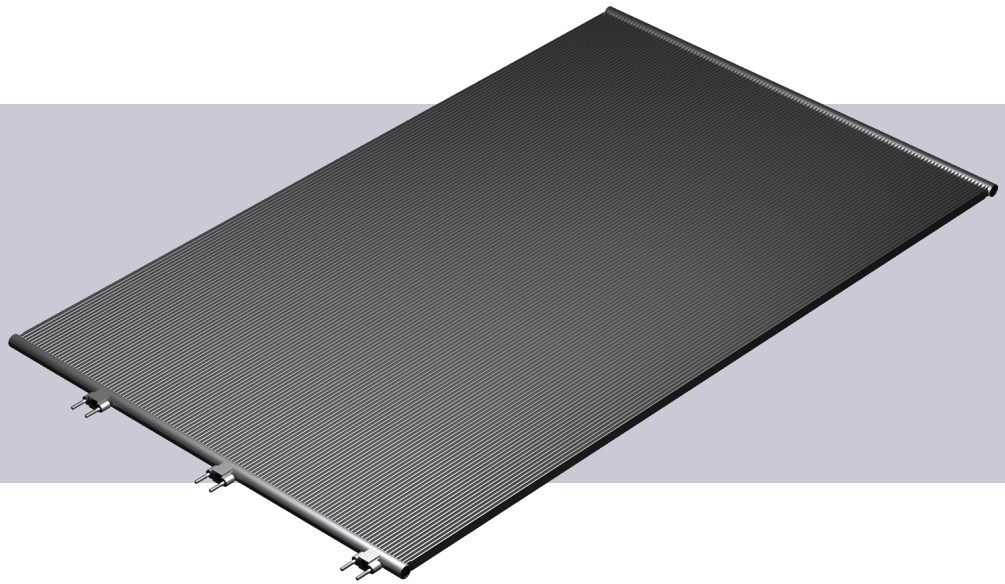


Replacement Coils

MICROCHANNEL CONDENSER COILS FOR REPLACEMENT

- ▶ FULL COMPATIBILITY TO OEM COILS
- ▶ HIGH CORROSION PROTECTION
- ▶ LONG SERVICE LIFE



SELECTION GUIDE
ENGLISH



CUSTOMER SERVICES

Maintenance and Warranty

As standard, Kaltra guarantees heat exchangers for a period of 24 months uncoated and 60 months e-coated, variations tailored to suit product and application are also available; please contact Kaltra for full terms and details.

For a free quotation contact Kaltra or your local sales engineer. All Kaltra products are designed in accordance with European and international standards and norms.



CAUTION

Warranty cover is not a substitute for maintenance. Warranty cover is conditional to maintenance being carried out in accordance with the recommendations provided during the warranty period. Failure to have the maintenance procedures carried out will invalidate the warranty and any liabilities by Kaltra.

In addition to warranty services, a 24 hour, 7 days a week on-call service is available throughout the year to EU sites. This service will enable customers to contact a duty engineer outside normal working hours and receive assistance over the telephone or per email. The duty engineer can, if necessary, attend site. Full details will be forwarded on acceptance of the maintenance agreement.

Service Contacts

For further assistance, please e-mail: support@kaltra.de or telephone:

Sales enquiries:	+49 (0) 911 715 320 21	sales@kaltra.de
24/7 support hotline:	+49 (0) 151 418 586 90	support@kaltra.de
Information:	+49 (0) 089 943 998 66	info@kaltra.de
Delivery:	+49 (0) 911 715 320 21	delivery@kaltra.de
Spares:	+49 (0) 911 715 320 21	spares@kaltra.de

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INTRODUCTION

Kaltra manufactures microchannel condenser coil replacements for a wide range of air-cooled chillers and condensers of different brands. These coils are designed as a direct replacement for original manufacturer's heat exchangers, either microchannel type or finned tube type, and offer high quality, substantially longer operating life, and perfect oil management. Replacement coils outperform original heat exchangers also in terms of heat transfer rates, thereby ensuring higher efficiency of the system and allows savings on energy. Lower air pressure resistance also guarantees savings on fan power. Full compatibility with the original heat exchangers assures easy, trouble-free replacement procedure.

