

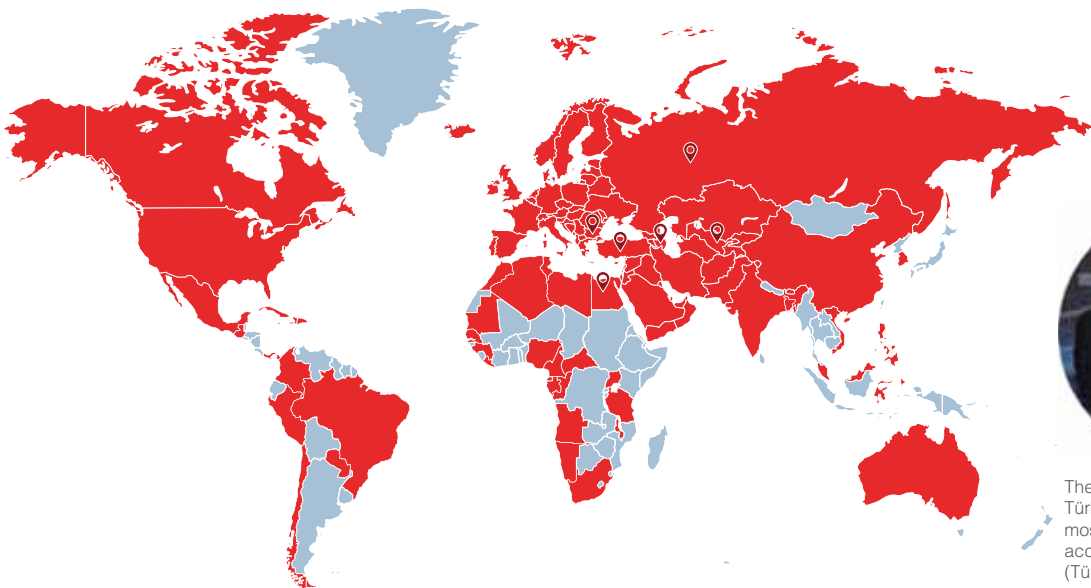


EKİN ENDÜSTRİYEL

**FAN DRIVEN
OIL COOLERS
PRODUCT CATALOGUE**



Your Satisfaction Is Our Priority;
Globalization Is Our Goal!



The second-rated company in Türkiye has exported to the most different countries in 2021, according to ISIB (Türkiye HVAC-R).



The first condition of innovation is to question. Sustainable innovation is to never stop questioning.

For us, the journey of innovation started with a question: "Why not produce value-added technology in Türkiye?". The first turning point in this long journey was the birth of the MIT (Made In Türkiye) brand. The founding vision of MIT, which enabled us to become Türkiye's first domestic manufacturer in the field of "Plate Heat Exchanger", was not to be a domestic "alternative", but to create a quality brand that could compete in the global market.

By working for this goal, we have been entitled to receive many international quality certificates such as ISO, TSE, CE, GOST... for our products and processes over many years. For us, questioning the current situation was a natural result of our desire to exceed ourselves.

New Generation Engineering

With our engineering approach that focuses on the process, not the problem, we do not only specialise in one product, but also consider the entire ecosystem of that product. Therefore, we provide an end-to-end application by producing all other components that will form a system as well as the plate heat exchanger. For this, we focus on the continuous development of the necessary engineer staff. With our business development, pre-sales, sales and after-sales services provided by our expert engineers, we produce not only products but also "solutions".

At the point we have reached; we offer complementary services with our internationally approved plate heat exchangers, components such as accumulation tanks, boilers, industrial pumps and installation materials that turn these heat exchangers into a system. With our team of more than 100 expert engineers, we continue to develop as a solution partner for projects requiring high technology in more than 60 countries.



HEAT TRANSFER PRODUCTS

- Gasketed Plate Heat Exchangers
- Brazed Heat Exchangers
- Shell & Tube Heat Exchangers
- Evaporators and Condensers
- DC Fan Driven Oil Coolers
- Heating Coils
- Serpentine / Radiators / Economizers

PRESSURE VESSELS

- Water Heater Tanks
- Water Storage Tanks
- Buffer Tanks
- Expansion Tanks / Automatic Pump Controlled Expansion Systems
- Stainless Steel Tanks
- Hydraulic Balance Tanks / Air Separators / Sediment Separators
- Magnetic Sediment Separators / Magnetic Filters / Bag Filters
- Air Tubes
- Steam Separators
- Pressured Air Tanks
- Neutralization Units

INDUSTRIAL AND FOOD GRADE SYSTEMS

- Heat Stations
- Industrial Process Systems
- Dosing Systems
- Thermoregulators
- Pasteurizers
- CIP and Hygienic Process Systems
- Hygienic Storage and Process Tanks
- Custom-Made Stainless Steel Tanks
- Reactors
- Homogenizers

FLUID TRANSFER PRODUCTS

- Lobe Pumps
- Hygienic Centrifugal Pumps
- Twin Screw Pumps
- Gear Pumps
- Magnetic Drive Pumps / Thermoplastic Pumps
- Dosing Pumps
- Air Operated Double Diaphragm Pumps (AODD)
- Drum Pumps
- Monopumps
- Peristaltic (Hose) Pumps
- Centrifugal Blowers
- Roots Blowers

FLOW CONTROL UNITS

- Butterfly Valves
- Ball Valves
- Globe Valves
- Knife Gate Valves
- Actuators
- Check Valves and Strainers
- Pneumatic Piston Valves

ENERGY SYSTEMS

- Domestic and Industrial Boilers
- Steam Generators
- Chillers
- Cooling Towers

PRODUCT RANGE



Contents

1

Fan Driven Oil Coolers



YS1 SERIES FAN DRIVEN OIL COOLERS WITH DC MOTOR

Operating Conditions

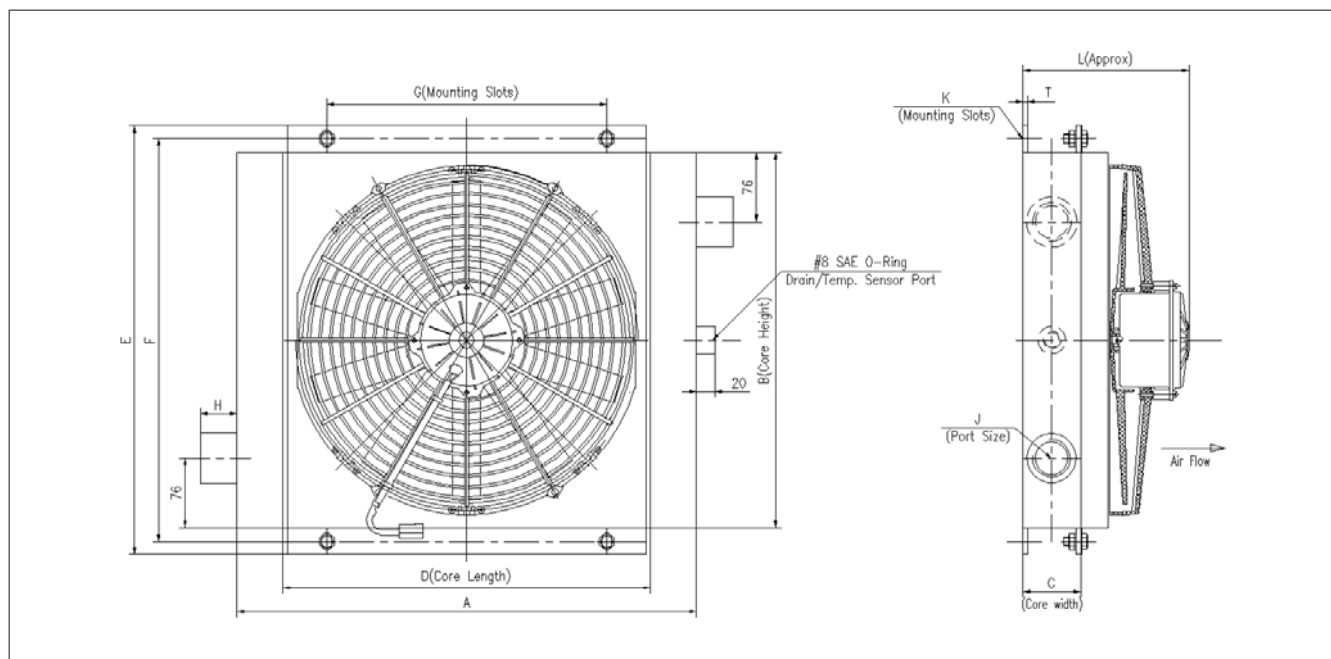
Maximum Operating Pressure: 250 psi
Maximum Operating Temperature: 250 °F

