ACO

FLUID COOLERS
FOR MACHINE MANUFACTURERS

MADE IN ITALY

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**	1200	1780	3730
Fan	Air flow	**mc/h**	1850	2700	4060
	Max. absorbed power	**W**	80	130	260
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**	660	780	840
Thermoplastic tank (nom. capacity) **(**)**		**l**	14	23	65
Refrigerant gas			R407C		
Noise level (at 1 m distance)		**db (A)**	55	64	64
Frame colour			RAL 7035		
Frame type			ECP1-B	ECP2-B	ECP3L-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

ACO Oil coolers

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**	4030	5210	6170	8190	12020
Fan	Air flow	**mc/h**	4060	4060	4060	8060	8060
	Max. absorbed power	**W**	260	260	260	2 x 260	2 x 260
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	75	150
	Head	**bar**	10	10	10	10	10
	Max. absorbed power	**W**	840	1950	2650	2650	4660
Thermoplastic tank (nom. capacity) **(**)**		**l**	65	65	65	65	65
Refrigerant gas			R407C				
Noise level (at 1 m distance)		**db (A)**	64	69	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			1595 x 850 x 1580	

Notes

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