Advantages

Replacement coils offer valuable advantages for the customers, foremost among which are:

- Full compatibility, exact matching with original coils
- Long service life and extended warranty: 5 years for e-coated coils; 2 years for uncoated coils
- Protective coatings (E-coating or TCP-coating)
- Improved heat transfer performance
- Short lead times/stock availability
- Optional casings
- 100% factory tested, CE-marked, UL-listed
- Detailed installation guidelines

Options

Optionally, replacement coils can be made with modifications as per customer requirements, targeted to better heat exchanger efficiency and flexibility. Additional mountings, connections are available by request. Replacements for finned tube heat exchangers may include coil casings for matching dimensions of the original coil.

Product Labeling/Nomenclature

The product label identifies the product and provides essential information about the product and its use, including coil serial number, allowed refrigerant type(s), internal coil volume, design pressure and temperature. The product label is affixed to one of the heat exchanger manifolds.

MCHE	C	H	-	1960	x	1240	-	25	/	13	-	26	H	32	-	2	-	L	18	-	R410a
Application	C	Condenser																			
Tube arrangement	H	Horizontal																			
	V	Vertical																			
Width	mm																				
Height	mm																				
Tube width	mm																				
Tube thickness	mm • 10																				
Ports	Number of ports per tube																				
Manifold diameter	mm																				
Number of passes																					
Type of fins	L	Louvered																			
	F	Flat																			
Fin density	FPI																				
Refrigerant type(s)	ASHRAE number																				



Waldenstraße 8, 80331 München-Deisenhofen
www.kaltra.com info@kaltra.de

Manufacturer S/N: MCHE-191206674-OEM


Manufacturing date: 10/2019

Refrigerant type(s): R410a

Internal volume: 5.48 dm³

Design pressure: 40 bar

Design temperature: 120°C



MCHE-ON-1906015021573-2019-01-18



Materials

Material properties are crucial for heat exchanger durability and corrosion resistance, especially when it comes to operating in aggressive atmospheres like highly-polluted industrial and urban areas, coastal zones, and other corrosive environments.

To achieve the highest product performances, Kaltra uses aluminum alloys and clads of series 3xxx, 4xxx, 7xxx, as well as strong long-life alloys (SLLAs) of series 9xxx.

Aluminum alloys						
Part	Alloy/Temper	Clad alloy/Temper	Coating	Additions/Modifications		
				Mn	Zn	Si
Multiport extrusion tubes (MPE)	AA3102-H112	-	Zn (ZAS)	0.4%	0.0÷0.3%	0.0÷0.4%
Multiport extrusion tubes (MPE)	AA3103-H12	-	Zn (ZAS)	0.9÷1.5%	0.0÷0.2%	0.0÷0.5%
Multiport extrusion tubes (MPE)	3F03-H112	-	Zn (ZAS)	0.9÷1.1%	0.2÷0.5%	0.6÷1.5%
Multiport extrusion tubes (MPE)	HA9153A-H112	-	Zn (ZAS)	0.7÷1.2%	0.2÷0.5%	0.6÷1.5%
Manifold tubes	AA4045	AA3003-H14/AA3005-H14	-	0.0%	0.0÷0.1%	9.0÷11.0%
Fin foil	FA7971	AA4343-H14SR	-	1.0÷1.5%	1.3÷1.7%	0.6%

The manufacturing of microchannel heat exchangers is an industrial CAB process - stands for controlled atmosphere brazing. CAB process is a flux-aided furnace brazing process under an inert shielding gas (nitrogen). Flux is required to clean the surfaces of the aluminum parts from oxides. For its microchannel heat exchangers, Kaltra uses the latest generation fluxes designed to give corrosion protection by controlled zinc load in addition to providing fin-to-tube joint filler formation. The silicon particles in the coating form the joint by reacting with aluminum, therefore replacing the use of clad fin. Aluminum alloys coated such a way exhibit excellent corrosion properties due to the formation of dense band of precipitates.

Coatings provide additional protection against corrosion and abrasion for microchannel tubes. Zinc arc spray process, implicating the projection of atomized molten zinc onto the surface to create a protective zinc diffusion layer, is a principal method to achieve high corrosion protection used in the manufacturing of microchannel tubes used in Kaltra's heat exchangers.

Putting a zinc layer on top of an aluminum alloy protects the core of the tube by providing a preferred path for corrosion to spread. Zinc is a less noble element compared to aluminum alloys. Zinc acts as a sacrificial layer guiding corrosion along the surface of the tube instead of through the tube walls. This corrosion behavior will lengthen the lifetime of the tube. With zinc arc spraying, an even coating with a good metallic bond is formed on the tubes, and this zinc layer will diffuse into the microchannel tube core during brazing.

