

# Datasheet EKE MT



SEPR



Air-Cooled Liquid Chillers for Medium Temperature Applications

Nominal cooling capacity: 5-193 kW | 50 Hz



**EUROKLIMAT**  
Cooling System Solutions

# EKE MT

7-1-1 PE ↔ 173-2-2 PE



Brazen plate heat exchanger



Semi-hermetic piston compressor



Axial fan



Cu/Al condensing coils



SEPR

Air to water chillers for medium temperature applications



## Solution

B - Base  
P - Base with pump  
I - Integrata

## Version

ST - Standard  
LN - Low Noise  
SL - Super Low Noise

## Equipment

AS - Standard equipment  
DS - Desuperheater

Cooling capacity: 5-193 kW

<b>Structure</b>	Structure specifically designed and built to guarantee total resistance to atmospheric agents and corrosion. Basement and panels made of galvanized steel sheet, oven-painted with polyurethane powders. Frame made of anodized aluminium profiles, with aluminium alloy corner joints that guarantee excellent mechanical resistance and low weight. <b>LN</b> (Low Noise) version: the panels are internally lined with sound-absorbing material. <b>SL</b> (Super Low Noise) version: the panels are sandwich and insulated with rock wool.
<b>Compressor</b>	Reciprocating semi-hermetic type compressor equipped with: electronic control module and protection of the electric motor (installed inside the electrical panel); oil charge; oil level sight glass and oil crankcase heater; anti-vibration rubber supports; anti-vibration pipes (suction and discharge); suction and discharge valves. The compressor can be supplied with one or more RSH capacity control heads to guarantee an adaptation of the cooling capacity in case of thermal load's reduction.
<b>EC Fan (standard)</b>	Premium-Axial-Fans with bionic shaped blades and high-efficient EC (Electronically Commutated) external rotor motors, sealed in protection IP54 and thermal class THCL 155. The motor efficiency class complies with IE4.
<b>AC Fan (optional)</b>	Low speed, axial-flow fans fitted with accident-prevention protective grille on air inlet; directly coupled motor with built-in thermal cut-out. Aerodynamic housing and the profile of blades increase efficiency and decrease noise level. Protection degree IP 54.
<b>Air heat exchanger</b>	Finned coil made with copper pipes arranged on staggered rows, mechanically expanded inside a pack of aluminium fins offering a high exchange surface area.
<b>Water heat exchanger</b>	Brazen plate-type heat exchanger, stainless steel AISI 316 made, complete with water differential pressure switch, air vent valve and thermally insulated with closed-cell neoprene anti-condensate material. The heat exchanger design provides high thermal exchange and high performance results, furthermore it guarantees small dimensions and easy installation and maintenance.
<b>Electrical board</b>	Each unit is equipped with electric panel, built, wired and fully tested at the factory. Wiring numeration and optimized layout facilitate troubleshooting. The installed components are identified by nameplates to better identify the application and the type of action. Switchboard is made according to standards IEC 204-1/EN60204-1 and it is complete with the following main components: - Main isolator switch - Door interlock safety device - Contactor and protection for compressor and fans - Cabinet minimum protection rating IP54.
<b>Control</b>	The microprocessor controls the unit capacity by timing the compressors and checks the operating alarms with the possibility to connect to BMS.
<b>Refrigerant circuit</b>	Filter drier, moisture-liquid sight glass, electronic expansion valve, high & low pressure gauge, high and low pressure transducers, high pressure switch, safety high pressure valve (when required by EN 378-2016 standard).
<b>Water circuit (Integrata)</b>	<b>Base version:</b> as interface to the plant, includes the water fittings of the evaporator only. <b>Integrated version:</b> Water storage tank, water pressure gauge, safety valve, water discharge valve, centrifugal pump(s) suitable for glycol solutions up to 40%, manual by-pass valve, manual air venting valve. The pump control equipment is fitted inside the electrical board of the unit and the microprocessor control manages the pump starting, timing and all the safety devices of the whole system.

