



EREBA ACCESS

Air-Cooled Liquid Chillers and
Reversible Air-to-Water Heat Pumps



Easy and fast installation
Hydraulic module available
Compact, reliable and efficient

Nominal cooling capacity : 8-39 kW
Nominal heating capacity: 18-39 kW



Cooling or
heating

USE

The **EREBA ACCESS** air-to-water heat pump / chiller is designed for heating and cooling applications in individual homes and small commercial applications.

When installed alone, EREBA ACCESS is compatible with low to medium temperature emitters (underfloor heating, fan coil units, water cassettes, radiators, mixed installations, etc.). EREBA ACCESS is also compatible with medium to high temperature emitters for boiler backup operation.

The EREBA ACCESS unit is installed outside in an open area,

ideally as close as possible to the machine room.

Each unit is tested in the factory and delivered ready for operation.

- End-of-line test of all unit operating parameters.
- Circuit leakage, electrical compliance, water and refrigerant pressures.

RANGE

EREBA ACCESS's range is composed by 8 models in cooling only and 5 models reversible.

Operating range EREBA ACCESS :

- Cooling mode with an outdoor temperature from -10°C to 46°C (or 48°C for 17-40 models)
- Heating from -15°C to +40°C.

In heating mode, if the heat pump is not powerful enough, a backup type boiler or electrical heater is necessary. It must be managed by an external device.

COMPLIANCE

Low Voltage Directive 2014/35/EU

EMC : Electromagnetic Compatibility 2014/30/EU

PED : Pressure Equipment Directive 2014/6/EU

WEEE : Waste Electrical & Electronic Equipment 2012/19/EU

RoHS : Restriction of Hazardous Substances Directive 2011/65/EU

The **EREBA ACCESS** liquid chiller/heat pump range was designed for commercial applications such as the air conditioning of offices, hotels and residential houses.

The units integrate the latest technological innovations: Non-ozone depleting refrigerant R410A, scroll or rotary compressors, low-noise fans and auto-adaptative microprocessor control.

For added flexibility the EREBA ACCESS units are available with hydraulic module integrated into the unit chassis, limiting the installation to straightforward operations like connection of the power supply and the water supply and return piping.

Features

The EREBA ACCESS chiller/heat pump systems can be used with a wide choice of CIAT terminal fan coil units, and ductable products.

Ecodesign is the European Directive that sets mandatory requirements for Energy related Products (ErP) to improve their energy efficiency.

Quiet operation

■ Compressors

- Low-noise rotary/scroll compressor with low vibration levels and maintenance free.

■ Air heat exchanger section

- Vertical air heat exchanger coils
- The latest-generation low-noise fans are now even quieter and do not generate intrusive low-frequency noise
- Rigid fan installation for reduced start-up noise.

Easy and fast installation

■ Integrated hydraulic module

- Variable-speed circulator (sizes 8-15) or fixed-speed pump (sizes 17-40).
- Water filter protecting the water pump against circulating debris
- High-capacity membrane expansion tank ensures pressurisation of the water circuit
- Overpressure valve, set to 3 bar (and 4 bar for 17-40)
- Thermal insulation and frost protection down to -10°C using pump cycling for all sizes and electric resistance heater for sizes 17 to 40 .

■ Physical features

- Advanced circuit design and component selection has resulted in a compact unit with an exceptionally small footprint that is easy to transport even through narrow doors. Reduced operating weight and a handle on the unit panels to facilitate transport.
- The unit is enclosed by easily removable panels, covering all components (except air heat exchanger and fans).
- A neutral colour (RAL 7035) to facilitate the integration in residential area

■ Simplified electrical connections

- Single power supply point.
- Main disconnect switch with high trip capacity (sizes 17-40 only).

- Transformer for safe 24 V control circuit supply included.



Economical operation

■ Increased seasonal efficiency

- In accordance with EN 14825:2013, Average Climate, energy label reach A and B (see physical data).
- Specific Free Defrost algorithm is present to optimise performance and comfort even during defrost period.

■ Reduced maintenance costs

- Maintenance-free scroll or rotary compressors
- Fast diagnosis of possible incidents and their history via the Pro-Dialog+ control.
- R410A refrigerant is easier to use than other refrigerant blends

Environmental care

■ Ozone-friendly R410A refrigerant

- Chlorine-free refrigerant of the HFC group with zero ozone depletion potential
- Very efficient - gives an increased energy efficiency ratio (EER)

■ Leak-tight refrigerant circuit

- Brazed refrigerant connections for increased leak-tightness.
- Verification of pressure transducers and temperature sensors without transferring refrigerant charge

Superior reliability

■ Auto-adaptive control

- Control algorithm prevents excessive compressor cycling and permits reduction of the water quantity in the hydraulic circuit.

■ Exceptional endurance tests

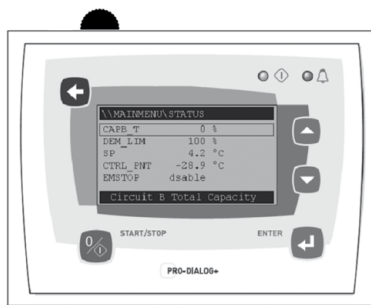
- Corrosion resistance tests in salt mist in the laboratory
- Accelerated ageing test on components that are submitted to continuous operation: compressor piping, fan supports
- Transport simulation test in the laboratory on a vibrating table.

Pro-Dialog+

■ Pro-Dialog+ control for models 17-40

Pro-Dialog+ combines intelligence with operating simplicity. The control constantly monitors all machine parameters and precisely manages the operation of compressors, expansion devices, fans and of the water heat exchanger water pump for optimum energy efficiency.

Pro-Dialog+ interface



Energy management

- Seven-day internal time schedule clock: Permits unit on/off control and operation at a second set point
 - Set point reset based on the outside air temperature or the return water temperature or on the water heat exchanger delta T
 - Master/slave control of two units operating in parallel with operating time equalisation and automatic change-over in case of a unit fault.
 - Change-over based on the outside air temperature
- Integrated features
- Night mode: Capacity and fan speed limitation for reduced noise level
- Ease-of-use
- The new backlit LCD interface includes a manual control potentiometer to ensure legibility under any lighting conditions.
 - The information is displayed clearly in English, French, German, Italian and Spanish (for other languages please consult CIAT)
 - The Pro-Dialog+ navigation uses intuitive tree-structure menus, similar to the Internet navigators. They are user-friendly and permit quick access to the principal operating parameters: number of compressors operating, suction/discharge pressure, compressor operating hours, set point, air temperature, entering/leaving water temperature.

■ Remote operating mode with volt-free contacts

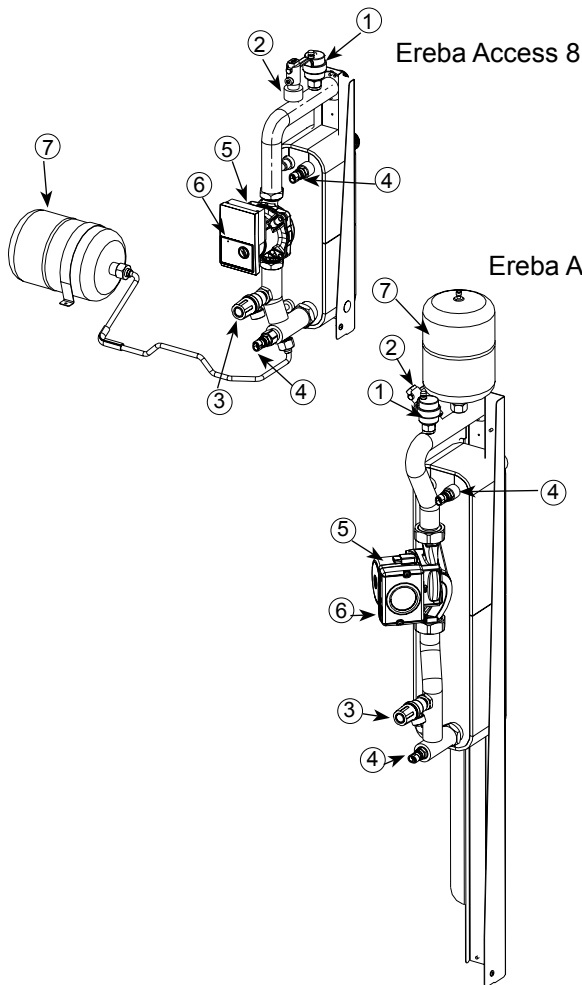
A simple two-wire communication bus between the RS485 port of the unit offers multiple remote control, monitoring and diagnostic possibilities.

- Start/stop: Opening of this contact will shut down the unit
- Dual set point: Closing of this contact activates a second set point (example: Unoccupied mode)
- Alert indication: This volt-free contact indicates the presence of a minor fault (sizes 17-40 only)
- Alarm indication: This volt-free contact indicates the presence of a major fault that has led to the shut-down of the unit
- User safety: This contact can be used for any customer safety loop, closing of the contact generates a specific alarm
- Out of service: This signal indicates that the unit is completely out of service (sizes 17-40 only)
- Unit capacity: This analogue output (0-10 V) gives an immediate indication of the unit capacity (sizes 17-40 only)
- Compressor operation: This contact signals that the compressor is in operation (sizes 17-40 only)

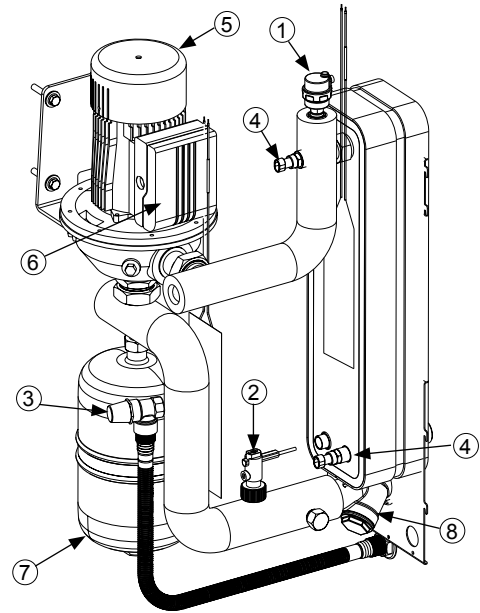
HYDRAULIC MODULE

The hydraulic module reduces the installation time. The unit is factory-equipped with the main hydraulic components required for the installation.

