

**BCSC
Classic
Series**



**SINGLE INLET CENTRIFUGAL FAN
CLASSIC BACKWARD CURVE**



Single Inlet Classic Centrifugal Fan

Introduction

BCSC Series is a backward curve limit load Centrifugal fan designed for modern ventilation which demands high performance with cost affordability.

Range

BCSC 315, 355, 400, 450, 500, 560, 630 & 710

Features

- 1- Big air volume
- 2- High static pressure
- 3- Lower motor horse power
- 4- Lighter in weight
- 5- Low sound level
- 6- High performance with cost affordability

Specification

Fan Housing

Standard
- GI sheet metal with Pittsburgh joint

Optional
- Welded mild steel housing with anti corrosion paint

Motor

Single Phase motor

(for BCSC 315, 355, 400, 450, 500)

- 3 speed condenser motor
- Permanently lubricate ball bearing
- Built-in internal protective device
- Insulation : Class F
- IP 55

Impeller

Type : backward curve single inlet
Material : As per table below:

Three Phase model

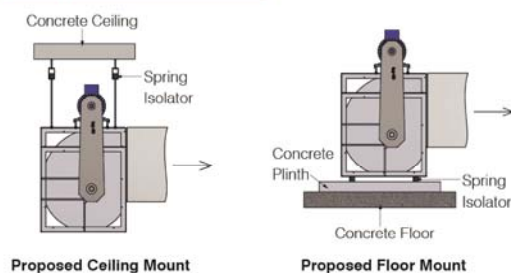
(for all models)

- TEFC induction motor
- Insulation : Class F
- IP55

Model	BCSC 315	BCSC 355	BCSC 400	BCSC 450	BCSC 500	BCSC 560	BCSC 630	BCSC 710
Impeller Material	AL*	AL*	AL* / STEEL	AL*	AL* / STEEL	AL*	AL*	AL* / STEEL
Air Discharge Arrangement								
CW90 Clockwise Top Horizontal								
CW270 Clockwise Bottom Horizontal								
CCW90 Counter Clockwise Top Horizontal								
CCW270 Counter Clockwise Bottom Horizontal								
CW360 Clockwise Vertical								
CCW360 Counter Clockwise Vertical								

Note:
1) AL* denotes Aluminium
2) Direction of rotation is determined from drive side which is opposite of inlet

Proposed Installation

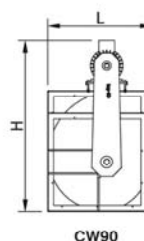


Proposed Ceiling Mount

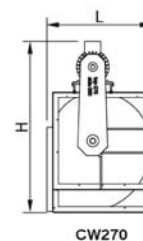
Proposed Floor Mount

Dimension (mm)