## MAIN ACCESSORIES

- Anti-vibration rubber/spring mounts
- Air heat exchanger protection panel or filter
- Air heat exchanger with various coatings treatment
- Low pressure switch
- Low pressure safety valve
- Double safety valve
- Overpressure valve / automatic by-pass
- Double water pump (stand-by) - Standard/ High pressure
- Open / Closed expansion vessel with automatic filling unit
- Min./max. voltage relay
- Advanced control c.p.Co

# EKE MT

## Technical data

EKE MT range		21	31	51	81
<b>COOLING - A BP/ST/AS/EC/*S version</b>					
Cooling capacity <sup>(1)</sup>	[kW]	5,17	7,33	9,76	13,5
Total power input <sup>(1)</sup>	[kW]	3,16	4,12	5,24	7,39
EER - Energy Efficiency Ratio	-	1,64	1,78	1,86	1,83

<b>REFRIGERANT CIRCUIT</b>					
Refrigerant	-	R449A			
GWP	-	1282			
Independent gas circuits	[n°]	1	1	1	1
Compressors type	-	Semi-hermetic pistons			
Compressors quantity	[n°]	1	1	1	1
Steps of capacity for each compressor (std)	-	1	1	2	2
Condensing coils type	-	Cu/Al			
Fans type	-	Axial EC			
Fans quantity	[n°]	1	1	1	1
Fans power input <sup>(1)</sup> (total)	[kW]	0,5	0,5	0,51	0,81
Total air flow	[m <sup>3</sup> /h]	3.248	5.929	5.685	11.410
Expansion valve type	-	Electronic			
Evaporator water flow <sup>(1)</sup>	[m <sup>3</sup> /h]	0,8	1,2	1,5	2,1
Evaporator pressure drop <sup>(1)</sup>	[kPa]	23	30	21	21

<b>DESUPERHEATER (option) - A BP/ST/DS/EC/*S</b>					
Heating capacity <sup>(2)</sup>	[kW]	1,51	1,89	2,58	3,4
Water flow	[m <sup>3</sup> /h]	0,26	0,33	0,45	0,59
Pressure drop (water side)	[kPa]	0,1	0,2	0,2	0,4

<b>Electrical data</b>					
Power supply	-	400/3/50			
Emergency power supply	-	230/1/50			
Maximum power input without pump	[kW]	4,7	6,2	7,9	11,1
Locked rotor current – LRA without pump	[A]	44,5	52,9	64,0	88,8
Maximum absorbed current - FLA without pump	[A]	9,6	13,4	14,7	21,5

<b>HYDRONIC KIT (option)</b>					
Buffer tank capacity	[L]	30	30	30	60
Pump type	-	Peripheral	Centrifugal	Centrifugal	Centrifugal

<b>Standard pump - 150 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	0,37	0,37	0,37	0,37
Pump motor nominal current	[A]	1,15	1,15	1,4	1,4

<b>Standard pump - 300 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	0,55	0,55	0,55	0,55
Pump motor nominal current	[A]	2,4	2,4	2	2

<b>Standard pump - 500 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	0,55	0,55	1,1	1,1
Pump motor nominal current	[A]	2,2	2,2	3,3	3,3

<b>Water connections</b>					
Dimension (nominal external diameter)	[inch/DN]	1/2" (DN15)	1/2" (DN15)	1/2" (DN15)	1" (DN 25)

<b>Noise levels<sup>(3)</sup></b>					
Total sound power (ST version)	[db(A)]	82	76	76	77
Total sound pressure (ST version) - at 1 m distance	[db(A)]	67	60	60	60
Total sound pressure (ST version) - at 10 m distance	[db(A)]	51	44	45	45
Total sound power (LN version)	[db(A)]	79	73	73	74
Total sound pressure (LN version) - at 1 m distance	[db(A)]	64	57	57	57
Total sound pressure (LN version) - at 10 m distance	[db(A)]	48	41	42	42
Total sound power (SL version)	[db(A)]	77	71	71	72
Total sound pressure (SL version) - at 1 m distance	[db(A)]	65	58	59	58
Total sound pressure (SL version) - at 10 m distance	[db(A)]	46	40	40	41

