



Cassette units 600 x 600 mm AC motors type LIGHT-600x600

EUROVENT certified fan coil; cassette unit for ceiling mounting 600 x 600 mm, for cooling and/or heating of water

Brand

- Ventilclima

Application

- For cooling and/or heating by water of hotels, hospitals, shops, offices,...

Composition

- Galvanised steel, with thermo-acoustic isolation
- Hooks in corners for easy mounting in ceiling
- Condensate pump (Prevalence is 650 mm)
- One phase electrical motor with overload cutout, 3 speeds
- Air filter is attached on the inside of the louvre
- The exchangers are made of copper tubes with female fittings
- Also available ECM model with EC motor

Options

Louvre/valves/controller have to be ordered separately

- 2-pipe (LIGHT 6x) or 4-pipe (LIGHT 8x)
- With infrared controller or wall mounted controller
- Premounted internal valves
- Electrical resistance (E)
- Input of fresh air
- ON/OFF or modulating motor 230 or 24V on the valves
- Eurovent certificated hygiene units available on demand
- Also available ECM model with EC motor

Accessories

- Decoration panel, type **LIGHT-PANEL-600x600**: to be ordered separately!
 - In metal (MET) or plastic (ABS)
 - Manual (M), motorized (A) or fixed (F) louvers
 - Thermostat (NC) or infrared controller (RC)
 - Thermostat, type **I-10 / I-20 / I-50 / I-60 / I-70** (to be ordered separately)
- Infrared controller, type **LIGHT-IR**
- **Auxiliary drain pan always supplied included (not installed)**
- The decorative panel must be ordered separately

Order example

LIGHT-ECM-63-RC-E

Explication

LIGHT-ECM = Cassette with EC motor

63 = Size

RC = With infrared controller

NC = Wall thermostat

E = Electric resistance

(**83C** and **84C** have more cooling capacity than **83** and **84** due to more efficient battery)

Specifications							
LIGHT-600 x 600 - 2 pipes (LIGHT 6x)							
			61	62	63	64	65
Cooling capacity 7/12°C *	[W]	max	2223	2667	4247	4975	5381
	[W]	med	1835	2433	3047	3648	4655
	[W]	min	1556	1944	2144	2697	3967
Water flow	[l/h]	max	390	465	739	867	939
	[l/h]	med	321	424	530	635	812
	[l/h]	min	271	338	372	468	691
Water pressure drop	[kPa]	max	20	16	24	24	30
	[kPa]	med	14	14	18	18	24
	[kPa]	min	11	10	11	16	18
Heating capacity 45/40°C *	[W]	max	2340	2620	4080	4910	5420
	[W]	med	1920	2370	2930	3440	4930
	[W]	min	1590	1910	2090	2580	4090
Water pressure drop	[kPa]	max	20.9	15.5	18.5	22.8	29.6
	[kPa]	med	14.2	12.5	16.2	18	25.7
	[kPa]	min	10.5	8.9	9.7	15.3	19.2
Heating capacity 50°C *	[W]	max	2800	3150	4910	5900	6500
	[W]	med	2300	2850	3522	4150	5900
	[W]	min	1900	2300	2510	3100	4900
Water pressure drop	[kPa]	max	19	16	19	23.1	29
	[kPa]	med	13	13	17	19.8	23
	[kPa]	min	10	9	10	16.5	18
Sound power level	[dB(A)]	max	46	44	52	60	62
	[dB(A)]	med	39	41	44	49	59
	[dB(A)]	min	33	34	34	39	56
Sound pressure level	[dB(A)]	max	37	35	43	51	53
	[dB(A)]	med	30	32	35	40	50
	[dB(A)]	min	24	25	25	30	47
Air flow	[m³/h]	max	367	398	550	660	760
	[m³/h]	med	295	355	398	468	660
	[m³/h]	min	225	269	269	328	550
Net weight	[kg]	net	20	21	23	23	24
Asynchronous motor							
Motor fan absorbed power	[W]	max	48	43	63	75	89
Motor fan absorbed current	[A]	max	0,22	0,19	0,28	0,33	0,39
EC-motor (LIGHT-ECM)							
Motor fan absorbed power	[W]	max	12	11,2	25,5	40	58
Motor fan absorbed current	[A]	max	0,11	0,11	0,22	0,33	0,47
Electrical heating (LIGHT-E)							
Heating power output	[W]		1500	1500	2500	2500	2500
Heating power input	[W]		230	230	230	230	230

* The cooling capacity/ heating capacity are realised under the following EUROVENT conditions
(Cooling) Temp. Int.: 27°C D.B./19°C W.B. - Water: 7°C in /12°C out
(Heating) Temp. Int.: 20°C D.B. - Water : 45°C in /40°C out
(Heating) Temp. Int.: 20°C D.B. - Water : 50°C in
The sound power level test has been performed according to EN 16583:2015 standard (n.a. = Non available)

Specifications				LIGHT-600 x 600 - 4 pipes (LIGHT 8x)					
				81	82	83	83C	84	84C
Cooling capacity*	[W]	max		2303	2707	3337	3827	3825	4395
	[W]	med		1905	2373	2507	2957	3048	3408
	[W]	min		1606	1864	1884	1974	2367	2627
Water flow	[l/h]	max		403	472	584	668	669	767
	[l/h]	med		333	414	438	515	532	594
	[l/h]	min		280	324	328	343	412	456
Water pressure drop	[kPa]	max		18	14	17	32.3	21	28
	[kPa]	med		15	12	14	28	17	22
	[kPa]	min		10	10	10	22	12	17
Heating capacity*	[W]	max		2690	3070	3900	2890	4380	3250
	[W]	med		2300	2680	3070	2340	3510	2610
	[W]	min		1780	2150	2150	1680	2760	2100
Water pressure drop	[kPa]	max		12	20	43	18	41	21
	[kPa]	med		11	16	35	15	35	19
	[kPa]	min		9	12	21	11	22	13
Sound power level	[dB(A)]	max		46	47	52	52	58	58
	[dB(A)]	med		39	41	44	44	49	51
	[dB(A)]	min		33	37	34	37	39	44
Sound pressure level	[dB(A)]	max		37	38	43	43	49	49
	[dB(A)]	med		30	32	35	35	40	42
	[dB(A)]	min		24	28	25	28	30	35
Air flow	[m³/h]	max		367	398	550	550	660	660
	[m³/h]	med		295	355	398	398	468	468
	[m³/h]	min		224	269	269	269	328	328
Net weight	[kg]	net		23	24	24	24	24	24
Asynchronous motor									
Motor fan absorbed power	[W]	max		47	43	63	63	75	75
Motor fan absorbed current	[A]	max		0,22	0,19	0,28	0,28	0,33	0,33
EC-motor (LIGHT-ECM)									
Motor fan absorbed power	[W]	max		12	12	25	29	38	44
Motor fan absorbed current	[A]	max		0,16	0,16	0,28	0,31	0,36	0,42
Moteur EC (LIGHT-ECM)									
Heating power output	[W]			n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Heating power input	[W]			n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

* The cooling capacity/ heating capacity are realised under the following EUROVENT conditions
(Cooling) Temp. Int.: 27°C D.B./19°C W.B. - Water: 7°C in /12°C out
(Heating) Temp. Int.: 20°C D.B. - Water : 65°C in /55°C out
The sound power level test has been performed according to EN 16583:2015 standard (n.a. = Non available)

