

Air condensed water chillers

ISO 9001:2015
certified Quality Management System



Main features

- Bronze / 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 (except for ACW-LPH 12 model and for optional features in other single-phase models).
- High efficiency heat exchangers.
- Low-noise axial fans.
- 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.
- High head and circulation pumps.
- 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.
- Washable water filter installed externally on the chiller outlet.
- Pressure gauges on the hydraulic circuit and/or the chiller circuit.
- Automatic bypass valve of the hydraulic circuit.
- Caster wheels.
- Metal washable air filters for condenser protection.
- 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 up to +55°C.
- Configuration for an ambient temperature down to -15°C.
- Frame available upon request in every type of RAL finish (included in MP-HE models) and polished stainless steel frame (available up to the ACW-MP 350 model included).

- Hydraulic section made up of check valve on fluid outflow, non-return electric valve and water filter to protect the electric valve.
- Electric water level control, with remote alarm.
- 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 ACW 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	ACW-LP					
	12	25	45	60		
Nominal cooling capacity (a)	W	1920	3460	5300	8150	
Nominal cooling capacity (b)	W	1420	3030	4300	6320	
Power supply		230V / 1ph / 50Hz		400V / 3ph / 50Hz		
Compressor (Max. absorbed power)	W	660	1420	2140	3575	
Fan	Air flow	mc/h	1150	1700	2700	4060
	Max. absorbed power	W	70	85	130	180
Condenser		Air condenser (copper/aluminium)				
Evaporator		Submerged type (copper/aluminium)				
Electronic thermoregulator		Setting range from +15 to +27°C				
Pump (c)	Flow rate	l/min	5 - 30	12 - 42	12 - 42	13.3 - 72
	Head	bar	4 - 0.5	2.8 - 1.2	2.8 - 1.2	2.7 - 1.2
	Max. absorbed power	W	640	534	335	650
Thermoplastic tank (nom. capacity)	l	5.5	14	23	65	
Refrigerant gas		R407C				
Noise level (at 1 m distance)	db (A)	55	64	64	70	
Frame colour		RAL 7035				
Frame type		LPH-12	ECP1-B	ECP2-B	ECP3-B	

Technical drawings available in the [DOWNLOAD](#) area of our Web site

Weights & dimensions

Empty weight (approx.)	kg	45	60	70	100
Packaging weight (approx.)	kg	50	65	80	110
Dimensions (W x D x H)	mm	485 x 550 x 375	450 x 470 x 990	570 x 520 x 1080	670 x 660 x 1180
Packaging dimensions (W x D x H) (d)	mm	755 x 630 x 700	755 x 630 x 1150	755 x 630 x 1200	1020 x 800 x 1580

Notes

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

Maximum temperature of inlet fluid: +37°C

(b) Reference values: output water at +10°C, ambient temperature +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 +40°C

For ambient temperature above +40°C and for the use of antifreeze please contact our Technical Department

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	ACW-MP								
	95	160	200	300	350	450	580	620	
Nominal cooling capacity (a) W	12440	20250	24880	32550	37920	50470	67270	81680	
Nominal cooling capacity (b) W	9310	15230	17510	22940	29130	36000	49140	60760	
Power supply	400V / 3ph / 50Hz								
Compressor (Max. absorbed power) W	5302	6886	8140	10681	15961	20520	27310	33110	
Fan	Air flow mc/h	4060	4060	4060	8060	8060	14973	20048	20048
	Max. absorbed power W	180	180	450	2 x 180	2 x 450	2 x 600	2 x 600	2 x 600
Condenser	Air condenser (copper/aluminium)								
Evaporator	Submerged type (copper/aluminium)			Brazed plates	Submerged type (copper)			Brazed plates	
Electronic thermoregulator	Setting range from +15 to +27°C								
Pump (c)	Flow rate l/min	22 - 105		50 - 250			130 - 400		
	Head bar	2.7 - 1.5	3.7 - 2	3 - 1.3			2.8 - 1.7		
	Max. absorbed power W	930	1280	1780			2540		
Thermoplastic tank (nom. capacity) l	65			160			250		
Refrigerant gas	R407C						R410A		
Noise level (at 1 m distance) db (A)	70						74		
Frame colour	RAL 7035						RAL 9002		
Frame type	D2-1C	D2-2C	D2-2C	D3-2C	D3-2C	D4-2V	D4-2V	D4-2V	

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Weights & dimensions

Empty weight (approx.) kg	190	190	190	340	340	400	450	500	
Packaging weight (approx.) kg	200	200	200	360	360	450	500	550	
Dimensions (W x D x H) mm	750 x 790 x 1380			750 x 1410 x 1380			950 x 2000 x 1460		
Packaging dimensions (W x D x H) (d) mm	1020 x 800 x 1580			850 x 1595 x 1580			1100 x 2600 x 1600		

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Technical data

MODEL	ACW-MP-HE					
	780	800	820	880	900	
Nominal cooling capacity (a) W	98280	114819	131358	165512	199488	
Nominal cooling capacity (b) W	82168	96401	110634	139126	167314	
Power supply	400V / 3ph / 50Hz					
Compressor (Max. absorbed power) W	2 x 20520	2 x 27310	2 x 33110	2 x 33110	2 x 41250	
Fan	Air flow mc/h	21379	30913	30913	39890	39890
	Max. absorbed power W	4 x 480	6 x 480	6 x 480	8 x 480	8 x 480
Condenser	Air condenser (copper/aluminium)					
Evaporator	Brazen plates					
Electronic thermoregulator	Setting range from +15 to +27°C					
Pump (c)	Flow rate l/min	133 - 400	0 - 1100	0 - 1100	0 - 1100	0 - 1100
	Head bar	3.2 - 1.3	3.2 - 1.3	3.2 - 1.3	3.7 - 0.8	3.7 - 0.8
	Max. absorbed power W	3000	3000	3000	6600	6600
Thermoplastic tank (nom. capacity) l	500	500	500	500	500	
Refrigerant gas	R410A					
Noise level (at 1 m distance) db (A)	52	54	54	54	54	
Frame colour	RAL 9002					
Frame type	D5-4V	D5-6V	D5-6V	D5-8V	D5-8V	

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

Weights & dimensions

Empty weight (approx.) kg	650	730	730	1055	1085
Packaging weight (approx.) kg	987	1138	1138	1626	1656
Dimensions (W x D x H) mm	1190 x 2090 x 1740	1190 x 2450 x 1740		1190 x 3190 x 1740	
Packaging dimensions (W x D x H) (d) mm	1300 x 2800 x 2300	1300 x 2800 x 2300		1300 x 4000 x 2300	

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