

FC ■ General Data



UNIT MODEL	800	1000	1200
FANS			
Type	Centrifugal		
Number	4	4	4
Fan wheel Dia/Width (mm)	144/180	144/200	144/200
MOTORS			
Type	Induction Permanent Capacitor		
HP	(X2) 1/15	(X2) 1/15	(X2) 1/15
Rpm: High	1100		
Med	960		
Low	800		
Electrical Data	220-240V/1Ph/50Hz		
COILS			
Face area m ² (sq.ft)	0.3 (3.3)	0.38 (4.16)	0.38 (4.16)
Fins per inch / Spacing mm	12 / 2.12		
Rows	3,4 or 3 Cooling + 1 Heating		
FILTER TYPE			
	Throw Away		
SOUND LEVELS			
Sound level rating dBA (1)	50	51	52
WEIGHT			
Kg (Lb)	34 (76)	42(92)	49(109)

(1) Sound pressure levels measured at 1m distance in a medium size room, using high fan speed.

FC 800 - Heating Capacity



Based on 21.1°C (70°F) Entering air Temperatures

EWT	1 ROW ⁽¹⁾			3 ROW COIL			4 ROW COIL		
	WF	CAP	PD	WF	CAP	PD	WF	CAP	PD
°C (°F)	m ³ /h (gpm)	kw (MBH)	m (ft)	m ³ /h (gpm)	kw (MBH)	m (ft)	m ³ /h (gpm)	kw (MBH)	m (ft)
49 (120)	0.1 (0.5)	2.8 (9.6)	0.8 (2.7)	1.2 (5.4)	9.9 (33.9)	0.7 (2.4)	1.7 (7.6)	11.8 (40.2)	1.7 (5.5)
	0.2 (1.1)	4.0 (13.6)	2.9 (9.4)	1.5 (6.5)	10.2 (34.9)	1.1 (3.5)	2.0 (8.6)	11.9 (40.7)	2.1 (7.0)
	0.4 (1.6)	4.6 (15.7)	5.9 (19.5)	1.7 (7.6)	10.4 (35.6)	1.4 (4.6)	2.2 (9.7)	12.1 (41.1)	2.7 (8.7)
60 (140)	0.1 (0.5)	4.0 (13.5)	0.8 (2.7)	1.2 (5.4)	14.0 (47.7)	0.7 (2.4)	1.7 (7.6)	16.5 (56.5)	1.6 (5.3)
	0.2 (1.1)	5.6 (19.1)	2.8 (9.1)	1.5 (6.5)	14.4 (49.2)	1.0 (3.4)	2.0 (8.6)	16.8 (57.2)	2.1 (6.8)
	0.4 (1.6)	6.5 (22.0)	5.8 (18.9)	1.7 (7.6)	14.7 (50.2)	1.4 (4.5)	2.2 (9.7)	16.9 (57.8)	2.6 (8.5)
71 (160)	0.1 (0.5)	5.1 (17.4)	0.8 (2.6)	1.2 (5.4)	18.1 (61.8)	0.7 (2.3)	1.7 (7.6)	21.3 (72.9)	1.6 (5.2)
	0.2 (1.1)	7.2 (24.7)	2.7 (8.8)	1.5 (6.5)	18.6 (63.6)	1.0 (3.4)	2.0 (8.6)	21.6 (73.8)	2.0 (6.6)
	0.4 (1.6)	8.3 (28.4)	5.6 (18.3)	1.7 (7.6)	19.0 (64.9)	1.3 (4.4)	2.2 (9.7)	21.8 (74.5)	2.5 (8.4)
82 (180)	0.1 (0.5)	6.2 (21.3)	0.7 (2.4)	1.2 (5.4)	22.2 (75.8)	0.7 (2.3)	1.7 (7.6)	26.2 (89.3)	1.6 (5.1)
	0.2 (1.1)	8.9 (30.3)	2.6 (8.6)	1.5 (6.5)	22.8 (78.0)	1.0 (3.2)	2.0 (8.6)	26.5 (90.4)	2.0 (6.5)
	0.4 (1.6)	10.2 (34.9)	5.4 (17.7)	1.7 (7.6)	23.3 (79.6)	1.3 (4.4)	2.2 (9.7)	26.7 (91.3)	2.5 (8.1)

