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 HiRef

# CHILLERS & HEAT PUMPS PRODUCT LINE

2019

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HF65000090 Rev.D

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# CHILLERS & HEAT PUMPS PRODUCT LINE 2019

## AIR/WATER

	SOURCE	WORKING MODE	RANGE	REFRIGERANT	COMPRESSORS
<b>CBE</b>	INDOOR CHILLER REMOTE CONDENSED WITH DHW PRODUCTION		7 - 38** (kW)	R-410A	1 CIRCUIT FULL BLDC
<b>PCC</b>	PROCESS CHILLER WITH OPEN CIRCUIT AND UPGRATED PUMP		6 - 154** (kW)	R-410A, R-454B	SCROLL 1-2 REFRIGERANT CIRCUITS
<b>HPS</b>	COLD CLIMATE HEATPUMP -15°C AIR AND HOT WATER 58°C PRODUCTION		46 - 213*** (kW)	R-410A	SCROLL EVI VAPOUR INJ. 2 REFRIGERANT CIRCUITS
<b>HWC</b>	INDOOR CHILLER WITH DUCTED AIR DISCHARGE EC RADIAL FANS		61 - 220** (kW)	R-410A, R-454B	SCROLL 1-2 REFRIGERANT CIRCUITS
<b>MHA</b>	MODULATING CHILLER FOR VARIABLE LOADS AND WATER FLOW		33 - 309** (kW)	R-410A	SCROLL BLDC + ON/OFF 1-2 REFRIGERANT CIRCUITS VPF READY
<b>TPS</b>	COMMERCIAL CHILLER HEATPUMP AND FREE-COOLING CHILLER WITH BRAZED PLATE HEAT EXCHANGERS		54 - 432** (kW)	R-410A, R-454B	SCROLL 1-2 REFRIGERANT CIRCUITS
<b>CDA</b>	TRANSCRITICAL CO <sub>2</sub> CHILLER		108 - 540** (kW)	R-744	RECIPROCATING INVERTER DRIVEN
<b>MSA</b>	MULTIPURPOSE HEATPUMP SEPARATE DEFROST 3 EXPANSION VALVES EACH REFRIGERANT CIRCUIT		52 - 596** (kW)	R-410A, R-454B	SCROLL 2 REFRIGERANT CIRCUITS
<b>TSE</b>	INDOOR CHILLER REMOTE CONDENSED		48 - 706** (kW)	R-410A, R-454B	SCROLL 1-2 REFRIGERANT CIRCUITS
<b>TSL</b>	HIGH EFFICIENCY CHILLER HEATPUMP AND FREE-COOLING CHILLER WITH SHELL AND TUBE HEAT EXCHANGER		307 - 1015** (kW)	R-410A, R-454B	SCROLL 2-4 REFRIGERANT CIRCUITS
<b>MSL</b>	HIGH EFFICIENCY MULTIPURPOSE HEATPUMP		308 - 1200** (kW)	R-410A, R-454B	SCROLL 2-4 REFRIGERANT CIRCUITS
<b>TTX</b>	INDUSTRIAL APPLICATIONS CHILLER WITH MODULATING AND OIL - FREE CENTRIFUGAL COMPRESSOR		310 - 1160** (kW)	R-134a, R-1234ze	TURBOCOR

## AIR/WATER

SOURCE	WORKING MODE	RANGE	REFRIGERANT	COMPRESSORS
INDUSTRIAL APPLICATIONS CHILLER WITH ADIABATIC COOLING TECHNOLOGY		407 - 1309** (kW)	R-134a, R-1234ze	DOUBLE SCREW ON-OFF/ INVERTER DRIVEN
COMMERCIAL CHILLER HEATPUMP AND FREE-COOLING CHILLER		50 - 1310** (kW)	R-410A, R-454B	SCROLL 1-4 REFRIGERANT CIRCUITS
INDUSTRIAL APPLICATIONS CHILLER FOR MULTIPLE REFRIGERANT AND MODULAR LAYOUT		379 - 1416** (kW)	R-134a, R-1234ze, R-513A	DOUBLE SCREW ON-OFF/INVERTER DRIVEN

## WATER/WATER

SOURCE	WORKING MODE	RANGE	REFRIGERANT	COMPRESSORS
INDOOR MODULATING CHILLER WITH DHW AND 2 WATER PUMPS		12 - 51** (kW)	R-410A	SINGLE BLDC
HIGH TEMPERATURE MULTIPURPOSE WATER HEATPUMP		19 - 275** (kW)	R-134a	SCROLL 1-2 REFRIGERANT CIRCUITS
MULTIPURPOSE 1 ELECTRONIC EXPANSION VALVE EACH REFRIGERANT CIRCUIT 3 WATER CIRCUITS		51 - 473** (kW)	R-410A	SCROLL 1-2 REFRIGERANT CIRCUITS
HIGH TEMPERATURE WATER HEATPUMP (80°C) FOR INDUSTRIAL APPLICATION AND CASCADE SYSTEMS		38 - 590**** (kW)	R-134a	SCROLL 1-2 REFRIGERANT CIRCUITS EVAPORATION UP TO 40 °C
INDOOR CHILLER AND HEATPUMP		53 - 810** (kW)	R-410A, R-454B	SCROLL 1-2 REFRIGERANT CIRCUITS
INDOOR MODULATING UNIT WITH MODULATING AND OIL - FREE CENTRIFUGAL COMPRESSOR		338 - 1161** (kW)	R-134a, R-1234ze	TURBOCOR
INDOOR CHILLER WITH SCREW COMPRESSORS AND SHELL & TUBE EXCHANGERS		542 - 1613** (kW)	R-134a, R-1234ze, R-513A	DOUBLE SCREW ON-OFF/INVERTER DRIVEN
WATER MANAGEMENT MODULE TO GET FREE-COOLING AND MULTIPURPOSE SYSTEMS		10 - 200**** (kW)		NO COMPRESSORS

\*\*User side: T water in/out 16 /10 °C, source side : external air 35°C (air/water), T water in/out 30/35°C (water/water)  
 \*\*\* User side: Twater in/out 40/45°C, source side: external air 7°C  
 \*\*\*\* User side: Twater in/out 70/80°C, source side: Twater in/out 45/40°C

\*\*\*\*200 m³/h corresponding to 1.4 MW with ΔT=6 K  
 Technical data are subject to change without notice. Please do not use these data for the design phase.