



PCGH-3R

4-Way Cassette

Sizes: **5 sizes**
Models: **2-pipe · 4-pipe**
Cooling: **1.3 - 15 kW**
Heating: **1.5 - 15.5 kW**
Air Flow: **200 - 2750 m3/h**



Download IOMs & Revits
SCAN QR CODE



Model shown: PCGH-3R · size 08

Powerful cooling with one of the highest capacities on the market and a “plug & play” control box.
Customization options¹: casing color, tropicalization, and more.



PANEL (BOTTOM)



TOP



SIDE



SIDE

Project Applications & References



Healthcare: Hospitals · Clinics · Nursing Homes · Treatment Centers · Laboratories · Morgues



Educational: Academies · Schools · Universities · Colleges · Libraries · Campus Buildings



Commercial: Supermarkets · Stores · Shopping Malls · Gyms/Sports Facilities · Museums/Theaters · Airports



Business: Offices · Data Server Rooms · Banks · Call Centers · Showrooms



McClure Library

2024 · USA (Alabama)
Educational (Library)

Retrofit
EC motor
Open Reading Spaces & Offices



Rolleston College

2025 · New Zealand
Educational (College)

New construction
EC motor
Classrooms & Offices



Key Features & Components



High cooling and heating capacity (up to 15 kW) that's ideal for healthcare and commercial spaces.



Adjustable louvers only available with I-Type Control.



Direct front panel access for quick installation, saving time and costs.



Quiet operation with a sound pressure level ² from 26 dBA.



Ideal for low temperature heat sources like **solar thermal collectors and heat pumps**.



Integrated Sauer mann condensate drain pump with **nominal 1200mm (47") rated lift**.



4-way air distribution ensures uniform airflow for consistent comfort.



Energy-efficient 0-10 VDC EC motor (**up to 30% energy savings** compared to AC motors).



Copper tubes/headers, mechanically expanded into corrugated aluminum fins tested up to 35-bar ³.



Ready to install package:

Infrared Handset ⁵, internal + external drain pan, 5 mm (0.2") NBR insulation, integrated Sauer mann condensate pump + float switch, manual air vent + water purge valve and G2 (MERV 4) filter.

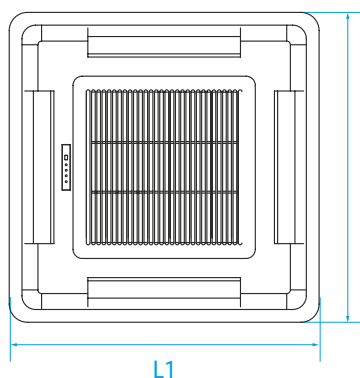
Optional Accessories

- **I-Type Controllers:** Infrared Handset, Wired Wallpad
- **Valves:** pre-assembled **HYDRIC+VALVE KIT** ⁴
- **Filter:** G4 (MERV 8)
- **Electric heater:** up to 4 kW
- **Ducts:** ABS branch duct flange
- **Flanges:** ABS fresh air intake (**up to 30%**) for sensitive spaces where IAQ is important
- **Integrated transformer:** converts from 230V-115V to 24V for valve and thermostat compatibility
- **Disconnect switch:** integrated in control box
- **Customization:** available upon request ¹

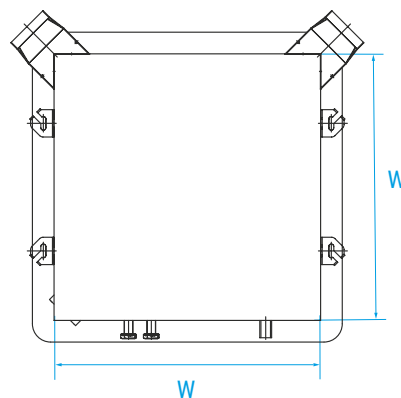
Dimensions, Weights & Drawings

PCGH-3R SIZES*			04	08	12	20	24
Unit Dimensions	L	mm ["]	582 [22 15/16]	582 [22 15/16]	730 [28 3/4]	830 [32 11/16]	960 [37 13/16]
	W	mm ["]	582 [22 15/16]	582 [22 15/16]	730 [28 3/4]	830 [32 11/16]	960 [37 13/16]
	H	mm ["]	255 [10 1/16]	290 [11 7/16]	260 [10 1/4]	290 [11 7/16]	290 [11 7/16]
Panel Dimensions	L1	mm ["]	680 [26 3/4]	680 [26 3/4]	830 [32 11/16]	980 [38 9/16]	1140 [44 7/8]
	H1	mm ["]	28 [1 1/8]	28 [1 1/8]	28 [1 1/8]	28 [1 1/8]	28 [1 1/8]
Net Weight	kg [lbs]		28 [62]	30 [66]	36 [79]	50 [110]	54 [119]