Materials

Cooler: Aluminum
Fan Cover: Plastic
Blade Tip: Powder Painted Steel
Fan Blades: Plastic

Fan Driven Oil Coolers with DC Motor

- Bar & Plate brazed aluminum core.
- Proven, compact and powerful design with field testing.
- High heat transfer suitable for the model.
- Air-fin design which minimizes the pollution coefficient.
- Welded aluminum connection / connection equipment.
- Standard NPT Mouth, SAE BSPP available.
- 12 or 24 Volt DC Fans.
- Custom design.



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS1 SERIES DIMENSIONS

Model Number	A	B	C	D	E	F	G	H	J	T	K	L	Voltage		Approx. Weight (kg)
													12V	24V	
YS1-10	355	253	63	255	298	276	126	25	#12SAE O-Ring	4	8x13 slot	173	5.2	2.6	9
YS1-16	405	300	63	305	343	324	149	30	#16SAE O-Ring	4	8x13 slot	173	8.2	4.1	11
YS1-20	500	410	63	400	468	440	305	40	#20SAE O-Ring	5	11x19 slot	181	19	9.5	14
YS1-30	600	504	63	500	562	534	405	40	#30SAE O-Ring	5	11x19 slot	183	19	9.5	24

YS1 SERIES PERFORMANCE LIST

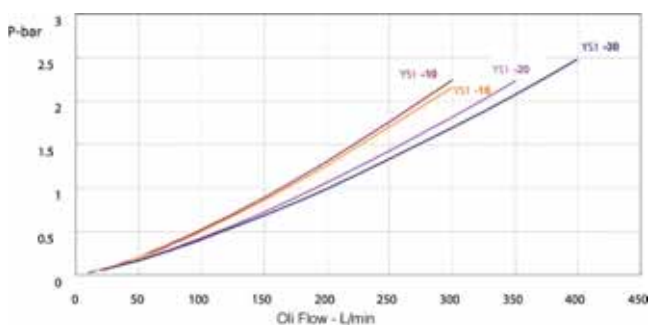
Oil Flow-L/min		10	15	20	30	40	50	60	70	80	100	150	200	250	300	350	400
Heat Reject. (kW)	YS1-10	3.2	3.5	3.7	4.0	4.1	4.3	4.3	4.4	4.5	4.6	4.8	4.9	5.0	5.0		
	YS1-16		4.8	5.2	5.6	5.8	6.0	6.1	6.3	6.4	6.5	6.8	7.0	7.1	7.2		
	YS1-20			8.2	9.4	10.0	10.4	10.8	11.1	11.4	11.6	12.2	12.6	12.9	13.1		
	YS1-30			11.4	13.2	14.3	15.2	15.8	16.4	16.8	17.4	18.3	19.0	19.6	20.0	13.3	
Oil ΔP (bar)	YS1-10	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.9	1.3	1.8	2.2	20.3	20.5
	YS1-16		0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.9	1.3	1.7	2.2		
	YS1-20			0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.7	1.1	1.4	1.8	2.2	
	YS1-30			0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.7	1.0	1.3	1.7	2.1	2.5

Industrial Applications

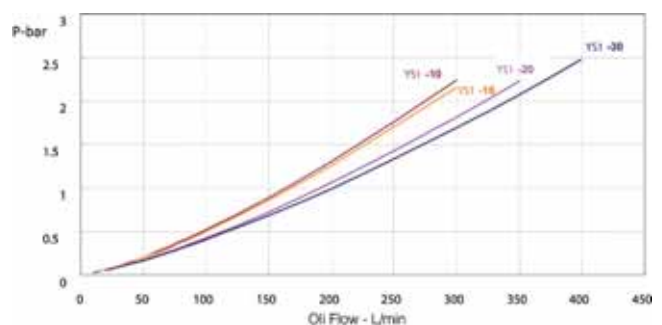
Oil coolers are used in a wide range of mobile applications worldwide;

- Agricultural machinery
- Street cleaning machines
- Hydraulic drives
- Compressors
- Construction machinery
- Engine oil cooling

Specific Heat Rejection (YS1-10)->(YS1-30)



Pressure (YS1-10)->(YS1-30)



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS2 SERIES FAN DRIVEN OIL COOLERS WITH DC MOTOR

Operating Conditions

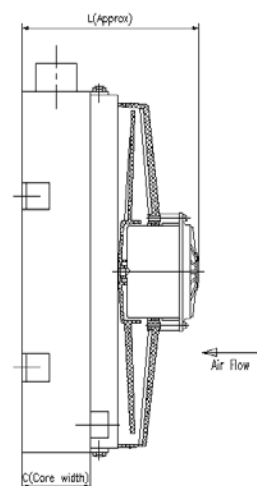
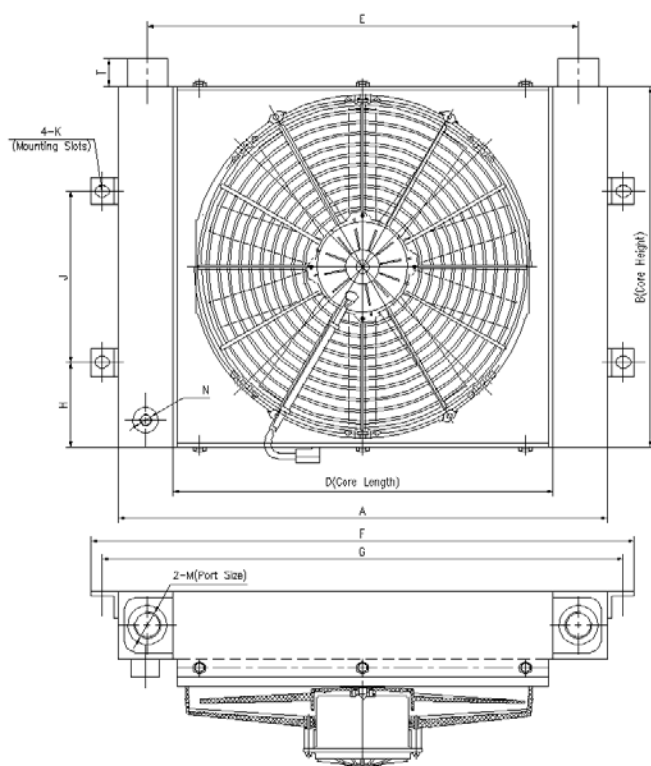
Maximum Operating Pressure: 300 psi
Maximum Operating Temperature: 350 °F

Materials

Chiller: Aluminum
Fan Cover: Plastic
Fan Blades: Plastic

Fan Driven Oil Coolers with DC Motor

- Bar & Plate brazed aluminum core.
- Proven, compact and powerful design with field testing.
- High heat transfer suitable for the model.
- Air-fin design which minimizes the pollution coefficient.
- Welded aluminum connection / connection equipment.