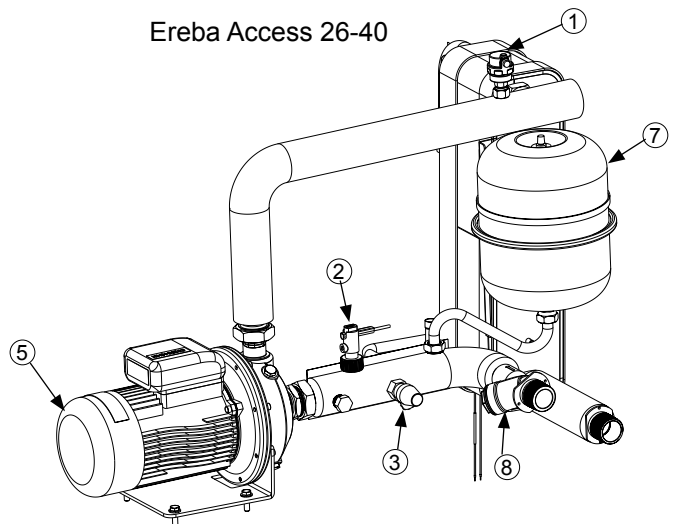
The water heat exchanger and the hydraulic module are protected against frost down to -10°C , using an electric resistance heater (sizes 17-40 only) and pump cycling. However, the use of EG (Ethylen Glycol) can effectively protect the installation even in case of power failure



Ereba Access 17-21



Ereba Access 26-40



Key:

- 1 Automatic purge valve
- 2 Flow switch
- 3 Relief valve
- 4 Temperature sensor
- 5 Circulation pump
- 6 Plug to unblock seized pump
- 7 Expansion tank
- 8 Mesh filter

PHYSICAL DATA

EREBA ACCESS Cooling only			8T	12T	15T	
Cooling						
Standard unit		Nominal capacity	kW	8,0	10,8	14,0
Full load performances*	CA1	EER	kW/kW	3,10	2,93	2,91
		Eurovent class		A	B	B
	CA2	Nominal capacity	kW	10,44	14,78	18,10
		EER	kW/kW	3,95	3,78	3,57
Standard unit		SEER_{23/18°C} Comfort medium temp.	kWh/kWh	4,53	4,29	4,22
Seasonal energy efficiency**		η_{s cool} 23/18 °C Comfort medium temp.	%	178	168	166

* In accordance with standard EN 14511-3:2013.
 ** In accordance with standard EN 14825:2016, average climate
 CA1 Cooling mode conditions: Temperature of the supply/return water to/from the evaporator 12 °C/7 °C, outdoor air temperature 35 °C. Evaporator fouling factor 0 m² k/W
 CA2 Cooling mode conditions: Temperature of the supply/return water to/from the evaporator 23 °C/18 °C, outdoor air temperature 35 °C. Evaporator fouling factor 0 m² k/W.
η_{s cool} 23/18 °C & SEER_{23/18 °C} Values in bold comply with Ecodesign Regulation (EU) No. 2016/2281 for Comfort application
 Note: Low temperature comfort application not allowed in European Union, Iceland, Norway, Liechtenstein and Turkey according to Ecodesign Regulation (EU) N°2016/2281



Eurovent certified values

EREBA ACCESS Cooling only			17T	21T	26T	33T	40T	
Cooling								
Standard unit		Nominal capacity	kW	16,4	21,4	27,2	33,2	41,2
Full load performances*	CA1	EER	kW/kW	3,01	3,12	3,04	3,24	2,91
		Eurovent class		B	A	B	A	B
	CA2	Nominal capacity	kW	22,7	29,5	38,4	45,5	56,6
		EER	kW/kW	3,83	3,88	3,94	4,03	3,45
Standard unit		SEPR_{-2/-8°C} Process medium temp.	kWh/kWh	2,81	2,94	3,00	2,91	2,98
Seasonal energy efficiency**		SEPR _{12/7°C} Process high temp.	kWh/kWh	5,22	5,29	5,01	5,06	4,95
		SEER _{12/7°C} Comfort low temp.	kWh/kWh	3,41	3,51	3,25	3,46	3,30
		SEER _{23/18°C} Comfort medium temp.	kWh/kWh	4,22	4,12	3,83	3,88	3,74

* In accordance with standard EN 14511-3:2013.
 ** In accordance with standard EN 14825:2016, average climate
 CA1 Cooling mode conditions: Temperature of the supply/return water to/from the evaporator 12 °C/7 °C, outdoor air temperature 35 °C. Evaporator fouling factor 0 m² k/W
 CA2 Cooling mode conditions: Temperature of the supply/return water to/from the evaporator 23 °C/18 °C, outdoor air temperature 35 °C. Evaporator fouling factor 0 m² k/W.
SEPR_{-2/-8°C} Values in bold comply with Ecodesign Regulation (EU) No. 2015/1095 for Process application
 SEER_{12/7 °C} & SEPR_{12/7 °C} Values calculated in accordance with EN 14825:2016
 SEER_{23/18 °C} Values calculated in accordance with EN 14825:2016



Eurovent certified values

PHYSICAL DATA

EREBA ACCESS Reversible			17HT	21HT	26HT	33HT	40HT	
Heating								
Standard unit		Nominal capacity	kW	17,6	22,0	30,9	34,4	38,8
Full load performances*	HA1	COP	kW/kW	4,02	3,99	3,94	3,95	3,48
	HA2	Nominal capacity	kW	17,0	21,4	29,7	33,1	40,9
		COP	kW/kW	3,20	3,28	3,18	3,17	3,13
Standard unit		SCOP_{30/35°C}		3,20	3,23	3,19	3,19	3,19
Seasonal energy efficiency**	HA1	η_{s heat 30/35°C}	%	125	126	125	125	125
		P _{rated}	kW	13	13	21	23	31
		Energy labelling		A+	A+	A+	A+	A+
Cooling								
Standard unit		Nominal capacity	kW	15,7	19,9	26,2	32,2	39,1
Full load performances*	CA1	EER	kW/kW	3,06	3,04	2,89	3,11	2,81
		Eurovent class		B	B	C	A	C
	CA2	Nominal capacity	kW	21,9	27,0	33,9	42,8	54,0
		EER	kW/kW	3,96	3,72	3,52	3,83	3,37
Standard unit		SEPR _{12/7°C} Process high temp.	kWh/kWh	5,30	5,19	4,79	4,97	3,84
Seasonal energy efficiency**		SEER _{12/7°C} Comfort low temp.	kWh/kWh	3,45	3,40	3,17	3,38	3,20
		SEER _{23/18°C} Comfort medium temp.	kWh/kWh	4,32	3,99	3,68	3,85	3,67

* In accordance with standard EN 14511-3:2013.
 ** In accordance with standard EN 14825:2016, average climate
 HA1 Heating mode conditions: Water heat exchanger water entering/leaving temperature 30 °C/35 °C, outside air temperature tdb/twb = 7 °C db/6 °C wb, evaporator fouling factor 0 m² k/W
 HA2 Heating mode conditions: Water heat exchanger water entering/leaving temperature 40 °C/45 °C, outside air temperature tdb/twb = 7 °C db/6 °C wb, evaporator fouling factor 0 m² k/W
 CA1 Cooling mode conditions: Temperature of the supply/return water to/from the evaporator 12 °C/7 °C, outdoor air temperature 35 °C. Evaporator fouling factor 0 m² k/W
 CA2 Cooling mode conditions: Temperature of the supply/return water to/from the evaporator 23 °C/18 °C, outdoor air temperature 35 °C. Evaporator fouling factor 0 m² k/W.
η_{s heat 30/35°C} & SCOP_{30/35°C} Values in bold comply with Ecodesign Regulation (EU) No. 813/2013 for heating application
 SEER_{12/7°C} & SEPR_{12/7°C} Values calculated in accordance with EN 14825:2016
 SEER_{23/18°C} Values calculated in accordance with EN 14825:2016



