inlet area : 0.159 m²					
Volume cmm	Velocity m/s	Static Pressure mmAq													
		50		75		100		125		150		175		200		225		250	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
80	8.5	1488	1.5	1671	2.09	1835	2.73	1986	3.41	2125	4.13	2256	4.88	2379	5.67	2496	6.49	2608	7.35
100	10.6	1675	2.15	1840	2.84	1992	3.57	2132	4.33	2263	5.13	2386	5.96	2504	6.83	2616	7.72	2723	8.65
120	12.7	1877	3.02	2027	3.81	2166	4.63	2296	5.49	2419	6.38	2535	7.29	2646	8.24	2753	9.22		
130	13.8	1982	3.56	2125	4.4	2259	5.27	2384	6.17	2503	7.11	2616	8.07	2724	9.06				
140	14.8	2090	4.16	2227	5.05	2354	5.98	2475	6.93	2590	7.91	2700	8.92						
150	15.9	2200	4.84	2330	5.79	2453	6.76	2569	7.76	2680	8.79	2787	9.85						
160	16.9	2312	5.6	2436	6.6	2554	7.63	2666	8.68	2774	9.76								
170	18.0	2425	6.45	2544	7.51	2657	8.58	2766	9.69	2869	10.82								
180	19.0	2540	7.39	2654	8.5	2763	9.63	2867	10.79	2967	11.97								
200	21.2	2772	9.58	2877	10.79	2978	12.03	3075	13.29										
210	22.2	2889	10.83	2991	12.1	3088	13.39	3182	14.71										

Test Method per AMCA Standard 210-85, Figure 15, Installation Type A. Results at Standard Air.
Power rating BHP does not include transmission losses.
Performance ratings do not include the effects of appurtenances.

Performance data

TF-241

Wheel diameter:650mm
wheel circumference:2042mm

Outlet area:0.282㎡
Inlet area: 0.283㎡

Volume	Velocity	Static Pressure mmAq																			
		75		100		125		150		175		200		225		250		275			
cmm	m/s	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
120	7.1	1129	3.22	1265	4.4	1388	5.68	1501	7.04	1606	8.48	1705	9.99	1798	11.57	1887	13.23	1972	14.94		
140	8.2	1178	3.75	1307	5.01	1426	6.36	1536	7.8	1639	9.31	1736	10.9	1827	12.56	1915	14.28	1998	16.06		
160	9.4	1233	4.36	1356	5.71	1469	7.14	1575	8.66	1675	10.25	1770	11.92	1860	13.65	1946	15.44				
180	10.6	1295	5.08	1410	6.51	1518	8.03	1621	9.63	1717	11.3	1809	13.04	1897	14.85						
200	11.8	1362	5.91	1470	7.43	1573	9.03	1671	10.71	1764	12.47	1853	14.3								
220	13.0	1434	6.87	1535	8.47	1633	10.16	1726	11.93	1815	13.77	1901	15.68								
240	14.1	1509	7.96	1604	9.66	1697	11.43	1785	13.29	1871	15.21										
260	15.3	1588	9.2	1677	10.99	1765	12.86	1849	14.8	1931	16.81										
280	16.5	1669	10.6	1754	12.48	1836	14.44	1916	16.47	1994	18.57										
300	17.7	1753	12.17	1832	14.15	1910	16.2	1987	18.32												
320	18.8	1838	13.92	1913	15.99	1988	18.14	2060	20.35												

TF-301

Wheel diameter:800mm
wheel circumference:2513 mm

Outlet area:0.440㎡
Inlet area: 0.442㎡

Volume	Velocity	Static Pressure mmAq																			
		75		100		125		150		175		200		225		250		275			
cmm	m/s	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
275	10.4	1058	7.39	1149	9.44	1234	11.62	1315	13.91	1391	16.32	1464	18.82	1534	21.42	1061	24.1	1666	26.87		
300	11.4	1104	8.39	1191	10.53	1273	12.81	1350	15.2	1424	17.7	1495	20.3	1563	22.99	1629	25.78	1692	28.64		
325	12.3	1153	9.51	1235	11.76	1314	14.13	1389	16.62	1460	19.22	1529	21.91	1595	24.7	1658	27.58				
350	13.3	1203	10.76	1282	13.11	1357	15.59	1429	18.18	1498	20.88	1565	23.67	1629	26.55	1691	29.53				
375	14.2	1255	12.16	1331	14.62	1403	17.2	1472	19.89	1539	22.68	1603	25.57	1665	28.55						
400	15.2	1309	13.71	1381	16.27	1450	18.96	1517	21.75	1581	24.64	1643	27.63								
425	16.1	1364	15.42	1433	18.1	1499	20.89	1563	23.78	1625	26.78	1686	29.87								
450	17.0	1420	17.31	1486	20.09	1550	22.99	1611	25.99	1671	29.09										
475	18.0	1477	19.38	1540	22.27	1601	25.28	1661	28.38												
500	18.9	1535	21.63	1595	24.64	1654	27.76														
525	19.9	1593	24.1	1652	27.22																