(1) in a 1 row heating coil + 3 row cooling coil

- EWT - Entering Water Temperature
- WF - Water Flow
- MBH - Thousands btu's per hour
- CAP - Unit Heating Capacity
- PD - water Pressure Drop in m (ft) of water

FC 800 - Cooling Capacity



Based on 26.7°C (80°F)/19.4°C (67°F) Entering air dry/Wet bulb temperatures

		3 ROW COIL				4 ROW COIL			
EWT	WTR	TH	SH	WF	PD	TH	SH	WF	PD
°C (°F)	°C (°F)	kw (MBH)	kw (MBH)	m ³ /h (gpm)	m (ft)	kw (MBH)	kw (MBH)	m ³ /h (gpm)	m (ft)
5.6 (42)	4.5 (8)	9.5 (32.5)	6.5 (22.4)	1.9 (8.2)	1.9 (6.1)	12.3 (41.9)	7.9 (27.1)	2.4 (10.6)	3.5 (11.5)
	5.5 (10)	7.7 (26.1)	5.8 (19.7)	1.2 (5.3)	0.8 (2.7)	10.9 (37.3)	7.3 (25.1)	1.7 (7.5)	1.9 (6.1)
	6.7 (12)	5.8 (19.9)	4.9 (16.7)	0.8 (3.3)	0.3 (1.0)	9.4 (32.2)	6.7 (22.8)	1.2 (5.4)	1.0 (3.4)
7.2 (45)	4.5 (8)	7.9 (27.0)	5.9 (20.1)	1.5 (6.8)	1.3 (4.3)	10.5 (36.0)	7.2 (24.5)	2.1 (9.1)	2.6 (8.6)
	5.5 (10)	6.2 (21.1)	5.1 (17.5)	1.0 (4.2)	0.5 (1.7)	9.1 (31.2)	6.6 (22.5)	1.4 (6.3)	1.3 (4.4)
	6.7 (12)	4.7 (16.0)	4.3 (14.8)	0.6 (2.7)	0.2 (0.6)	7.7 (26.4)	5.9 (20.3)	1.0 (4.4)	0.7 (2.2)
8.9 (48)	4.5 (8)	6.4 (21.7)	5.2 (17.8)	1.2 (5.4)	0.8 (2.8)	8.7 (29.7)	6.4 (21.9)	1.7 (7.5)	1.8 (6.0)
	5.5 (10)	4.9 (16.8)	4.5 (15.4)	0.8 (3.3)	0.3 (1.0)	7.4 (25.3)	5.9 (20.0)	1.2 (5.1)	0.9 (2.9)
	6.7 (12)	4.3 (14.8)	4.1 (14.0)	0.6 (2.5)	0.2 (0.6)	6.2 (21.3)	5.3 (18.1)	0.8 (3.6)	0.4 (1.4)

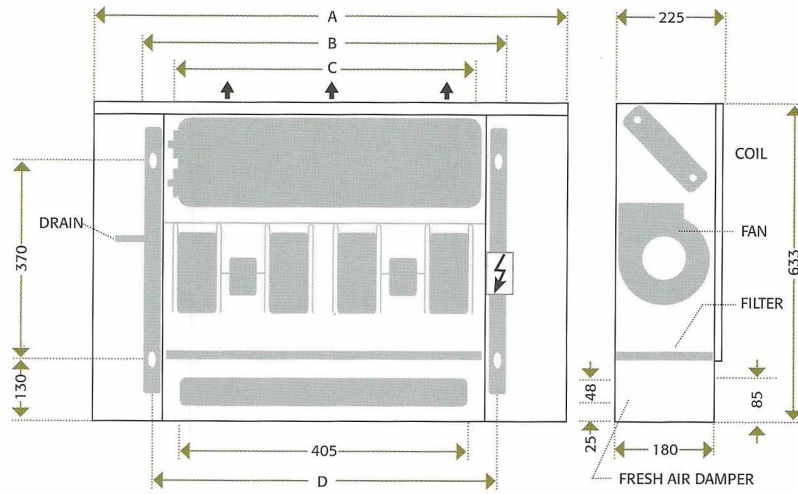
- EWT - Entering Water Temperature
- WTR - Water Temperature Rise
- TH - Total Heat
- SH - Sensible Heat
- WF - Water Flow
- PD - water Pressure Drop in m (ft) of water
- MBH - Thousands btu's per hour