Eurovent certified values

PHYSICAL DATA

EREBA ACCESS		Cooling only								Reversible					
		8T	12T	15T	17T	21T	26T	33T	40T	17HT	21HT	26HT	33HT	40HT	
Sound power level ⁽¹⁾	dB(A)	68	70	71	72	74	78	78	80	72	74	78	78	80	
Sound pressure level at 10 m ⁽²⁾	dB(A)	40	42	43	40	42	46	46	48	40	42	46	46	48	
Length	mm	908			1136			1002		1136		1002			
Width	mm	350			584			824		584		824			
Height	mm	821	1363		1580		1790			1580		1790			
Operating weight ⁽³⁾	kg	76	114	116	189	208	255	280	291	206	223	280	295	305	
Compressors		Rotary				Scroll									
Refrigerant R410A charge ⁽³⁾	kg	2,15	2,63	3,18	5,5	6,4	5,8	8,6	8,8	6,4	7,7	7,6	9,5	9,8	
	CO ₂ eq	4,5	5,5	6,6	11,5	13,4	12,1	18	18,4	13,4	16,1	15,9	19,9	20,5	
Air heat exchanger		Grooved copper tubes, aluminium fins													
Axial Fans		1 twin-speed	2 twin-speed	2 twin-speed	2 twin-speed		1 twin-speed		2 twin-speed	2 twin-speed		1 twin-speed			
Diameter	mm	495			495		710		495		710				
Air flow	l/s	1060	2010		2212		3530		2217	1978	3530				
Water Heat Exchanger		Brazen plate													
Water volume	L	0,644	1,71	1,71	1,52	1,9	2,28	2,85	3,8	1,52	1,9	2,28	2,85	3,8	
Expansion tank volume	L	2			5		8		5		8				
Pump		Variable speed					Fixed speed								
Available static pressure	C1/H1	kPa	52	74	60	152	126	174	160	188	148	130	188	176	187
Available static pressure	C2/H2	kPa	37	54	33	110	71	78	56	106	152	134	197	186	193
Minimum system water content	l	28	42	52	58	75	96	117	145	56	71	94	115	140	
Max. water-side operating pressure	kPa	300					400								
Outlet diameter		1" G male					1"1/4 G male								
Chassis paint colour		RAL 7035													

(1) In dB ref=10⁻¹² W, (A) weighting. Declared dual-number noise emission values in accordance with ISO 4871 (with an associated uncertainty of +/-3 dB(A)). Measured in accordance with ISO 9614-1 and certified by Eurovent.

(2) In dB ref 20 µPa, (A) weighting. Declared dual-number noise emission values in accordance with ISO 4871 (with an associated uncertainty of +/-3 dB(A)). For information, calculated from the sound power level Lw(A).

(3) Values are guidelines only. Refer to the unit nameplate.

ELECTRICAL DATA

EREBA ACCESS		8	12	15	17	21	26	33	40	
Nominal power supply	V-ph-Hz	400-3+N-50							400-3-50	
Voltage range	V	376-424			340-460				360-440	
Control circuit supply		24 V via internal transformer								
Maximum start-up current (Un) ⁽¹⁾	A	30	66	73	75	95	118	118	176	
Unit power factor at nominal capacity ⁽²⁾		0,88	0,84	0,85	0,84	0,79	0,77	0,81	0,9	
Maximum operating power input ⁽²⁾	kW	3,1	4,4	5,5	7,8	9,1	11	13,8	17,5	
Nominal unit operating current drawn ⁽³⁾	A	4,5	6,3	9,1	8	12	16	17	25	
Maximum operating current draw (Un) ⁽⁴⁾	A	5,1	7,6	9,3	13	16	20	24	30	
Maximum operating current draw (Un-15%) ⁽⁵⁾	A	5,4	8,0	9,9	15	18	23	27	36	
Power fuse current (gL fuse)	A	10	16	20	25	32	40	50	63	
Power supply cable section		H07RN-F - 5x2.5mm ²			H07RN-F - 5x6mm ²		H07RN-F - 5x16mm ²		H07RN-F - 4x16mm ²	
Pump - power input ⁽⁶⁾	kW	0,13	0,21	0,39	0,54	0,59	0,99	1,1	1,2	
Pump - nominal operating current draw ⁽⁶⁾	A	0,58	1	1,9	1,3	1,4	2,4	2,6	2,8	
Pump - maximum current (external pump)	A	2			1,5		2,5		2,4	
Number of fan motor capacitors (5 µF/450 V)		1	2	2	2	2	0	0	0	
Remote controller - Power supply cable section		H03VV-F - 7x0.5mm ²								

(1) Maximum instantaneous start-up current (locked rotor current of the compressor).

(2) Power input, compressors and fans, at the unit operating limits (saturated suction temperature 10°C, saturated condensing temperature 65°C) and nominal voltage of 400V (data given on the unit nameplate)

(3) Standardised Eurovent conditions: water heat exchanger entering/leaving water temperature 12 °C/7 °C, outside air temperature 35 °C.

(4) Maximum unit operating current at maximum unit power input and 400 V (data given on the unit nameplate).

(5) Maximum unit operating current at maximum unit power input and 340-460 V for sizes 017 to 033 or 360-440 V for size 040.

(6) Gross performances.

PART-LOAD PERFORMANCES

■ SEER for comfort chillers (in accordance with EU ECODESIGN)

The **SEER** (Seasonal Energy Efficiency Ratio) measures the seasonal energy efficiency of **comfort chillers** by calculating the ratio between annual cooling demand of the building and annual energy demand of the chiller. It takes into account the energy efficiency achieved for each outdoor temperature weighted by the number of hours observed for each of these temperatures, using actual climate data.

SEER is a new way of measuring the true energy efficiency of chillers for **comfort cooling** over an entire year. This new indicator gives a more realistic indication of the real energy efficiency and environmental impact of a cooling system. (Ecodesign Regulation 2016/2281).

Low temperature comfort application with 30RB008-015 not allowed in European Union, Iceland, Norway, Liechtenstein and Turkey according to Ecodesign Regulation (EU) No. 2016/2281. Refer to above PSD table to see specific applications compliant with ecodesign regulation.

■ SEPR for process chillers (in accordance with EU ECODESIGN)

The **SEPR** (Seasonal Energy Performance Ratio) measures the seasonal energy efficiency of **process chillers** by calculating the ratio between annual cooling demand of the process and annual energy demand of the chiller. It takes into account the energy efficiency achieved at each outdoor temperature of an average climate weighted by the number of hours observed for each of these temperatures.

SEPR is a new way of measuring the true energy efficiency of chillers for **process cooling** over an entire year. This new indicator gives a more realistic indication of the real energy efficiency and environmental impact of the cooling system (Ecodesign Regulation 2015/1095).

Average climate

■ Low temp (30/35)

EREBA ACCESS	η_s (%)	SCOP	Pdesign (kW)	Annual power input with backup heater (kWh)	Sound power level dB(A)	Energy Class
17 HT	125	3,20	13	8476	72	A+
21 HT	126	3,23	13	8331	74	A+
26 HT	125	3,19	21	13664	78	A+
33 HT	125	3,19	23	15145	78	A+
40 HT	125	3,19	31	20999	80	A+

Colder climate

■ Low temp (30/35)

EREBA ACCESS	η_s (%)	SCOP	Pdesign (kW)	Annual power input with backup heater (kWh)	Sound power level dB(A)
17 HT	120	3,08	15	10829	-
21 HT	121	3,11	19	13415	-
26 HT	122	3,13	30	21219	-
33 HT	123	3,14	34	23735	-
40 HT	120	3,07	42	30292	-

Warmer climate

■ Low temp (30/35)

EREBA ACCESS	η_s (%)	SCOP	Pdesign (kW)	Annual power input with backup heater (kWh)	Sound power level dB(A)
17 HT	138	3,53	11	3876	-
21 HT	144	3,68	15	5143	-
26 HT	137	3,50	21	7637	-
33 HT	138	3,52	23	8492	-
40 HT	133	3,41	28	10623	-

SOUND SPECTRUM

Sound power level (dB(A))

EREBA ACCESS Load*	Octave bands, Hz						Sound power level
	125	250	500	1000	2000	4000	
8	71	70	65	64	57	55	68
12	73	69	67	66	60	57	70
15	76	71	68	66	61	61	71
17	75	72	70	67	61	60	72
21	80	75	70	69	63	60	74
26	79	76	76	74	67	60	78
33	79	76	76	74	67	60	78
40	82	79	77	76	71	65	80

* SEER Conditions

OPERATING LIMITS

Water flow rate (in l/s)

Data applicable for pure water.

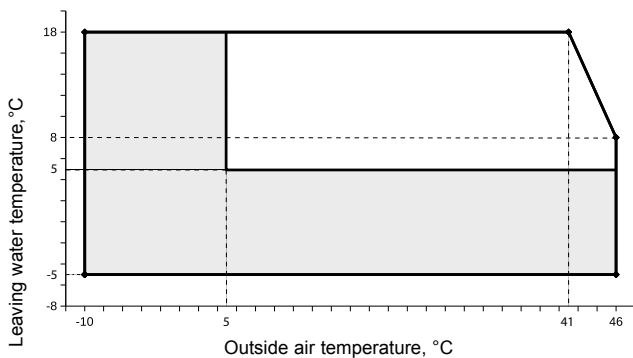
EREBA Access	Minimum	Maximum @ 50kPa*		Maximum @ C1**
		Cooling mode	Heating mode	Cooling mode 12°C/7°C, 35°C
8	0,12	0,24	-	0,38
12	0,12	0,52	-	0,52
15	0,12	0,88	-	0,62
17	0,45	1,39	1,39	0,79
21	0,57	1,52	1,52	1,03
26	0,67	1,96	2,18	1,32
33	0,87	2,18	2,29	1,60
40	1,05	2,6	2,6	1,99

* Maximum flow rate at an available pressure of 50 kPa (unit with hydraulic module)

** Maximum flow rate at condition 1 - evaporator water entering/leaving temperature 12°C/7°C, outside air temperature 35°C.

