Cassette fancoils

Maximum space efficiency by installation in a suspended ceiling.

Four-way air distribution and a wide range of blade adjustment angles ensure even air distribution.

Air flow:
180–2380 m³/h

Cooling capacity:
1.1–12.6 kW

Key features

- Highly efficient condensate drainage system with a pump that lifts water up to 600 mm.
- Stylish and elegant design for any interior.
- Highly efficient synthetic fiber filter that is easy to clean and ensures much cleaner air flow.
- High energy efficiency is ensured by the advanced design of the heat exchanger.
- The new radial fan design is pressure-resistant and low-noise.

Cassette fancoils with AC motor, two-pipe

Specification	Standard size		20	30	40	50	60	80	100	120	140
Air flow	High	m^3/h	340	510	680	850	1020	1360	1700	2040	2380
	Medium	m^3/h	280	390	520	640	790	1030	1290	1500	1800
	Low	m^3/h	180	260	350	430	520	690	860	1032	1200
Total cooling capacity [kW]	High		2.00	2.70	3.70	5.00	5.60	7.10	9.10	11.00	12.60
	Medium		1.50	2.50	3.40	3.90	4.70	6.30	8.00	9.60	11.10
	Low		1.10	2.10	2.80	3.20	3.70	4.20	5.40	8.00	8.70
Apparent cooling capacity [kW]	High		1.60	2.10	2.70	3.60	4.30	5.10	6.70	8.10	9.50
	Medium		1.10	1.90	2.60	2.90	3.50	4.70	6.00	7.20	8.30
	Low		0.90	1.60	2.20	2.60	3.00	3.40	4.30	6.40	7.00
Heating capacity [kW]	High		2.80	4.20	5.60	7.00	8.40	11.20	13.90	16.70	19.50
	Medium		2.24	3.12	4.16	5.12	6.32	8.24	10.32	12.00	14.40
	Low		1.44	2.08	2.80	3.44	4.16	5.52	6.88	8.26	9.60
Input power	W		37	52	62	76	96	132	152	189	220
Starting current	A		0.16	0.23	0.27	0.34	0.43	0.59	0.67	0.84	0.98
Noise level	dBA - High/Med/Low		38/35/30	39/36/32	42/38/35	44/41/37	45/42/39	47/44/41	49/46/42	51/47/53	53/48/44
Water flow	kg/h		345	520	640	860	970	1260	1710	1920	2210
	l/s		0.096	0.144	0.178	0.239	0.269	0.350	0.475	0.533	0.614
Hydraulic pressure	kPa		7	9	11	16	18	19	17	19	22
Fan type	-		Radial fan								
Motor	Type		Asynchronous								
	Protection class		B								
	Power supply (V/Ph/Hz)		220~230 V/ 1 ph								
	Power consumption [W]		28	43	53	67	97	123	143	180	210
Heat exchanger	Type		Copper pipes with aluminum fins								
	No. of coils		2								
	Max. running pressure		1.4 MPa								
Water inlet/outlet	-		3/4" F								
Drain hole	-		Φ25								
Dimensions W/L/H [mm]	Casing		580*580*250	580*580*250	580*580*250	710*710*290	710*710*290	710*710*290	811*811*290	811*811*290	811*811*290
	Panel		680*680*30	680*680*30	680*680*30	800*800*30	800*800*30	800*800*30	950*950*30	950*950*30	950*950*30
Packaging dimensions W/L/H [mm]	Casing		675*675*270	675*675*270	675*675*270	823*823*345	823*823*345	823*823*345	943*943*345	943*943*345	943*943*345
	Panel		740*740*75	740*740*75	740*740*75	858*858*93	858*858*93	858*858*93	1008*1008*93	1008*1008*93	1008*1008*93
Net weight [kg]	Casing		22.5	22.5	23.5	28	29	29	36	38	38
	Panel		2.5	2.5	2.5	4	4	4	5	5	5
Gross weight [kg]	Casing		23.8	23.8	23.8	29.6	30.6	30.6	38	40	40
	Panel		3.5	3.5	3.5	5.3	5.3	5.3	5.6	5.6	5.6

Note:

1. Nominal test conditions:
   Cooling: inlet air temperature 27 °C CT/19.5 °C BT; inlet water temperature 7 °C, outlet temperature 12 °C.
   Heating: inlet air temperature 21 °C; inlet water temperature 60 °C, same water flow as for cooling.
2. Sound pressure was measured in an acoustic chamber, with the measuring point located 1.5 meters below the vertical center line of the unit.

