

HEATING & COOLING COILS
EVAPORATOR & CONDENSER COILS
HEAT RECOVERY HEAT EXCHANGERS

Company Profile

KR Coils manufactures Heat Exchangers, Evaporators, Condensers, Heating and Cooling Coils as a serial production and according to special requirements.

Believing in the importance of improvement in operational efficiency obliged us to spread our production to 400.000 sq. ft. establishment with 700 employees by ISO 9001:2015 certified standards, with UL, EUROVENT, CE, PED(CE0408) certified standards. Our company provides flexible solutions and wide range of product alternatives as a result of its customer oriented approach.

KR Coils is mainly specialized in Copper tube / Aluminum finned heat exchangers. Our company also works on design and process development of heat exchangers compatible with refrigerating and air-conditioning gases (R 290 Propane, R 600a Isobutane, R 744 CO₂) which has an increased trend in usage. Additionally, Aluminum tube and Aluminum finned heat exchangers are also manufactured.



Certifications



UL Recognized Component



KARYER participates in the ECP programmes for AAHE and COIL
Check on-going validity of certificate:
www.eurovent-certification.com



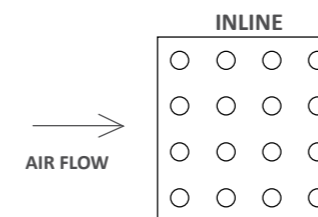
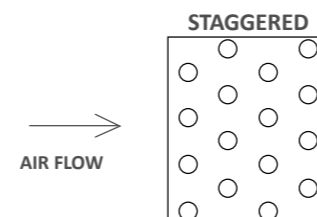
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



2014/35/EU
2014/68/EU

Fin Geometries | 30 Different Alternatives

TUBE	GEOMETRY			FPI
Ø 0.196" (Ø 5.00 mm)	0512	0.984" x 0.492"	staggered	17.0...6.4
	0516	0.750" x 0.649"	staggered	17.0...6.4
	0522	0.984" x 0.852"	staggered	17.0...5.0
	0525	0.984" x 0.984"	in-line	17.0... 6.9
Ø 0.275" (Ø 7.00 mm)	0713	0.826" x 0.500"	staggered	18.0...6.0
	0716	0.750" x 0.649"	staggered	18.0...6.0
	0722	0.984" x 0.852"	staggered	16.0...4.2
	0735	1.378" x 1.378"	in-line	12.0...3.6
Ø 5/16" (Ø7.94 mm)	0819	0.984" x 0.748"	staggered	17.0...5.4
Ø 3/8" (Ø9.52 mm)	1012	0.984" x 0.492"	staggered	17.0...6.4
	1016	1.00" x 0.625"	staggered	15.8...6.0
	1019	0.984" x 0.748"	staggered	15.8...6.0
	1022-1	0.984" x 0.852"	staggered	18.0...4.2
	1022-2	1.00" x 0.866"	staggered	17.0...6.0
	1025-1	0.984" x 0.984"	in-line	15.8...4.2
	1025-2	1.00" x 1.00"	in-line	15.0...6.0
	1026	1.181" x 1.023"	staggered	15.8...5.0
	1028	1.250" x 1.082"	staggered	15.8...3.2
	1035	1.378" x 1.378"	in-line	8.0...3.6
	1050	1.574" x 1.968"	in-line	8.0...3.2
	Ø 1/2" (Ø12.70 mm)	1228	1.250" x 1.082"	staggered
1233		1.496" x 1.299"	staggered	9.0...3.2
1235-1		1.574" x 1.363"	staggered	12.0...2.0
1235-2		1.378" x 1.378"	in-line	8.5...2.6
1238		1.732" x 1.500"	staggered	5.6...3.2
Ø 5/8" (Ø15.87 mm)	1630	2.362" x 1.181"	staggered	10.0...2.6
	1635	1.574" x 1.363"	staggered	14.0...2.0
	1650-1	1.968" x 1.968"	staggered	10.0...2.8
	1650-2	1.968" x 1.968"	in-line	6.2...2.0
	1660	2.362" x 2.362"	in-line	9.4...2.6