#### Reference conditions:

(1) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - Condensing coil: Cu/Al

(2) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - DESUPERHEATER water temperature IN/OUT = 40/45 °C - Fluid: water -Condensing coil: Cu/Al

(3) Sound power level in compliance with ISO 3744 - Sound pressure level (average) at 10 meter distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

# EKE MT

## Technical data

EKE MT range		121	151	201	251
<b>COOLING - A BP/ST/AS/EC/*S version</b>					
Cooling capacity <sup>(1)</sup>	[kW]	16,8	19,4	22,9	28,5
Total power input <sup>(1)</sup>	[kW]	8,59	10,1	11,9	15,1
EER - Energy Efficiency Ratio	-	1,96	1,92	1,92	1,89

<b>REFRIGERANT CIRCUIT</b>					
Refrigerant	-	R449A			
GWP	-	1282			
Independent gas circuits	[n°]	1	1	1	1
Compressors type	-	Semi-hermetic pistons			
Compressors quantity	[n°]	1	1	1	1
Steps of capacity for each compressor (std)	-	2	2	2	2
Condensing coils type	-	Cu/Al			
Fans type	-	Axial EC			
Fans quantity	[n°]	1	1	2	2
Fans power input <sup>(1)</sup> (total)	[kW]	0,85	0,85	1,71	1,71
Total air flow	[m <sup>3</sup> /h]	10.710	10.720	21.320	21.330
Expansion valve type	-	Electronic			
Evaporator water flow <sup>(1)</sup>	[m <sup>3</sup> /h]	2,6	3,0	3,6	4,5
Evaporator pressure drop <sup>(1)</sup>	[kPa]	22	21	25	30

<b>DESUPERHEATER (option) - A BP/ST/DS/EC/*S</b>					
Heating capacity <sup>(2)</sup>	[kW]	4,11	4,95	5,06	7,02
Water flow	[m <sup>3</sup> /h]	0,71	0,86	0,88	1,22
Pressure drop (water side)	[kPa]	0,2	0,3	0,4	0,4

<b>Electrical data</b>					
Power supply	-	400/3/50			
Emergency power supply	-	230/1/50			
Maximum power input without pump	[kW]	12,6	14,7	17,6	22,4
Locked rotor current – LRA without pump	[A]	60,6	76,3	90,5	121,3
Maximum absorbed current - FLA without pump	[A]	23,9	33,9	41,4	46,5

<b>HYDRONIC KIT (option)</b>					
Buffer tank capacity	[L]	60	60	160	160
Pump type	-	Centrifugal			

<b>Standard pump - 150 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	1,4	1,4	1,9	1,9
Pump motor nominal current	[A]	1,6	1,6	1,7	1,6

<b>Standard pump - 300 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	1,9	2,5	2,5	2,5
Pump motor nominal current	[A]	2,5	2,7	2,6	2,5

<b>Standard pump - 500 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	4,5	4,5	4,5	4,5
Pump motor nominal current	[A]	4,9	4,8	4,7	4,5

<b>Water connections</b>					
Dimension (nominal external diameter)	[inch/DN]	1" (DN 25)	1" (DN 25)	1" (DN 25)	1" (DN 25)