*Optional Electrical Heater 2.0,2.5,3.0 Kw

Air Delivery - m³/h (cfm) dry coil

SPEED	3 ROW COIL	4 ROW COIL
high	1400 (820)	1330 (780)
medium	1210 (710)	1160 (680)
Low	1090 (640)	970 (570)

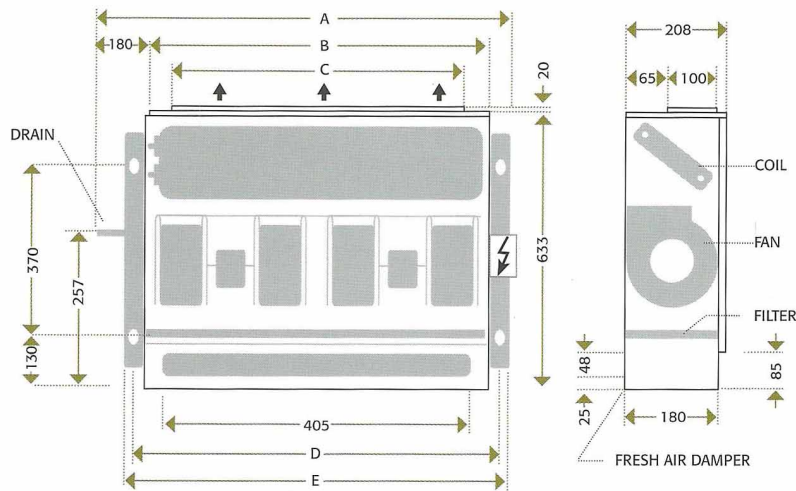
General Dimensions ■ FC 800 ■ 1000 ■ 1200



Vertical with cabinet

	FC800	FC1000	FC1200
A	2037	2410	2410
B	1685	2031	2031
C	1500	1920	1920

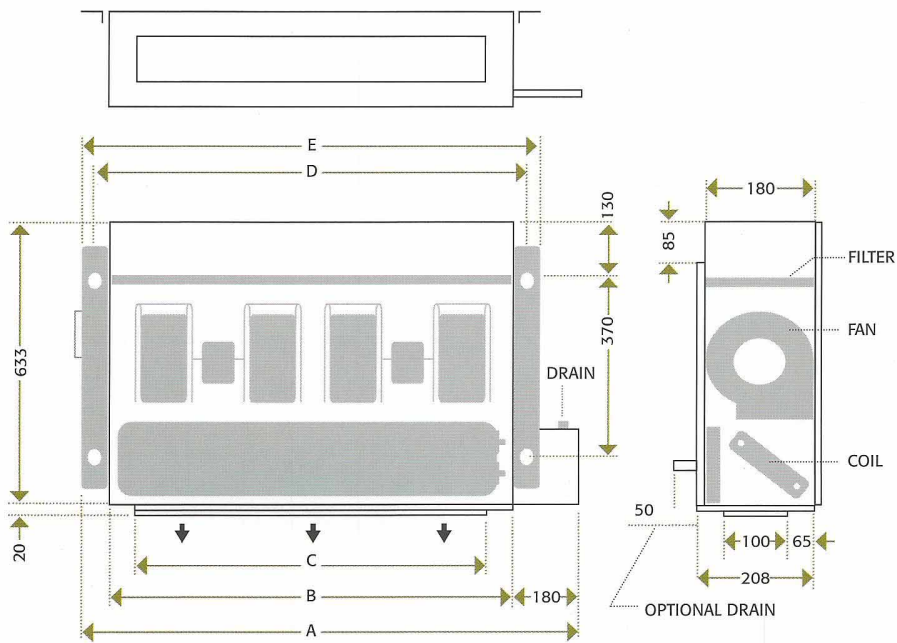
All dimensions are in mm



Vertical without cabinet

	FC800	FC1000	FC1200
A	1838	2211	2211
B	1632	2005	2005
C	1550	1924	1924
D	1658	2031	2031
E	1682	2055	2055

All dimensions are in mm



All dimensions are in mm

Horizontal without cabinet

	FC800	FC1000	FC1200
A	1838	2211	2211
B	1632	2005	2005
C	1550	1924	1924
D	1658	2031	2031
E	1682	2055	2055

Filter size

UNIT MODEL	SIZE
800	195 x 780 (2)
1000	195 x 625 (3)
1200	195 x 625 (3)