

BROCHURE

Cabinet Fan

ThermalTrue®
HVAC & R

Cabinet Fan Series 15mm Frame CFB15- 160_355



Frame 15



NOMENCLATURE

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CFB15 - F/BC160, 180, 200, 225, 250, 280, 315, 355 - (Kw Motor) D (2, 4, 6 Pole)

CFB Cabinet Fan Box

- 15mm Panel

F/BC Fan Size

- Forward Curve Fan Series 160, 180, 200, 225, 250, 280, 315, 355

- Backward Curve Fan Series 160, 180, 200, 225, 250, 280, 315, 355

kW Motor Power in kW

D Motor type in Pole

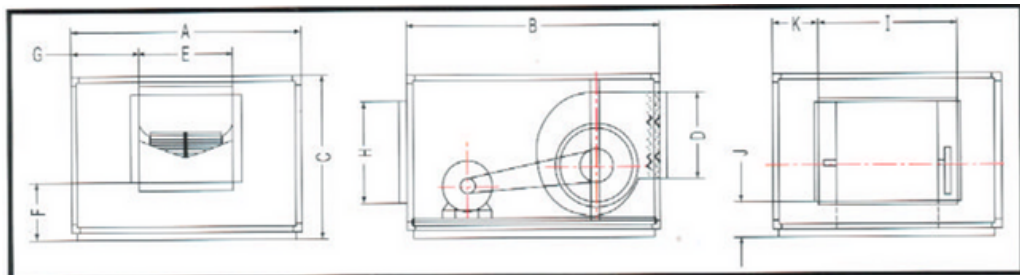
-2, 4, 6

Example

Cabinet Fan Box 15mm Series with Forward Curve fan 355, Motor 2.2kW-4P

CFB15-FC355-2.2D4

SPECIFICATION



Model	A	B	C	D	E	F	G	H	I	J	K
CF FC 160 SS15											
CF FC 180 SS15											
CF FC 200 SS15	750	1010	810	256	256	317	247	428	468	241	141
CF FC 225 SS15	750	1010	810	288	288	330	231	428	468	241	141
CF FC 250 SS15	750	1010	810	322	322	342	214	428	468	241	141
CF FC 280 SS15	900	1160	870	361	361	360	269	618	751	176	74
CF FC 315 SS15	1033	1252	1000	404	404	377	314	618	751	241	141
CF FC 355 SS15	1033	1252	1000	453	453	405	290	618	751	241	141

FD180 - 1250

Belt Drive Front Discharge Cabinet Fan		C25 C50	FD180	FD200	FD225	FD250	FD280	FD315
GENERAL DATA								
Duty Point Air Flow		CFM CMH	1000 1700	1500 2550	2000 3400	2500 4250	3000 5100	4000 6800
CASING	Frame	Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
	Panel Insulation							
DIMENSION	Unit Height	mm	640	720	720	760	820	880
	Unit Width	mm	640	640	640	680	700	780
	Unit Depth	mm	840	880	920	1000	1040	1120
	Discharge Orientation	Front Discharge						
	SA Opening Height	mm	229	256	288	322	361	404
	SA Opening Width	mm	229	256	288	322	361	404
FAN & MOTOR SPECIFICATION								
FAN	Type	Forward/Backward Curve Centrifugal Belt Drive						
	Model	FC/BC180 FC/BC200 FC/BC225 FC/BC250 FC/BC280 FC/BC315						
	Quantity	set	1					

Belt Drive Front Discharge Cabinet Fan		C25 C50	FD355	FD400	FD450	FD500	FD560	FD630
GENERAL DATA								
Duty Point Air Flow		CFM CMH	5000 8490	6000 10190	8000 13590	8800 14950	11500 19540	14000 23780
CASING	Frame	Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
	Panel Insulation							
DIMENSION	Unit Height	mm	960	1060	1140	1260	1400	1520
	Unit Width	mm	920	1000	1220	1220	1360	1520
	Unit Depth	mm	1200	1280	1280	1520	1640	1720
	Discharge Orientation	Front Discharge						
	SA Opening Height	mm	453	507	569	638	715	801
	SA Opening Width	mm	453	507	569	638	715	801
FAN & MOTOR SPECIFICATION								
FAN	Type	Forward/Backward Curve Centrifugal Belt Drive						
	Model	FC/BC355 FC/BC400 FC/BC450 FC/BC500 FC/BC560 FC/BC630						
	Quantity	set	1					