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS2 SERIES DIMENSIONS

Model Number	A	B	C	D	E	F	G	H	J	T	K	L	Voltage		Approx. Weight (kg)
													12V	24V	
YS2-11	491	380	40	411	451	550	526	94	190	30	13x1 slot	158	NPT1"	NPT3/8"	10
YS2-12	540	400	75	420	476	600	576	94	190	30	13x1 slot	193	NPT1"	NPT3/8"	16

YS2 SERIES PERFORMANCE LIST

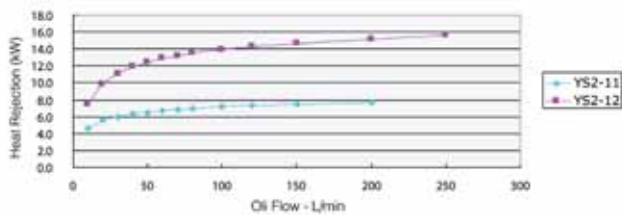
Oil Flow-L/min		10	20	30	40	50	60	70	80	100	120	150	200	250
Heat Transfer (kW)	YS2-11	4.6	5.6	6.0	6.3	6.5	6.7	6.8	6.9	7.2	7.3	7.5	7.7	
	YS2-12	7.4	9.8	11.1	11.9	12.4	12.9	13.2	13.5	13.5	14.2	14.6	15.2	15.6
Oil ΔP (bar)	YS2-11	0.06	0.13	0.22	0.32	0.43	0.54	0.66	0.79	1.06	1.35	1.82	2.67	
	YS2-12	0.02	0.05	0.08	0.12	0.15	0.19	0.24	0.28	0.38	0.48	0.64	0.93	1.25

Industrial Applications

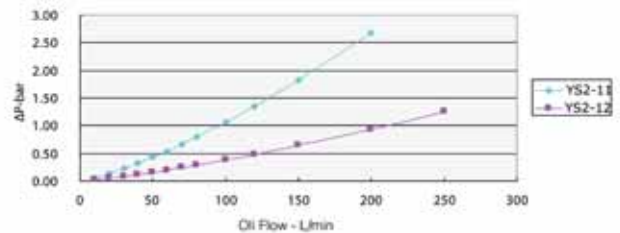
Oil coolers are used in a wide range of mobile applications worldwide;

- Agricultural machinery
- Street cleaning machines
- Hydraulic drives
- Compressors
- Construction machinery
- Engine oil cooling

Heat Rejection (YS2-11)->(YS2-12)



Pressure Loss (YS2-11)->(YS2-12)



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS3 SERIES FAN DRIVEN OIL COOLERS WITH DC MOTOR

Operating Conditions

Maximum Operating Pressure: 60 bar

Ambient Temperature: 300 °C

Hydraulic Oil Maximum Inlet

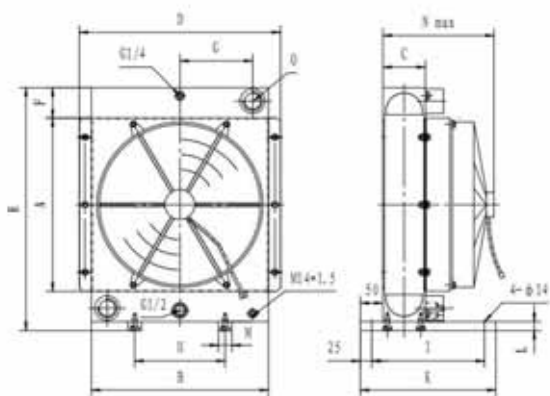
Temperature: 70 °C

Materials

Cooler: Aluminum

Fan Cover: Plastic

Fan Blades: Plastic



Fan Driven Oil Coolers with DC Motor

- Bar & Plate brazed aluminum core.
- Proven, compact and powerful design with field testing.
- High performance and working pressure. (Even in heavy hydraulic and greasing operations.)
- Air-fin design which minimizes the pollution coefficient.
- Welded aluminum connection / connection equipment.
- Standard NPT Mouth, SAE BSPP available.
- 12 or 24 Volt DC Fans.
- Custom design.

Industrial Applications

These units can be used for the following cooling processes;

It is used for the cooling of water containing mineral oil, synthetic oil, biological oil and similar HFA, HFB, HFC and HFD fluids and at least 50 percent antifreeze and anticorrosive additive.



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS3 SERIES DIMENSIONS								
Model	YS3-01	YS3-02	YS3-03	YS3-04	YS3-05	YS3-06	YS3-07	YS3-08
Power (kW)	2-5	4-10	8-15	10-20	15-25	20-35	25-40	35-75
Dimensions (mm)								
A	200	300	400	400	550	650	800	800
B	191	302	395	395	410	555	555	650
C	65	65	65	95	95	95	95	140
D	248	355	450	450	465	610	610	725
E	315	415	515	535	690	790	940	960
G	50	50	50	60	60	60	60	70
G	65	115	160	160	165	235	235	280
H	80	150	200	200	200	310	310	400
I	150	200	200	200	250	250	250	250
K	200	250	250	250	300	300	300	300
L	15	15	15	15	20	20	20	20
M	25	25	25	30	50	50	50	50
N	175	370	400	430	450	450	450	590
O	G1"	G1"	G1"	G1 1/4"	G1 1/4(1)"	G1 1/4"	G1 1/4"	G1 1/2"

YS3 SERIES FAN TECHNICAL INFORMATION								
Model	YS3-01	YS3-02	YS3-03	YS3-04	YS3-05	YS3-06	YS3-07	YS3-08
Fan Dimensions (mm)	167	255	350	350	450	500	500	630
Fan Speed (prm)	3250	2600	2950	2950	1500	1500	1500	1000
Sound Volume (db)	71	74	76/78	77/78	77	79	79	79
Motor Voltage (v)	12/24	12/24	12/24	12/24	220/380 Hidrolik	220/380 Hidrolik	220/380 Hidrolik	220/380 Hidrolik
Power (kW)	0.08	0.15	0.2/0.25	0.2/0.25	0.37	0.55	0.55	1.1
Volume (l)	1	1.9	2.9	5.2	6.3	9.4	10.6	17.7
Operating Pressure (bar)	26	26	26	26	26	26	26	26