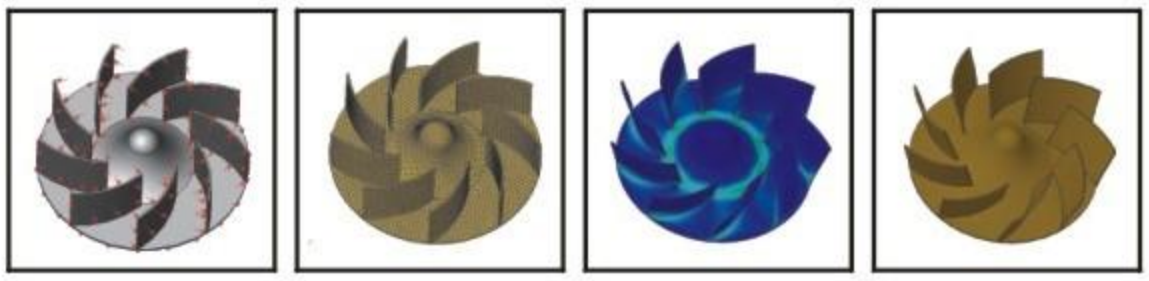
TF-361

Wheel diameter:970mm
wheel circumference:3047mm

Outlet area : 0.63㎡
Inlet area: 0.636㎡

Volume	Velocity	Static Pressure mmAq																			
		75		100		125		150		175		200		225		250		275			
cmm	m/s	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
350	9.2	821	9.51	903	12.48	980	15.64	1052	19	1119	22.52	1183	26.2	1243	30.3	1301	34.01	1356	38.12		
400	10.4	867	11.28	944	14.46	1017	17.84	1085	21.4	1150	25.12	1212	29	1271	33.03	1327	37.2	1381	41.5		
450	11.8	917	13.37	990	16.77	1058	20.36	1123	24.13	1185	28.06	1245	32.14	1302	36.37	1357	40.74	1409	45.23		
500	13.1	972	15.82	1039	19.44	1103	23.25	1165	27.23	1225	31.37	1282	35.66	1337	40.09	1390	44.66				
550	14.4	1029	18.65	1092	22.5	1152	26.53	1211	30.73	1267	35.08	1322	39.58	1375	44.23						
575	15.1	1059	20.23	1120	24.19	1178	28.33	1235	32.64	1290	37.1	1343	41.71	1395	46.46						
600	15.7	1089	21.91	1148	25.99	1205	30.25	1260	34.67	1314	39.24	1366	43.96	1416	48.81						
650	17.0	1151	25.63	1206	29.95	1260	34.43	1312	39.08	1363	43.87	1413	48.81								
700	18.3	1215	29.85	1267	34.41	1317	39.12	1366	44	1415	49.02										
750	19.6	1281	34.61	1329	39.4	1376	44.36	1423	49.46	1469	54.71										
800	21.0	1347	39.93	1393	44.98	1438	50.17	1482	55.51												

Test Method per AMCA Standard 210-85, Figure 15, Installation Type A. Results at Standard Air.
Power rating BHP does not include transmission losses.
Performance ratings do not include the effects of appurtenances.