Belt Drive Front Discharge Cabinet Fan		C25 C50	FD710	FD800	FD900	FD1000	FD1120	FD1250
GENERAL DATA								
Maximum Air Flow	Max. Air Flow	CMH	97600	141000	170600	216000	130000	155000
	Max. Pressure	Pa	1280	1690	1610	1730	1700	1690
	Max. Power	kW	18,5	22,0	30,0	37,0	55,0	75,0
Duty Point Air Flow		CFM CMH	18000 30580	22000 37380	28000 47570	35000 59460	44000 74750	54000 91740
CASING	Frame	Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
	Panel Insulation							
DIMENSION	Unit Height	mm	1860	2020	2220	2420	2400	2600
	Unit Width	mm	1700	1900	2120	2400	2680	3000
	Unit Depth	mm	1840	1960	2200	2360	2640	2920
	Discharge Orientation	Front Discharge						
	SA Opening Height	mm	898	1.007	1.130	1.267	1.130	1.262
	SA Opening Width	mm	898	1.007	1.130	1.267	1.429	1.595
FAN & MOTOR SPECIFICATION								
FAN	Type	Forward/Backward Curve Centrifugal Belt Drive						
	Model	FC/BC710 FC/BC800 FC/BC900 FC/BC1000 BC1120 BC1250						
	Quantity	set	1					

TD180 - 1250

Belt Drive Top Discharge Cabinet Fan		C25 C50	TD180	TD200	TD225	TD250	TD280	TD315
GENERAL DATA								
Duty Point Air Flow		CFM CMH	1000 1700	1500 2550	2000 3400	2500 4250	3000 5100	4000 6800
CASING	Frame Panel Insulation	Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
DIMENSION	Unit Height	mm	640	640	640	680	700	780
	Unit Width	mm	640	640	720	760	820	880
	Unit Depth	mm	840	880	920	1000	1040	1120
	Discharge Orientation	Top Discharge						
	SA Opening Height	mm	229	256	288	322	361	404
	SA Opening Width	mm	229	256	288	322	361	404
FAN & MOTOR SPECIFICATION								
FAN	Type							
	Model	FC/BC180 FC/BC200 FC/BC225 FC/BC250 FC/BC280 FC/BC315						
	Quantity	set	1					

Belt Drive Top Discharge Cabinet Fan		C25 C50	TD355	TD400	TD450	TD500	TD560	TD630
GENERAL DATA								
Duty Point Air Flow		CFM CMH	5000 8490	6000 10190	8000 13590	8800 14950	11500 19540	14000 23780
CASING	Frame Panel Insulation	Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
DIMENSION	Unit Height	mm	920	1000	1300	1300	1360	1520
	Unit Width	mm	960	1060	1001	1075	1168	1274
	Unit Depth	mm	1200	1280	1360	1600	1760	1880
	Discharge Orientation	Top Discharge						
	SA Opening Height	mm	453	507	569	638	715	801
	SA Opening Width	mm	453	507	569	638	715	801
FAN & MOTOR SPECIFICATION								
FAN	Type	Forward/Backward Curve Centrifugal Belt Drive						
	Model	FC/BC55 FC/BC400 FC/BC450 FC/BC500 FC/BC560 FC/BC630						
	Quantity	set	1					

