

Water condensed water chillers

ISO 9001-2015
certified Quality Management System



Main features

- Stainless steel circulation pump.
- Tank equipped with top-up system and sight level.
- High performance rotary vane or scroll compressors with low energy consumption.
- Electronic microprocessor thermoregulator for fluid temperature control and display.
- Chiller malfunction signal display (optional features in single-phase models).
- High efficiency heat exchangers.
- Bypass on the hydraulic circuit.
- Protective metal frame made of S235 steel painted with epoxy powder and with a semi-gloss textured effect.
- Eco-friendly refrigerant gas (HFC).
- Remote malfunction signal of the chiller.

Accessories

- Stainless steel circulation pumps (when not included) and high head.
- Differential electronic thermoregulator equipped with a tenth of a degree resolution ambient sensor.
- Water flow switches with with volt-free contact; gives tension in the event of a fault.
- Pressure gauges on the hydraulic circuit and/or the chiller circuit.
- Automatic bypass valve of the hydraulic circuit.
- Caster wheels.
- Electric connectors upon client's request.
- PID control for an improved fluid temperature control, with electronic thermoregulator equipped with Autotuning settings.
- Special power supply voltages.
- Configuration for an ambient temperature down to -15°C.
- Frame available upon request in every type of RAL finish and in polished stainless steel (available on the WCW-MP 350 model).
- Hydraulic section made up of check valve on fluid outflow, non-return electric valve and water filter to protect the electric valve.
- Washable water filter installed externally on the chiller outlet.
- Automatic water filling system in the tank.

- Non-polluting hydraulic circulation with special fittings, resistant to every type of liquid.
- Hydraulic fittings for food use.

Thanks to a wide range of models and accessories, the WCW range is able to offer strongly personalized solutions aimed at Euro Cold chillers' specific industrial application needs.

The skills and the experience gained by Euro Cold during its over 30 years of experience in the field are at your disposal. Our power is our ability to respond to the needs of mechanical and industrial systems' manufacturers which are rapidly and constantly changing. Do not hesitate to contact us in order that we may provide you with the most adequate solution to your specific temperature control needs.

Technical data

MODEL	WCW-LP		
	25	45	60
Nominal cooling capacity (a) W	3460	5300	8150
Nominal cooling capacity (b) W	3030	4300	6320
Power supply	230V / 1ph / 50Hz		400V / 3ph / 50Hz
Compressor (Max. absorbed power) W	1420	2140	3575
Condenser	AISI 316 brazed plate, complete with pressure valve and protection filter		
Mains water (minimum flow rate) (e) l/min	14	22	34
Evaporator	Submerged type (copper/aluminium)		
Electronic thermoregulator	Setting range from +15 to +27°C		
Flow rate l/min	12 - 42		13 - 72
Pump (c) Head bar	2.8 - 1.2		2.7 - 1.2
Max. Absorbed power W	534	335	650
Thermoplastic tank (nom. Capacity) l	14	23	65
Refrigerant gas HFC	R407C		
Noise level (at 1 m distance) db (A)	64		70
Frame colour	RAL 7035		
Frame type	WCW ECP1-B	WCW ECP2-B	WCW ECP3-B

Technical drawing available in the **DOWNLOAD** area of our Web site

Weight & dimensions

Empty weight (approx.) kg	60	70	100
Packaging weight (approx.) kg	65	80	110
Dimensions (W x D x H) mm	450 x 470 x 990	570 x 520 x 1080	670 x 660 x 1180
Packaging dimensions (L x P x A) (d) mm	755 x 630 x 1200	755 x 630 x 1200	1020 x 800 x 1580

Notes

(a) Reference values: outlet water at +22°C, mains water +32°C

Maximum temperature of inlet fluid: +37°C

(b) Reference values: output water at +10°C, mains water +32°C

(c) Flow rate referred to pure water

(d) Standard packaging: cardboard box placed on pallet

Cooling capacity data is based on graphs supplied by the compressor manufacturers

Maximum and minimum ambient temperature: from +10 to +55°C

For mains water temperature above +35°C and for the use of antifreeze please contact our Technical Department

The mains water pressure delta between inlet and outlet must be at least 2 bar. The maximum absolute pressure must not exceed 10 bar.

Minimum and maximum ambient relative humidity (without condensation): from 10 to 85%

Maximum ambient altitude: 2000 m

Minimum and maximum stocking temperature: from +5 to +55°C

Hydraulic connections: see technical drawings available in the **DOWNLOAD** area of our website

All measures on technical drawings are in millimetres unless otherwise specified

EURO COLD reserves the right to carry out modifications without prior notice.

Technical data

MODEL	WCW-MP				
	95	160	200	300	350
Nominal cooling capacity (a) W	12440	20250	24880	32550	37920
Nominal cooling capacity (b) W	9310	15230	17510	22940	29130
Power supply	400V / 3ph / 50Hz				
Compressor (Max. absorbed power) W	5302	6886	8140	10681	15961
Condenser	AISI 316 brazed plate, complete with pressure valve and protection filter				
Mains water (minimum flow rate) (e) l/min	52	84	104	135	158
Evaporator	Submerged type (copper/aluminium)		Brazed plates	Submerged type (copper/aluminium)	
Electronic thermoregulator	Setting range from +15 to +27°C				
Flow rate l/min	22 - 105		50 - 250		
Pump (c) Head bar	2.7 - 1.5	3.7 - 2	3 - 1.3		
Max. Absorbed power W	930	1280	1780		
Thermoplastic tank (nom. Capacity) l	65			160	
Refrigerant gas HFC	R407C				
Noise level (at 1 m distance) db (A)	70				
Frame colour	RAL 7035				
Frame type	WCW D2-1C	WCW D2-2C		WCW D3-2C	

Technical drawing available in the **DOWNLOAD** area of our Web site

Weight & dimensions

Empty weight (approx.) kg	190	340
Packaging weight (approx.) kg	200	360
Dimensions (W x D x H) mm	750 x 786 x 1230	750 x 1410 x 1230
Packaging dimensions (L x P x A) (d) mm	1000 x 800 x 1580	850 x 1595 x 1580

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