

Oil coolers

ISO 9001:2008 & 10014:2007
certified Quality Management System



Main features

- Available in 8 power ratings.
- Air condensed.
- High performance rotary vane or scroll compressors with low energy consumption.
- Electronic microprocessor thermoregulator for fluid temperature control and display.
- Cooler malfunction signal display (an optional feature in the single-phase models).
- High efficiency plate heat exchangers.
- Low-noise axial fans.
- Protective metal frame made of S235 steel painted with epoxy powder and with a semi-gloss textured effect.
- Eco-friendly refrigerant gas (HFC).
- Standard models without circulation pump and tank, available as optional features upon request.

Accessories

- Screw/gear volumetric pumps, equipped with an electric engine.
- Tank equipped with top-up system and sight level indicator.
- Differential electronic thermoregulator equipped with a tenth of a degree resolution ambient sensor.
- Oil flow switches with fixed settings or settable options and malfunction signal setup.
- Oil filter inlet/outlet with visual and/or electrical clogging indicator.
- Pressure gauges on the hydraulic circuit and/or the cooler circuit.
- Mechanical oil level gauge.
- Caster wheels.
- Air filter cartridge for condenser protection.
- Cooler remote malfunction signal.
- 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 or polished stainless steel.

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

The skills and the experience gained by Euro Cold during its 25 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	ACO-LP				
	25	45	60		
Nominal cooling capacity (*)	W	3460	5300	8150	
Power supply		230V / 1ph / 50Hz	400V / 3ph / 50Hz	400V / 3ph / 50Hz	
Compressor (Max. absorbed power)	W	1350	2141	3420	
Fan	Air flow	mc/h	1700	2700	4060
	Max. absorbed power	W	85	130	220
Condenser		Air condenser (copper/aluminium)			
Evaporator		Brazed plates			
Electronic thermoregulator		Setting range from +25 to +40°C			
Pump (**)	Flow rate	l/min	10	14	25
	Head	bar	10	10	10
	Max. absorbed power	W	607	780	840
Thermoplastic tank (nom. capacity) (**)	l	14	23	65	
Refrigerant gas		R407C			
Noise level (at 1 m distance)	db (A)	64	64	70	
Frame colour		RAL 7035			
Frame type		ECP1-B	ECP2-B	ECP3-B	

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

Weights & dimensions

Empty weight (approx.)	kg	60	70	100
Packaging weight (approx.)	kg	65	80	110
Dimensions (W x D x H)	mm	450 x 462 x 985	562 x 512 x 1073	665 x 655 x 1180
Packaging dimensions (W x D x H) (***)	mm	690 x 590 x 1150	755 x 630 x 1200	1000 x 800 x 1580

Notes

(*) Reference values: inlet oil +30°C, ambient temperature +32°C

(**) Optional feature upon request

(***) Standard packaging: cardboard box placed on pallet

Cooling capacity data is based on ASHRAE graphs supplied by the compressor manufacturers ISO VG 10-68 oil coolers

For cooling different oils, please contact our Engineering Department

Maximum temperature of the inlet fluid: +50°C

Minimum and maximum ambient temperature: from +10 to +40°C

For ambient temperature above +40°C, please contact our Engineering 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 +45°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	ACO-MP						
	95	160	200	300	350		
Nominal cooling capacity (*)	W	12440	20250	24880	32550	37920	
Power supply		400V / 3ph / 50Hz					
Compressor (Max. absorbed power)	W	5302	6886	8140	10681	15961	
Fan	Air flow	mc/h	4060	4060	4060	8060	8060
	Max. absorbed power	W	220	220	200	2 x 220	2 x 220
Condenser		Air condenser (copper/aluminium)					
Evaporator		Brazen plates					
Electronic thermoregulator		Setting range from +25 to +40°C					
Pump (**)	Flow rate	l/min	25	44	75	75	150
	Head	bar	10	10	10	10	10
	Max. absorbed power	W	840	1960	2640	2640	4660
Thermoplastic tank (nom. capacity (**))	l	65	65	65	65	65	
Refrigerant gas		R407C					
Noise level (at 1 m distance)	db (A)	70	70	70	70	70	
Frame colour		RAL 7035					
Frame type		D2-1C	D2-2C	D2-2C	D3-2C	D3-2C	

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

Weights & dimensions

Empty weight (approx.)	kg	190	190	190	340	340
Packaging weight (approx.)	kg	200	200	200	360	360
Dimensions (W x D x H)	mm	750 x 786 x 1380			750 x 1410 x 1380	
Packaging dimensions (W x D x H) (***)	mm	1000 x 800 x 1580			1000 x 1595 x 1580	

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