

ITALIAN
COOLING
SOLUTIONS

 HiRef

CCAC & HDC PRODUCT LINE

2020

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HF6500080 rev.E

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	VERSION	REFRIGERANT	COOLING CAPACITY	AIR DISTRIBUTION
DIRECT EXPANSION CLOSE CONTROL AIR CONDITIONING UNIT WITH RADIAL FANS AND SCROLL COMPRESSORS				
JREF DX	DX	R-410A, R-407C, R-134a	7 - 25 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
CHILLED WATER CLOSE CONTROL AIR CONDITIONING UNIT WITH RADIAL FANS				
JREF CW	CW	WATER	18 - 33 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
DIRECT EXPANSION CLOSE CONTROL AIR CONDITIONING UNIT WITH CENTRIFUGAL FANS AND SCROLL COMPRESSORS				
JREF C DX	DX	R-410A, R-407C, R-134a	8 - 25 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
CHILLED WATER CLOSE CONTROL AIR CONDITIONING UNIT WITH CENTRIFUGAL FANS				
JREF C CW	CW	WATER	9 - 24 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
DUAL COOLING CLOSE CONTROL AIR CONDITIONING UNIT WITH RADIAL FANS AND SCROLL COMPRESSORS				
JREF DUAL COOLING	DX + CW	R-410A, R-407C, R-134a, WATER	12 - 20 (kW) DX 18 - 23 (kW) CW	DOWNFLOW UPFLOW DISPLACEMENT
INDIRECT FREE COOLING CLOSE CONTROL AIR CONDITIONING UNIT WITH RADIAL FANS AND SCROLL COMPRESSORS				
JREF FREE-COOLING	CW	R-410A, R-407C, R-134a, WATER	12 - 21 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
INVERTER DRIVEN CLOSE CONTROL AIR CONDITIONING UNIT WITH BLDC SCROLL COMPRESSORS				
NRG 2.0	DX	R-410A	10 - 143 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
DIRECT EXPANSION CLOSE CONTROL AIR CONDITIONING UNIT WITH A1 REFRIGERANT				
TREF DX A1	DX	R-410A, R-407C, R-134a, R-513A	27 - 142 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
CHILLED WATER CLOSE CONTROL AIR CONDITIONING UNIT				
TREF CW	CW	WATER	31 - 217 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
DUAL COOLING CLOSE CONTROL AIR CONDITIONING UNIT WITH RADIAL FANS AND SCROLL COMPRESSORS				
TREF DUAL COOLING	DX + CW	R-410A, R-407C, R-134a, WATER	24 - 131 (kW) DX 30 - 128 (kW) CW	DOWNFLOW UPFLOW DISPLACEMENT
INDIRECT FREE COOLING CLOSE CONTROL AIR CONDITIONING UNIT WITH RADIAL FANS AND SCROLL COMPRESSORS				
TREF FREE-COOLING	DX	R-410A, R-407C, R-134a, WATER	24 - 131 (kW)	DOWNFLOW UPFLOW DISPLACEMENT
DIRECT EXPANSION CLOSE CONTROL AIR CONDITIONING UNIT WITH A2L REFRIGERANT				
TREF DX A2L	DX	R-1234ze, R-454B	27 - 142 (kW)	DOWNFLOW UPFLOW DISPLACEMENT

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VERSION	REFRIGERANT	COOLING CAPACITY	AIR DISTRIBUTION
CHILLED WATER UNDERFLOOR CLOSE CONTROL UNIT			
CW	WATER	40 - 200 (kW)	DOWNFLOW
UNDERFLOOR FAN CLOSE CONTROL UNIT			
CW	WATER	69 - 256 (kW)	DOWNFLOW
UNDERFLOOR FAN CLOSE CONTROL UNIT			
CW	WATER	81 - 334 (kW)	DOWNFLOW
INDIRECT FREE COOLING UNIT WITH ADIABATIC COOLING			
DX, CW	R-410A, R-744, R-513A, R-1234ze	10 - 330 (kW)	DOWNFLOW

CCAC

ATOMISED WATER PRODUCTION	AIR DISTRIBUTION
0 - 28 (kg/h)	DOWNFLOW

VERSION	REFRIGERANT	RANGE	AIR DISTRIBUTION
HIGH PRECISION ULTRASONIC HUMIDIFIER WITH EC FANS			
			DOWNFLOW
19" HIGH DENSITY COOLING UNIT WITH ROTARY OR BLDC TWIN ROTARY COMPRESSORS			
DX	R-410A	3.6 - 7.9 (kW)	IN-RACK
MONOBLOC RACK COOLING UNIT WITH SCROLL COMPRESSORS			
DX	R-410A	6 - 10 (kW)	IN RACK IN ROW
HIGH DENSITY MOTO-CONDENSING COOLING UNIT WITH BLDC SCROLL COMPRESSORS			
DX	R-410A	11 - 33 (kW)	IN RACK IN ROW
HIGH DENSITY MOTO-EVAPORATING COOLING UNIT WITH BLDC SCROLL COMPRESSORS			
DX	R-410A	12 - 48 (kW)	IN RACK IN ROW

HDC

VERSION	RANGE	AIR DISTRIBUTION
CO₂ HIGH DENSITY COOLING UNIT		
DX	R-744	25 - 50 (kW)
CHILLED WATER HIGH DENSITY COOLING UNIT		
CW	WATER	20 - 57 (kW)
HIGH DENSITY MODULAR SOLUTION		
DX, CW	10 - ... (kW)	IN RACK IN ROW

COOLING CAPACITY
 CCAC & HDC DX: Inlet air condition 30°C, 35% r.h.; condensation temperature 45°C
 CCAC & HDC CW: Inlet air condition 30°C, 35% r.h, Tw = 10/15 °C

Technical data are subject to change without notice. Please do not use these data for the design phase.



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