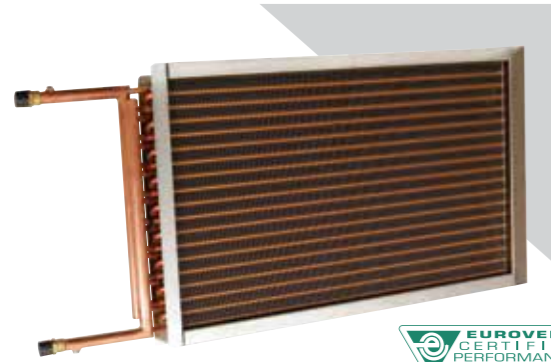
Fin Materials

- Blue Hydrophobic Coated Aluminum
- Blue Hydrophilic Coated Aluminum
- Gold Epoxy Coated Aluminum
- Copper Fins
- Marine Alloy Fin

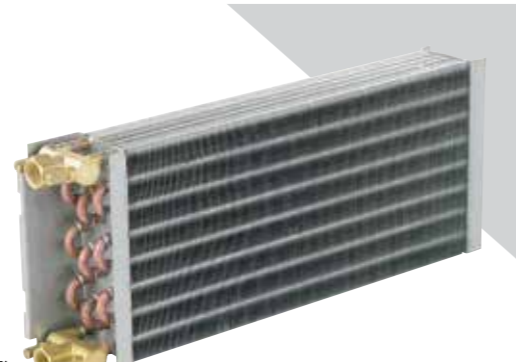
Fin Surface

- Flat
- Corrugated
- Louvred
- Pyramid

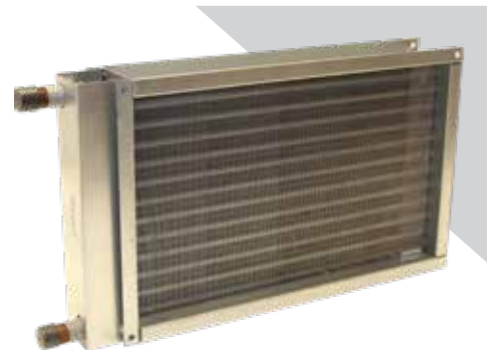
Water Coils



Water Coil



Fan Coil



Duct type Water Coil



Convactor Coil



KARYER participates in the ECP programme for COIL. Check ongoing validity of certificate: www.eurovent-certification.com

Calculation Request Form

Please send us below data to calculate required product:

AIR	Flow Rate (CFM)	Entering Temp.(°F)		Leaving Temp.(°F)	
		Dry Bulb	Wet Bulb*	Dry Bulb	Wet Bulb**

* Please enter for cooling coils

**If required

WATER	Flow Rate* (GPM)	Entering Temp.(°F)	Leaving Temp.* (°F)	Capacity requirement (MBH or Tons)

* Please fill at least one of these data

Dimensional requests (if any)	
Special requests (Material, Coating etc..)	

Quote Request Form

FIN TYPE*		TUBE MATERIAL*												HEADERS*		CASING MATERIALS*		NOTES
FLAT	CORR	5mm (.196)	7mm (.275)	3/8"	5/8"	1/2"	GROOVED	GROOVED	5/8"	GROOVED	GROOVED	STEEL	STEEL	COPPER	STEEL	.0393	.0472	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMPANY NAME		REPLACEMENT COIL DATA SHEET												CONNECTIONS TYPE				
MODEL NAME/ITEM NO		QTY												MPT				
		PROJECT NAME												FPT				

* MANDATORY FIELDS FOR QUOTATION.

Please visit www.krcoils.com for our quote request form

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Evaporator Coils



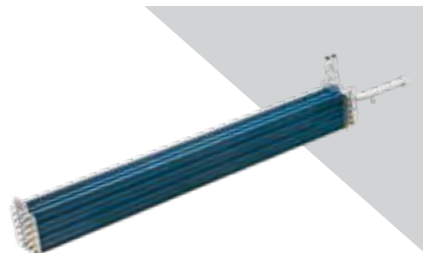
DX-Evaporator



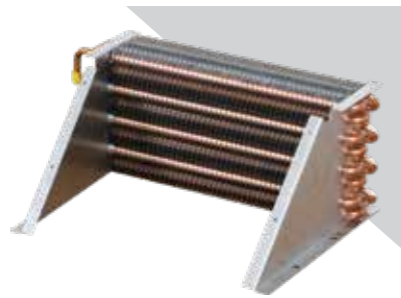
Special Evaporator Cu/Cu for Air-Conditioning