Protective Coatings

Corrosion, the deterioration of metals and alloys through a physical and/or chemical reaction with the environment, may affect the heat exchangers, specifically condenser and cooling/heating coils that are exposed in the environment, and this can lead to failures and performance degradation of the equipment in the cases of improper heat exchanger protection in corrosive locations. Potentially corrosive environments include coastal and marine areas, locations adjacent to industrial and urban areas, locations with proximity to heavy road traffic, factories, power plants, chemical plants, or the combinations of the above.

Unprotected heat exchangers, regardless of their type, are subjected to corrosion. Although all-aluminum microchannel coils tend to be less affected by corrosion compared to multi-metal coils, the protection must be applied in order to prevent deterioration in aggressive atmospheres. The highest level of corrosion resistance can be achieved with the right coil coating. For microchannel heat exchangers, the best coating option is factory-applied electrodeposition, which is also referred to as electrocoating (e-coating) or electrophoretic deposition, and produce uniform finishing with excellent corrosion resistance. The trivalent chromium process (TCP) coating is another efficient method of protection with excellent anti-corrosion properties. Kaltra offers both E-coating and TCP-coating as an option for all heat exchangers. Other coating types are available on request.

For more information on protective coatings and anti-corrosion solutions for microchannel heat exchangers, refer to appropriate Kaltra selection guidelines and manuals available online.



IMPORTANT

Consult with Kaltra engineers regarding the best suitable protective solution for your heat exchanger application.

Epoxy Electrophoretic Coating

Epoxy electrophoretic coating (e-coating) is a process based on the deposition of electrically charged particles out of a water suspension to coat a heat exchanger. During the process, paint is applied to a heat exchanger with particular film thickness regulated by the amount of applied voltage and builds up an electrically insulating layer. The deposition process is self-limiting and stops as the applied coating electrically insulates the surface of a heat exchanger – thus guaranteeing substantial film thickness and complete surface coverage for such complex-shaped parts as microchannel heat exchangers.

Electrocoat process includes four distinct phases:

- Pre-treatment: cleaning the heat exchanger surface and phosphating. This stage includes immersion degreasing, rinsing, and phosphating, which is essential to achieving performance requirements and guarantees that no contaminations in the form of acids or electrolytes enter the electrocoat bath
- Applying the coating in an electrocoat bath. The bath is filling with paint emulsion (10-20%), solvents, and deionized water (80% and more), which is used as a carrier for the paint solids. The electrocoat process is driven by a DC rectifier, used to control the amount of paint that is deposited onto the heat exchanger surface. Cathodic deposition method with positively charged paint particles which are attracted to negatively charged heat exchanger characterizes by better corrosion resistance and high UV resistance of the end-product – compared to the anodic process. Thank electrical attraction, paint particles also penetrate the flaws and cracks in the metal
- Post-coating rinsing. Excessive paint is removed from the heat exchanger surface during this stage, providing a higher level of efficiency and aesthetics
- Thermal curing using bake oven. This process cures and cross-links the paint film to ensure maximum performance and corrosion resistance for the heat exchanger

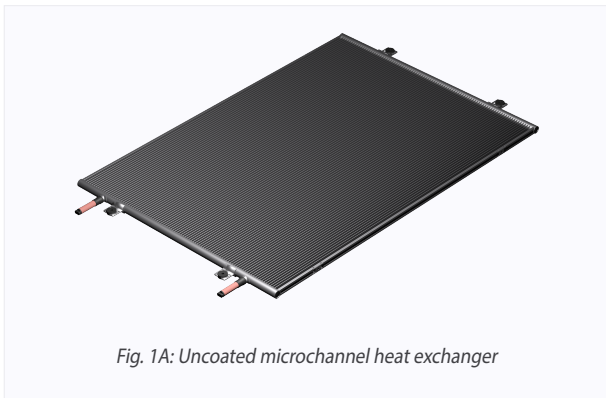


Fig. 1A: Uncoated microchannel heat exchanger



Fig. 1B: E-coated microchannel heat exchanger

Electrocoatings are typically made from polymeric resins, solvents and diluents, and pigments. Resin is a base of the paint which provides protection against corrosion and ultraviolet durability. Pigments and solvents provide coloring, glossing, and smooth appearance of the end product. The nature of the resins for the electrocoating can vary, but any type of resin feature functional groups in the backbone which allows them to become ionic in the presence of neutralizing agents. Electrocoating offers significant advantages over other coating technologies:

- High corrosion protection. Cathodic epoxy electrocoating with a film thickness of 20 microns withstands more than 6000 hours salt spray test performed in accordance with ASTM B117 standard, more than 4000 hours SWAAT performed in accordance with ASTM G85 Annex A3
- Uniform coating with no more than 1-2 micron variances across the coated surface of any shape complexity
- Eco-friendliness: heavy metal free, no hazardous air pollutants (HAPS), low levels of organic solvents, and low volatile organic compounds (VOC)
- Aesthetic quality

Performance test results: e-coated microchannel heat exchanger		
Test	Standard	Results
Dry film thickness	ASTM D7091	15-50µm
Film hardness	ASTM D3363	>2H
Adhesion rating	ASTM D3359	0.0<ΔE<1.0
Salt spray test	ASTM B117	6000hrs
Water resistance in 100%rH	ASTM D2247	>1000hrs
Hot water dip test	ASTM D870	>1000hrs
Specular gloss test	ASTM D523	60-90
Copper-accelerated acetic acid-salt spray test, CASS	ASTM B368	>1000hrs
Sea water acetic acid test, SWAAT	ASTM G85 Annex A3	>4000hrs
UV resistance test	ASTM G154	>2000hrs

E-coating is resistant to the following chemicals at ambient temperatures. Elevated temperatures can have an adverse effect on the corrosion durability of the coating product, depending on the specific environment. Data for the corrosion resistance of e-coating in specific corrosive environments available upon request.

E-coating chemical resistance					
Acetates (all)	Acetic acid	Acetone	Acetylene	Acrylonitrile <10%	
Alcohols (all)	Aldehydes (all)	Alum	Amines (all)	Amino acids	
Ammonia	Ammonium hydroxide	Ammonium nitrate	Amiline	Benzene	
Benzoic acid	Benzol	Borax	Boric acid	Butyl alcohol	
Butyl cellosolve	Butyric acid	Calcium chloride	Calcium hypochlorite	Carbolic acid	
Carbon dioxide	Carbon monoxide	Carbon tetrachloride	Carbonates (all)	Carbonic acid	
Cetyl alcohol	Chlorides (all)	Chlorinated solvents (all)	Chlorine gas	Chloroform	
Chromic acid	Citric acid	Creosol	Diesel fuel	Diethanolamine	
Esters (all)	Ethers (all)	Ethyl acetate	Ethyl alcohol	Ethyl ether	
Ethylene oxide	Fatty acid	Fluorine gas	Formic acid <10%	Formaldehyde <27%	
Formic acid <10%	Freon	Fructose	Fuels (all)	Gasoline	
Glucose	Glycols (all)	Hydrazine	Hydrocarbons (all)	Hydrochloric acid <10%	
Hydrofluoric acid	Hydrogen	Hydrogen peroxide 5%	Hydrogen sulfide	Hydroxylamine	
Iodides (all)	Iodine	Isobutyl alcohol	Isopropyl alcohol	Kerosene	
Ketones (all)	Lacquers	Lactic acid	Lactose	Lauryl acid	
Magnesium	Maleic acid	Menthol	Methanol	Methyl ethyl ketone	
Methyl isobutyl ketone	Methylene chloride	Mustard gas	Naphthol	Nitric acid	
Nitrides (all)	Nitrobenzene	Nitrogen fertilizers	Oils (mineral, vegetable)	Oleic acid	
Oxalic acid	Ozone	Perchloric acid	Phenol 85%	Phenolphthalein	
Phosgene	Phosphoric acid	Potassium chloride	Potassium hydroxide	Propane	
Propyl alcohol	Propylene glycol	Salicylic acid	Salt water	Sodium bisulfite	
Sodium chloride	Sodium hydroxide <10%	Sodium hypochlorite 5%	Sodium sulfate	Starch	
Stearic acid	Sucrose	Sulfate liquors	Sulfates (all)	Sulfides (all)	
Sulfites (all)	Sulfonic acid	Sulfur dioxide	Sulfuric acid 25-28%	Surfactants	
Tannic acids	Tetraethyl lead	Toluene	Triethanolamine	Vinegar	
Xylene					

Trivalent Chromium Process Coating

Trivalent chromium process (TCP) conversion coating is a type of conversion coating used to passivate aluminum alloys as a corrosion inhibitor. Unlike hexavalent chromium, trivalent chromium is non-toxic (both TCP bath and the resulting film contain no hexavalent chromium species) and fully complies with RoHS (Restriction of Hazardous Substances) requirements.