Operating range for EREBA ACCESS 8-15 (cooling only)

Operating range EREBA ACCESS 8-15 cooling mode

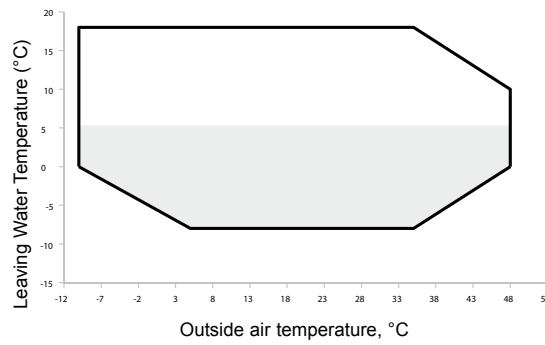


Operating range with anti-freeze solution

OPERATING LIMITS

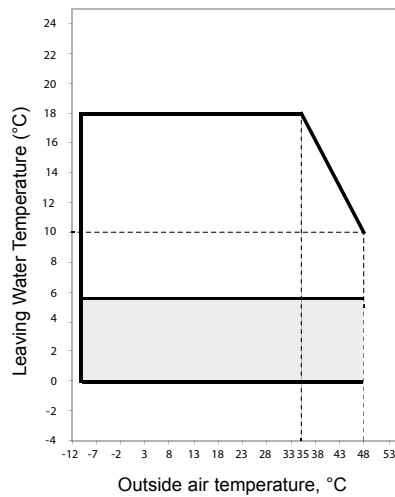
■ Operating range for EREBA ACCESS 17-40

Operating range EREBA ACCESS 17-40T cooling mode



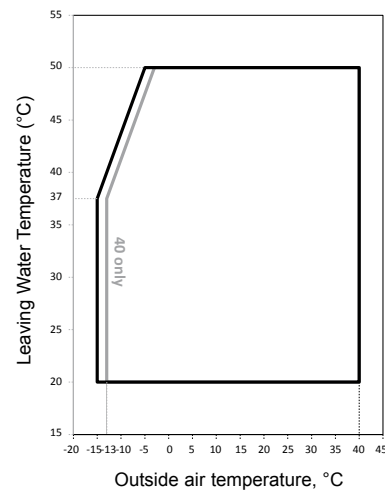
■ Operating range with anti-freeze solution

Operating range EREBA ACCESS 17-40 HT cooling mode



■ Operating range with anti-freeze solution

Operating range EREBA ACCESS 17-40 HT heating mode

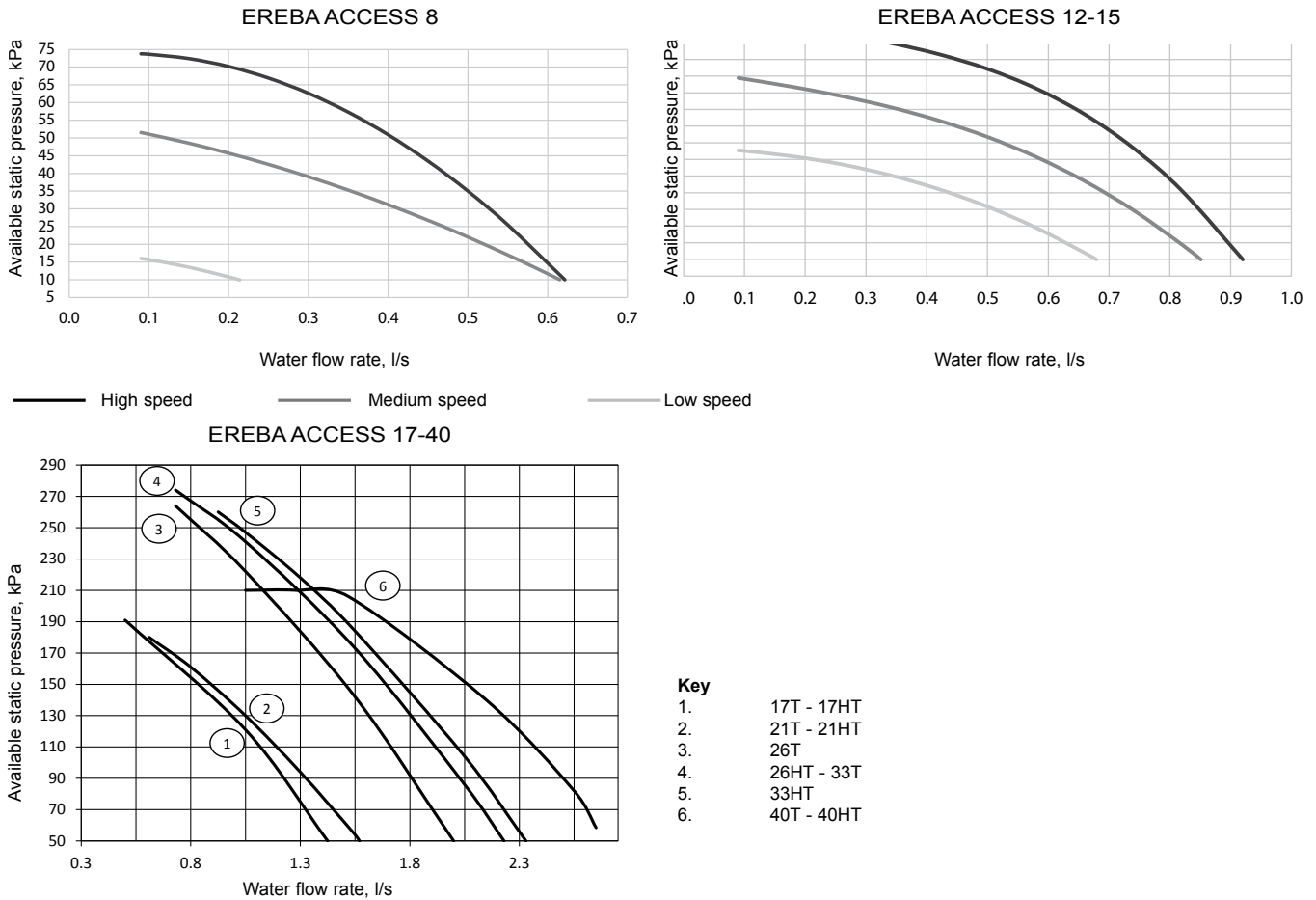


■ Operating range with anti-freeze solution

AVAILABLE STATIC SYSTEM PRESSURE

■ Available external static pressure for EREBA ACCESS

Data applicable for pure water.



SYSTEM MINIMUM WATER VOLUME

The minimum water loop volume, in litres, is given by the following formula:

$$\text{Volume (l)} = \text{CAP (kW)} \times \text{N}$$

Where CAP is the nominal cooling capacity at nominal operating conditions.

Application	N
Air conditioning	3.5
Heating or domestic hot water application	6
Industrial process cooling	See note

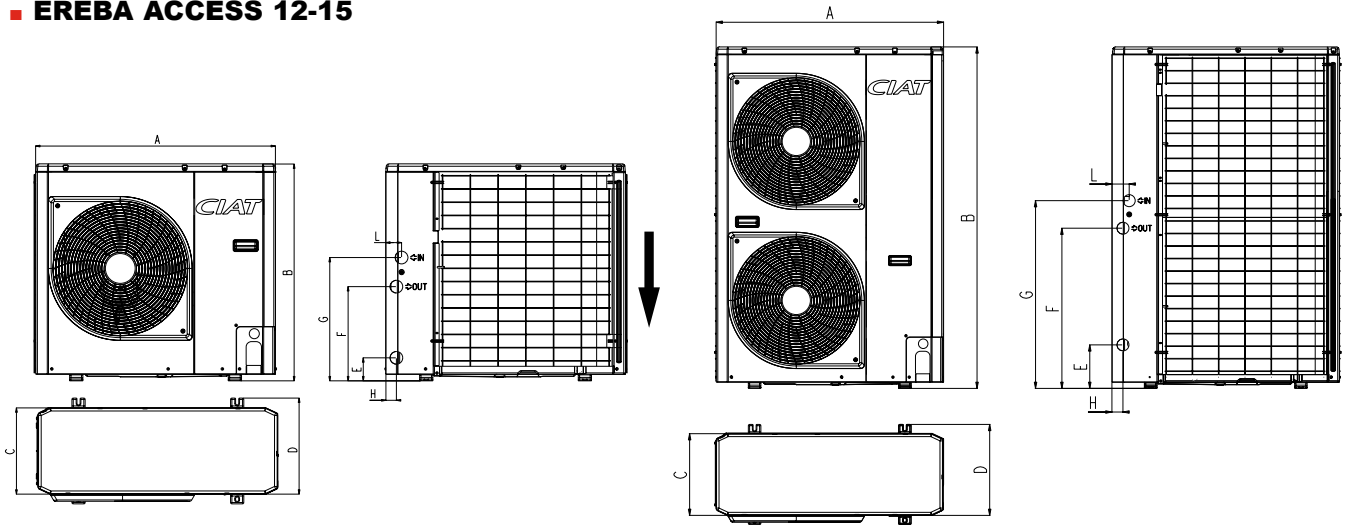
Note : For industrial process cooling applications, where high stability of water temperature levels must be achieved, the values above must be increased. We recommend consulting the factory for these particular applications.