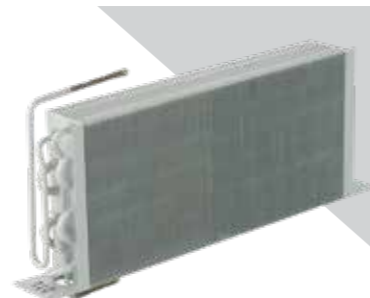
Interlaced Evaporator Coil



Alu / Alu Evaporator Coil for Mobile/Bus A/C



Evaporator for Refrigeration Application



Static Evaporator for Supermarket Refrigerators

Calculation Request Form

Please send us below data to calculate required product:

AIR	Flow Rate (CFM)	Entering Temp.(°F)		Leaving Temp.(°F)	
		Dry Bulb	Wet Bulb*	Dry Bulb	Wet Bulb**

* Please enter for cooling coils

**If required

Refrigerant Type	Suction temp.(°F)	Liquid Refrigerant Temp.(°F)	Qty of Circuits (Distributor)	Capacity requirement (MBH or Tons)
	(45°F if not specified)	(110°F if not specified)	Interlaced or Face Controlled? *	

* Select if Qty >1

Dimensional requests (if any)	
Special requests (Material, Coating etc..)	

Quote Request Form

Quote Request Form - DX-Evaporator Coils

FIN TYPE*		TUBE MATERIAL*		HEADERS*		CASING MATERIALS*		NOTES
<input type="checkbox"/> FLAT	<input type="checkbox"/> CORR	<input type="checkbox"/> 5/16"	<input type="checkbox"/> 3/8"	<input type="checkbox"/> COPPER	<input type="checkbox"/> 5/8"	<input type="checkbox"/> .0393	<input type="checkbox"/> .0472	
<input type="checkbox"/> GROOVED	<input type="checkbox"/> GROOVED	<input type="checkbox"/> GROOVED	<input type="checkbox"/> GROOVED	<input type="checkbox"/> IN : φ.....	<input type="checkbox"/> GROOVED	<input type="checkbox"/> .0590	<input type="checkbox"/> .0787	
<input type="checkbox"/> ALUMINUM	<input type="checkbox"/> .0110	<input type="checkbox"/> .0118	<input type="checkbox"/> .0125	<input type="checkbox"/> OUT : φ.....	<input type="checkbox"/> .0149	<input type="checkbox"/> GALV.	<input type="checkbox"/> CU	
<input type="checkbox"/> COPPER	<input type="checkbox"/> .0118	<input type="checkbox"/> .0137	<input type="checkbox"/> .0157	<input type="checkbox"/> CONNECTIONS	<input type="checkbox"/> .0157	<input type="checkbox"/> ALU.	<input type="checkbox"/> SS	
<input type="checkbox"/> GOLD EPOXY	<input type="checkbox"/> .0177	<input type="checkbox"/> .0137	<input type="checkbox"/> .0157	<input type="checkbox"/> COPPER	<input type="checkbox"/> .0196	<input type="checkbox"/> FLANGE TYPE	<input type="checkbox"/> STANDARD	
<input type="checkbox"/> HYDROPHILIC	<input type="checkbox"/> .0157	<input type="checkbox"/> .0157	<input type="checkbox"/> .0196	<input type="checkbox"/> IN : φ.....	<input type="checkbox"/> .0275	<input type="checkbox"/> STACKING	<input type="checkbox"/> STANDARD	
<input type="checkbox"/> MARINE ALLOY	<input type="checkbox"/> .0196	<input type="checkbox"/> .0196	<input type="checkbox"/> .0275	<input type="checkbox"/> OUT : φ.....				