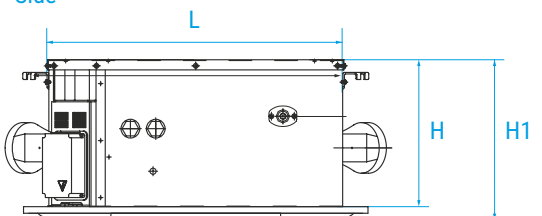
Panel (Bottom)



Unit (Top)



Side



(1) Minimum order quantities apply. (2) Sound pressure level measured at 1m distance in a reverberation test room with a minimum volume at 200m³. (3) Tested between 25-35 bar with a max operating limit of 16-bar. (4) HYDRIC+ VALVE KIT includes 2/3-way body valve, on-off/modulating actuator (24V or 110-240V), BSPT or NPT connectors, connection piping kit, 2x shut-off valves, strainer and manual balancing valve. (5) Only available with I-Type control. (*) Indicated dimensions approximate within 5 mm or 1/16 ". Weights approximate within 1 kg (2.2 lbs).

PCGH-3R 4-Way Cassette

Technical Specifications

Hydronic 4-Way Cassette, 2-pipe with EC Motor

UNIT GENERAL SPECS	PCGH-3R-[SIZE]-V-EC			04	08	12	20B	24
	Configuration			2-pipe				
	Number of Fan Blowers			1				
	Power Supply (V/Ph/Hz)			208-240/1/50-60				
	Water Connections	Type		BSPT (Threaded Female)				
		In/Out	mm ["]	19.05 [3/4]				
	Condensate Drainage		mm ["]	25.4 [1]				
AIR	Total Air Flow	H	m3/h	575	810	1300	2040	2750
		M		380	722	1050	1600	2540
		L		200	200	360	820	1020
COOLING	Total Cooling Capacity ^E	H	kW	3.6	5.5	7.2	11.1	15.0
		M		2.6	5.1	6.2	9.3	14.2
		L		1.6	1.8	2.6	5.5	6.9
	Sensible Cooling Capacity ^E	H	kW	2.5	3.9	5.1	7.9	10.7
		M		1.8	3.5	4.4	6.5	10.1
		L		1.1	1.3	1.8	3.8	4.7
HEATING	Total Heating Capacity ^E	H	kW	3.5	5.5	7.1	11.1	14.8
		M		2.5	5.0	6.0	9.3	13.9
		L		1.5	1.6	2.6	7.0	6.9
	Recommended Electric Heater Capacity		kW	1.0	2.0	3.0	4.0	4.0
SOUND *	Pressure Level H/M/L		dBA	43/39/30	50/47/26	56/53/32	57/53/34	64/61/41
	Power Level H/M/L ^E			52/48/36	59/56/35	65/62/41	67/63/44	73/70/50
ELECTRICAL	Power Input ^{E1}	H	W	21	47	82	140	220
		M		15	35	67	100	178
		L		11	11	16	27	50
	Running Current ² (H)		A	0.2	0.4	0.7	1.2	1.9
HYDRONIC	Cooling Water Flow Rate	H	L/h	619	940	1238	1907	2571
		M		452	868	1057	1591	2440
		L		276	315	453	950	1188
	Cooling Pressure Drop ^E	H	kPa	47.4	61.2	64.0	60.0	73.2
		M		26.9	53.0	48.1	43.1	66.6
		L		11.1	8.5	10.5	17.1	18.2
	Heating Water Flow Rate	H	L/h	596	813	1210	1903	2545
		M		434	859	1033	1591	2384
		L		262	273	452	951	1182
	Heating Pressure Drop ^E	H	kPa	36.3	40.2	40.6	44.2	54.0
		M		20.5	34.5	30.5	32.1	48.0
		L		6.6	5.6	9.4	13.6	10.1
Water Content		L	1.3	1.6	1.8	2.4	3.0	

Eurovent Certita Testing Conditions:

Cooling mode: Return Air Temperature 27°C DB/19°C WB

Inlet/Outlet water temperature: 7°C/12°C

Heating mode (2-pipe): Return Air Temperature 20°C

Inlet/Outlet water temperature: 45°C/40°C

For non-standard conditions (i.e. high ΔT) please refer to PASELECT Software. (E) Specifications follow Eurovent test data (according to EN 1397:2021) for the year of publication. Please visit www.eurovent-certification.com for further information.