TF-421

Wheel diameter:1090mm
wheel circumference:3424mm

Outlet area:0.790m²
Inlet area: 0.785 m²

Volume	Velocity	Static Pressure mmAq																	
		100		125		150		175		200		225		250		275		300	
cmm	m/s	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
550	11.6	869	20.29	931	24.75	989	29.43	1045	34.31	1099	39.39	1150	44.66	1199	50.1	1247	55.71	1292	61.48
600	12.7	902	22.81	961	27.48	1018	32.38	1072	37.47	1124	42.76	1174	48.23	1222	53.87	1268	59.68	1313	65.64
650	13.7	938	25.63	995	30.52	1049	35.63	1101	40.94	1151	46.43	1199	52.11	1246	57.96	1291	63.97	1335	70.13
700	14.8	976	28.77	1030	33.89	1081	39.21	1131	44.73	1180	50.44	1227	56.33	1272	62.38	1316	68.6		
750	15.8	1015	32.26	1066	37.59	1116	43.14	1164	48.88	1210	54.81	1256	60.9	1300	67.17				
800	16.9	1056	36.1	1105	41.67	1152	47.44	1198	53.4	1243	59.55	1287	65.86	1329	72.34				
850	17.9	1098	40.34	1144	46.14	1190	52.14	1234	58.32	1277	64.68	1319	71.22						
900	19.0	1141	44.99	1185	51.02	1229	57.25	1271	63.66	1313	70.24								
950	20.0	1185	50.07	1227	56.34	1269	62.8	1310	69.44										
1000	21.1	1230	55.61	1270	62.12	1310	68.81												
1050	22.2	1276	61.62	1314	68.38														

TF-481

Wheel diameter:1300mm
wheel circumference:4084mm

Outlet area :1.128m²
Inlet area: 1.131 m²

Volume	Velocity	Static Pressure mmAq																	
		125		150		175		200		225		250		275		300		325	
cmm	m/s	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
800	11.8	787	36.13	835	42.86	882	49.88	926	57.18	969	64.74	1010	72.55	1050	80.6	1088	88.87	1125	97.37
900	13.3	824	41.87	870	49.03	914	56.48	957	64.19	998	72.16	1037	80.38	1076	88.82	1113	97.5		
1000	14.8	865	48.5	908	56.1	950	63.97	991	72.11	1030	80.5	1068	89.13	1105	97.99				
1050	15.5	887	52.18	929	60	969	68.09	1009	76.44	1047	85.04	1084	93.88	1120	103				
1100	16.3	909	56.11	950	64.15	989	72.46	1027	81.03	1065	89.85	1101	98.9						
1150	17.0	932	60.31	971	68.57	1010	77.11	1047	85.9	1083	94.93	1119	104.2						
1200	17.7	955	64.79	993	73.28	1031	82.03	1067	91.04	1103	100.3								
1250	18.5	979	69.55	1016	78.27	1052	87.25	1088	96.48	1123	106								
1300	19.2	1004	74.62	1040	83.57	1075	92.78	1109	102.2										
1400	20.7	1054	85.69	1088	95.11	1121	104.8												
1500	22.2	1105	98.11	1137	108														

TF-601

Wheel diameter:1610mm
wheel circumference:5058mm

Outlet area:1.755m²
Inlet area: 1.767m²

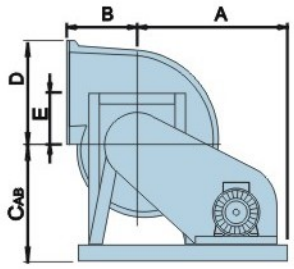
Volume	Velocity	Static Pressure mmAq																	
		125		150		175		200		225		250		275		300		325	
cmm	m/s	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	11.4	630	53.99	670	64.2	708	74.86	744	85.95	779	97.44	812	109.3	844	121.5	875	134.1	905	147.1
1300	12.3	649	59.45	687	70.08	724	81.16	759	92.65	793	104.6	826	116.8	857	129.5	888	142.4	917	155.7
1400	13.3	669	65.45	706	76.51	742	88.01	776	99.93	809	112.2	841	124.9	871	138	901	151.3		
1500	14.2	691	72.03	726	83.53	761	95.46	794	107.8	826	120.5	857	133.6	887	147.1				
1600	15.2	714	79.24	748	91.18	780	103.6	812	116.3	843	129.5	874	143						
1700	16.1	737	87.11	770	99.5	801	112.3	832	125.5	862	139.1								
1800	17.1	761	95.69	793	108.5	823	121.8	853	135.4	882	149.4								
1900	18.0	786	105	816	118.3	846	132	875	146.1										
2000	19.0	812	115.1	841	128.8	869	143	897	157.5										
2100	19.9	838	126	866	140.2	893	154.8												
2200	20.9	865	137.7	892	152.4														

Test Method per AMCA Standard 210-85, Figure 15, Installation Type A. Results at Standard Air.
Power rating BHP does not include transmission losses.
Performance ratings do not include the effects of appurtenances.