<b>Noise levels<sup>(3)</sup></b>					
Total sound power (ST version)	[dB(A)]	79	80	81	81
Total sound pressure (ST version) - at 1 m distance	[dB(A)]	62	63	63	63
Total sound pressure (ST version) - at 10 m distance	[dB(A)]	47	48	49	49
Total sound power (LN version)	[dB(A)]	76	77	78	78
Total sound pressure (LN version) - at 1 m distance	[dB(A)]	59	60	60	60
Total sound pressure (LN version) - at 10 m distance	[dB(A)]	44	45	46	46
Total sound power (SL version)	[dB(A)]	74	75	76	76
Total sound pressure (SL version) - at 1 m distance	[dB(A)]	60	61	61	61
Total sound pressure (SL version) - at 10 m distance	[dB(A)]	43	43	45	45

### Reference conditions:

(1) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - Condensing coil: Cu/Al

(2) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - DESUPERHEATER water temperature IN/OUT = 40/45 °C - Fluid: water - Condensing coil: Cu/Al

(3) Sound power level in compliance with ISO 3744 - Sound pressure level (average) at 10 meter distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

EKE MT range		301	351	401	502
<b>COOLING - A BP/ST/AS/EC/*S version</b>					
Cooling capacity <sup>(1)</sup>	[kW]	35,4	42,5	50,2	56,4
Total power input <sup>(1)</sup>	[kW]	19,9	24,5	27,9	29,5
EER - Energy Efficiency Ratio	-	1,78	1,73	1,80	1,91

<b>REFRIGERANT CIRCUIT</b>					
Refrigerant	-	R449A			
GWP	-	1282			
Independent gas circuits	[n°]	1	1	1	2
Compressors type	-	Semi-hermetic pistons			
Compressors quantity	[n°]	1	1	1	2
Steps of capacity for each compressor (std)	-	2	3	3	2
Condensing coils type	-	Cu/Al			
Fans type	-	Axial EC			
Fans quantity	[n°]	2	2	2	3
Fans power input <sup>(1)</sup> (total)	[kW]	4,25	4,24	4,38	2,36
Total air flow	[m <sup>3</sup> /h]	26.200	34.760	32.130	35.450
Expansion valve type	-	Electronic			
Evaporator water flow <sup>(1)</sup>	[m <sup>3</sup> /h]	5,6	6,6	7,9	8,8
Evaporator pressure drop <sup>(1)</sup>	[kPa]	32	33	35	30

<b>DESUPERHEATER (option) - A BP/ST/DS/EC/*S</b>					
Heating capacity <sup>(2)</sup>	[kW]	7,7	10,5	12,2	15
Water flow	[m <sup>3</sup> /h]	1,34	1,83	2,12	2,58
Pressure drop (water side)	[kPa]	0,5	0,6	0,6	0,4

<b>Electrical data</b>					
Power supply	-	400/3/50			
Emergency power supply	-	230/1/50			
Maximum power input without pump	[kW]	29,5	35,9	40,9	43,8
Locked rotor current – LRA without pump	[A]	140,4	152,3	167,0	166,3
Maximum absorbed current - FLA without pump	[A]	57,0	68,0	79,7	91,5

<b>HYDRONIC KIT (option)</b>					
Buffer tank capacity	[L]	290	290	290	290
Pump type	-	Centrifugal			

<b>Standard pump - 150 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	0,9	0,9	0,9	1,1
Pump motor nominal current	[A]	4,3	4,3	4,3	3,3

<b>Standard pump - 300 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	4,1	4,1	4,1	4,7
Pump motor nominal current	[A]	2,8	2,7	2,7	3,1

<b>Standard pump - 500 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	6,4	6,4	6,4	8,7
Pump motor nominal current	[A]	4,7	4,6	5,3	4,8

<b>Water connections</b>					
Dimension (nominal external diameter)	[inch/DN]	1" 1/2 (DN 40)	1" 1/2 (DN 40)	1" 1/2 (DN 40)	2" (DN 50)