MANDATORY FIELDS FOR QUOTATION.	QTY	PROJECT NAME
ROWS* TUBES* FPI* L* LD* H* HD* A B C D E F G H I X Y CAPILLARY*		

REPLACEMENT COIL DATA SHEET
COMPANY NAME
MODEL NAME/ITEM NO

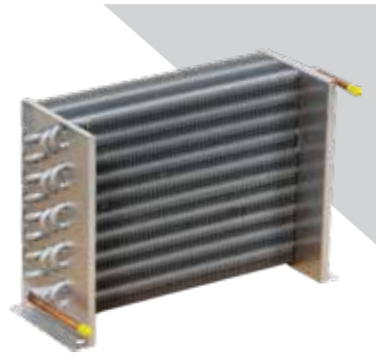
Condenser Coils



Condenser with Sub-cooling



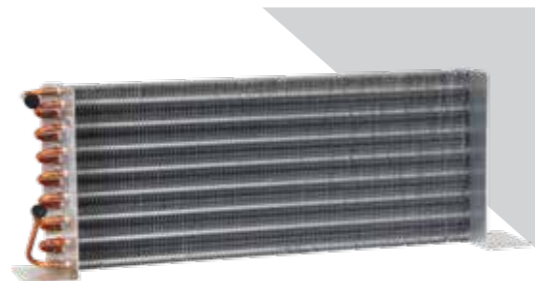
Condenser Coil for Mobile A/C



Alu/Alu Condenser for Refrigeration



Condenser Coil for Bus A/C



5mm Condenser for Refrigeration

Calculation Request Form

Please send us below data to calculate required product:

AIR	Flow Rate (CFM)	Entering Temp.(°F)		Leaving Temp.(°F)
		Dry Bulb	Wet Bulb	Dry Bulb *
*Please fill if required				

Refrigerant Type	Vapor temp.(°F)	Cond. Refrigerant Temp.(°F)	Qty of Circuits (Connections)	Capacity requirement (MBH or Tons)
	(200°F if not specified)	(120°F if not specified)	Interlaced or Face Controlled? *	

* Select if Qty >1

Dimensional requests (if any)	
Special requests (Material, Coating etc..)	

Quote Request Form

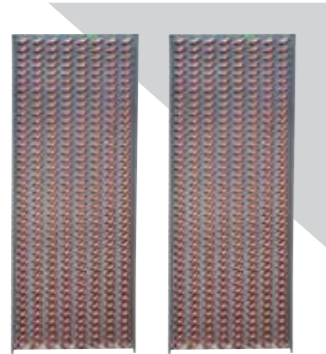
* MANDATORY FIELDS FOR QUOTATION.												NOTES																			
ROWS*	TUBES*	FPI*	L*	LD*	H*	HD*	A	B	C	D	E	F	G	H	I	J	X	Y	HEADERS*	CASING MATERIALS*											
FIN TYPE*												COPPER		.0393		.0472															
FIN METATERIAL												GROOVED		GROOVED		GROOVED		GROOVED		GROOVED		GROOVED		GROOVED		GROOVED		GROOVED			
ALUMINIUM												.0110		.0118		.0110		.0118		.0110		.0118		.0110		.0118		.0110			
COPPER												.0118		.0118		.0118		.0118		.0118		.0118		.0118		.0118		.0118			
GOLD EPOXY												.0177		.0137		.0137		.0137		.0137		.0137		.0137		.0137		.0137			
HYDROPHILIC												.0157		.0157		.0157		.0157		.0157		.0157		.0157		.0157		.0157			
MARINE ALLOY												.0196		.0196		.0196		.0196		.0196		.0196		.0196		.0196		.0196		.0196	
TUBE MATERIAL*												3/8"		5/8"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"		1/2"	
FLAT												CORR		CORR		CORR		CORR		CORR		CORR		CORR		CORR		CORR		CORR	
CONNECTIONS												ALU.		ALU.		ALU.		ALU.		ALU.		ALU.		ALU.		ALU.		ALU.		ALU.	
STACKING												STANDARD		STANDARD		STANDARD		STANDARD		STANDARD		STANDARD		STANDARD		STANDARD		STANDARD		STANDARD	

REPLACEMENT COIL DATA SHEET

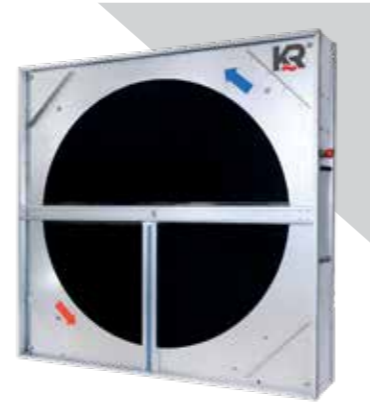
COMPANY NAME: _____ QTY: _____ PROJECT NAME: _____