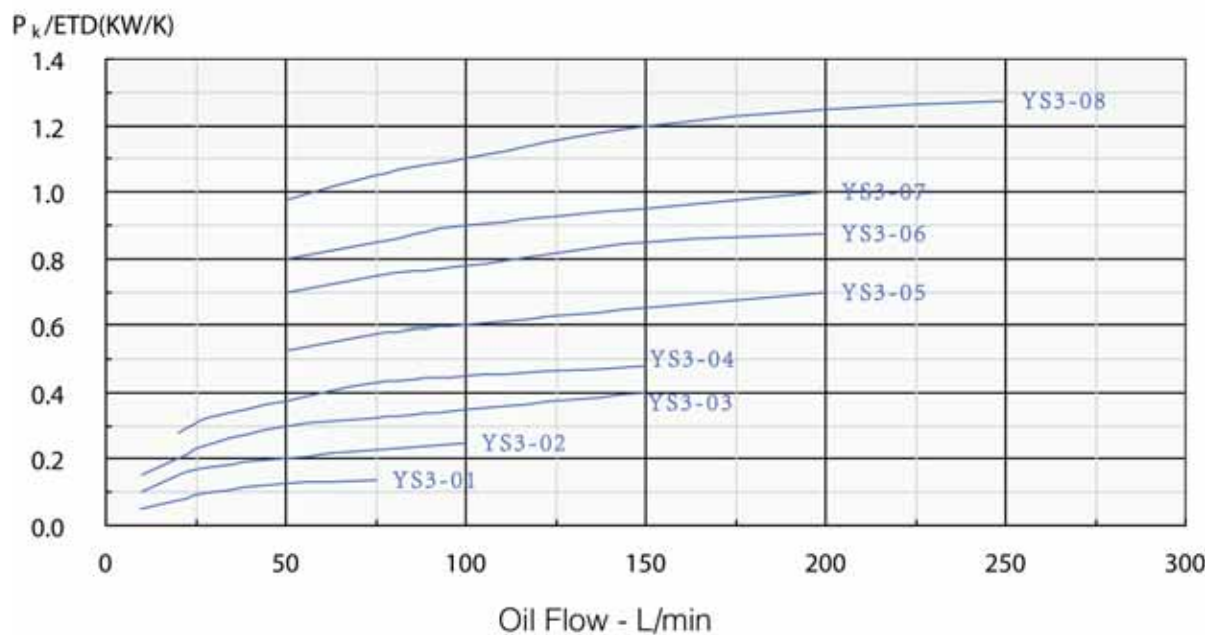
Industrial Applications

- Industrial Hydraulic Systems
- Mobile Hydraulic Systems
- Drive Gears
- Compressors
- Hydraulic Couplings

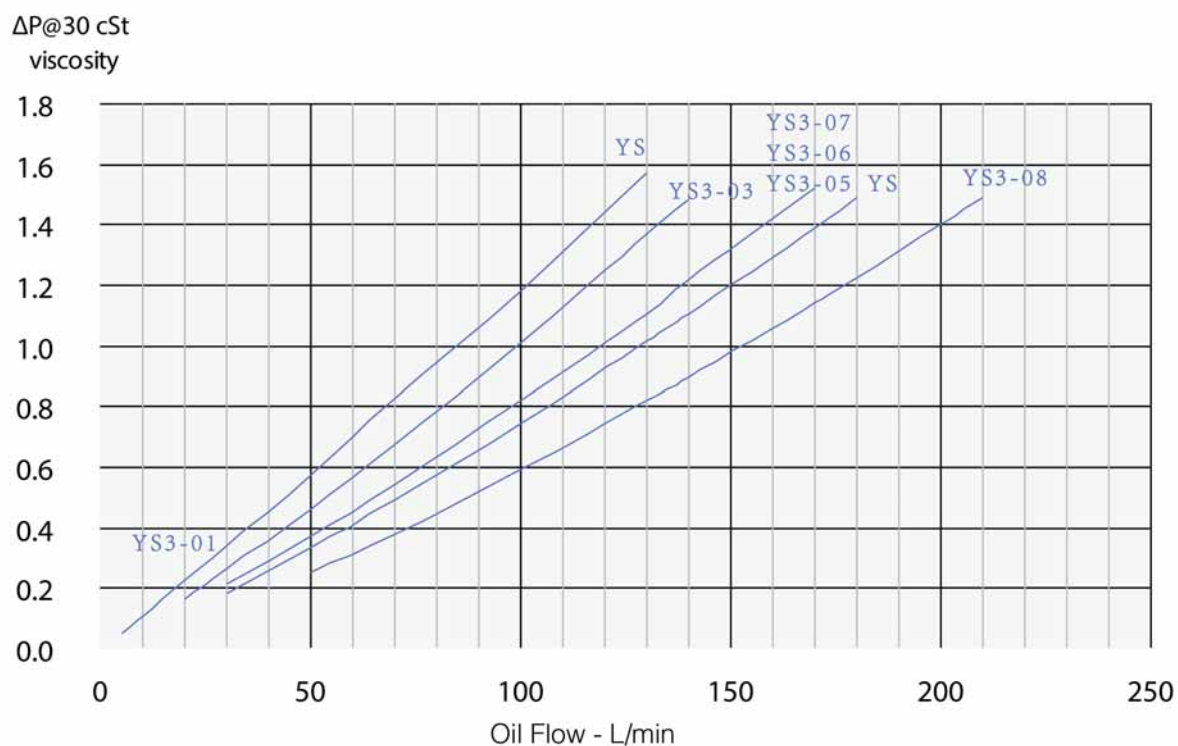


All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

Heat Rejection Performance Curves (YS3-01)->(YS3-08)



Pressure Loss Performance (YS3-01)->(YS3-08)



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS4 SERIES FAN DRIVEN OIL COOLERS WITH AC MOTOR

Operating Conditions

Maximum Operating Pressure: 60 bar
 Ambient Temperature: 35 °C
 Hydraulic Oil Maximum Inlet Temperature: 70 °C

Materials

Cooler: Aluminum
 Fan Cover: Plastic
 Fan Blades: Plastic

Fan Driven Oil Coolers with DC Motor

- Bar & Plate brazed aluminum core.
- Proven, compact and powerful design with field testing.
- 220 or 380 volt AC fans.
- Hydraulic motor fan drive is available.
- Design is possible according to customer requirements for both motor and industrial applications.



YS4 SERIES DIMENSIONS

Code		YS4-01	YS4-02	YS4-03	YS4-04	YS4-05	YS4-06
A	mm	390	490	590	750	850	1000
B	mm	490	610	727	920	1035	140
C	mm	80	90	100	113	125	1190
D	mm	290	310	350	300	345	400
E	mm	540	660	777	970	1085	1240
F	mm	290	410	527	620	735	890
G	mm	530	630	735	900	1000	1160
H	mm	340	350	360	380	390	410
I	mm				450	460	480
Power	kW	12~15	20~26	32~40	50~70	75~95	105~140
Oil Flow	L/min	50~150	80~200	100~250	150~400	200~500	250~600
Oil Inlet Temperature	°C	70	70	70	70	70	70
Volume	L	6.12	9.47	14.3	26.4	33.2	48.9
Air Cooling Flow	m³/h	3600	5700	8400	13000	17000	22200
Fan Diameter	mm	350	450	550	690	750	900
Motor Voltage	v	220/380	220/380	220/380	Hidrolik Motor	Hidrolik Motor	Hidrolik Motor
Max. Operating Pressure	bar	20	20	20	20	20	20
Ambient Temperature	C	35	35	35	35	35	35

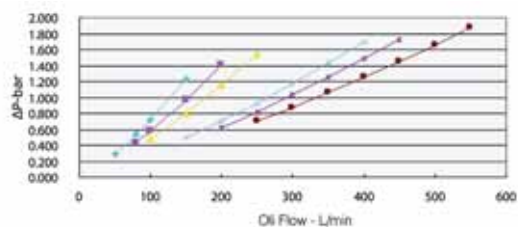


All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

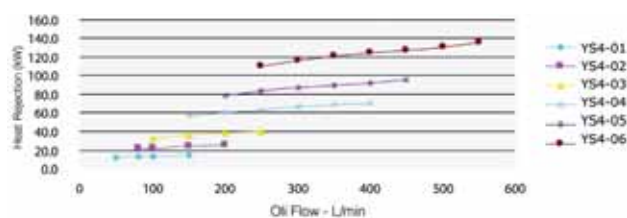
YS4 SERIES PERFORMANCE LIST

Oil Flow-L/min		50	80	100	150	200	250	300	350	400	450	500	550
Heat Reject. (kW)	YS4-01	12.0	13.2	13.9	15.0								
	YS4-02		21.5	22.5	24.6	26.0							
	YS4-03			33.2	36.3	38.8	40.0						
	YS4-04				56.0	60.1	62.8	65.7	67.8	70.0			
	YS4-05					78.4	82.9	86.3	89.5	92.2	95.0		
	YS4-06						110.5	116.2	120.7	124.1	127.6	130.8	135.0
Oil ΔP (bar)	YS4-01	0.294	0.538	0.720	1.223								
	YS4-02		0.432	0.574	0.968	1.408							
	YS4-03			0.478	0.797	1.154	1.539						
	YS4-04				0.490	0.702	0.931	1.175	1.433	1.702			
	YS4-05					0.619	0.818	1.028	1.250	1.483	1.724		
	YS4-06						0.697	0.872	1.057	1.249	1.449	1.656	1.869