Belt Drive Top Discharge Cabinet Fan		C25 C50	TD710	TD800	TD900	TD1000	TD1120	TD1250
GENERAL DATA								
Duty Point Air Flow		CFM CMH	18000 30580	22000 37380	28000 47570	35000 59460	44000 74750	54000 91740
CASING	Frame Panel Insulation	Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
DIMENSION	Unit Height	mm	1700	1900	2120	2400	2680	3000
	Unit Width	mm	1396	1570	1723	1856	2075	2585
	Unit Depth	mm	2120	2280	2560	2800	2920	3280
	Discharge Orientation	Top Discharge						
	SA Opening Height	mm	898	1007	1130	1267	1130	1262
	SA Opening Width	mm	898	1007	1130	1267	1429	1595
FAN & MOTOR SPECIFICATION								
FAN	Type	Forward/Backward Curve Centrifugal Belt Drive						
	Model	FC/BC710 FC/BC800 FC/BC900 FC/BC1000 BC1120 BC1250						
	Quantity	set	1					

PF180 - 900

Direct Drive Cabinet Plug Fan			C25 C50	PF250	PF280	PF315	PF355	PF400	PF450
GENERAL DATA									
Duty Point Air Flow			CFM CMH	2000 3398	3000 5097	4000 6796	5000 8495	6000 10193	8000 13591
CASING	Frame Panel Insulation		Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
DIMENSION	Unit Height	mm	600	630	700	720	780	880	
	Unit Width	mm	600	630	700	720	780	880	
	Unit Depth	mm	600	630	700	720	780	880	
	Discharge Orientation		Front Discharge						
	SA Opening Height	mm	290	315	360	390	430	480	
	SA Opening Width	mm	290	315	360	390	430	480	
FAN & MOTOR SPECIFICATION									
FAN	Type		AC Plug Fan						
	Model		PF250	PF280	PF315	PF355	PF400	PF450	
	Quantity	set	1						

Direct Drive Cabinet Plug Fan			C25 C50	PF500	PF560	PF630	PF710	PF800	PF900
GENERAL DATA									
Duty Point Air Flow			CFM CMH	8800 14950	10000 16989	14000 23785	18000 30580	22000 37376	28000 47569
CASING	Frame Panel Insulation		Anodised extruded aluminium profile and nylon corner piece GI panels (Optional: Powder coated GI) 25mm / 50mm Rigid Polyurethane						
DIMENSION	Unit Height	mm	1000	1060	1110	1230	1350	1500	
	Unit Width	mm	1000	1060	1110	1230	1350	1500	
	Unit Depth	mm	1000	1060	1110	1230	1350	1500	
	Discharge Orientation		Front Discharge						
	SA Opening Height	mm	530	580	650	720	800	900	
	SA Opening Width	mm	530	580	650	720	800	900	
FAN & MOTOR SPECIFICATION									
FAN	Type		AC Plug Fan						
	Model		PF500	PF560	PF630	PF710	PF800	PF900	
	Quantity	set	1						

▶ OPERATING LIMITS

OPERATING LIMITS - FORWARD CURVE FANS																			
Model			160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000
Max. Installed Power	L	kW	3	3	4	4	4	5.5	5.5	7.5	7.5	11	11	15	15	18.5			
	R		3	3	4	4	4	5.5	5.5	7.5	7.5	11	11	15	15	18.5			
	K				4	4	7.5	11	11	15	15	15	15	18.5	18.5	22	22	30	37
	K1								18.5	22	22	30	30	30	30	37	37	45	
	K2												37	45	45	55	55	75	75
Max. Speed	L	rpm	4200	4000	3800	3400	2800	2500	2100	1800	1600	1400	1200	1100	900	750			
	R		4200	4000	3800	3400	2800	2500	2100	1800	1600	1400	1200	1100	900	750			
	K				3800	3400	3000	2700	2400	2000	1800	1500	1300	1200	1000	850	750	650	600
	K1								2400	2000	1800	1500	1400	1300	1100	900	800	700	
	K2												1400	1300	1100	900	800	700	650
Fan Weight	L	Kg	5.0	6.0	7.1	8.5	10.5	14.2	18	23	31	42	57	72	91	118			
	R		6.6	7.8	9.1	10.7	13	18	22	29	38	50	65	95	106	135			
	K				12.6	14.5	18	24	29	41	52	66	85	134	170	201	249	306	333
	K1								30	42	53	67	86	142	175	208	261	316	
	K2												105	150	180	225	278	320	360

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