

YFCN Fan Coil Unit centrifugal fan

2 & 4 pipe system
A complete range from 1.0 kW to 7.6 kW



Wired controls

- BR** Remote three speeds controller
- TR** Electronic thermostat and Summer/Winter switch
- AIR** Automatic TR
- DTR** Digital Automatic Remote controller
- TMO 300 SV2** Digital Automatic Remote controller to be mounted in the standard light wall box
- DMC - DI** Centralized controller up to 60 terminals

Infrared control



Features

- New Casing, improved aesthetics and suitable for any modern indoor ambient
- Full range for all your needs: 9 sizes suitable for horizontal/vertical mounting
- Models with or without casing
- Low noise operation
- 3 fan speeds (possible to choose between 6 fan speeds)
- Single piece discharge grid
- Several coil choices: Single 3 or 4 rows, Dual 3 rows cooling & 2 rows heating
- Electrical heater optional
- Suction and discharge plenum optional
- Factory fitted valves and controller packages
- Painted back panel option
- 4 available versions in all range:
 - VC = Vertical Discharge with Casing
 - VCD = Vertical Discharge with Casing (floor installation)
 - HC = Horizontal Discharge with Casing
 - CD = Concealed unit without Casing



FX03 Terminal unit controller
BacNet and B2 Metasys network compatible (see page 103 for details)



98/99

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1.0 to 7.6 kW



Water Systems

YFCN - Technical features 2 pipes

YFCN model	Air flow m³/h	Total capacity		Pressure drop		Power input W	Pressure level dBA	Dimensions (with casing) mm		
		Cooling kW	Heating kW	Cooling kPa	Heating kPa			Height	Width	Depth
130	120	1.2	1.2	1.3	1.2	31	36	130	470	225
135	135	1.4	1.4	1.5	1.5	32	38	135	470	225
140	150	1.6	1.6	1.7	1.7	33	40	140	470	225
145	165	1.8	1.8	1.9	1.9	34	42	145	470	225
150	180	2.0	2.0	2.1	2.1	35	44	150	470	225
155	195	2.2	2.2	2.3	2.3	36	46	155	470	225
160	210	2.4	2.4	2.5	2.5	37	48	160	470	225
165	225	2.6	2.6	2.7	2.7	38	50	165	470	225
170	240	2.8	2.8	2.9	2.9	39	52	170	470	225
175	255	3.0	3.0	3.1	3.1	40	54	175	470	225
180	270	3.2	3.2	3.3	3.3	41	56	180	470	225
185	285	3.4	3.4	3.5	3.5	42	58	185	470	225
190	300	3.6	3.6	3.7	3.7	43	60	190	470	225
195	315	3.8	3.8	3.9	3.9	44	62	195	470	225
200	330	4.0	4.0	4.1	4.1	45	64	200	470	225
205	345	4.2	4.2	4.3	4.3	46	66	205	470	225
210	360	4.4	4.4	4.5	4.5	47	68	210	470	225
215	375	4.6	4.6	4.7	4.7	48	70	215	470	225
220	390	4.8	4.8	4.9	4.9	49	72	220	470	225
225	405	5.0	5.0	5.1	5.1	50	74	225	470	225
230	420	5.2	5.2	5.3	5.3	51	76	230	470	225
235	435	5.4	5.4	5.5	5.5	52	78	235	470	225
240	450	5.6	5.6	5.7	5.7	53	80	240	470	225
245	465	5.8	5.8	5.9	5.9	54	82	245	470	225
250	480	6.0	6.0	6.1	6.1	55	84	250	470	225
255	495	6.2	6.2	6.3	6.3	56	86	255	470	225
260	510	6.4	6.4	6.5	6.5	57	88	260	470	225
265	525	6.6	6.6	6.7	6.7	58	90	265	470	225
270	540	6.8	6.8	6.9	6.9	59	92	270	470	225
275	555	7.0	7.0	7.1	7.1	60	94	275	470	225
280	570	7.2	7.2	7.3	7.3	61	96	280	470	225
285	585	7.4	7.4	7.5	7.5	62	98	285	470	225
290	600	7.6	7.6	7.7	7.7	63	100	290	470	225

With air cooling of max. speed (Data for the cooling mode). The capacities are accordingly to the EUROVENT standards and UNI EN 1282 COOLING: Room temperature 27°C d.b., 19°C w.b. - Water temperature 12°C
HEATING: Room temperature 21°C - Water inlet temperature 50°C and water 55°C
* The sound pressure levels are 0.5dB(A) lower than the sound power levels and apply to the maximum field of a 300 m³ room and a reverberation time of 0.5 sec.