Oil Pressure Loss Performance



Heat Rejection (YS4-01)->(YS4-06)



Industrial Applications

- Research Machines
- Municipality Street Cleaning Tools
- Hydrostatic Drives
- Construction Machinery
- Underground Mining
- Engine Oil Cooling



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS5 SERIES FAN DRIVEN OIL COOLERS WITH DC MOTOR

Operating Conditions

Maximum Operating Pressure: 21 bar
 Ambient Temperature: 14 bar
 Hydraulic Oil Maximum Inlet Temperature: 120 °C
 Maximum Cooling Capacity: 30 kW (OEC05)

Materials

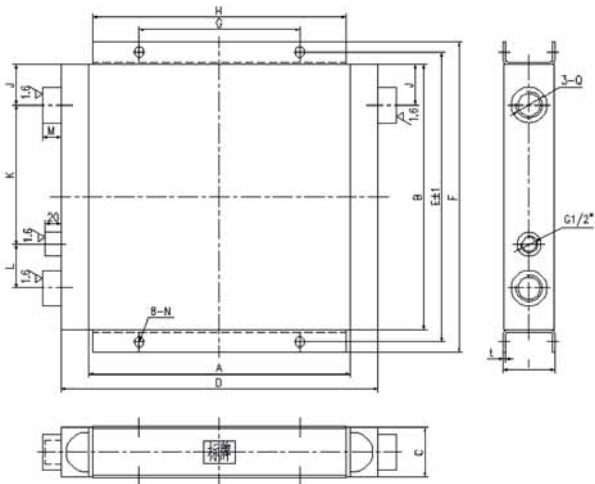
Core: Brazed aluminum bar and plate
 Tanks: 5052 Aluminum
 Feeder Bar & Small Bar: 3003 Aluminum
 Air Fin, Tabulator & Last Plate: Aluminum
 Connections: Aluminum

Hydraulic Oil Coolers with DC Motor

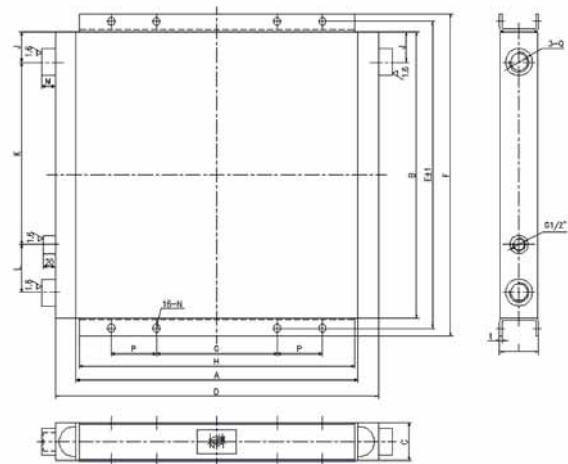
- Bar & Plate brazed aluminum core.
- Proven, compact and powerful design with field testing.
- 220 or 380 volt AC fans
- Hydraulic motor fan drive is available.
- Custom design is possible according to customer requirements for both motor and industrial applications.



(YS5-01)-(YS5-03)



(YS5-04)-(YS5-05)



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

YS5 SERIES DIMENSIONS

Model Number	A	B	C	D	E	F	G	H	I	J	T	K	L	M	N	P	Q	Approx. Weight (kg)
YS5-01	260	260	63	330	296	322	203	250	65	3	51	80	80	23	11x13 slot	/	G1"	5.7
YS5-02	330	333	63	400	364	390	203	320	65	3	51	175	55	23	11x13 slot	/	G1"	8.0
YS5-03	394	400	63	464	432	458	203	384	65	3	51	230	70	23	11x13 slot	/	G1"	10.7
YS5-04	473	479	63	543	513	539	203	463	65	4	51	305	80	23	11x13 slot	76	G1"	14.5
YS5-05	565	587	63	635	622	647	203	545	65	5	51	326	55	23	11x13 slot	76	G1-14"	21.1

Industrial Applications

Coolers are mainly used in hydraulic oil engine oil, transmission oil, greasing oil applications and cooling circuits.

YS6 SERIES HIGH PERFORMANCE OIL COOLERS WITH HYDRAULIC MOTOR

Operating Conditions

Maximum Pressure: 510 PSI

Maximum Temperature: 250 F

Materials

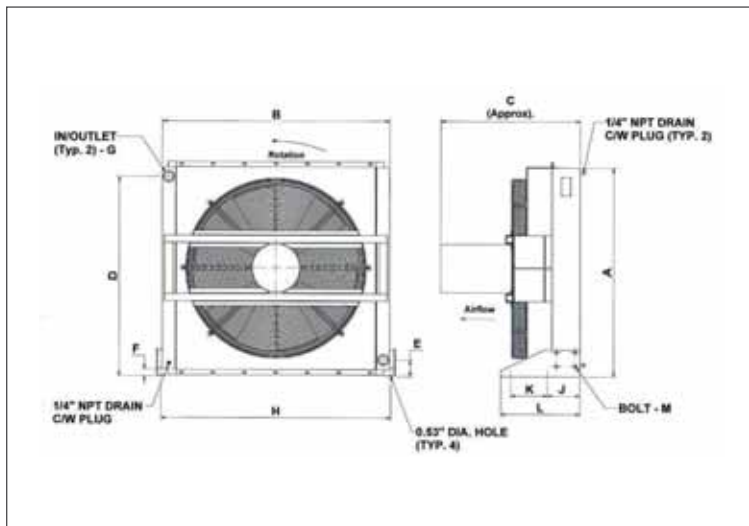
Cooler: Aluminum

Fan Cover: Plastic

Fan Blades: Plastic

High Performance Oil Coolers with Hydraulic Motor

- Bar & Plate brazed aluminum core.
- Proven, compact and powerful design with field testing.
- High heat transfer suitable for the model.
- Electric or hydraulic motor is available.