During TCP coating formation, activation of the aluminum surface leads to the reactions of oxygen reduction and hydrogen evolution, which results in the pH increase and the deposition of the TCP coating. TCP coating is characterized as a dense layer consisting of rounded particles hundreds of nanometre in size. The TCP coating consists of a two-layer structure, with zirconium-chromium oxide in the outer layer and aluminum oxide or oxyfluoride at the aluminum/coating interface. The TCP coating provides corrosion protection to aluminum alloys through suppressing the oxygen reduction reaction on aluminum alloy surfaces by acting as a protective barrier layer.

Trivalent chromium pretreatment demonstrates outstanding results for corrosion resistance and provides more than 3150 hours in neutral salt spray (ASTM B117), more than 2500 hours in sea water acetic acid test (SWAAT), and even longer for SLLA aluminum alloys used in Kaltra heat exchangers. TCP coating also exceeds dry tape adhesion requirements for ASTM D3359.

Performance test results: TCP-coated microchannel heat exchanger		
Test	Standard	Results
Adhesion rating	ASTM D3359	0.0< Δ E<1.0
Salt spray test	ASTM B117	3150hrs
Sea water acetic acid test, SWAAT	ASTM G85 Annex A3	>2500hrs

Applying of trivalent chromium process coating consists of the following steps (post-treatment is required depending on aluminum alloy grade being processed):

- Removing pollutants from the heat exchanger surface by rinsing and degreasing in an alkaline bath
- Immersion in a desmutting bath in order to remove coarse intermetallic particles and native oxide
- Forming of TCP coating by immersion of the heat exchanger in a trivalent conversion bath
- Post-treatment to reinforce the conversion layer and drying with the dried air stream
- The heat exchanger is rinsed in deionized water following each step

IN-STOCK COILS - YORK REPLACEMENT COILS (CHILLERS)

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
	YLAA Series	026-45535-000, 326-45535-000		
York	YLAA 0070 SE	MCHE-YLAA-0070SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0080 SE	MCHE-YLAA-0080SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0089 SE	MCHE-YLAA-0089SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0100 SE	MCHE-YLAA-0100SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0115 SE	MCHE-YLAA-0115SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0120 SE	MCHE-YLAA-0120SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0135 SE	MCHE-YLAA-0135SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0136 SE	MCHE-YLAA-0136SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0150 SE	MCHE-YLAA-0150SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0155 SE	MCHE-YLAA-0155SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0170 SE	MCHE-YLAA-0170SE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0041 HE	MCHE-YLAA-0041HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0048 HE	MCHE-YLAA-0048HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0058 HE	MCHE-YLAA-0058HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0065 HE	MCHE-YLAA-0065HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0081 HE	MCHE-YLAA-0081HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0082 HE	MCHE-YLAA-0082HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0092 HE	MCHE-YLAA-0092HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0101 HE	MCHE-YLAA-0101HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0125 HE	MCHE-YLAA-0125HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0139 HE	MCHE-YLAA-0139HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0142 HE	MCHE-YLAA-0142HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0156 HE	MCHE-YLAA-0156HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0175 HE	MCHE-YLAA-0175HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0200 HE	MCHE-YLAA-0200HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YLAA 0230 HE	MCHE-YLAA-0230HE-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
	YVAA Series	026-45677-000, 326-45677-000, 026-46798-000 , 326-46798-000		
York	YVAA 015 3	MCHE-YVAA-0153-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 016 5	MCHE-YVAA-0165-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 017 8	MCHE-YVAA-0178-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 018 3	MCHE-YVAA-0183-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 019 5	MCHE-YVAA-0195-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 019 8	MCHE-YVAA-0198-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 020 0	MCHE-YVAA-0200-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 021 3	MCHE-YVAA-0213-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 021 5	MCHE-YVAA-0215-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 021 8	MCHE-YVAA-0218-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 023 3	MCHE-YVAA-0233-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 024 5	MCHE-YVAA-0245-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 024 8	MCHE-YVAA-0248-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 026 3	MCHE-YVAA-0263-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 027 3	MCHE-YVAA-0273-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 027 5	MCHE-YVAA-0275-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 027 8	MCHE-YVAA-0278-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 029 5	MCHE-YVAA-0295-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 030 3	MCHE-YVAA-0303-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 030 5	MCHE-YVAA-0305-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 030 8	MCHE-YVAA-0308-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 031 8	MCHE-YVAA-0318-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 032 3	MCHE-YVAA-0323-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 033 3	MCHE-YVAA-0333-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 034 3	MCHE-YVAA-0343-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 034 5	MCHE-YVAA-0345-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 036 8	MCHE-YVAA-0368-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 037 3	MCHE-YVAA-0373-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 037 5	MCHE-YVAA-0375-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 039 8	MCHE-YVAA-0398-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 041 3	MCHE-YVAA-0413-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 042 5	MCHE-YVAA-0425-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 042 8	MCHE-YVAA-0428-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 044 3	MCHE-YVAA-0443-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 047 5	MCHE-YVAA-0475-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
YVAA Series				
York	YVAA 048 3	MCHE-YVAA-0483-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 050 0	MCHE-YVAA-0500-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVAA 052 3	MCHE-YVAA-0523-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
YVFA Series				
York	YVFA 0539	MCHE-YVFA-0539-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 0709	MCHE-YVFA-0709-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 0889	MCHE-YVFA-0889-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 1009	MCHE-YVFA-1009-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 1069	MCHE-YLAA-1069-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 1239	MCHE-YLAA-1239-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 1419	MCHE-YLAA-1419-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
York	YVFA 1589	MCHE-YLAA-1589-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS

IN-STOCK COILS - TRANE REPLACEMENT COILS (CHILLERS)

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
RTAF Series				
Trane	RTAF 090	MCHE-RTAF-090-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 105	MCHE-RTAF-105-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 125	MCHE-RTAF-125-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 145	MCHE-RTAF-145-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 155	MCHE-RTAF-155-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 175	MCHE-RTAF-175-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 190	MCHE-RTAF-190-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 205	MCHE-RTAF-205-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 245	MCHE-RTAF-245-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 250	MCHE-RTAF-250-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF280	MCHE-RTAF-280-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 310	MCHE-RTAF-310-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 350	MCHE-RTAF-350-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 380	MCHE-RTAF-380-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 410	MCHE-RTAF-410-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	RTAF 450	MCHE-RTAF-450-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
ACS Series				
Trane	ACS 140	MCHE-ACS-140-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	ACS 160	MCHE-ACS-160-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	ACS 180	MCHE-ACS-180-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	ACS 200	MCHE-ACS-200-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	ACS 215	MCHE-ACS-215-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Trane	ACS 230	MCHE-ACS-230-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS

IN-STOCK COILS - CARRIER REPLACEMENT COILS (CHILLERS)

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
30XA Series				
Carrier	30XA 080	MCHE-30XA-080-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 082	MCHE-30XA-082-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 090	MCHE-30XA-090-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 092	MCHE-30XA-092-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 100	MCHE-30XA-100-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 102	MCHE-30XA-102-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 110	MCHE-30XA-110-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 112	MCHE-30XA-112-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 120	MCHE-30XA-120-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 122	MCHE-30XA-122-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 140	MCHE-30XA-140-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
30XA Series				
Carrier	30XA 142	MCHE-30XA-142-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 160	MCHE-30XA-160-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 162	MCHE-30XA-162-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 180	MCHE-30XA-180-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 182	MCHE-30XA-182-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 200	MCHE-30XA-200-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 202	MCHE-30XA-202-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 222	MCHE-30XA-222-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 240	MCHE-30XA-240-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 242	MCHE-30XA-242-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 252	MCHE-30XA-252-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 260	MCHE-30XA-260-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 262	MCHE-30XA-262-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 280	MCHE-30XA-280-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 282	MCHE-30XA-282-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 300	MCHE-30XA-300-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 302	MCHE-30XA-302-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 325	MCHE-30XA-325-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 327	MCHE-30XA-327-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 350	MCHE-30XA-350-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 352	MCHE-30XA-352-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 400	MCHE-30XA-400-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 401	MCHE-30XA-401-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 402	MCHE-30XA-402-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 450	MCHE-30XA-450-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 451	MCHE-30XA-451-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 452	MCHE-30XA-452-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 476	MCHE-30XA-476-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 500	MCHE-30XA-500-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 501	MCHE-30XA-501-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 502	MCHE-30XA-502-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 504	MCHE-30XA-504-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 602	MCHE-30XA-602-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 702	MCHE-30XA-702-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 752	MCHE-30XA-752-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 802	MCHE-30XA-802-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 852	MCHE-30XA-852-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 854	MCHE-30XA-854-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 902	MCHE-30XA-902-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 904	MCHE-30XA-904-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1002	MCHE-30XA-1002-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1112	MCHE-30XA-1112-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1212	MCHE-30XA-1212-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1312	MCHE-30XA-1312-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1382	MCHE-30XA-1382-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1402	MCHE-30XA-1402-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1502	MCHE-30XA-1502-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA 1702	MCHE-30XA-1702-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