Model with motor on top



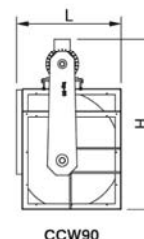
CW90



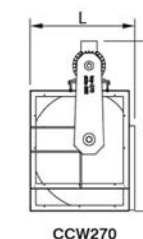
CW270



BCSC (CW 90/270)				
Model	L	H*	W	Kg*
BCSC 400	650	1036	471	91
BCSC 450	726	1207	493	101
BCSC 500	800	1298	502	124



CCW90



CCW270



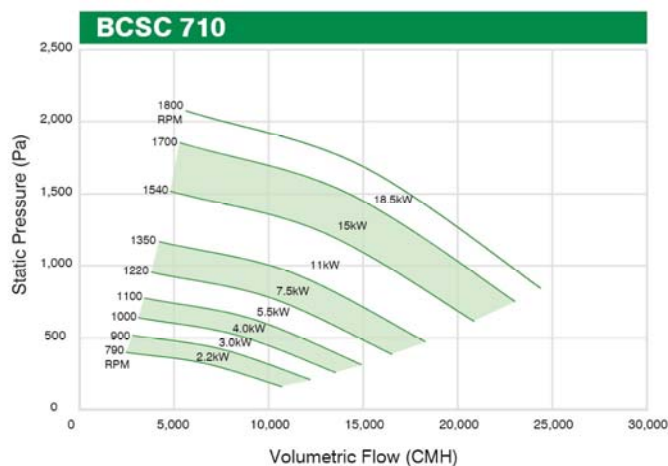
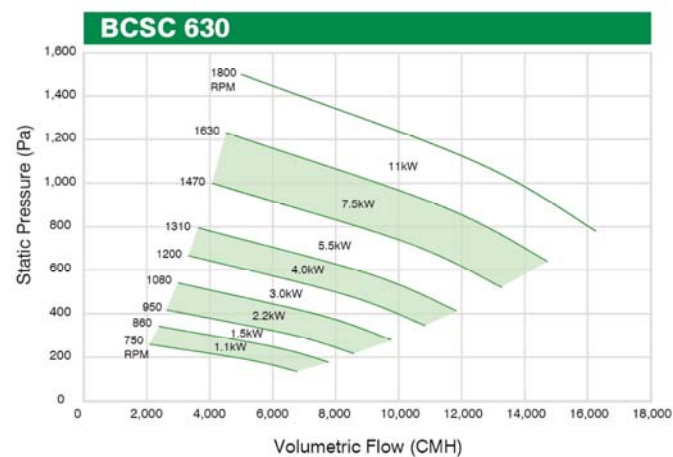
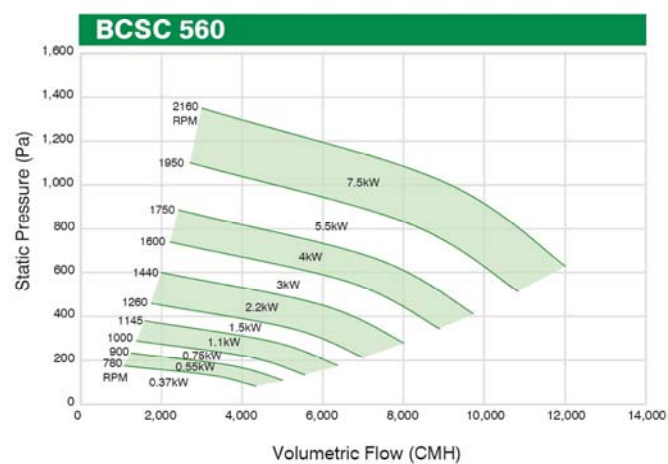
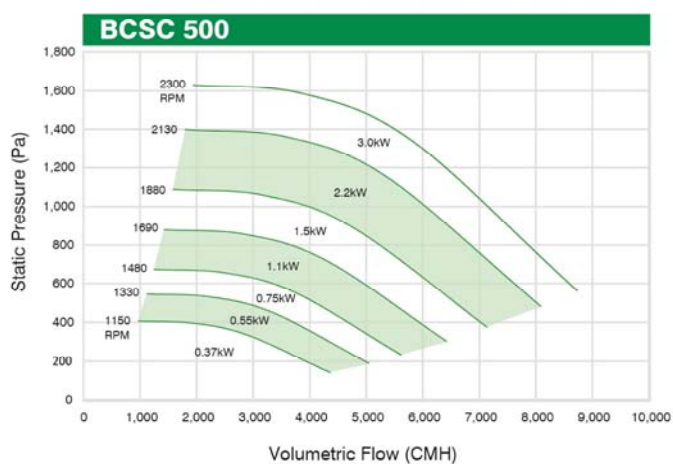
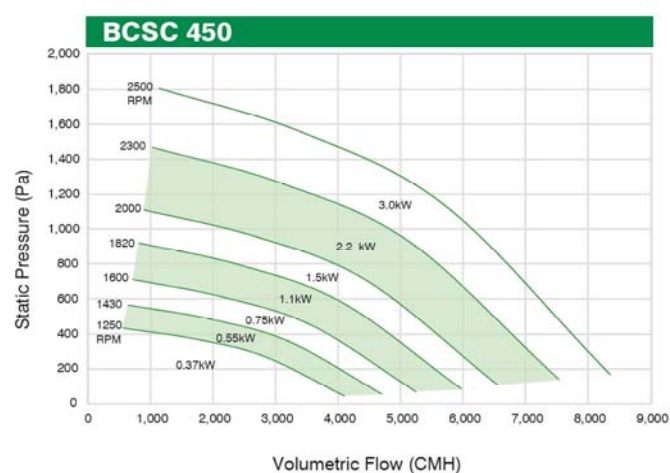
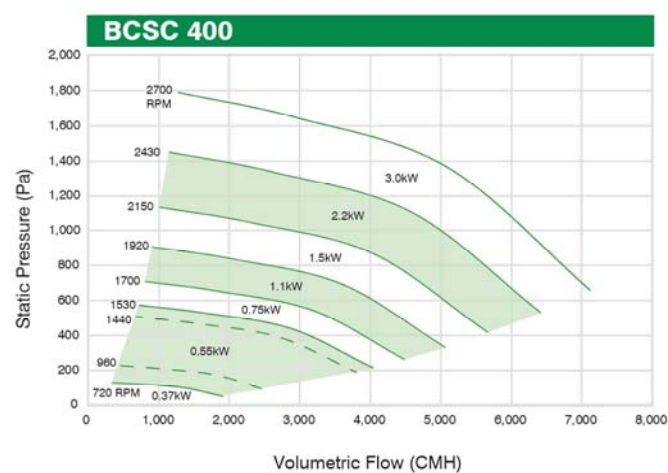
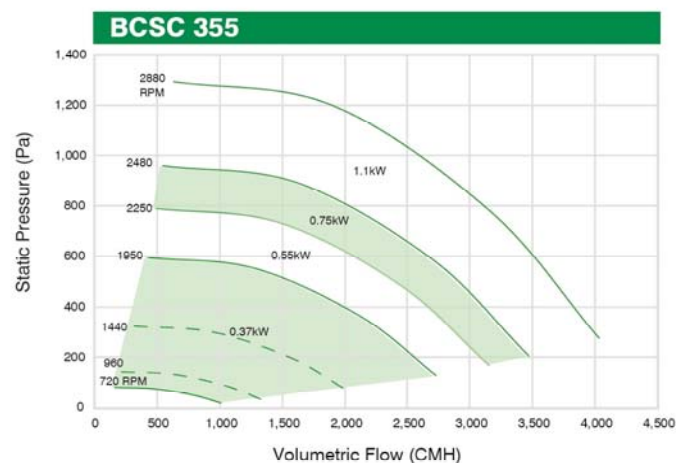
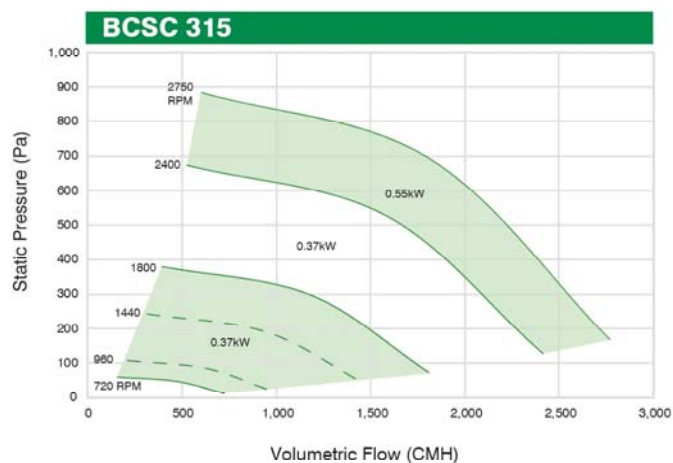
BCSC (CCW 90/270)				
Model	L	H*	W	Kg*
BCSC 315	518	853	366	64
BCSC 355	578	954	410	72
BCSC 560	892	1455	634	151
BCSC 630	998	1657	653	178
BCSC 710	1120	1837	700	228