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

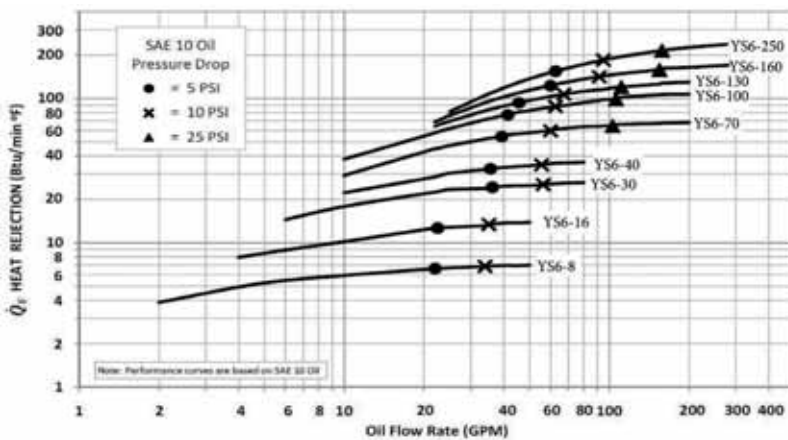
YS6 SERIES DIMENSIONS

Model Number	A	B	C	D	E	F	G	H	J	K	L	M Bolt	Approx. Weight (kg)
YS6-08	13.39	15.75	14.51	12.21	2.68	1.5	#16SAE ORB	14.61	4.50	3.50	8.79	M8x20	50
YS6-16	17.42	19.88	16.28	16.24	2.93	1.75	#16SAE ORB	18.74	4.50	3.50	8.79	M8x20	70
YS6-30	21.88	26.38	17.72	20.54	3.38	1.88	#20SAE ORB	25.28	5.50	3.74	10.35	M10x20	110
YS6-40	23.73	30.07	17.72	22.23	3.38	1.88	#20SAE ORB	29.17	5.50	3.74	10.35	M10x20	140
YS6-70	28.28	37.00	20.79	18.38	2.00	2.28	#20SAE ORB	37.48	5.50	7.88	15.00	M12x20	215
YS6-100	35.42	40.75	24.73	29.94	2.00	2.31	#20SAE ORB	41.44	5.50	7.88	15.00	M12x20	330
YS6-130	39.24	42.91	27.17	37.24	4.31	2.31	#20SAE ORB	43.46	7.00	7.88	17.00	M12x20	520
YS6-160	44.94	48.22	27.38	42.94	3.50	1.50	#24SAE ORB	49.29	7.00	7.88	17.00	M12x20	625
YS6-250	57.66	52.76	29.54	55.66	3.87	2.06	#24SAE ORB	50.55	7.80	10.00	21.50	3/4" UNC	770

YS6 SERIES MOTOR FEATURES

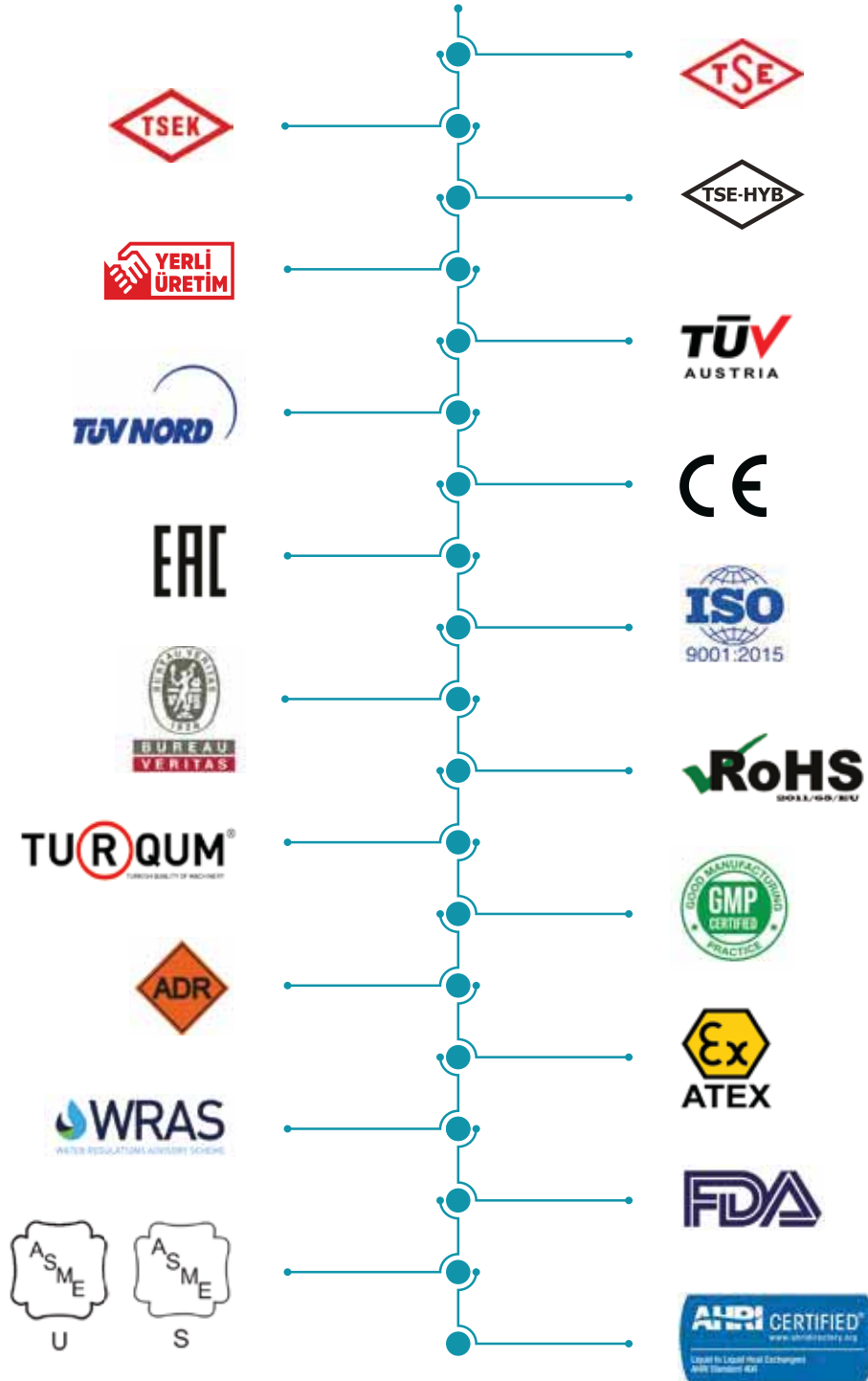
Model Number	Motor Power HP	Number of Cycle RPM	Motor Body	Single Phase Motor			Three Phase Motor		
				Voltage	Hz	Full Load Amper 230V	Voltage	Hz	Full Load Amper 230V
YS6-08	1/3	3425	IEC60	115/208-230	60	2.2	208-230/460	60	2.0
YS6-16	1/2	3425	NEMA 56C	115/208-230	60	4.2	208-230/460	60	2.2
YS6-30	1/2	1725	NEMA 56C	115/208-230	60	4.4	208-230/460	60	2.2
YS6-40	1	1725	NEMA 56C	115/208-230	60	6.8	208-230/460	60	3.6
YS6-70	2	1725	NEMA 56C	115/230	60	9.4	208-230/460	60	5.8
YS6-100	5	1725	NEMA 184TC	208-230	60	20.2	208-230/460	60	13.0
YS6-130	7-1/2	1725	NEMA 213TC	208-230	60	30.2	208-230/460	60	19.6
YS6-160	7-1/2	1725	NEMA 213TC	208-230	60	30.4	208-230/460	60	19.8
YS6-250	10	1725	NEMA 215TC	230	60	42	208-230/460	60	25.6

YS6 Performance Curve



All dimensions are given in mm. Inlet and outlet connections of oil can be reversed.

QUALITY MANAGEMENT SYSTEM



Ekin Heating and Cooling Endüstriyel Co. applies engineering approach; to focus on the process, not the problem; respectively, not only specializes in concerned products, but also take the entire aspects of the product, into consideration. Therefore, alongside the plate heat exchanger, Ekin has the capability to produce all other components to form a system. Advanced quality control structure are fully equipped, in order to present the products with a quality that goes beyond the acceptable regulations and standards.

With respect to "ISO 9001: 2015 Quality Management System" certification, which covers all processes from production, domestic / international sales and after-sales services, aiming at continuous improvement, respecting optimum results. With our expert engineers and solution-oriented approaches, the products have been certified with TSE, CE, Rosh and FDA quality certificates.