SYSTEM MAXIMUM WATER VOLUME

Water maximum volume (L)		
Static pressure (bar)	1.5	3
Fresh water	200	50
Ethylen glycol 10%	150	28
Ethylen glycol 20%	110	28
Ethylen glycol 30%	90	23

DIMENSIONS (IN MM)

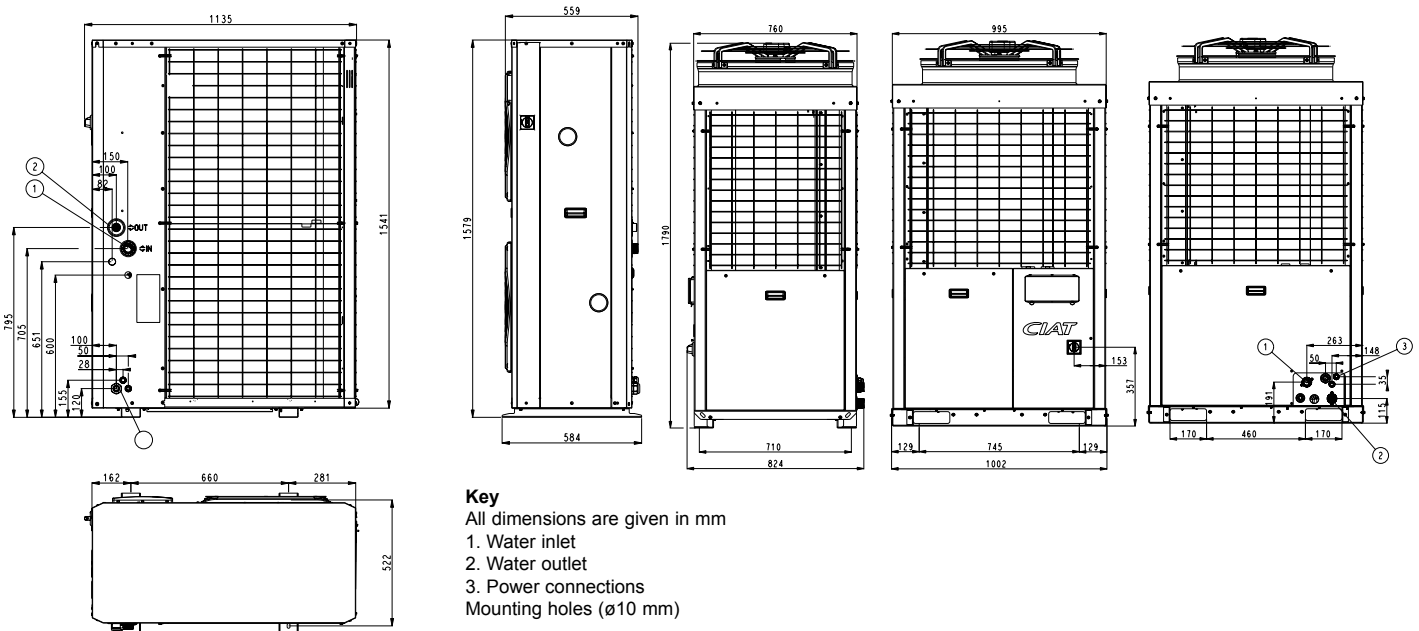
- EREBA ACCESS 8
- EREBA ACCESS 12-15



EREBA ACCESS	A	B	C	D	E	F	G	H	L
8	908	821	326	350	87	356	466	40	60
12	908	1363	326	350	529	995	1105	44	69
15	908	1363	326	350	529	995	1105	44	69

- EREBA ACCESS 17-21

- EREBA ACCESS 26-40



Key
 All dimensions are given in mm
 1. Water inlet
 2. Water outlet
 3. Power connections
 Mounting holes (ø10 mm)

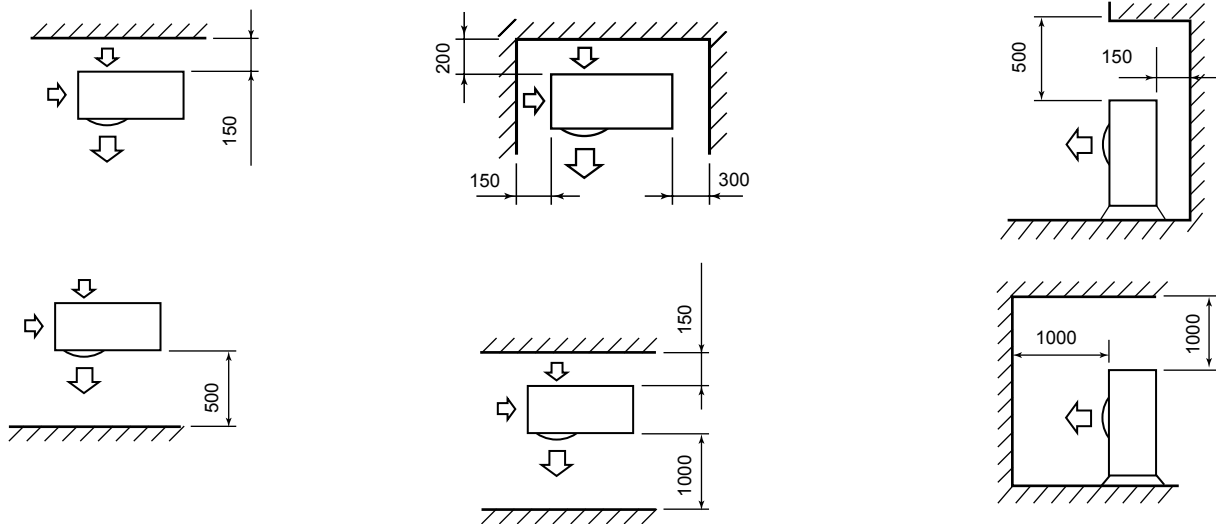
EREBA ACCESS	Weight (in kg)	
	Operating weight*	
	Cooling only (T)	Reversible (HT)
8	76	-
12	114	-
15	116	-
17	189	206
21	208	223
26	255	280
33	280	295
40	291	305

* Values are guidelines only. Refer to the unit nameplate

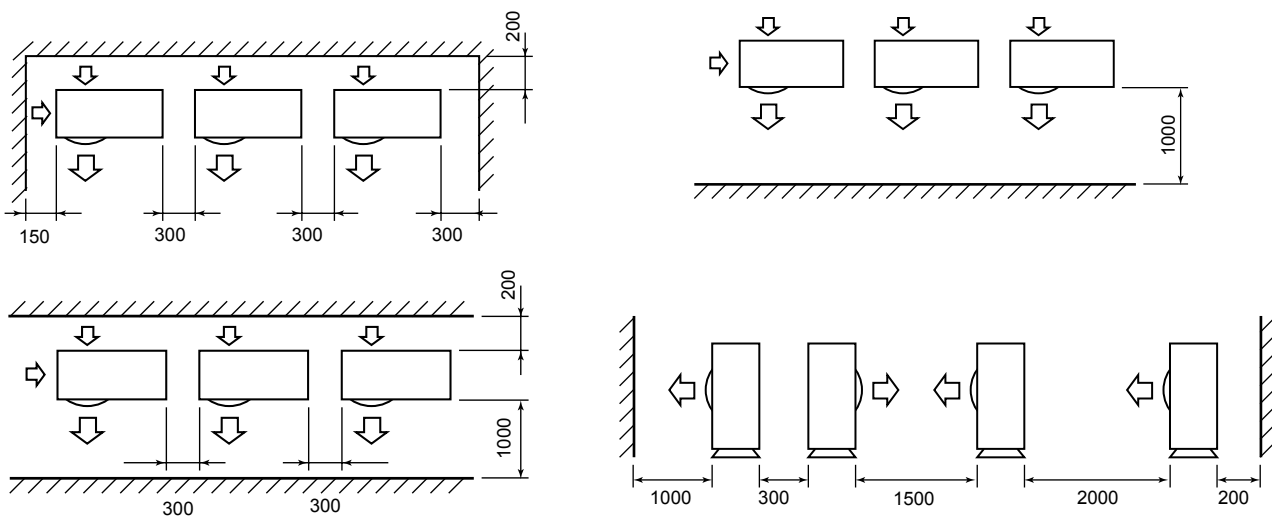
CLEARANCES (IN MM)

EREBA ACCESS 8-15

Single unit installation



Multiple unit installation

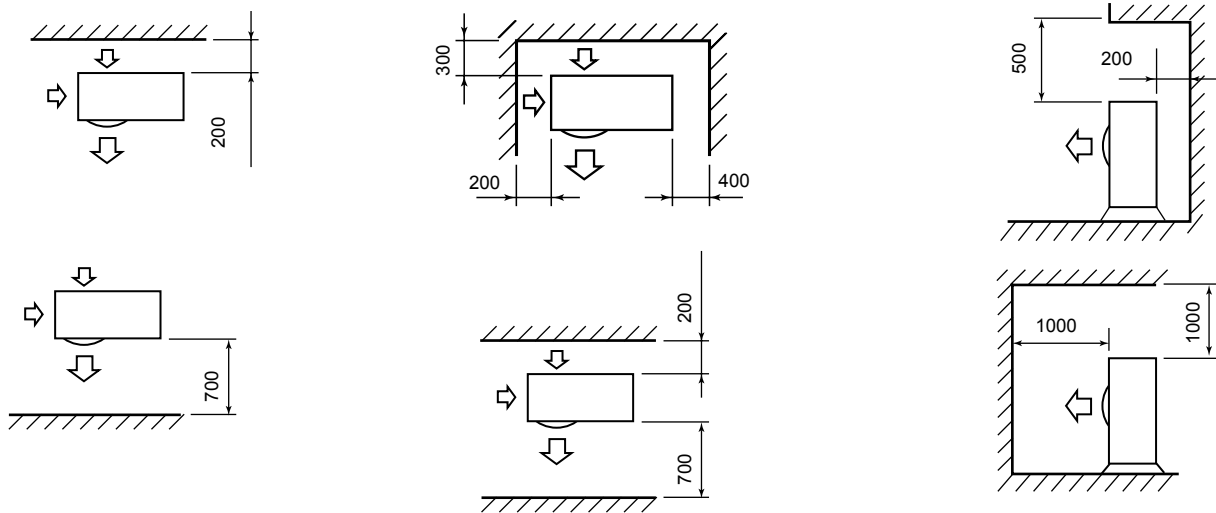


Note: The height of any obstacle at both the front and rear should be less than the outdoor unit height.