Note: a) H* denotes maximum height
b) Kg* is weight of fan excludes motor

Induction Motor (415V / 3Phase / 50Hz) Indicative Weight

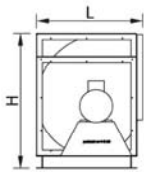
kW	HP	Weight (Kg)		kW	HP	Weight (Kg)	
		4 Pole	6 Pole			4 Pole	6 Pole
0.37	0.5	9.7	17	4.0	5.5	46	70
0.55	0.75	16	19	5.5	7.5	64	80
0.75	1.0	17	22	7.5	10	77	114
1.1	1.5	22	24	11	15	106	121
1.5	2.0	26	31	15	20	126	162
2.2	3.0	33	42	18.5	25	154	209
3.0	4.0	36	60				

Performance Curves

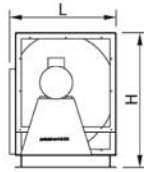


Dimension (mm)

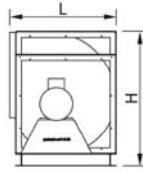
Direct Drive Model



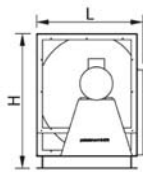
CW90



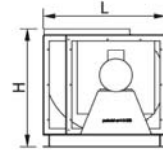
CW270



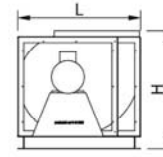
CCW90



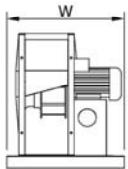
CCW270



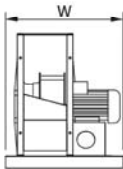
CW360



CCW360



BCSC-A (CW 90/270)						
Model	L	H	W	Kg	kW	
BCSC-A 400	650	812	755	91	0.55	
BCSC-A 450	726	903	814	105	0.75	
BCSC-A 500	800	994	819	123	0.75	



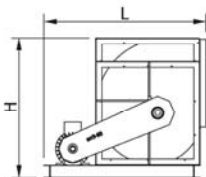
BCSC-A (CCW 90/270)						
Model	L	H	W	Kg	kW	
BCSC-A 315	518	654	643	67	0.37	
BCSC-A 355	578	730	694	77	0.37	
BCSC-A 560	892	1130	986	157	2.2	
BCSC-A 630	998	1257	1087	188	5.5	
BCSC-A 710	1120	1402	1173	241	11	