<b>Noise levels<sup>(3)</sup></b>					
Total sound power (ST version)	[db(A)]	89	89	90	89
Total sound pressure (ST version) - at 1 m distance	[db(A)]	71	71	72	70
Total sound pressure (ST version) - at 10 m distance	[db(A)]	57	58	58	57
Total sound power (LN version)	[db(A)]	86	86	87	86
Total sound pressure (LN version) - at 1 m distance	[db(A)]	68	68	69	67
Total sound pressure (LN version) - at 10 m distance	[db(A)]	54	55	55	54
Total sound power (SL version)	[db(A)]	84	84	85	84
Total sound pressure (SL version) - at 1 m distance	[db(A)]	69	68	69	67
Total sound pressure (SL version) - at 10 m distance	[db(A)]	53	53	53	52

#### Reference conditions:

(1) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - Condensing coil: Cu/Al

(2) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - DESUPERHEATER water temperature IN/OUT = 40/45 °C - Fluid: water -Condensing coil: Cu/Al

(3) Sound power level in compliance with ISO 3744 - Sound pressure level (average) at 10 meter distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

# EKE MT

## Technical data

EKE MT range		602	702	802	1002
<b>COOLING - A BP/ST/AS/EC/*S version</b>					
Cooling capacity <sup>(1)</sup>	[kW]	67,1	83,9	101	128
Total power input <sup>(1)</sup>	[kW]	38,7	47,5	54,9	66,8
EER - Energy Efficiency Ratio	-	1,73	1,77	1,84	1,92

<b>REFRIGERANT CIRCUIT</b>					
Refrigerant	-	R449A			
GWP	-	1282			
Independent gas circuits	[n°]	2	2	2	2
Compressors type	-	Semi-hermetic pistons			
Compressors quantity	[n°]	2	2	2	2
Steps of capacity for each compressor (std)	-	2	3	3	3
Condensing coils type	-	Cu/Al			
Fans type	-	Axial EC			
Fans quantity	[n°]	3	3	4	4
Fans power input <sup>(1)</sup> (total)	[kW]	6,42	6,63	7,79	8,01
Total air flow	[m <sup>3</sup> /h]	50.980	46.850	80.000	76.460
Expansion valve type	-	Electronic			
Evaporator water flow <sup>(1)</sup>	[m <sup>3</sup> /h]	10,5	13,1	15,9	20,1
Evaporator pressure drop <sup>(1)</sup>	[kPa]	34	36	41	50

<b>DESUPERHEATER (option) - A BP/ST/DS/EC/*S</b>					
Heating capacity <sup>(2)</sup>	[kW]	16,9	21,9	24,4	29,5
Water flow	[m <sup>3</sup> /h]	2,92	3,80	4,23	5,16
Pressure drop (water side)	[kPa]	0,6	0,6	0,6	0,7

<b>Electrical data</b>					
Power supply	-	400/3/50			
Emergency power supply	-	230/1/50			
Maximum power input without pump	[kW]	56,6	69,3	81,7	97,5
Locked rotor current – LRA without pump	[A]	193,5	216,4	246,7	294,6
Maximum absorbed current - FLA without pump	[A]	110,1	132,1	159,4	196,4

<b>HYDRONIC KIT (option)</b>					
Buffer tank capacity	[L]	290	290	470	470
Pump type	-	Centrifugal			

<b>Standard pump - 150 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	1,1	2,2	2,2	2,2
Pump motor nominal current	[A]	3,3	4,7	4,7	4,7

<b>Standard pump - 300 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	4,7	4,7	8,7	8,7
Pump motor nominal current	[A]	3,0	2,8	3,2	3,0

<b>Standard pump - 500 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	8,7	13,6	13,6	13,6
Pump motor nominal current	[A]	4,6	5,0	4,9	4,7

<b>Water connections</b>					
Dimension (nominal external diameter)	[inch/DN]	2" (DN 50)	2" (DN 50)	2 1/2" (DN 65)	2 1/2" (DN 65)