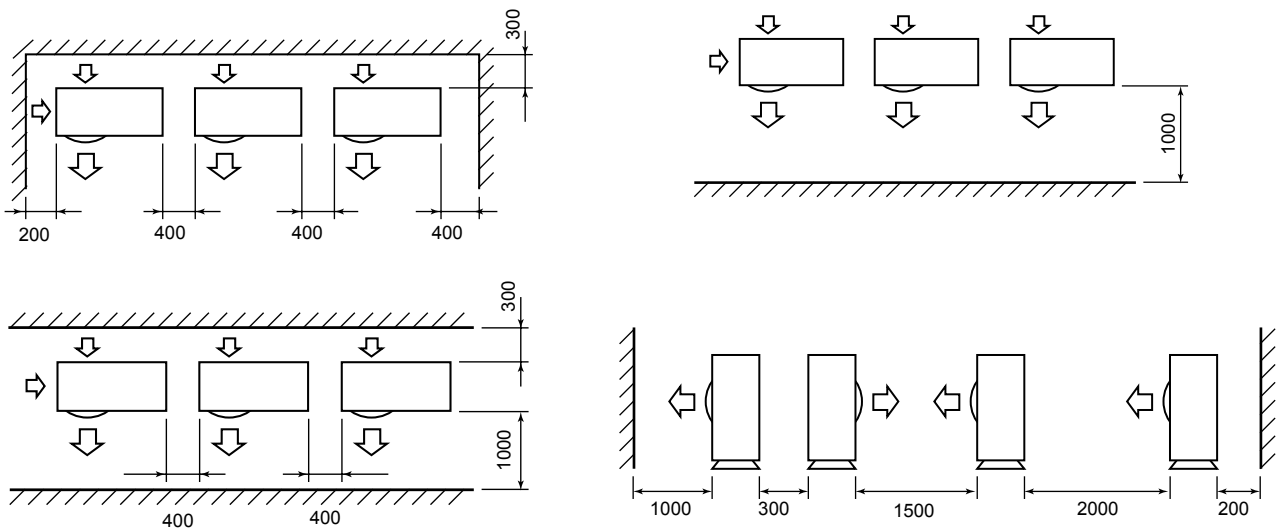
CLEARANCES (IN MM)

■ EREBA ACCESS 17-21

Single unit installation

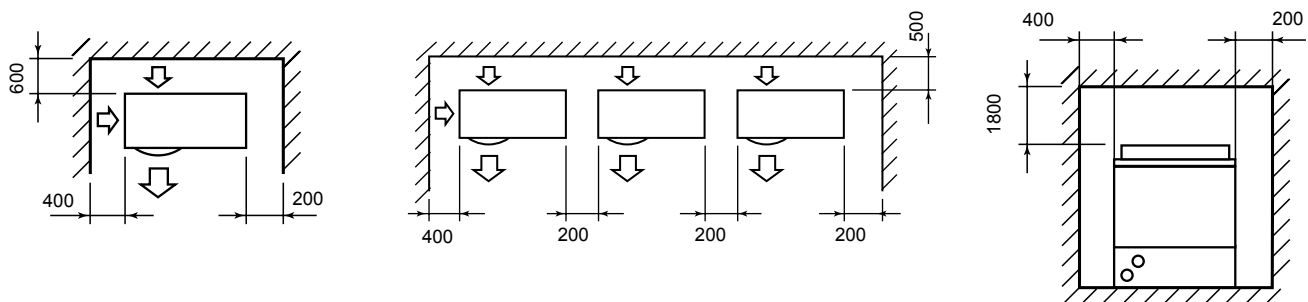


Multiple unit installation



Note: The height of any obstacle at both the front and rear should be less than the outdoor unit height.

■ EREBA ACCESS 26-40



HEATING CAPACITIES IN ACCORDANCE WITH EN14511-3



		Outside air dry-bulb (wet-bulb) temperature, °C																							
		-15 (-16)				-10 (-11)				-7 (-8)				2 (1)				7 (6)				12 (11)			
		LWT °C	Qh kW	COP kW/kW	q l/s	ESP kPa	Qh kW	COP kW/kW	q l/s	ESP kPa	Qh kW	COP kW/kW	q l/s	ESP kPa	Qh kW	COP kW/kW	q l/s	ESP kPa	Qh kW	COP kW/kW	q l/s	ESP kPa	Qh kW	COP kW/kW	q l/s
017	30	7,6	2,02	0,47	189	8,6	2,26	0,54	182	9,2	2,41	0,58	178	10,9	3,93	0,74	160	17,9	4,46	0,85	146	20,4	4,97	0,97	129
021		9,6	1,98	0,60	178	10,7	2,20	0,68	171	11,5	2,35	0,73	165	14,8	4,04	0,93	144	17,8	4,24	1,06	128	25,4	4,86	1,21	109
026		14,8	2,21	0,81	264	16,9	2,48	0,93	252	18,2	2,66	1,01	244	21,2	3,80	1,30	211	24,8	4,10	1,48	187	35,6	4,81	1,69	157
033		16,8	2,26	0,92	258	19,0	2,52	1,05	246	20,4	2,68	1,13	237	23,7	3,79	1,45	200	27,7	4,08	1,66	174	39,9	4,80	1,89	140
040		-	-	-	-	23,6	2,51	1,30	248	25,5	2,67	1,41	240	28,4	3,57	1,79	208	39,4	3,79	2,05	185	49,2	4,58	2,34	155
017	35	7,7	1,86	0,47	189	8,7	2,08	0,54	182	9,3	2,21	0,58	178	10,7	3,53	0,74	161	17,6	4,02	0,84	149	20,1	4,49	0,96	133
021		9,7	1,85	0,60	178	10,8	2,06	0,68	171	11,6	2,20	0,73	166	14,7	3,71	0,92	145	22,0	3,99	1,05	131	25,1	4,42	1,20	112
026		14,9	2,02	0,80	264	16,9	2,27	0,92	253	18,2	2,44	1,00	246	20,9	3,45	1,28	214	30,9	3,94	1,47	190	35,2	4,38	1,67	161
033		16,8	2,08	0,91	259	19,1	2,33	1,05	246	20,6	2,48	1,13	238	23,4	3,46	1,44	203	34,4	3,95	1,64	178	39,3	4,38	1,87	145
040		-	-	-	-	23,8	2,33	1,29	248	25,7	2,49	1,40	240	28,0	3,28	1,77	210	38,8	3,48	2,02	188	48,4	4,20	2,30	159
017	40	-	-	-	-	8,8	1,90	0,54	183	9,4	2,03	0,58	178	10,6	3,17	0,73	163	17,3	3,59	0,83	151	19,7	4,01	0,94	136
021		-	-	-	-	11,0	1,90	0,68	171	11,8	2,03	0,73	166	14,6	3,38	0,92	147	21,7	3,64	1,04	133	24,7	4,04	1,18	115
026		-	-	-	-	17,0	2,08	0,92	254	18,3	2,22	0,99	247	20,6	3,10	1,27	216	30,3	3,56	1,44	194	34,6	3,97	1,65	166
033		-	-	-	-	19,2	2,13	1,04	247	20,7	2,28	1,12	239	23,0	3,12	1,42	206	33,9	3,56	1,61	182	38,6	3,97	1,84	151
040		-	-	-	-	24,0	2,14	1,29	248	25,8	2,29	1,39	241	27,6	3,00	1,75	212	41,6	3,46	1,99	191	47,5	3,83	2,26	164
017	45	-	-	-	-	-	-	-	-	9,6	1,88	0,58	179	10,5	2,85	0,72	164	17,0	3,20	0,81	153	19,3	3,57	0,92	139
021		-	-	-	-	-	-	-	-	12,0	1,88	0,73	167	14,5	3,05	0,91	148	21,4	3,28	1,03	135	24,3	3,65	1,16	118
026		-	-	-	-	-	-	-	-	18,5	2,04	0,98	248	20,2	2,78	1,24	219	29,7	3,18	1,42	199	33,9	3,56	1,61	172
033		-	-	-	-	-	-	-	-	20,7	2,08	1,10	241	22,6	2,79	1,39	210	33,1	3,17	1,58	187	37,7	3,55	1,80	158
040		-	-	-	-	-	-	-	-	26,3	2,12	1,39	241	27,4	2,73	1,74	214	40,9	3,13	1,95	195	46,5	3,46	2,22	169
017	50	-	-	-	-	-	-	-	-	-	-	-	-	11,2	2,50	0,71	165	16,7	2,86	0,80	155	18,8	3,17	0,90	142
021		-	-	-	-	-	-	-	-	-	-	-	-	13,3	2,30	0,90	149	21,1	2,92	1,01	137	23,8	3,26	1,14	122
026		-	-	-	-	-	-	-	-	-	-	-	-	20,6	2,38	1,22	222	29,0	2,82	1,38	203	32,9	3,15	1,57	179
033		-	-	-	-	-	-	-	-	-	-	-	-	23,0	2,40	1,36	214	32,1	2,80	1,53	194	36,3	3,12	1,73	168
040		-	-	-	-	-	-	-	-	-	-	-	-	28,2	2,37	1,72	215	40,2	2,83	1,93	197	45,3	3,11	2,17	174

Key

LWT	Leaving water temperature, °C
Qh	Heating capacity, kW
COP	Coefficient of performance, kW/kW
q	Condenser water flow rate, l/s
ESP	External Static Pressure, kPa

Application data

Standard units, refrigerant: R-410A
 Condenser entering/leaving water temperature difference: 5 K for LWT ≤ 50°C
 Condenser fluid: water
 Fouling factor: 0 m² k/W
 Performances in accordance with EN14511-3:2013.

