

ACO

OIL COOLERS



**FLUID
COOLERS**
FOR MACHINE
MANUFACTURERS

ISO 9001:2015
certified Quality
Management System

MADE IN ITALY



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 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.

MAIN FEATURES

- 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 (available up to the ACO-MP 350 model included).



TECHNICAL DATA

		ACO-LP		
MODEL		25	45	60
Nominal cooling capacity (*) W		3460	5300	8150
Power supply		230V / 1ph / 50Hz	400V / 3ph / 50Hz	
Compressor (Max. absorbed power) W		1420	2140	3575
Fan	Air flow mc/h	1700	2700	4060
	Max. absorbed power W	85	130	180
Condenser		Air condenser (copper/aluminium)		
Evaporator		Brazen plates		
Electronic thermoregulator		Setting range from +25 to +40°C		
Pump (**)	Flow rate l/min	10	14	25
	Head bar	10		
	Max. absorbed power W	564	773	912
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 (***)		ECP1-B	ECP2-B	ECP3-B
WEIGHTS & DIMENSIONS				
Empty weight (approx.) kg		80	105	150
Packaging weight (approx.) kg		90	115	170
Dimensions (W x D x H) mm		450 x 470 x 990	570 x 520 x 1080	670 x 660 x 1180
Packaging dimensions (W x D x H) (****) mm		755 x 630 x 1200	755 x 630 x 1200	1020 x 800 x 1580

NOTES

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

(**) Optional feature upon request.

(***) Technical drawings of structures available for download in the DOWNLOAD area of our website.

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

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

ISO VG 10-68 oil coolers. For cooling different oils, please contact our Technical 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 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 +50°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

		ACO-MP				
MODEL		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			8060	
	Max. absorbed power W	180		450	2 x 180	2 x 450
Condenser		Air condenser (copper/aluminium)				
Evaporator		Brazed plates				
Electronic thermoregulator		Setting range from +25 to +40 °C				
Pump (**)	Flow rate l/min	25	44	75		150
	Head bar	10				
	Max. absorbed power W	912	1763	2640		4528
Thermoplastic tank (nom. capacity) (**) l		65				
Refrigerant gas HFC		R407C				
Noise level (at 1 m distance) db (A)		70				
Frame colour		RAL 7035				
Frame type (***)		D2-1C	D2-2C		D3-2C	
WEIGHTS & DIMENSIONS						
Empty weight (approx.) kg		190	200		320	340
Packaging weight (approx.) kg		200	220		340	360
Dimensions (W x D x H) mm		750 x 790 x 1380			750 x 1410 x 1380	
Packaging dimensions (W x D x H) (****) mm		1020 x 800 x 1580			850 x 1595 x 1580	

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