30RAP Series				
Carrier	30RAP 010	MCHE-30RAP-010-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 011	MCHE-30RAP-011-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 015	MCHE-30RAP-015-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 016	MCHE-30RAP-016-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 018	MCHE-30RAP-018-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 020	MCHE-30RAP-020-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 025	MCHE-30RAP-025-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 030	MCHE-30RAP-030-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 035	MCHE-30RAP-035-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 040	MCHE-30RAP-040-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 045	MCHE-30RAP-045-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 050	MCHE-30RAP-050-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 055	MCHE-30RAP-055-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RAP 060	MCHE-30RAP-060-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
30RB Series				
Carrier	30RB 060	MCHE-30RB-060-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 070	MCHE-30RB-070-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 080	MCHE-30RB-080-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 090	MCHE-30RB-090-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 100	MCHE-30RB-100-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 110	MCHE-30RB-110-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 120	MCHE-30RB-120-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 130	MCHE-30RB-130-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 150	MCHE-30RB-150-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 160	MCHE-30RB-160-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 162	MCHE-30RB-162-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 170	MCHE-30RB-170-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 182	MCHE-30RB-182-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 190	MCHE-30RB-190-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 202	MCHE-30RB-202-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 210	MCHE-30RB-210-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 225	MCHE-30RB-225-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 232	MCHE-30RB-232-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 250	MCHE-30RB-250-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 262	MCHE-30RB-262-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 275	MCHE-30RB-275-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 300	MCHE-30RB-300-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 302	MCHE-30RB-302-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 315	MCHE-30RB-315-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 330	MCHE-30RB-330-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 342	MCHE-30RB-342-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 345	MCHE-30RB-345-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 360	MCHE-30RB-360-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 372	MCHE-30RB-372-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 390	MCHE-30RB-390-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 402	MCHE-30RB-402-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 432	MCHE-30RB-432-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 462	MCHE-30RB-462-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 522	MCHE-30RB-522-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 602	MCHE-30RB-602-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 672	MCHE-30RB-672-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 732	MCHE-30RB-732-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RB 802	MCHE-30RB-802-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
30RBS Series				
Carrier	30RBS 039	MCHE-30RBS-039-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 045	MCHE-30RBS-045-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 050	MCHE-30RBS-050-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 060	MCHE-30RBS-060-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 070	MCHE-30RBS-070-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 080	MCHE-30RBS-080-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 090	MCHE-30RBS-090-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 100	MCHE-30RBS-100-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 120	MCHE-30RBS-120-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 140	MCHE-30RBS-140-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBS 160	MCHE-30RBS-160-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
30RBSY Series				
Carrier	30RBSY 039	MCHE-30RBSY-039-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 045	MCHE-30RBSY-045-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 050	MCHE-30RBSY-050-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 060	MCHE-30RBSY-060-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 070	MCHE-30RBSY-070-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 080	MCHE-30RBSY-080-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 090	MCHE-30RBSY-090-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 100	MCHE-30RBSY-100-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 120	MCHE-30RBSY-120-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 140	MCHE-30RBSY-140-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBSY 160	MCHE-30RBSY-160-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS

Replacement Coils				
Manufacturer	Unit Model	Condenser Coil Model Number	Optionals	Warranty Std./Coated
30RBM Series				
Carrier	30RBM 160	MCHE-30RBM-160-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 180	MCHE-30RBM-180-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 200	MCHE-30RBM-200-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 220	MCHE-30RBM-220-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 260	MCHE-30RBM-260-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 300	MCHE-30RBM-300-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 320	MCHE-30RBM-320-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 360	MCHE-30RBM-360-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 400	MCHE-30RBM-400-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 430	MCHE-30RBM-430-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 470	MCHE-30RBM-470-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBM 520	MCHE-30RBM-520-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
30RBP Series				
Carrier	30RBP 160	MCHE-30RBP-160-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 180	MCHE-30RBP-180-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 200	MCHE-30RBP-200-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 220	MCHE-30RBP-220-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 260	MCHE-30RBP-260-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 300	MCHE-30RBP-300-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 320	MCHE-30RBP-320-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 360	MCHE-30RBP-360-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 400	MCHE-30RBP-400-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 430	MCHE-30RBP-430-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 470	MCHE-30RBP-470-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30RBP 520	MCHE-30RBP-520-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
30XAS Series				
Carrier	30XAS 242	MCHE-30XAS-242-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAS 282	MCHE-30XAS-282-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAS 342	MCHE-30XAS-342-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAS 442	MCHE-30XAS-442-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAS 482	MCHE-30XAS-482-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
30XAV Series				
Carrier	30XAV 500	MCHE-30XAV-500-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAV 600	MCHE-30XAV-600-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAV 700	MCHE-30XAV-700-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAV 800	MCHE-30XAV-800-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAV 950	MCHE-30XAV-950-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAV 1050	MCHE-30XAV-1050-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XAV 1150	MCHE-30XAV-1150-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
30KAV Series				
Carrier	30KAV 500	MCHE-30KAV-500-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 550	MCHE-30KAV-550-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 600	MCHE-30KAV-600-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 650	MCHE-30KAV-650-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 720	MCHE-30KAV-720-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 800	MCHE-30KAV-800-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 900	MCHE-30KAV-900-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 1000	MCHE-30KAV-1000-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
Carrier	30KAV 1100	MCHE-30KAV-1100-OEM	E-COATING / TCP-COATING / CASING	2 YRS / 5 YRS
30XA-ZE/30AV-ZE Series				
Carrier	30XA-ZE/30AV-ZE 401	MCHE-30XAZE-401-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA-ZE/30AV-ZE 501	MCHE-30XAZE-501-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA-ZE/30AV-ZE 551	MCHE-30XAZE-551-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA-ZE/30AV-ZE 651	MCHE-30XAZE-651-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA-ZE/30AV-ZE 701	MCHE-30XAZE-701-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA-ZE/30AV-ZE 851	MCHE-30XAZE-851-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS
Carrier	30XA-ZE/30AV-ZE 901	MCHE-30XAZE-901-OEM	E-COATING / TCP-COATING	2 YRS / 5 YRS

COILS FOR OTHER HVAC EQUIPMENT

For air-cooled HVAC equipment not listed in the present Selection Guide, please contact Kaltra. Online information on Kaltra microchannel heat exchangers: <https://www.kaltra.com/microchannel-heat-exchangers>

INSTALLATION MANUALS

Microchannel condenser coils for replacement - Installation manual for York/JCI chillers (English):
https://www.kaltra.com/wp-content/uploads/2021/10/IM_York-Replacement-Coils_Ver.3.0_EN.pdf

Microchannel condenser coils for replacement - Installation manual for Trane chillers (English):
https://www.kaltra.com/wp-content/uploads/2021/10/IM_Trane-Replacement-Coils_Ver.3.0_EN.pdf

Microchannel condenser coils for replacement - Installation manual for Carrier chillers (English):
https://www.kaltra.com/wp-content/uploads/2021/10/IM_Carrier-Replacement-Coils_Ver.3.0_EN.pdf

REPAIR KITS

Kaltra offers repair kits for microchannel coils that include materials, tooling, and consumables for quick fixing of minor coil damages.

MCHE Repair Kits		
Manufacturer	Unit Series	Repair Kit Code
York	YLAA	MCHE-RK-YORK-YLAA
York	YVAA	MCHE-RK-YORK-YVAA
York	YVFA	MCHE-RK-YORK-YVFA
Trane	RTAF	MCHE-RK-TRANE-RTAF
Trane	ACS	MCHE-RK-TRANE-ACS
Carrier	30XA / 30XAS / 30XAV	MCHE-RK-CARRIER-30XA
Carrier	30RAP	MCHE-RK-CARRIER-30RA
Carrier	30RB / 30RBS / 30RBSY	MCHE-RK-CARRIER-30RB
Carrier	30RBM / 30RBP	MCHE-RK-CARRIER-30RBX
Carrier	30AV / 30KAV	MCHE-RK-CARRIER-30AV

NOTES

Lined area for notes, consisting of multiple horizontal lines.



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