COOLING CAPACITIES IN ACCORDANCE WITH EN14511-3

■ Ereba ACCESS Cooling only 8-15

		Condenser entering air temperature, °C																														
		-10				-5				0				5				10				15				20						
		LWT	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP		
°C	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa
008	-5	6,3	2,78	0,30	63	6,2	2,94	0,30	63	6,1	3,00	0,30	63	6,0	3,03	0,29	64	5,9	3,03	0,29	64	5,8	2,99	0,28	64	5,7	2,88	0,27	65			
012		9,0	2,89	0,44	81	9,0	2,86	0,43	81	8,8	2,80	0,43	81	8,7	2,72	0,42	82	8,5	2,63	0,41	82	8,3	2,51	0,40	83	8,1	2,38	0,39	83			
015		10,9	2,40	0,53	75	10,9	2,51	0,53	75	10,9	2,57	0,53	75	10,7	2,59	0,52	76	10,5	2,57	0,51	77	10,3	2,50	0,50	77	9,9	2,40	0,48	78			
008	0	7,7	2,76	0,37	55	7,7	3,47	0,37	55	7,7	3,67	0,37	55	7,7	3,72	0,37	55	7,5	3,57	0,36	56	7,4	3,45	0,36	56	7,1	3,24	0,34	58			
012		10,6	3,19	0,51	77	10,7	3,22	0,52	76	10,6	3,22	0,51	77	10,5	3,19	0,51	77	10,3	3,12	0,50	77	10,1	3,01	0,49	78	9,8	2,88	0,47	79			
015		13,5	2,95	0,65	65	13,5	3,06	0,65	65	13,4	3,13	0,64	66	13,3	3,15	0,64	66	13,0	3,11	0,63	67	12,7	3,03	0,61	69	12,3	2,90	0,59	70			
008	5	9,8	2,82	0,47	40	9,9	4,31	0,47	40	9,8	4,61	0,47	40	9,7	4,60	0,46	42	9,4	4,21	0,45	43	9,1	3,97	0,44	45	8,6	3,64	0,41	49			
012		12,4	3,53	0,60	70	12,4	3,64	0,60	70	12,4	3,70	0,60	70	12,3	3,71	0,59	70	12,1	3,66	0,59	70	11,9	3,57	0,57	72	11,5	3,42	0,56	73			
015		16,3	3,56	0,78	47	16,3	3,70	0,78	47	16,2	3,77	0,78	47	16,1	3,80	0,77	49	15,8	3,75	0,76	50	15,4	3,65	0,74	53	15,0	3,50	0,72	56			
008	7	9,7	2,70	0,46	42	9,9	4,26	0,48	38	10,0	4,65	0,48	38	10,0	4,71	0,48	38	9,8	4,37	0,47	40	9,5	4,13	0,46	42	9,1	3,78	0,44	45			
012		12,9	3,61	0,62	68	13,1	3,76	0,63	67	13,1	3,84	0,63	67	13,0	3,86	0,63	67	12,9	3,83	0,62	68	12,6	3,74	0,61	69	12,3	3,59	0,59	70			
015		17,1	3,76	0,82	41	17,1	3,89	0,82	41	17,0	3,95	0,81	42	16,8	3,96	0,80	44	16,5	3,91	0,79	46	16,1	3,81	0,77	49	15,7	3,64	0,75	52			
008	10	9,4	2,53	0,45	43	10,1	4,18	0,48	38	10,3	4,73	0,49	37	10,4	4,89	0,50	35	10,3	4,61	0,50	35	10,1	4,36	0,49	37	9,7	4,00	0,47	40			
012		13,8	3,75	0,66	64	14,0	3,93	0,67	62	14,1	4,05	0,68	61	14,1	4,10	0,68	61	14,0	4,08	0,67	62	13,7	4,01	0,66	64	13,4	3,86	0,64	66			
015		18,3	4,05	0,87	31	18,3	4,17	0,87	31	18,2	4,22	0,86	33	17,9	4,21	0,85	35	17,7	4,16	0,84	37	17,2	4,03	0,82	41	16,7	3,85	0,80	44			
008	15	9,0	2,24	0,43	47	10,3	4,05	0,49	37	10,8	4,87	0,52	31	11,1	5,18	0,53	29	11,3	5,05	0,54	27	11,2	4,78	0,54	27	10,8	4,37	0,52	31			
012		15,2	3,98	0,73	55	15,5	4,24	0,75	52	15,7	4,42	0,76	50	15,8	4,52	0,76	50	15,8	4,54	0,76	50	15,6	4,46	0,75	52	15,3	4,31	0,73	55			
015		20,2	4,60	0,96	10	20,1	4,70	0,96	10	20,0	4,73	0,95	13	19,7	4,69	0,94	15	19,4	4,59	0,92	20	19,0	4,43	0,90	25	18,5	4,23	0,88	29			
008	18	8,8	2,06	0,42	48	10,4	3,98	0,50	35	11,1	4,95	0,53	29	11,6	5,36	0,55	25	11,9	5,32	0,57	21	11,8	5,05	0,57	21	11,5	4,61	0,55	25			
012		16,1	4,12	0,77	49	16,5	4,44	0,79	46	16,7	4,66	0,80	44	16,9	4,79	0,81	42	16,9	4,82	0,81	42	16,7	4,76	0,80	44	16,4	4,61	0,79	46			
015		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,1	4,71	0,95	13	19,6	4,47	0,93

		Condenser entering air temperature, °C																														
		25				30				35				40				45				46										
		LWT	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP	Qh	EER	q	ESP		
°C	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa
008	-5	5,5	2,72	0,27	65	5,3	2,51	0,26	66	5,0	2,14	0,24	68	4,6	1,93	0,22	69	4,1	1,55	0,20	70	4,0	1,50	0,19	71							
012		7,7	2,23	0,37	84	7,4	2,06	0,35	85	6,9	1,87	0,33	85	6,5	1,66	0,31	86	5,9	1,42	0,29	87	5,8	1,38	0,28	87							
015		9,4	2,25	0,46	80	8,9	2,07	0,43	81	8,3	1,83	0,40	83	7,7	1,56	0,37	84	6,9	1,25	0,33	85	6,7	1,19	0,33	85							
008	0	6,8	3,06	0,33	60	6,6	2,83	0,32	61	6,2	2,50	0,30	63	5,7	2,23	0,28	64	5,2	1,82	0,25	67	5,1	1,73	0,25	67							
012		9,4	2,71	0,46	80	8,9	2,50	0,43	81	8,4	2,26	0,41	82	8,0	2,00	0,38	83	7,3	1,68	0,35	85	7,2	1,61	0,35	85							
015		11,8	2,73	0,57	72	11,2	2,51	0,54	74	10,6	2,26	0,51	77	9,8	1,93	0,47	79	8,9	1,58	0,43	81	8,8	1,49	0,43	81							
008	5	8,3	3,40	0,40	51	7,9	3,18	0,38	54	7,6	2,89	0,36	56	6,9	2,58	0,33	60	6,4	2,13	0,31	62	6,3	1,99	0,30	63							
012		11,1	3,23	0,54	74	10,6	2,98	0,51	77	9,9	2,69	0,48	78	9,2	2,35	0,45	80	8,5	1,96	0,41	82	8,3	1,88	0,40	83							
015		14,4	3,29	0,69	60	13,7	3,04	0,66	64	13,2	2,76	0,64	66	12,1	2,35	0,59	70	11,2	1,93	0,54	74	11,0	1,85	0,53	75							
008	7	8,7	3,53	0,42	48	8,4	3,29	0,40	51	8,0	3,10	0,38	52	7,3	2,67	0,35	57	6,8	2,20	0,33	60	6,6	2,06	0,32	61							
012		11,8	3,39	0,57	72	11,3	3,13	0,55	74	10,8	2,93	0,52	74	9,9	2,46	0,48	78	9,1	2,05	0,44	81	9,0	1,96	0,44	81							
015		15,1	3,42	0,72	56	14,4	3,15	0,69	60	14,0	2,91	0,67	60	12,8	2,45	0,62	68	11,9	2,02	0,57	72	11,7	1,93	0,56	73							
008	10	9,4	3,74	0,45	43	9,0	3,46	0,43	47	8,5	3,17	0,41	49	7,9	2,80	0,38	54	7,3	2,31	0,35	57	-	-	-	-							
012		13,0	3,65	0,62	68	12,4	3,37	0,60	70	11,8	3,03	0,57	72	11,0	2,64	0,53	75	10,2	2,17	0,49	78	-	-	-	-							
015		16,1	3,61	0,77	49	15,5	3,33	0,74	53	14,9	3,01	0,72	56	13,9	2,60	0,67	62	13,0	2,15	0,62	68	-	-	-	-							
008	15	10,4	4,11	0,50	35	10,0	3,75	0,48	38	9,5	3,47	0,46	42	8,9	3,01	0,43	47	-	-	-	-	-	-	-	-							
012		14,8	4,08	0,71	58	14,3	3,77	0,69	60	13,8	3,38	0,66	64	12,8	2,92	0,62	68	-	-	-	-	-	-	-	-							
015		18,0	3,95	0,85	35	17,2	3,63	0,82	41	16,6	3,29	0,80	44	15,6	2,84	0,75	52	-	-	-	-	-	-	-	-							
008	18	11,1	4,34	0,53	29	10,7	3,94	0,51	33	10,1	3,70	0,48	37	9,5	3,15	0,45	43	-	-	-	-	-	-	-	-							
012		16,0	4,36	0,77	49	15,4	4,02	0,74	53	15,0	3,65	0,72	54	13,8	3,09	0,67	62	-	-	-	-	-	-	-	-							
015		19,0	4,18	0,90	25	18,3	3,83	0,87	31	17,7	3,43	0,85	33	16,7	3,00	0,80	44	-	-	-	-	-	-	-	-							

Key
LWT Leaving water temperature, °C
Qc Cooling capacity, kW
EER Energy efficiency ratio, kW/kW
q Evaporator water flow rate, l/s
ESP External Static Pressure, kPa

Application data
Standard units, refrigerant: R-410A
Evaporator entering/leaving water temperature difference: 5 K
Evaporator fluid: chilled water
Fouling factor: 0 m² kW
Performances in accordance with EN14511-3:2013.