YFCN - Technical features 4 pipes

YFCN model	Air flow m³/h	Total capacity		Pressure drop		Power input W	Pressure level dBA	Dimensions (with casing) mm		
		Cooling kW	Heating kW	Cooling kPa	Heating kPa			Height	Width	Depth
130-4	120	1.0	1.0	1.3	1.3	31	36	130	470	225
135-4	135	1.2	1.2	1.5	1.5	32	38	135	470	225
140-4	150	1.4	1.4	1.7	1.7	33	40	140	470	225
145-4	165	1.6	1.6	1.9	1.9	34	42	145	470	225
150-4	180	1.8	1.8	2.1	2.1	35	44	150	470	225
155-4	195	2.0	2.0	2.3	2.3	36	46	155	470	225
160-4	210	2.2	2.2	2.5	2.5	37	48	160	470	225
165-4	225	2.4	2.4	2.7	2.7	38	50	165	470	225
170-4	240	2.6	2.6	2.9	2.9	39	52	170	470	225
175-4	255	2.8	2.8	3.1	3.1	40	54	175	470	225
180-4	270	3.0	3.0	3.3	3.3	41	56	180	470	225
185-4	285	3.2	3.2	3.5	3.5	42	58	185	470	225
190-4	300	3.4	3.4	3.7	3.7	43	60	190	470	225
195-4	315	3.6	3.6	3.9	3.9	44	62	195	470	225
200-4	330	3.8	3.8	4.1	4.1	45	64	200	470	225
205-4	345	4.0	4.0	4.3	4.3	46	66	205	470	225
210-4	360	4.2	4.2	4.5	4.5	47	68	210	470	225
215-4	375	4.4	4.4	4.7	4.7	48	70	215	470	225
220-4	390	4.6	4.6	4.9	4.9	49	72	220	470	225
225-4	405	4.8	4.8	5.1	5.1	50	74	225	470	225
230-4	420	5.0	5.0	5.3	5.3	51	76	230	470	225
235-4	435	5.2	5.2	5.5	5.5	52	78	235	470	225
240-4	450	5.4	5.4	5.7	5.7	53	80	240	470	225
245-4	465	5.6	5.6	5.9	5.9	54	82	245	470	225
250-4	480	5.8	5.8	6.1	6.1	55	84	250	470	225
255-4	495	6.0	6.0	6.3	6.3	56	86	255	470	225
260-4	510	6.2	6.2	6.5	6.5	57	88	260	470	225
265-4	525	6.4	6.4	6.7	6.7	58	90	265	470	225
270-4	540	6.6	6.6	6.9	6.9	59	92	270	470	225
275-4	555	6.8	6.8	7.1	7.1	60	94	275	470	225
280-4	570	7.0	7.0	7.3	7.3	61	96	280	470	225
285-4	585	7.2	7.2	7.5	7.5	62	98	285	470	225
290-4	600	7.4	7.4	7.7	7.7	63	100	290	470	225

With air cooling of max. speed (Data for the cooling mode). The capacities are accordingly to the EUROVENT standards and UNI EN 1282 COOLING: Room temperature 27°C d.b., 19°C w.b. - Water temperature 12°C
HEATING: Room temperature 21°C - Water inlet temperature 50°C and water 55°C
* The sound pressure levels are 0.5dB(A) lower than the sound power levels and apply to the maximum field of a 300 m³ room and a reverberation time of 0.5 sec.



E-COM 01005 Manufacturer reserves the right to change specifications without prior notice



Options / Accessories

Compatibility table / Codes

Models	YFCN			
Versions	VC/VCB mod. - Vertical with casing	HC mod. - Horizontal with casing	CD mod. - Without casing	
Controls for single VC (supplied with separate packaging)				
Three speed control B *	900113	-	-	-
Three speed control + electronic thermostat and 0.5kW water 50°C **	900140	-	-	-
Three speed control + electronic thermostat and 0.5kW water 50°C ***	900113	-	-	-
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	900113A	-	-	-
Who not remote control with digital electronic board for remote control 0.5kW water 50°C ***	900175	900175	-	-
Who not remote control with digital electronic board for remote control 0.5kW water 50°C ***	900175A	900175A	-	-
Who not remote control with digital electronic board for remote control 0.5kW water 50°C ***	900175B	900175B	-	-
Controls for single HC/CD (supplied with separate packaging)				
Three speed control B *	-	900154	900154	900154
Three speed control + electronic thermostat and 0.5kW water 50°C **	-	900154	900154	900154
Three speed control + electronic thermostat and 0.5kW water 50°C ***	-	900154	900154	900154
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	-	900171	900171	900171
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	-	900172	900172	900172
Who not remote control with digital electronic board for remote control 0.5kW water 50°C ***	-	900175	900175	900175
Who not remote control with digital electronic board for remote control 0.5kW water 50°C ***	-	900175B	900175B	900175B
Controls for all versions (supplied with separate packaging)				
Low temperature cut-off TR for controls VC, HC, CD, VC/CD, HC/CD	900101	900101	900101	900101
Low temperature cut-off TR for controls VC, HC, CD, VC/CD, HC/CD	900104	900104	900104	900104
Change over to 20°C water 50°C	900104	900104	900104	900104
Reversing speed selector for controlled carbon board (max 20°C)	900116	900116	900116	900116
Reversing speed selector for controlled carbon board (max 20°C) (20°C)	900117	900117	900117	900117
Reversing speed for controlled carbon board (max 20°C)	900119	900119	900119	900119
Digital remote control up to 60 terminals (max)	907910	907910	907910	907910
Controls for single VC + additional electric resistance (supplied with separate packaging)				
Three speed control B *	900301	-	-	-
Three speed control + electronic thermostat and 0.5kW water 50°C **	900301	-	-	-
Three speed control + electronic thermostat and 0.5kW water 50°C ***	900302	-	-	-
Three speed control + electronic thermostat and 0.5kW water 50°C ***	900303	-	-	-
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	900304	-	-	-
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	900305	-	-	-
Controls for single HC/CD + additional electric resistance (supplied with separate packaging)				
Three speed control B *	900302	900302	900302	900302
Three speed control + electronic thermostat and 0.5kW water 50°C **	900302	900302	900302	900302
Three speed control + electronic thermostat and 0.5kW water 50°C ***	900303	900303	900303	900303
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	900304	900304	900304	900304
Automatic speed control with electronic thermostat and 0.5kW water 50°C ***	900305	900305	900305	900305

* Not to be used with valves and/or low temperature cut-out
** Not to be used with valves and/or low temperature cut-out
*** Not to be used with valves and/or low temperature cut-out. The Winter/Summer switch is manual/automatic in accordance to the position of the Jumper
**** Not to be used with valves and/or low temperature cut-out