General Conditions

- 1- Unless otherwise agreed, our company issues all invoices in Turkish Lira (TL). For products priced in foreign currency, the TL amount will be determined and collected based on the effective selling rate of the Central Bank of the Republic of Turkey (T.C.M.B.) on the invoice date.
- 2- In cases where invoices are issued in foreign currency as required by the agreement, the TL amount will be determined and collected based on the T.C.M.B. effective selling rate on the payment date. If payments are made in TL-denominated bills of exchange, they will be converted into foreign currency using the T.C.M.B. exchange rate on the bill's maturity date, and then deducted from the debt. The buyer, under this contract, accepts, declares, and undertakes to pay any possible exchange rate differences.
- 3- Our prices do not include Value Added Tax (VAT) and Special Consumption Tax (ÖTV) unless stated otherwise. All taxes and duties arising from the contract, unless otherwise stated, are the responsibility of the buyer. Due to changes in Turkish Republic legislation, all existing or newly added taxes and other financial obligations will be applied to existing and ongoing offers and orders, as announced in the Official Gazette.
- 4- Our products are under a 2-year guarantee against material and manufacturing defects. The warranty period starts upon product delivery. Consumables and parts subject to normal wear and tear (seals, stators, rotors, diaphragms, membranes, resistors, etc.) are excluded from the warranty. The warranty terms are void if the recommended product is used outside the specified working conditions.
- 5- Failures resulting from the improper use of the product contrary to the usage instructions are not covered by the warranty. Ekin Endüstriyel provides usage manuals with the product and publishes them on the website. If the usage manual does not reach the buyer, the product should not be put into operation, and the manual should be requested in writing from Ekin Endüstriyel. Otherwise, it is assumed that you are aware of the installation, maintenance, and usage conditions, and Ekin Endüstriyel cannot be held responsible for any problems that may arise.
- 6- Warranty terms are valid only when periodic maintenance is carried out using original parts by authorized service centers of Ekin Endüstriyel.
- 7- If the buyer does not adhere to the payment plan mentioned above and cancels the order even if the goods or services have not been delivered or completed, Ekin Endüstriyel may unilaterally terminate the order contract without any notice. In such a case, Ekin Endüstriyel will request a penalty payment of 40% of the total amount as compensation for damages, while reserving the right to claim additional damages. If the buyer has made an advance payment, Ekin Endüstriyel records the amount received as revenue.
- 8- In the event of product returns, a 40% deduction will be made from the invoice amount if the return is accepted. The shipping cost for returns is not the responsibility of Ekin Endüstriyel. In customer-specific orders or supply of special-order products, changes to the order, return, or order suspension, will not be accepted under any circumstances including force majeure. In case of cancellation, revision, return, or suspension, the fee for the work will be invoiced as a penalty and collected from the buyer. For customer-specific orders or supply of special-order products, in cases where there are events that may damage mutual trust between the parties, Ekin Endüstriyel reserves the right to request additional security within the limits of the product cost. Products must be received and installed as soon as they are ready. This period should not exceed 4 weeks. If exceeded, Ekin Endüstriyel has the right to invoice the order amount and request payment of the product price.
- 9- Unpaid invoices will incur a monthly default interest rate of 5% until paid in full. Until the total amount of the invoiced product is paid, the ownership of the product remains with Ekin Endüstriyel Heating, Cooling, Industry and Trade Inc.
- 10- When placing orders with Ekin Endüstriyel, it is the responsibility of the buyer to provide complete and accurate information regarding the type of product, the type of fluid used, pressure, temperature, density, and other relevant details. Otherwise, any problems that may arise due to incorrect information are not the responsibility of our company.
- 11- Problems arising from the quality of the fluid used in our products or from the installation or piping system are not covered by the warranty. Damage caused by corrosion, cavitation, vibration, water hammer, or freezing is not covered by our warranty.
- 12- Damage resulting from the absence or improper functioning of the necessary fixtures in the system or the non-use of safety fixtures (safety valve, thermostat, pressure sensor, temperature sensor, etc.) will not be considered under the warranty. Any financial or moral losses that may arise are not the responsibility of our company.
- 13- Goods are not insured during transportation, but can be insured at the expense of the buyer if requested. Otherwise, the risk is borne by the buyer. In deliveries that include transportation, delivery is made on the vehicle. Our responsibility ends from the moment the product is delivered to the buyer's carrier.
- 14- Mechanical assembly, commissioning, external certification, and third-party tests are not included in our offer. Any fixtures and additional parts not mentioned in our offer are not included in our prices.
- 15- Technical details of our products have been sent in attached files. Acceptance of the offer by the buyer implies approval. Ekin Endüstriyel reserves the right to make changes to the specified dimensions and values. Descriptions in catalogs and advertisements, as well as measurements, weights, and other documents, are for reference only.
- 16- Products that use in our products or we sell but we do not manufacture are not covered by the Ekin Endüstriyel guarantee. The guarantee and liability for any damage that may occur are the responsibility of their respective manufacturing companies. By accepting this offer, the buyer agrees not to hold Ekin Endüstriyel responsible.
- 17- Our company is not responsible for any process, production, or immovable losses that may arise from our products. Claims for compensation will only be accepted in cases of deliberate or gross negligence. The compensation for any damage that may occur cannot exceed the invoice amount. By placing this order, the customer accepts, declares, and undertakes this.
- 18- Unless otherwise agreed in writing by the parties, the sales and delivery conditions stated here will apply to all of Ekin Endüstriyel Heating, Cooling, Industry, and Trade Inc.'s sales. Any requests from the buyer that deviate from these terms and conditions will not be accepted. These terms and conditions will remain valid for future deliveries and services, even if they have not been explicitly agreed upon in individual cases within ongoing business relationships.
- 19- The delivery period begins upon the issuance of the order confirmation notice. However, the delivery period will not start until the buyer sends the required documents and approvals (technical drawing approvals) to Ekin Endüstriyel via email or registered mail. If there is an agreed prepayment, the delivery period will not start until payment is made. In cases of force majeure or unexpected obstacles beyond our control, as well as industrial disputes, specific strikes, and lockouts that have an impact on the production or delivery of ordered goods, delivery times will be extended accordingly, provided that it is proven that such events have an impact. This clause also applies when subcontractors are affected by such situations.
- 20- If there is no special agreement or contract between the parties regarding the delay of delivery for the products ordered, the buyer cannot claim compensation for the delay.
- 21- After receiving the products, the buyer has a direct or indirect control, inspection, and notification period of 2 business days for obvious defects and 8 business days for hidden defects. Products for which written notice has not been made within this period will be considered accepted.
- 22- We have an obligation to improve in case of errors caused by the manufacturer, except for errors due to installation and use. We also reserve the right to replace the product with a new one. However, the buyer does not have the right to request a replacement. When improvement or repair is impossible or when improvement or new delivery cannot be made, the buyer can request the cancellation of the contract or a price reduction.
- 23- The selection of a product that meets the needs, its suitability for special applications, its safe and trouble-free installation, its operation and maintenance are the responsibility of the system designer and the user. Otherwise, we are not responsible for any damage or work accidents that may occur.
- 24- Our company is only responsible for ensuring that the goods to be delivered are prepared carefully for shipment. Since our company does not provide engineering services, application details, material compatibility with the system, product specifications must be evaluated technically by the buyer before product selection. The wrong selection, installation, or improper use of the products can cause material damage or injury. Our company does not assume responsibility for product selection.
- 25- In cases where the buyer is a trader or a legal entity governed by public law, all legal disputes will be resolved by the court within our jurisdiction. All legal disputes arising exclusively from common legal relationships, including all kinds of disputes, are subject to the exclusive jurisdiction and authority of the Anadolu Courthouse/Turkey. In the event of a dispute, Istanbul Anadolu court and enforcement offices have the authority.
- 26- The buyer is obliged to confirm the offer letter sent for the organization of the order in writing, or to send their official order form. For orders that are not notified in writing, the acceptance of products is considered as acceptance of this contract. The order form, contract, or change request forms sent by the buyer will only come into effect with the written acceptance of Ekin Endüstriyel Heating, Cooling, Industry, and Trade Inc.
- 27- If this offer is approved and turned into an order, it becomes a contract, and the buyer declares that they have fully accepted the above clauses.