<b>Noise levels<sup>(3)</sup></b>					
Total sound power (ST version)	[dB(A)]	90	90	91	91
Total sound pressure (ST version) - at 1 m distance	[dB(A)]	71	71	72	72
Total sound pressure (ST version) - at 10 m distance	[dB(A)]	58	58	59	59
Total sound power (LN version)	[dB(A)]	87	87	88	88
Total sound pressure (LN version) - at 1 m distance	[dB(A)]	68	68	69	69
Total sound pressure (LN version) - at 10 m distance	[dB(A)]	55	55	56	56
Total sound power (SL version)	[dB(A)]	85	85	86	86
Total sound pressure (SL version) - at 1 m distance	[dB(A)]	68	68	66	66
Total sound pressure (SL version) - at 10 m distance	[dB(A)]	53	53	54	54

#### Reference conditions:

(1) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - Condensing coil: Cu/Al

(2) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - DESUPERHEATER water temperature IN/OUT = 40/45 °C - Fluid: water - Condensing coil: Cu/Al

(3) Sound power level in compliance with ISO 3744 - Sound pressure level (average) at 10 meter distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

# EKE MT

## Technical data

EKE MT range		1202	1402	1502	1602
<b>COOLING - A BP/ST/AS/EC/*S version</b>					
Cooling capacity <sup>(1)</sup>	[kW]	156	170	185	193
Total power input <sup>(1)</sup>	[kW]	82,1	91,1	98,5	102
EER - Energy Efficiency Ratio	-	1,90	1,87	1,88	1,89

<b>REFRIGERANT CIRCUIT</b>					
Refrigerant	-	R449A			
GWP	-	1282			
Independent gas circuits	[n°]	2	2	2	2
Compressors type	-	Semi-hermetic pistons			
Compressors quantity	[n°]	2	2	2	2
Steps of capacity for each compressor (std)	-	4	4	4	4
Condensing coils type	-	Cu/Al			
Fans type	-	Axial EC			
Fans quantity	[n°]	6	6	6	6
Fans power input <sup>(1)</sup> (total)	[kW]	11,5	11,5	11,5	11,5
Total air flow	[m <sup>3</sup> /h]	122.100	122.200	122.200	122.200
Expansion valve type	-	Electronic			
Evaporator water flow <sup>(1)</sup>	[m <sup>3</sup> /h]	24,4	26,6	28,9	30,1
Evaporator pressure drop <sup>(1)</sup>	[kPa]	30	29	32	32

<b>DESUPERHEATER (option) - A BP/ST/DS/EC/*S</b>					
Heating capacity <sup>(2)</sup>	[kW]	36,6	41,3	45,2	47
Water flow	[m <sup>3</sup> /h]	6,36	7,16	7,84	8,19
Pressure drop (water side)	[kPa]	0,9	13,4	14,3	14,2

<b>Electrical data</b>					
Power supply	-	400/3/50			
Emergency power supply	-	230/1/50			
Maximum power input without pump	[kW]	124,4	135,4	145,4	153,4
Locked rotor current – LRA without pump	[A]	452,9	530,2	568,8	576,1
Maximum absorbed current - FLA without pump	[A]	230,4	257,0	280,2	294,8

<b>HYDRONIC KIT (option)</b>					
Buffer tank capacity	[L]	470	470	470	470
Pump type	-	Centrifugal			

<b>Standard pump - 150 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	2,2	3	3	3
Pump motor nominal current	[A]	4,7	6,4	6,4	6,4

<b>Standard pump - 300 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	4	4	4	4
Pump motor nominal current	[A]	8,7	8,7	8,7	8,7

<b>Standard pump - 500 kPa useful head</b>					
Motor Efficiency	-	IE3			
Pump motor nominal power	[kW]	7,5	7,5	7,5	7,5
Pump motor nominal current	[A]	13,6	13,6	13,6	13,6

<b>Water connections</b>					
Dimension (nominal external diameter)	[inch/DN]	3" (DN 80)	3" (DN 80)	3" (DN 80)	3" (DN 80)