Fan Dimension

TF-181B 241B 301B

A



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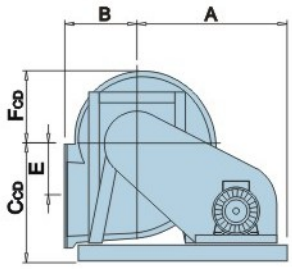

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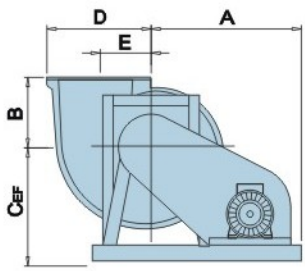

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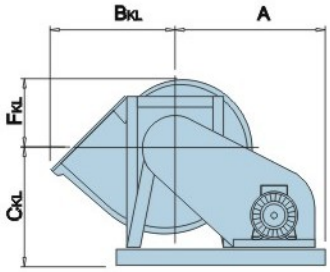

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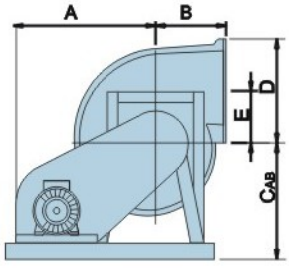

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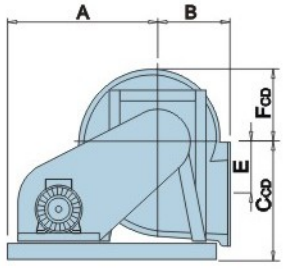

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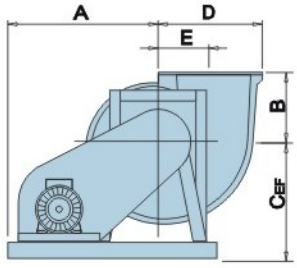

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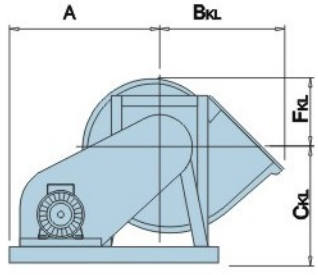

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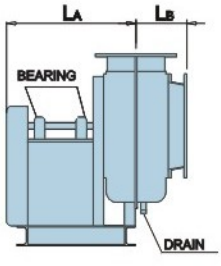

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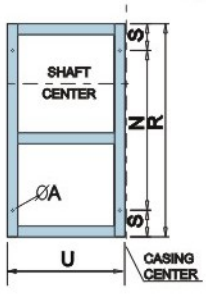

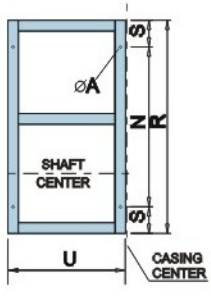

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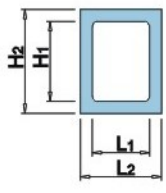
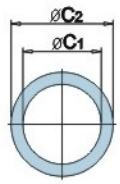


