

TECHNICAL DATA

ambient temp. °C	emulsion °C	oil °C	gamma 5	gamma 7	gamma 9	gamma 13	gamma 16	gamma 18	gamma 22
			cooling capacity kW						
32	10	15	3,6	5,6	7,0	10,1	12,2	14,8	17,6
	15	20	4,4	6,6	8,2	11,9	14,3	17,3	20,7
	20	25	4,9	7,3	9,1	13,0	15,8	19,0	22,4
37	10	15	3,2	5,5	6,4	9,5	11,3	13,8	17,4
	15	20	4,0	6,5	7,6	11,1	13,4	16,4	20,7
	20	25	4,5	7,1	8,3	12,2	14,8	17,9	22,4
42	10	15	3,6	5,1	6,3	9,1	9,5	13,6	16,3
	15	20	3,8	6,1	7,5	10,6	11,8	16,1	19,2
	20	25	4,3	6,8	8,3	11,6	13,4	17,7	21,1

EMULSION

refrigerant	refrigerant charge	kg	R134a		R410A			
			1,3	1,3	1,4	1,6	2,5	2,5
sound pressure level*(1) user side	dB(A)		68				64	
power consumption max. *(2)	kW		3,6	4,0	4,6	6,0	6,7	8,3
current consumption max. *(2)	A		6,6	7,4	7,7	8,4	12,4	17,2
condenser			1				2	
air flow rate max.	m³/h		4500				6000	
A / B / C	mm		785/785/1310		785/785/1410		1085/1085/1940	
height of machinery top	mm		815				1280	
length of immersion part	mm		715				1000	
width of immersion part	mm		715				1000	
immersion depth	mm		500		600		660	
minimum coolant level	mm		60		80	110	130	150
weight (approx.)	kg		130	130	140	150	160	260

OIL

refrigerant	refrigerant charge	kg	R134a		R410A			
			1,5	1,5	1,6	1,7	1,9	3,2
sound pressure level*(1) user side	dB(A)		68				64	
power consumption max. *(2)	kW		3,6	4,0	4,6	6,0	6,7	8,3
current consumption max. *(2)	A		6,6	7,4	7,7	8,4	12,4	17,2
condenser			1				2	
air flow rate max.	m³/h		4500				6000	
A / B / C	mm		785/785/1215		785/785/1315		1085/1085/1940	
height of machinery top	mm		815				1280	
length of immersion part	mm		715				1000	
width of immersion part	mm		715				1000	
immersion depth	mm		500		600		660	
minimum coolant level	mm		110	150		200	220	240
weight (approx.)	kg		140	140	150	160	170	310

*(1) sound pressure level measured in free field at a distance of 1m and 1,2m height with tolerance of +/- 1dB(A)

*(2) at 42°C ambient temperature and 20°C medium temperature

Technical data temporarily
Max. viscosity ISO VG 32

TECHNICAL DESCRIPTION:

- Agitator for better heat transfer
- Frame and evaporator made in stainless steel
- Economical and low-noise Scroll compressor
- Micro channel condenser made in Aluminum
- Free programmable temperature control with digital thermostat +/- 1,0 K
- External starting function of chiller
- Star/Delta speed control
- Air inlet filter
- Potential free collected failure alarm
- Individual housing color (optional, RAL color)

OPTIONS:

- Speed-controlled compressor or fan
- DC control voltage
- All common power supplies possible
- More powerful air fan for higher exhaust air pressure
- Harting- or Wieland connectors
- Exact temperature control, e.g. +/- 0,1 K
- Ambient temperature > 42° C
- Refrigerant R134a or R404A
- Differential control
- Water cooled condenser
- Additional options on demand

TECHNICAL DATA

ambient temp. °C	emulsion °C	oil °C	gamma 28	gamma 34	gamma 42	gamma 52	gamma 56	gamma 67	gamma 80
			cooling capacity kW						
32	10	15	22,1	26,4	32,1	39,6	44,3	52,8	64,3
	15	20	26,0	30,6	37,7	46,2	52,1	61,3	75,5
	20	25	28,7	34,2	42,2	52,5	57,4	68,5	84,5
37	10	15	20,9	24,6	30,3	35,9	41,9	49,3	60,6
	15	20	24,6	28,9	35,6	42,8	49,2	57,9	71,2
	20	25	26,3	31,8	38,6	49,7	52,7	63,8	77,8
42	10	15	20,3	23,6	25,7	34,0	40,7	47,2	51,4
	15	20	24,2	28,1	31,6	40,9	48,5	56,3	63,3
	20	25	26,3	30,9	35,7	48,0	52,7	62,0	71,4

EMULSION

refrigerant	refrigerant charge	kg	R410A						
			2,6	3,0	3,3	4,8	6,0	7,5	8,5
sound pressure level*(1) user side	dB(A)		64		71			72	
power consumption max. *(2)	kW		10,7	12,9	16,7	18,9	18,7	25,1	28,9
current consumption max. *(2)	A		20,1	23,9	27,5	32,3	32,1	42,3	47,5
condenser			1			2			
air flow rate max.	m³/h		6000	6800	10000	10800	15500		
A / B / C	mm		1085/1085/1940						
height of machinery top	mm		1280						
length of immersion part	mm		1000						
width of immersion part	mm		1000						
immersion depth	mm		660						
minimum coolant level	mm		180	220	240	340	410	520	
weight (approx.)	kg		270	280	290	320	330	340	350

OIL

refrigerant	refrigerant charge	kg	R410A						
			3,7	4,6	4,7	6,7	8,3	10,4	11,2
sound pressure level*(1) user side	dB(A)		64		71			72	
power consumption max. *(2)	kW		10,7	12,9	16,7	19,0	18,8	25,2	29,0
current consumption max. *(2)	A		20,1	23,9	27,5	32,8	32,3	42,5	47,7
condenser			1			2			
air flow rate max.	m³/h		6000	6800	10000	10800	15500		
A / B / C	mm		1085/1085/1940			1605/1085/1940			
height of machinery top	mm		1280						
length of immersion part	mm		1000						
width of immersion part	mm		1000			1515			
immersion depth	mm		660						
minimum coolant level	mm		340	410	520	240	340	410	520
weight (approx.)	kg		330	360	390	410	420	440	460

*(1) sound pressure level measured in free field at a distance of 1m and 1,2m height with tolerance of +/- 1dB(A)

*(2) at 42°C ambient temperature and 20°C medium temperature

Technical data temporarily
Max. viscosity ISO VG 32

