

# FC ■ General Data



UNIT MODEL	800	1000	1200
<b>FANS</b>			
Type	Centrifugal		
Number	4	4	4
Fan wheel Dia/Width (mm)	144/180	144/200	144/200
<b>MOTORS</b>			
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		
<b>COILS</b>			
Face area m <sup>2</sup> (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		
<b>FILTER TYPE</b>			
	Throw Away		
<b>SOUND LEVELS</b>			
Sound level rating dBA (1)	50	51	52
<b>WEIGHT</b>			
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 1200 - 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 <sup>3</sup> /h (gpm)	m (ft)	kw (MBH)	kw (MBH)	m <sup>3</sup> /h (gpm)	m (ft)
5.6 (42)	4.5 (8)	14.9 (50.9)	10.0 (34.0)	2.9 (12.9)	4.8 (15.7)	18.4 (62.7)	11.8 (40.4)	3.6 (15.9)	8.3 (27.4)
	5.5 (10)	12.8 (43.6)	9.0 (30.9)	2.0 (8.7)	2.4 (7.8)	17.0 (58.0)	11.2 (38.2)	2.7 (11.8)	4.8 (15.7)
	6.7 (12)	10.4 (35.6)	8.0 (27.3)	1.4 (5.9)	1.1 (3.7)	15.2 (51.9)	10.4 (35.5)	2.0 (8.7)	2.8 (9.1)
7.2 (45)	4.5 (8)	12.5 (42.8)	9.0 (30.7)	2.5 (10.8)	3.4 (11.3)	15.9 (54.3)	10.8 (36.7)	3.1 (13.8)	6.4 (21.0)
	5.5 (10)	10.4 (35.6)	8.0 (27.3)	1.6 (7.2)	1.6 (5.2)	14.4 (49.1)	10.1 (34.3)	2.3 (9.9)	3.5 (11.4)
	6.7 (12)	8.4 (28.8)	7.1 (24.4)	1.1 (4.9)	0.8 (2.6)	12.7 (43.2)	9.3 (31.8)	1.6 (7.2)	1.9 (6.4)
8.9 (48)	4.5 (8)	10.2 (34.8)	8.0 (27.3)	2.0 (8.7)	2.3 (7.5)	13.4 (45.7)	9.7 (33.1)	2.6 (11.6)	4.6 (15.0)
	5.5 (10)	8.4 (28.7)	7.2 (24.5)	1.3 (5.7)	1.1 (3.5)	11.8 (40.3)	9.0 (30.7)	1.8 (8.1)	2.4 (7.8)
	6.7 (12)	6.8 (23.2)	6.3 (21.4)	0.9 (3.9)	0.5 (1.6)	10.3 (35.1)	8.3 (28.2)	1.3 (5.8)	1.3 (4.3)

- 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 - m<sup>3</sup>/h (cfm) dry coil

SPEED	3 ROW COIL	4 ROW COIL
high	2040 (1200)	1869 (1090)
medium	1860 (1090)	1640 (960)
Low	1540 (910)	1400 (820)

# FC 1200 - Heating Capacity



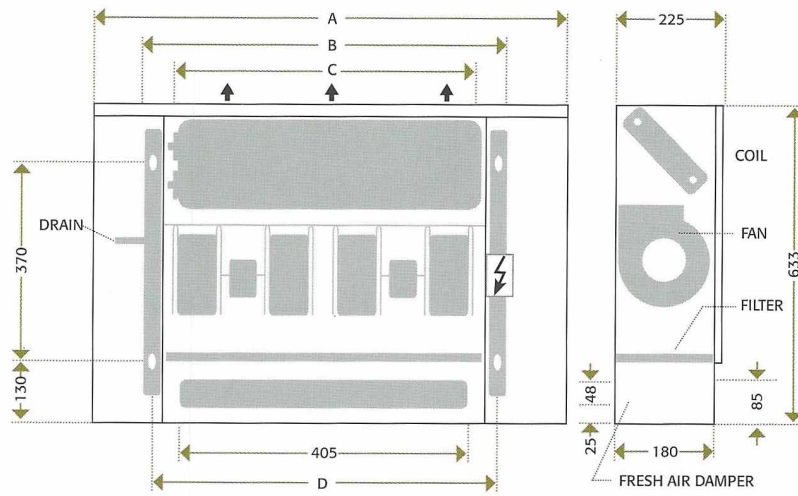
Based on 21.1°C (70°F) Entering air Temperatures