BCSC-A (CW 360)						
Model	L	H	W	Kg	kW	
BCSC-A 400	736	726	755	91	0.55	
BCSC-A 450	827	802	814	105	0.75	
BCSC-A 500	918	876	819	123	0.75	

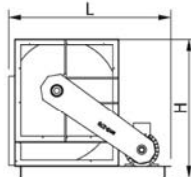
BCSC-A (CCW 360)						
Model	L	H	W	Kg	kW	
BCSC-A 315	578	594	643	67	0.37	
BCSC-A 355	654	654	694	77	0.37	
BCSC-A 560	1030	992	986	157	2.2	
BCSC-A 630	1157	1098	1087	188	5.5	
BCSC-A 710	1302	1220	1173	241	11	

Note: kW shown above based on 380-415V / 3 Phase / 4 pole / 50Hz induction motor

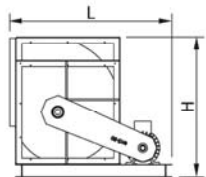
Arrangement 3 Model



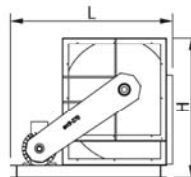
CW90



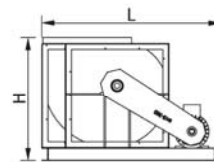
CW270



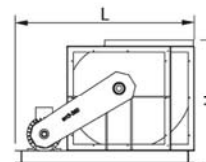
CCW90



CCW270



CW360



CCW360



BCSC (CW 90/270)					
Model	L	H	W	Kg*	
BCSC 400	953	812	534	101	
BCSC 450	1069	903	556	112	
BCSC 500	1143	994	565	137	

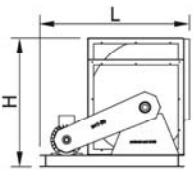


BCSC (CCW 90/270)					
Model	L	H	W	Kg*	
BCSC 315	800	654	438	73	
BCSC 355	881	730	473	81	
BCSC 560	1312	1130	709	169	
BCSC 630	1468	1257	728	198	
BCSC 710	1620	1402	775	249	

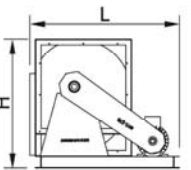
BCSC (CW 360)				
Model	L	H	W	Kg*
BCSC 400	1039	726	534	101
BCSC 450	1170	802	556	112
BCSC 500	1261	876	565	137

BCSC (CCW 360)				
Model	L	H	W	Kg*
BCSC 315	860	594	438	73
BCSC 355	957	654	473	81
BCSC 560	1450	992	709	169
BCSC 630	1627	1098	728	198
BCSC 710	1802	1220	775	249

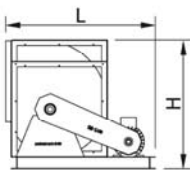
Arrangement 1 Model



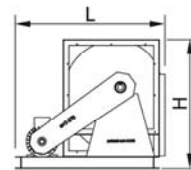
CW90



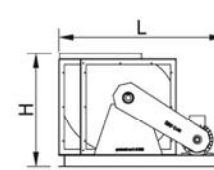
CW270



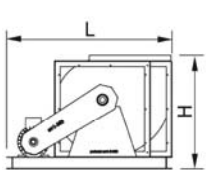
CCW90



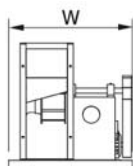
CCW270



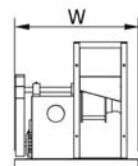
CW360



CCW360



BCSC (CW 90/270)					
Model	L	H	W	Kg*	
BCSC 400	953	812	832	120	
BCSC 450	1069	903	853	133	
BCSC 500	1143	994	858	158	



BCSC (CCW 90/270)					
Model	L	H	W	Kg*	
BCSC 315	800	654	723	87	
BCSC 355	881	730	754	97	
BCSC 560	1312	1130	1084	203	
BCSC 630	1468	1257	1141	239	
BCSC 710	1620	1402	1231	299	

BCSC (CW 360)				
Model	L	H	W	Kg*
BCSC 400	1039	726	832	120
BCSC 450	1170	802	853	133
BCSC 500	1261	876	858	158

BCSC (CCW 360)				
Model	L	H	W	Kg*
BCSC 315	860	594	723	87
BCSC 355	957	654	754	97
BCSC 560	1450	992	1084	203
BCSC 630	1627	1098	1141	239
BCSC 710	1802	1220	1231	299

Note: Kg* is weight of fan excludes motor

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SCAN & VISIT OUR WEBSITE



*Specifications & dimensions are subject to change without prior notice

ID : BCSC / G1 / 270320