<b>Noise levels<sup>(3)</sup></b>					
Total sound power (ST version)	[dB(A)]	92	93	93	94
Total sound pressure (ST version) - at 1 m distance	[dB(A)]	72	73	73	74
Total sound pressure (ST version) - at 10 m distance	[dB(A)]	60	60	60	61
Total sound power (LN version)	[dB(A)]	89	90	90	91
Total sound pressure (LN version) - at 1 m distance	[dB(A)]	69	70	70	71
Total sound pressure (LN version) - at 10 m distance	[dB(A)]	57	57	57	58
Total sound power (SL version)	[dB(A)]	87	88	88	89
Total sound pressure (SL version) - at 1 m distance	[dB(A)]	67	67	67	68
Total sound pressure (SL version) - at 10 m distance	[dB(A)]	55	55	55	56

#### Reference conditions:

(1) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - Condensing coil: Cu/Al

(2) Condenser air intake temperature = 35 °C - Evaporator water temperature IN/OUT = -2/-8 °C - Fluid: MPG 35% - DESUPERHEATER water temperature IN/OUT = 40/45 °C - Fluid: water -Condensing coil: Cu/Al

(3) Sound power level in compliance with ISO 3744 - Sound pressure level (average) at 10 meter distance, unit in a free field on a reflective surface; non-binding value obtained from the sound power level

# EKE MT

## Dimensions and weights

EKE MT range		21	31	51	81	121
<b>DIMENSIONS AND WEIGHTS - Standard unit</b>						
Lenght	[mm]	830	980	980	1280	1280
Width	[mm]	645	795	795	990	990
Height (ST - LN)	[mm]	1405	1820	1820	2090	2090
Height (SL)	[mm]	-	-	-	2208	2208
Shipping weight (A BP/ST/AS/** version)	[kg]	190	280	305	390	435
Operating weight (A BP/ST/AS/** version)	[kg]	195	285	310	395	440

<b>DIMENSIONS - Large unit</b>						
Lenght	[mm]	980	1280	1280	1930	1930
Width	[mm]	795	990	990	990	990
Height (ST - LN)	[mm]	1820	2090	2090	2190	2190
Height (SL)	[mm]	-	2208	2208	2308	2308

<b>Unit dimensions with hydronic kit</b>						
Integrata LP 1-0 OO	-	LARGE	Standard	Standard	Standard	Standard
Integrata LP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE
Integrata MP 1-0 OO	-	LARGE	Standard	Standard	Standard	Standard
Integrata MP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE
Integrata HP 1-0 OO	-	LARGE	Standard	Standard	Standard	Standard
Integrata HP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE
Base-P LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P LP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE
Base-P MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P MP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE
Base-P HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P HP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE

EKE MT range		151	201	251	301	351
<b>DIMENSIONS AND WEIGHTS - Standard unit</b>						
Lenght	[mm]	1280	1930	1930	2580	2580
Width	[mm]	990	990	990	990	990
Height (ST - LN)	[mm]	2090	2190	2190	2268	2268
Height (SL)	[mm]	2208	2308	2308	2360	2360
Shipping weight (A BP/ST/AS/EC/** version)	[kg]	505	590	660	805	825
Operating weight (A BP/ST/AS/EC/** version)	[kg]	510	595	665	812	832

<b>DIMENSIONS - Large unit</b>						
Lenght	[mm]	1930	2580	2580	3520	3520
Width	[mm]	990	990	990	990	990
Height (ST - LN)	[mm]	2190	2268	2268	2250	2250
Height (SL)	[mm]	2308	2360	2360	2368	2368