(1) Rated power input includes fan motor and PCB. (2) Data on apparent electrical current. (*) Sound pressure level measured at 1m distance in a reverberation test room with a minimum volume at 200m³. Sound power level performed and tested according to EN 16583:2022. Range: H=High, M=Medium, L=Low.



Technical Specifications

Hydronic 4-Way Cassette, 4-pipe with EC Motor

UNIT GENERAL SPECS	PCGH-3R-[SIZE]-P-EC			04	08	12	20	24B
	Configuration			4-pipe				
	Number of Fan Blowers			1				
	Power Supply (V/Ph/Hz)			208-240/1/50-60				
	Water Connections	Type		BSPT (Threaded Female)				
		In/Out	mm ["]	19.05 [3/4]				
	Condensate Drainage		mm ["]	25.4 [1]				
AIR	Total Air Flow	H	m3/h	575	810	1300	2040	2750
		M		380	722	1050	1600	2540
		L		200	200	360	820	1020
COOLING	Total Cooling Capacity ^E	H	kW	2.8	3.8	5.5	8.4	12.4
		M		2.1	3.6	4.7	7.0	11.8
		L		1.3	1.3	2.0	4.2	5.7
	Sensible Cooling Capacity ^E	H	kW	2.0	2.7	4.0	6.1	9.1
		M		1.5	2.5	3.4	5.0	8.6
		L		0.9	0.9	1.4	2.9	4.0
HEATING	Total Heating Capacity ^E	H	kW	3.9	5.2	7.5	11.6	15.5
		M		2.8	4.8	6.4	9.7	14.6
		L		1.7	1.7	2.8	5.8	7.2
SOUND *	Pressure Level H/M/L		dBA	43/39/27	50/40/26	56/53/32	58/53/37	58/54/41
	Power Level H/M/L ^E			52/48/36	59/56/35	65/62/41	67/63/44	73/70/50
ELECTRICAL	Power Input ^{E1}	H	W	21	47	82	140	220
		M		15	32	67	100	178
		L		11	11	16	27	50
	Running Current ² (H)		A	0.2	0.4	0.7	1.2	1.9
HYDRONIC	Cooling Water Flow Rate	H	L/h	488	660	945	1440	2132
		M		357	609	807	1201	2024
		L		218	221	346	718	986
	Cooling Pressure Drop ^E	H	kPa	68.8	42.3	50.0	35.6	62.9
		M		39.1	36.6	37.6	25.7	57.2
		L		16.1	5.9	8.2	10.2	15.7
	Heating Water Flow Rate	H	L/h	330	446	645	991	1332
		M		241	410	550	829	1247
		L		145	150	241	495	619
	Heating Pressure Drop ^E	H	kPa	28.3	26.8	52.0	67.2	33.7
		M		16.0	23.0	39.1	48.7	30.0
		L		6.5	3.7	8.8	19.3	8.5
	Water Content (Cooling)		L	0.8	1.0	1.2	1.6	2.0
	Water Content (Heating)			0.4	0.5	0.6	0.8	1.0

Eurovent Certita Testing Conditions:

Cooling mode: Return Air Temperature 27°C DB/19°C WB

Inlet/Outlet water temperature: 7°C/12°C

Heating mode (4-pipe): Return Air Temperature 20°C

Inlet/Outlet water temperature: 65°C/55°C

For non-standard conditions (i.e. high ΔT) please refer to PASELECT Software. (E) Specifications follow Eurovent test data (according to EN 1397:2021) for the year of publication. Please visit www.eurovent-certification.com for further information.

(1) Rated power input includes fan motor and PCB. (2) Data on apparent electrical current. (*) Sound pressure level measured at 1m distance in a reverberation test room with a minimum volume at 200m³. Sound power level performed and tested according to EN 16583:2022. Range: H=High, M=Medium, L=Low.

