

AIRCOOLED CHILLERS WITH CENTRIFUGAL COMPRESSORS REFRIGERANT R134A

PRELIMINARY

Technical data

MODEL	RAC...Ka	4002	4802	1773	1884
Cooling capacity 1)	kW	500	597	904	1050
Absorbed power	kW	127	105	158	273,6
C.O.P	kW/kW	3,94	5,69	5,72	3,84
Centrifugal compressors					
Quantity	n	2	2	3	4
Continuous control capacity			standard		
Circuits	n	2	2	3	4
Nominal absorbed current	A	201	150	226	434
Maximum absorbed current	A	264	120	120	264
Inrush current	A	264	120	120	264
Axial fans					
Quantity	n	12	12	16	16
Motors power	kW	24	24	52,8	52,8
Total air flow	m ³ /h	234.000	234.000	416.000	416.000
Shell & tube evaporator					
Quantity	n	1	1	1	1
Water flow rate	m ³ /h	86,1	102,6	162,0	180,6
Pressure drop	kPa	27	39	40	40
Sound pressure level 2)	dB(A)	70	59	60	60
Dimensions					
Lenght	mm	8.200	8.200	12.350	12.350
Width	mm	2.250	2.250	2.300	2.300
Height	mm	2.370	2.370	2.700	2.700
Transport weight 3)	kg	6.000	6.107	12.890	13.010
Power supply		400 V / 50 Hz / 3 Ph + T			

1) Nominal condition referred to: air 32 °C - chilled water 7/12 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

**AIRCOOLED CHILLERS WITH CENTRIFUGAL COMPRESSORS
REFRIGERANT R134A
FREE-COOLING VERSION**

PRELIMINARY

Technical data

MODEL	RAC...Ka	5502.F
Cooling capacity 1)	kW	540
Absorbed power	kW	148
C.O.P	kW/kW	3,65
Free-cooling operation		
Cooling capacity in free cooling 4)	kW	266
Free cooling pressure drop	kPa	98
Centrifugal compressors		
Quantity	n	2
Continuous control capacity		standard
Circuits	n	2
Nominal absorbed current	A	234
Maximum absorbed current	A	132
Inrush current	A	132
Axial fans		
Quantity	n	12
Motors power	kW	24
Total air flow	m ³ /h	198.000
Shell & tube evaporator		
Quantity	n	1
Water flow rate	m ³ /h	98,4
Pressure drop	kPa	38
Sound pressure level 2)	dB(A)	78
Dimensions		
Lenght	mm	8.200
Width	mm	2.250
Height	mm	2.370
Transport weight 3)	kg	6.800
Power supply		400 V / 50 Hz / 3 Ph + 1

1) Nominal condition referred to: air 32 °C - chilled water 7/12 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included

4) External air temperature: 5°C - Inlet fluid temperature 12°C - ethyl. Gly. 20%

WATERCOOLED CHILLERS WITH CENTRIFUGAL COMPRESSORS REFRIGERANT R134A

PRELIMINARY

Technical data

MODEL	RWT...Ka	802
Cooling capacity 1)	kW	800
Absorbed power	kW	170,8
C.O.P	kW/kW	4,68
Centrifugal compressors		
Quantity	n	2
Continuous control capacity		standard
Circuits	n	2
Nominal absorbed current	A	281
Maximum absorbed current	A	420
Inrush current	A	450
Shell and tube evaporator		
Quantity	n	1
Water flow rate 1)	m ³ /h	114,3
Pressure drop 1)	kPa	35
Shell and tube condenser		
Quantity	n	2
Water flow rate 1)	m ³ /h	137
Pressure drop 1)	kPa	35
Sound pressure level 2)	dB(A)	70
Dimensions		
Length	mm	5.200
Width	mm	1.300
Height	mm	2.370
Transport weight 3)	kg	6.132
Power supply	400 V / 50 Hz / 3 Ph + T	

1) Nominal condition referred to: chilled water 12/6 °C - cooling water 26/32 °C

2) Measured at 1 m in open field (ISO 3746)

3) Oil and refrigerant charge included