<b>Unit dimensions with hydronic kit</b>						
Integrata LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata LP 1-1 OO	-	LARGE	LARGE	LARGE	Standard	Standard
Integrata MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata MP 1-1 OO	-	LARGE	LARGE	LARGE	Standard	Standard
Integrata HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata HP 1-1 OO	-	LARGE	LARGE	LARGE	LARGE	LARGE
Base-P LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P LP 1-1 OO	-	LARGE	Standard	Standard	Standard	Standard
Base-P MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P MP 1-1 OO	-	LARGE	Standard	Standard	Standard	Standard
Base-P HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P HP 1-1 OO	-	LARGE	Standard	Standard	Standard	Standard



# EKE MT

## Dimensions and weights

EKE MT range		401	502	602	702	802
<b>DIMENSIONS AND WEIGHTS - Standard unit</b>						
Lenght	[mm]	2580	3520	3520	3520	3900
Width	[mm]	990	990	990	990	2000
Height (ST - LN)	[mm]	2268	2250	2328	2328	1946
Height (SL)	[mm]	2360	2368	2420	2420	2040
Shipping weight (A BP/ST/AS/** version)	[kg]	880	1085	1145	1255	2250
Operating weight (A BP/ST/AS/** version)	[kg]	887	1093	1153	1263	2265

<b>DIMENSIONS - Large unit</b>						
Lenght	[mm]	3520	-	-	-	-
Width	[mm]	990	-	-	-	-
Height (ST - LN)	[mm]	2250	-	-	-	-
Height (SL)	[mm]	2368	-	-	-	-

<b>Unit dimensions with hydronic kit</b>						
Integrata LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata LP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata MP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata HP 1-1 OO	-	LARGE	Standard	Standard	Standard	Standard
Base-P LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P LP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P MP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P HP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard

EKE MT range		1002	1202	1402	1502	1602
<b>DIMENSIONS AND WEIGHTS - Standard unit</b>						
Lenght	[mm]	3900	5000	5000	5000	5000
Width	[mm]	2000	2000	2000	2000	2000
Height (ST - LN)	[mm]	1946	2245	2245	2245	2245
Height (SL)	[mm]	2040	2340	2340	2340	2340
Shipping weight (A BP/ST/AS/EC/** version)	[kg]					
Operating weight (A BP/ST/AS/EC/** version)	[kg]					

<b>DIMENSIONS - Large unit</b>						
Lenght	[mm]	-	-	-	-	-
Width	[mm]	-	-	-	-	-
Height (ST - LN)	[mm]	-	-	-	-	-
Height (SL)	[mm]	-	-	-	-	-

<b>Unit dimensions with hydronic kit</b>						
Integrata LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata LP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata MP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Integrata HP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P LP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P LP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P MP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P MP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P HP 1-0 OO	-	Standard	Standard	Standard	Standard	Standard
Base-P HP 1-1 OO	-	Standard	Standard	Standard	Standard	Standard



I dati riportati sono indicativi e non vincolanti. Euroklima si riserva il diritto di apportare modifiche in qualsiasi momento, senza preavviso.



# EUROKLIMAT<sup>®</sup>

Cooling System Solutions

EUROKLIMAT SpA

Factory Italy

Via Liguria, 8  
27010 Siziano (PV) Italy

T: +39 038 2610282  
E: [info@euroklimat.it](mailto:info@euroklimat.it)

[www.euroklimat.it](http://www.euroklimat.it)

Euroklimat Co., Ltd

Factory China

Euroklimat Industrial Park  
Huangjiang, Dongguan, Guangdong, China

T: +86 0769 8366 0888 ext. 8260  
E: [info@euroklimat.it](mailto:info@euroklimat.it)

[www.euroklimat.com.cn](http://www.euroklimat.com.cn)

EUROKLIMAT FZCO

Office Dubai

High Bay Office 24, Dubai Silicon Oasis, UAE  
PO Box 28178, Dubai, UAE

T: +971 4 3423152  
E: [info@ek-me.com](mailto:info@ek-me.com)

[www.euroklimatme.com](http://www.euroklimatme.com)

green<sup>\*</sup>  
cooling initiative