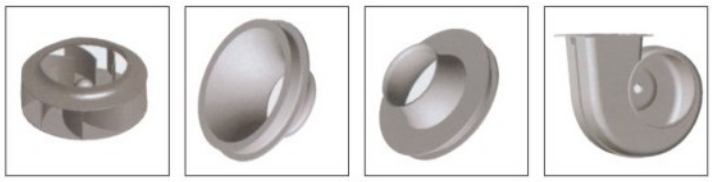
INLET



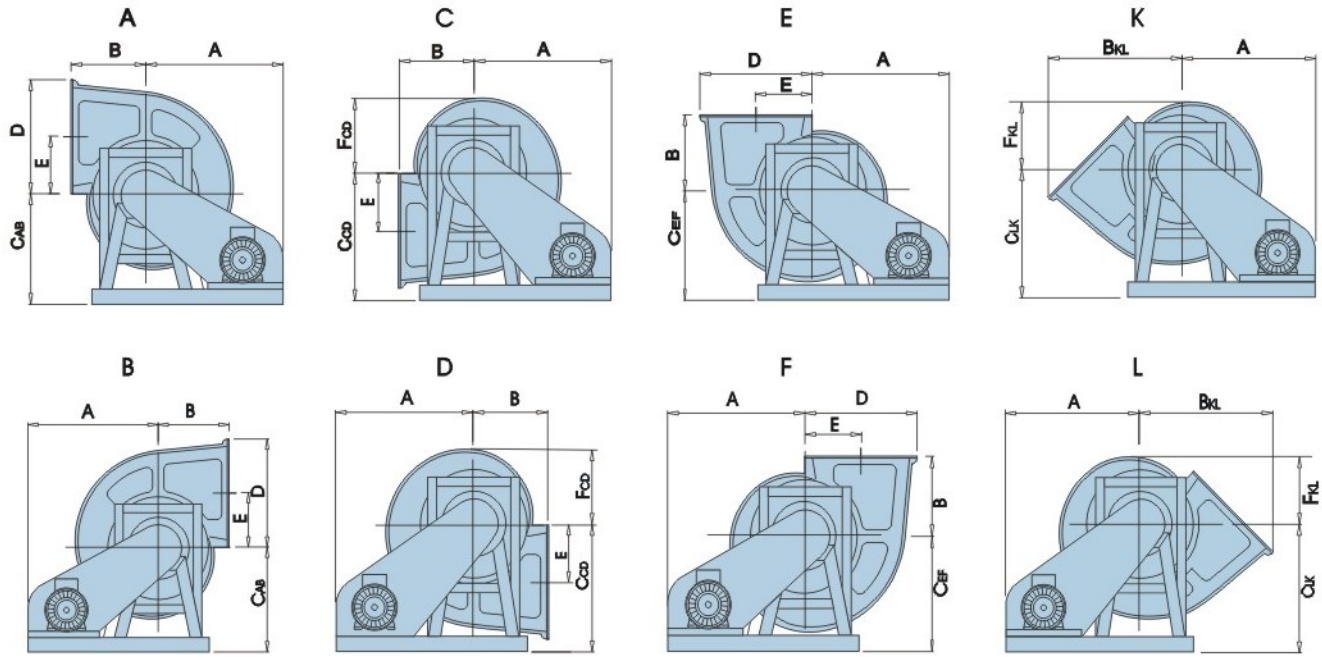
MODEL	BODY												
	A	B	BKL	CAB	CCD	CEF	CKL	D	E	FCD	FKL	LA	LB
TF-181B	820	387	712	625	700	625	700	620	335	409	372	715	290
TF-241B	970	500	912	750	850	750	900	790	430	531	482	838	351
TF-301B	1120	625	1114	900	1000	900	1050	950	480	615	555	981	400

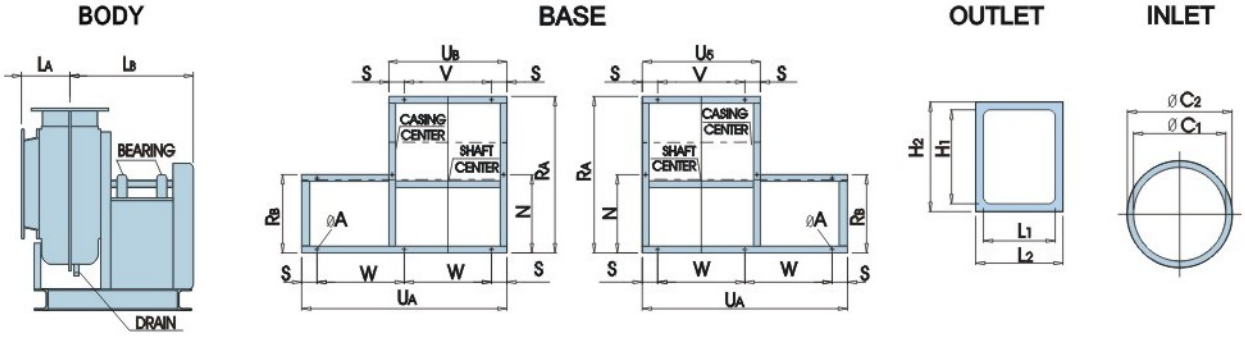
MODEL	BASE					OUTLET		INLET	
	R	U	N	S	ØA	H1 * L1	H2 * L2	ØC1	ØC2
TF-181B	1150	666	900	125	14	450 * 350	570 * 470	450	550
TF-241B	1350	801	1100	125	14	600 * 470	720 * 590	600	700
TF-301B	1600	888	1350	125	14	800 * 550	940 * 690	750	850

★ For specific size ,please do not hesitate to contact with us.