EWT	1 ROW <sup>(1)</sup>			3 ROW COIL			4 ROW COIL		
	WF	CAP	PD	WF	CAP	PD	WF	CAP	PD
°C (°F)	m <sup>3</sup> /h (gpm)	kw (MBH)	m (ft)	m <sup>3</sup> /h (gpm)	kw (MBH)	m (ft)	m <sup>3</sup> /h (gpm)	kw (MBH)	m (ft)
49 (120)	0.1 (0.5)	3.2 (10.8)	1.0 (3.1)	2.0 (8.6)	14.6 (49.9)	2.0 (6.6)	2.0 (8.6)	16.6 (56.8)	2.4 (7.8)
	0.2 (1.1)	6.8 (23.1)	3.3 (10.7)	2.2 (9.7)	14.9 (50.8)	2.5 (8.2)	2.2 (9.7)	16.9 (57.7)	3.0 (9.7)
	0.4 (1.6)	5.7 (19.5)	7.0 (23.0)	2.5 (10.8)	15.1 (51.5)	3.1 (10.1)	2.5 (10.8)	17.1 (58.4)	3.6 (11.8)
60 (140)	0.1 (0.5)	4.4 (15.1)	1.0 (3.1)	2.0 (8.6)	20.6 (70.2)	2.0 (6.5)	2.0 (8.6)	23.4 (79.9)	2.3 (7.7)
	0.2 (1.1)	6.8 (23.1)	3.3 (10.7)	2.2 (9.7)	20.9 (71.5)	2.4 (8.0)	2.2 (9.7)	23.8 (81.1)	2.9 (9.5)
	0.4 (1.6)	8.1 (27.5)	6.8 (22.2)	2.5 (10.8)	21.2 (72.5)	3.0 (9.9)	2.5 (10.8)	24.0 (82.1)	3.5 (11.5)
71 (160)	0.1 (0.5)	5.7 (19.4)	0.9 (3.0)	2.0 (8.6)	26.6 (90.7)	1.9 (6.3)	2.0 (8.6)	30.2 (103.0)	2.3 (7.4)
	0.2 (1.1)	8.7 (29.8)	3.2 (10.4)	2.2 (9.7)	27.0 (92.2)	2.4 (7.9)	2.2 (9.7)	30.6 (104.7)	2.8 (9.3)
	0.4 (1.6)	10.4 (35.5)	6.6 (21.6)	2.5 (10.8)	27.4 (93.4)	2.9 (9.6)	2.5 (10.8)	31.0 (105.8)	3.4 (11.3)
82 (180)	0.1 (0.5)	7.0 (23.8)	0.9 (2.9)	2.0 (8.6)	32.6 (111.2)	1.9 (6.1)	2.0 (8.6)	37.0 (126.3)	2.2 (7.2)
	0.2 (1.1)	10.7 (36.5)	3.1 (10.1)	2.2 (9.7)	33.1 (113.1)	2.3 (7.7)	2.2 (9.7)	37.5 (128.2)	2.8 (9.1)
	0.4 (1.6)	12.7 (43.5)	6.4 (20.9)	2.5 (10.8)	33.6 (114.6)	2.9 (9.4)	2.5 (10.8)	38.0 (129.6)	3.4 (11.0)

(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

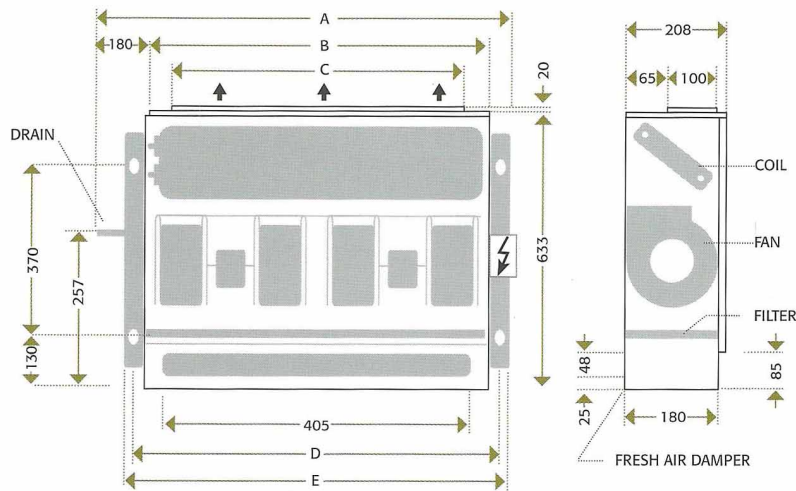
# General Dimensions ■ FC 800 ■ 1000 ■ 1200



## Vertical with cabinet

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

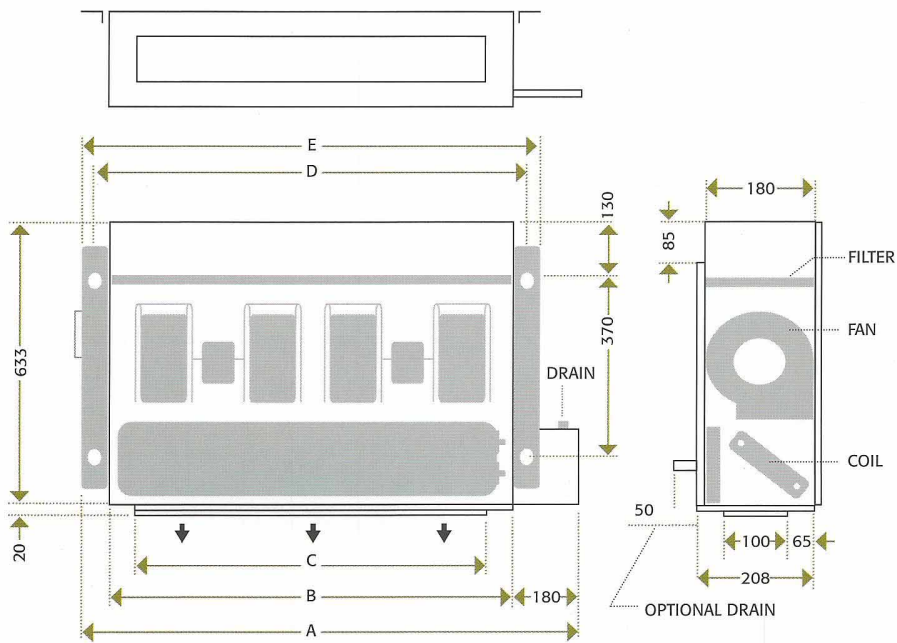
All dimensions are in mm



## 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)