Cassette fancoils with AC motor, two-pipe (3+1)

Specification	Standard size		40	50	60	80	100	120	140
Air flow	High	m^3/h	680	850	1020	1360	1700	2040	2380
	Medium	m^3/h	570	648	770	1050	1350	1600	1850
	Low	m^3/h	468	530	600	700	900	1330	1450
Total cooling capacity [kW]	High		2.40	3.10	3.60	4.80	6.00	7.80	8.45
	Medium		2.20	2.50	2.80	3.80	5.00	5.90	6.80
	Low		1.80	2.10	2.20	2.60	3.30	4.90	5.40
Apparent cooling capacity [kW]	High		1.68	2.17	2.52	3.36	4.20	5.46	5.92
	Medium		1.65	1.88	2.10	2.85	3.75	4.43	5.10
	Low		1.50	1.68	1.76	2.08	2.64	3.92	4.32
Heating capacity [kW]	High		3.25	4.05	4.90	6.30	8.10	8.30	11.35
	Medium		2.50	3.10	3.75	5.00	6.25	6.40	8.73
	Low		1.90	2.40	2.90	4.00	4.80	4.95	6.70
Input power	W		60	76	90	132	152	189	220
Starting current	A		0.27	0.34	0.4	0.59	0.67	0.84	0.98
Noise level	dBA - High/Med/Low		42/38/35	44/41/37	45/42/39	47/44/41	49/46/42	51/47/43	53/48/44
Water flow	kg/h		413/280	533/348	620/421	825/542	1030/696	1200/714	1450/970
	l/s		0.115/0.078	0.148/0.096	0.172/0.116	0.229/0.151	0.286/0.193	0.333/0.198	0.403/0.269
Hydraulic pressure	kPa		9.7/0.63	23.7/1.5	25.4/1.81	26.8/2.43	23.5/6.31	25.4/7.61	28.5/8.90
Fan type	-		Radial fan						
Motor	Type		Asynchronous						
	Protection class		B						
	Power supply (V/Ph/Hz)		220~230 V/ 1 ph / 50-60 Hz						
	Power consumption [W]		53	67	97	123	143	180	210
Heat exchanger	Type		Copper pipes with aluminum fins						
	No. of coils		2						
	Max. running pressure		1.4 MPa						
Water inlet/outlet	-		3/4" F						
Drain hole	-		Φ25						
Dimensions W/L/H [mm]	Casing		581*581*290	710*710*290	710*710*290	710*710*290	811*811*290	811*811*290	811*811*290
	Panel		680*680*30	800*800*30	800*800*30	800*800*30	950*950*30	950*950*30	950*950*30
Packaging dimensions W/L/H [mm]	Casing		675*675*310	823*823*345	823*823*345	823*823*345	823*823*345	823*823*345	823*823*345
	Panel		740*740*75	858*858*93	858*858*93	858*858*93	1008*1008*93	1008*1008*93	1008*1008*93
Net weight [kg]	Casing		24.1	28.6	29.6	29.6	36.6	38.6	38.6
	Panel		2.5	4	4	4	5	5	5
Gross weight [kg]	Casing		25.6	30.2	31.2	31.2	38.6	40.6	40.6
	Panel		3.7	5.3	5.3	5.3	5.6	5.6	5.6

Note:

1. Nominal test conditions:
   Cooling: inlet air temperature 27 °C CT/19.5 °C BT; inlet water temperature 7 °C, outlet temperature 12 °C.
   Heating: inlet air temperature 21 °C; inlet water temperature 60 °C, same water flow as for cooling.
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