MODEL NAME/ITEM NO: _____

Heat Recovery Heat Exchangers



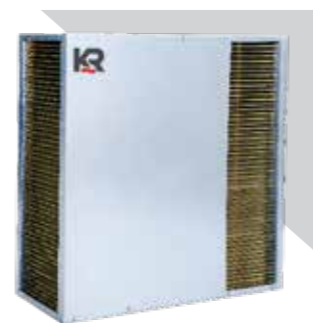
Double And Multiple Round Around Coils (Sensible)



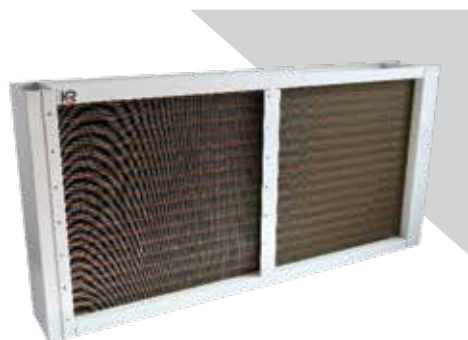
Rotary Wheel Type Heat And Total Energy Recovery Exchangers



Cross-Flow Heat Recovery Plate Exchangers



Counter-Flow Heat Recovery Plate Exchangers



Horizontal and Vertical Type Heat Pipe Heat Recovery Exchangers



Horse Shoe Heat Pipe Heat Recovery Exchangers

Application Areas

Refrigeration

- Reach In Freezers, Display cases, Bottle coolers, Ice Machines, Walk in Coolers & Freezers, Cooling equipment
- Cold storage, Food Preparation rooms, Freezing systems
- Industrial Refrigeration
- Truck and Container Refrigeration

Air-conditioning

- Window, Split, Central type Air-conditioning
- Chillers
- Heat Pump applications
- Data Centers, Telecommunication systems
- Marine Air-conditioning for yachts, ships

Process Cooling

- Co-generation Systems
- Power Plants
- Cooling of Process Water
- Air Dehumidifiers
- Pressurized Air Dryers



Akhisar / Turkey Facility
Total Area:
400.000 ft²

3.75 MW Solar Power to meet our factory's 100% of energy needs



Unit Coolers, Blast Freezers



EC-A Ceiling Type Unit Coolers



EC-P Ceiling Type Unit Coolers



ED-A Double Flow Unit Coolers



ED-P Double Flow Unit Coolers



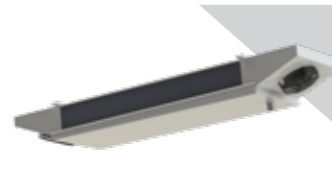
EG-A Angled Ceiling Type Unit Coolers



EG-P Angled Ceiling Type Unit Coolers



Under Counter Type Coolers



Low Speed Ceiling Type Unit Coolers



Unit Coolers



Fruit And Vegetable Unit Coolers



Low Internal Volume Unit Coolers



Double Flow Unit Coolers



Double Flow Processing Room Unit Coolers



Angled Ceiling Type Unit Coolers



Unit Coolers for Cold Store



EK-K Blast Freezers



EK-S Blast Freezers



EK-T Blast Freezers

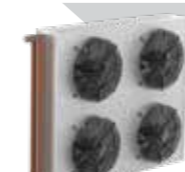


EK-SB Blast Freezers



Precoolers, After Harvesting

Air Cooled Condensers, Oil Coolers, Dry Coolers and Process Coolers



Air Cooled Oil Coolers



Commercial Condensers



Closed Type Hermetic Horizontal Flow Single Condensers



Closed Type Semi-Hermetic Horizontal Flow Single Condensers



Closed Type Semi-Hermetic Vertical Flow Condensers



Closed Type Semi-Hermetic Vertical Flow Condensers



Closed Type Semi-Hermetic Angle Flow Single Condensers



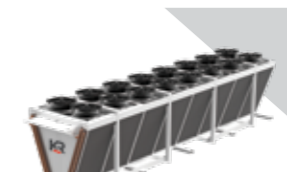
Closed Type Semi-Hermetic Vertical Flow Single Condensers



Vertical Type Industrial Condensers



Horizontal Type Industrial Condensers



V Type Industrial Condensers



KC-MF Type Industrial Condensers



KC-LF Type Industrial Condensers



KC-WF Type Industrial Condensers



Vertical Type Dry Coolers



Horizontal Type Dry Coolers



V Type Dry Coolers



Capacity Increase With Adiabatic Cooling



Data Center / Telecommunication Coolers



Data Center / Telecommunication Coolers



Headquarter
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