A chain is only as strong as its weakest link.

Running and maintaining a quality production process that meets international standards requires focusing on quality all along the ecosystem. Maintaining this focus requires a unifying vision of constant improvement shared by all stakeholder, and a certain level of expertise for all parties involved. Ekin Academy was established with the principles of continuous development and growing together to share the knowledge and experience that will realize this vision.

We support the development of our employees with training programs that directly contribute to the results in their business processes and make a difference in their personal development. We offer technical trainings on heat transfer, pressure vessels, package systems, food systems and liquid transfer. We help them become individuals who will make a difference with our development programs that covers topics like leadership, strategy, sales and many more. In addition, we provide information regarding installation, operating, maintenance and repairs with our pre and after sales training modules prepared for our business partners and customers.

At Ekin Academy we do not solely focus on the development of our staff, partners and customers. Thanks to our university collaborations, we provide the means for future engineers to put their theoretical knowledge to use with practical applications.



We organize seminars, conferences and trainings for professional chambers, and institutions we collaborate on social responsibility projects. Because we know that only by investing in the society, the industry and the future of the industry, we can become a country known for its high-quality engineering products.

Sales Team

An Engineering Approach from Sales to Maintenance

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance.

With our “quality product, quality service, quality solution” approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.



Customer Satisfaction



Our priority is to ensure customer satisfaction and protect the rights of our customers with our pre-sales processes that analyze customer needs well, quality-registered product range, expert staff and meticulous working methods.



Ethical Values

We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.



Privacy Policy

All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.



Information Security

All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.

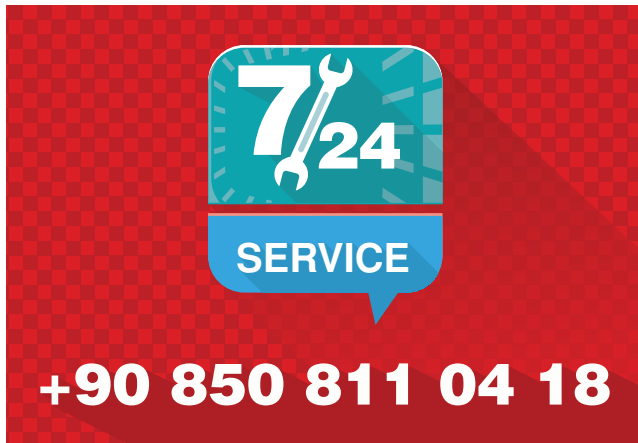
Professional System Solution Center

You can get answers to the problems you experience with your pumps, heat exchangers and system from our MIT professional system solution center. You can also benefit from our 7/24 uninterrupted service with our solution center consisting of our expert engineers.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, heating, cooling and pasteurization systems.
- Industrial cooling and heating systems.
- Oil cooling systems.
- Energy recovery systems.
- Pool heating systems.
- Steam installations.



It is vital for your system to be designed and implemented correctly in the first installation in order to be able to operate at the desired capacity, smoothness and long life. For this reason, you can get first-hand the technical support you need during the installation phase of your system and the problems that may arise in the business; You can reach us **24 hours +90 (216) 232 24 12 in 7 days.**



We would like to reiterate that we will be happy to share our knowledge accumulated over many years with our valued customers in order for your system to work correctly and performance.

Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.



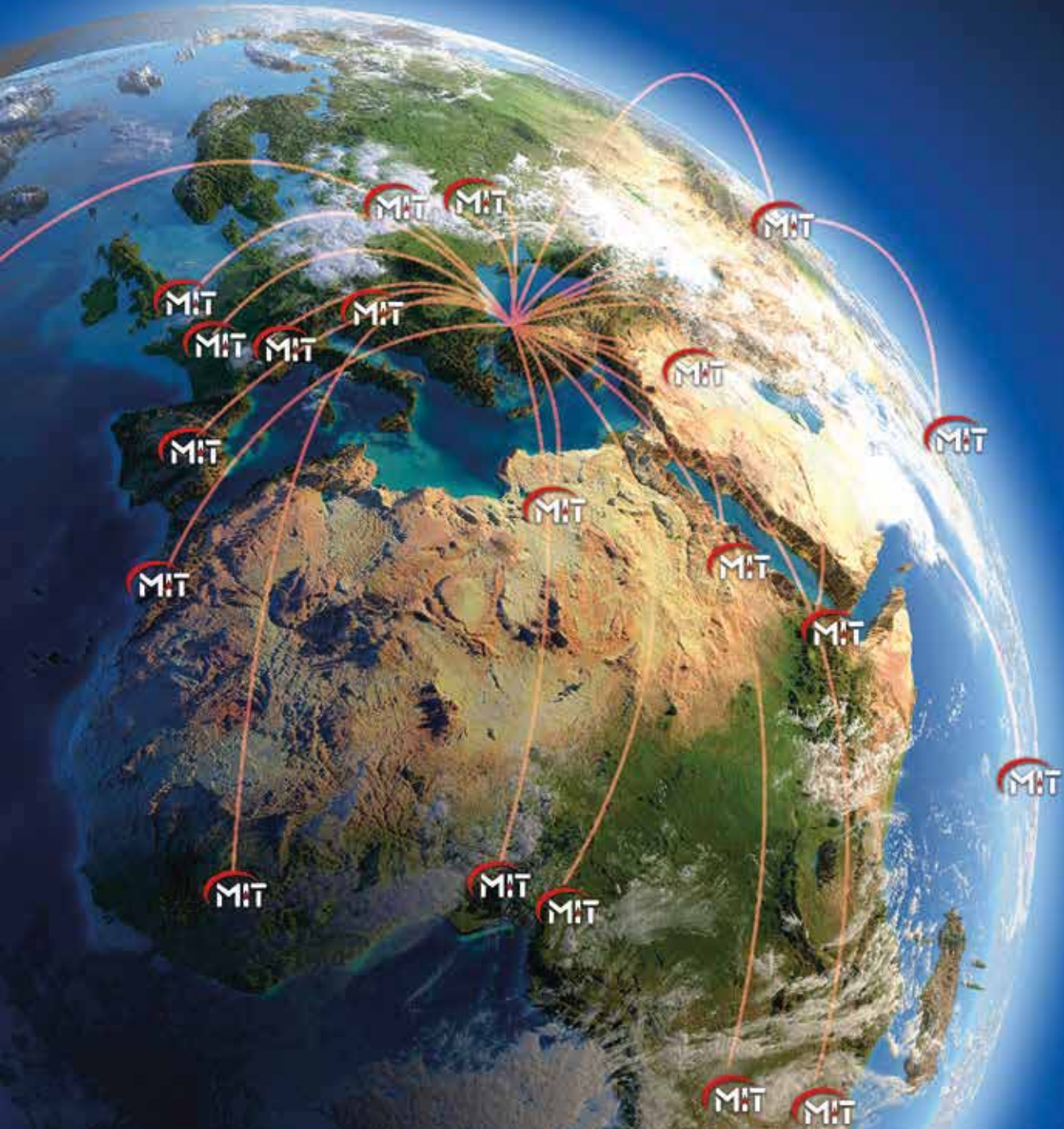
Producer; reserves the right to change the product features, technical dimensions and information and installation diagrams specified in this catalog without notice. No specified information can be copied and used without the permission of the manufacturer. In no way can the manufacturer be held responsible by giving examples of technical information and diagrams. In case of need, we request you to request a special technical drawing for your project for exact dimensions.



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