TF-361B 421B 481B 601B





MODEL	BODY												
	A	B	BKL	CAB	CCD	CEF	CLK	D	E	FCD	FKL	LA	LB
TF-361B	1435	777	1384	1000	1300	1150	1150	1180	655	800	726	1140	481
TF-421B	1580	854	1556	1100	1500	1300	1300	1347	772	887	804	1255	534
TF-481B	1715	1000	1793	1200	1650	1400	1400	1535	860	1035	940	1402	634
TF-601B	2010	1196	2166	1400	2050	1700	1700	1867	1042	1245	1130	1661	749

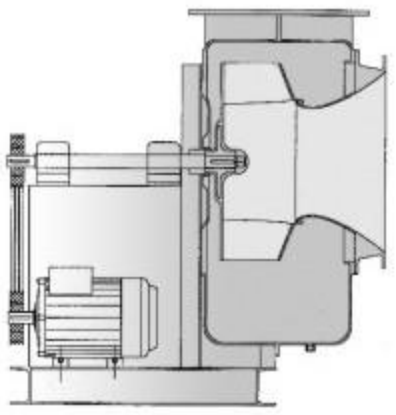
MODEL	BASE							OUTLET						INLET	
	RA	RB	UA	UB	N	S	W	V	ØA	H1	H2	L1	L2	ØC1	ØC2
TF-361B	1500	750	2000	1150	750	150	850	850	16	900	1050	700	850	900	1020
TF-421B	1645	760	2350	1540	822	150	1025	1240	16	1000	1150	790	950	1000	1120
TF-481B	1900	950	2600	1770	950	150	1150	1470	16	1200	1350	940	1100	1200	1350
TF-601B	2200	900	3000	1980	1100	150	1350	1680	16	1500	1650	1170	1300	1500	1650

★ For specific size ,please do not hesitate to contact with us.

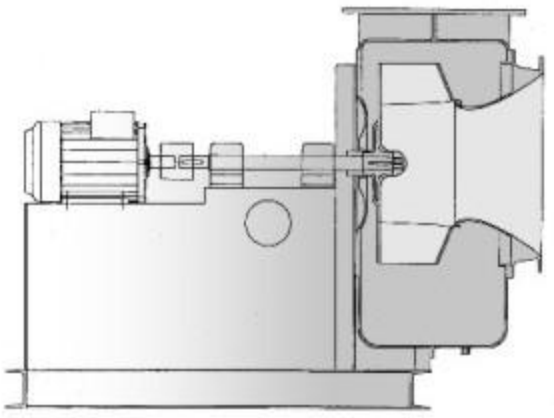
Technology Data

◆Drive Type:

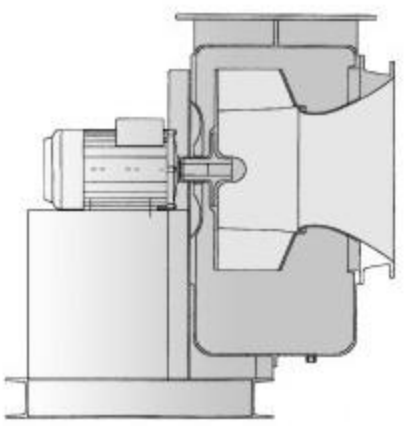
Belt Drive



Shaft Drive



Motor Drive



◆Arrangements

A

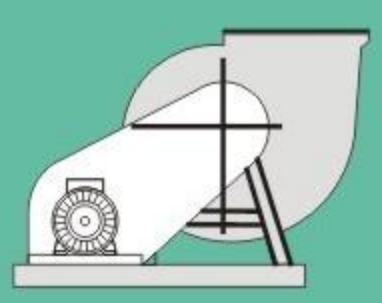
B

C

D

E

F



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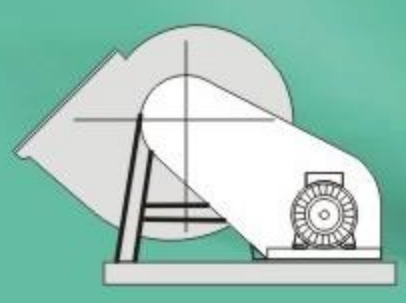
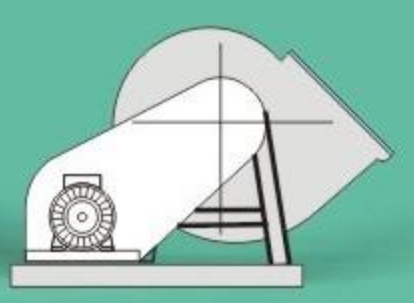


L



- Criterion as the lateral orientation of the motor
- Additionally, made the orientation of the client freely