COOLING CAPACITIES IN ACCORDANCE WITH EN14511-3



■ Ereba ACCESS Cooling only 17-40

		Condenser entering air temperature, °C																										
		20				25				30				35				40				46						
		LWT	Qc	EER	q	ESP	Qc	EER	q	ESP	Qc	EER	q	ESP	Qc	EER	q	ESP	Qc	EER	q	ESP	Qc	EER	q	ESP		
°C	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa
017	5	17,7	4,31	0,85	143	17,0	3,82	0,82	148	16,3	3,33	0,78	153	15,5	2,88	0,74	158	14,6	2,48	0,70	163	13,4	2,03	0,65	170			
021		22,9	4,30	1,10	115	22,1	3,86	1,06	120	21,2	3,43	1,02	126	20,2	3,00	0,97	133	18,9	2,55	0,91	140	17,1	2,04	0,83	151			
026		28,4	4,12	1,38	163	27,6	3,68	1,33	170	26,5	3,26	1,28	179	25,2	2,85	1,22	189	23,6	2,44	1,14	201	21,4	1,97	1,04	216			
033		34,5	4,36	1,67	149	33,7	3,91	1,63	155	32,6	3,51	1,57	164	31,2	3,09	1,51	174	29,3	2,66	1,41	188	26,5	2,18	1,28	207			
040		45,0	4,03	2,17	169	43,1	3,60	2,07	179	41,0	3,19	1,97	189	38,7	2,80	1,86	200	36,2	2,42	1,74	211	32,8	1,99	1,58	225			
017	7	18,7	4,49	0,90	137	18,0	3,99	0,87	142	17,2	3,48	0,83	147	16,4	3,01	0,79	152	15,5	2,59	0,75	158	14,2	2,13	0,69	165			
021		24,3	4,47	1,17	106	23,5	4,02	1,13	112	22,5	3,57	1,08	118	21,4	3,12	1,03	126	20,1	2,67	0,97	134	18,2	2,14	0,88	145			
026		30,5	4,35	1,48	146	29,7	3,89	1,44	154	28,5	3,46	1,38	163	27,2	3,04	1,32	174	25,5	2,61	1,23	187	23,1	2,12	1,12	205			
033		36,8	4,56	1,78	131	35,9	4,09	1,74	138	34,6	3,68	1,67	149	33,2	3,24	1,60	160	31,2	2,80	1,51	175	28,3	2,29	1,37	195			
040		47,9	4,18	2,31	155	45,9	3,74	2,21	165	43,7	3,32	2,10	176	41,2	2,91	1,99	188	38,6	2,53	1,86	201	35,0	2,08	1,69	216			
017	10	20,4	4,77	0,98	125	19,7	4,25	0,95	131	18,8	3,72	0,91	137	17,9	3,22	0,86	143	16,9	2,78	0,81	150	15,6	2,29	0,75	158			
021		26,5	4,73	1,28	92	25,6	4,26	1,24	98	24,6	3,80	1,19	105	23,4	3,33	1,13	114	21,9	2,85	1,06	123	19,9	2,29	0,96	136			
026		33,8	4,67	1,64	119	32,8	4,19	1,59	128	31,6	3,75	1,53	139	30,1	3,30	1,46	151	28,3	2,85	1,37	167	25,7	2,33	1,25	187			
033		40,2	4,82	1,95	103	39,2	4,35	1,90	112	37,9	3,92	1,84	123	36,3	3,47	1,76	136	34,3	3,01	1,66	153	31,2	2,48	1,51	176			
040		52,4	4,38	2,53	130	50,2	3,93	2,42	143	47,8	3,49	2,31	156	45,2	3,08	2,18	169	42,3	2,68	2,04	183	38,5	2,23	1,86	201			
017	15	23,7	5,26	1,15	101	22,9	4,72	1,11	108	21,9	4,14	1,06	116	20,8	3,60	1,01	124	19,7	3,12	0,95	132	-	-	-	-			
021		30,7	5,14	1,49	61	29,7	4,65	1,44	69	28,5	4,18	1,38	78	27,2	3,69	1,31	89	25,5	3,18	1,23	101	-	-	-	-			
026		39,5	5,13	1,93	66	38,5	4,65	1,88	76	37,1	4,20	1,81	90	35,4	3,74	1,73	106	33,4	3,27	1,63	125	-	-	-	-			
033		46,4	5,20	2,27	46	45,2	4,73	2,21	58	43,7	4,29	2,13	73	42,0	3,84	2,04	89	39,8	3,36	1,94	109	-	-	-	-			
040		60,4	4,69	2,93	83	57,9	4,22	2,80	99	55,1	3,75	2,67	115	52,1	3,32	2,52	133	48,9	2,91	2,37	150	-	-	-	-			
017	18	25,9	5,54	1,26	84	25,0	4,98	1,21	92	23,9	4,39	1,16	101	22,7	3,83	1,10	110	-	-	-	-	-	-	-	-			
021		33,4	5,34	1,62	40	32,3	4,85	1,57	50	31,1	4,38	1,51	60	29,6	3,89	1,43	71	-	-	-	-	-	-	-	-			
026		42,8	5,33	2,10	32	41,7	4,86	2,04	45	40,2	4,40	1,97	61	38,5	3,95	1,88	78	-	-	-	-	-	-	-	-			
033		50,2	5,33	2,47	7	49,0	4,91	2,40	21	47,4	4,47	2,32	38	45,6	4,03	2,23	56	-	-	-	-	-	-	-	-			
040		65,1	4,83	3,16	52	62,5	4,35	3,04	70	59,8	3,89	2,90	87	56,6	3,45	2,75	106	-	-	-	-	-	-	-	-			

Key

LWT	Leaving water temperature, °C
Qc	Cooling capacity, kW
EER	Energy efficiency ratio, kW/kW
q	Evaporator water flow rate, l/s
ESP	External Static Pressure, kPa

Application data

Standard units, refrigerant: R-410A
 Evaporator entering/leaving water temperature difference: 5K
 Evaporator fluid: chilled water
 Fouling factor: 0 m² k/W
 Performances in accordance with EN14511-3:2013.

COOLING CAPACITIES IN ACCORDANCE WITH EN14511-3



■ Ereba ACCESS Reversible 17-40

		Condenser entering air temperature, °C																										
		20				25				30				35				40				46						
		LWT	Qc	EER	q	ESP	Qc	EER	q	ESP	Qc	EER	q	ESP	Qh	EER	q	ESP	Qc	EER	q	ESP	Qc	EER	q	ESP		
°C	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa	kW	kW/kW	l/s	kPa
017	5	17,0	4,37	0,82	147	16,4	3,89	0,79	151	15,6	3,38	0,75	156	14,8	2,92	0,71	161	14,0	2,50	0,67	166	12,8	2,05	0,62	172			
021		21,2	4,17	1,02	125	20,5	3,72	0,99	130	19,7	3,32	0,95	135	18,8	2,91	0,90	141	17,6	2,49	0,85	148	15,9	2,00	0,77	157			
026		27,6	3,98	1,34	194	26,8	3,54	1,29	200	25,8	3,14	1,24	207	24,6	2,75	1,19	215	23,1	2,36	1,12	224	21,1	1,92	1,02	236			
033		34,2	4,26	1,65	160	33,2	3,82	1,60	168	32,0	3,41	1,55	177	30,6	2,98	1,48	187	28,5	2,55	1,38	200	25,8	2,07	1,25	217			
040		42,4	3,87	2,04	182	40,7	3,46	1,96	190	38,9	3,07	1,87	199	36,8	2,69	1,77	208	34,6	2,32	1,66	217	31,7	1,91	1,52	229			
017	7	18,1	4,57	0,87	140	17,4	4,06	0,84	145	16,6	3,55	0,80	150	15,7	3,06	0,76	155	14,8	2,63	0,71	161	13,6	2,16	0,66	168			
021		22,5	4,34	1,08	118	21,7	3,87	1,05	123	20,8	3,46	1,00	128	19,9	3,04	0,96	134	18,6	2,61	0,90	142	16,9	2,10	0,81	152			
026		29,4	4,16	1,42	183	28,5	3,71	1,38	189	27,4	3,30	1,33	196	26,2	2,89	1,26	205	24,6	2,49	1,19	215	22,5	2,03	1,09	228			
033		36,1	4,43	1,74	147	35,0	3,96	1,69	156	33,7	3,55	1,63	165	32,2	3,11	1,55	176	30,1	2,66	1,45	191	27,4	2,18	1,32	208			
040		44,9	4,03	2,16	170	43,1	3,61	2,08	179	41,2	3,20	1,98	188	39,1	2,81	1,88	198	36,7	2,43	1,77	208	33,7	2,01	1,62	221			
017	10	19,7	4,86	0,95	129	18,9	4,33	0,91	135	18,1	3,80	0,87	141	17,2	3,29	0,83	147	16,2	2,83	0,78	153	14,9	2,33	0,72	161			
021		24,4	4,58	1,18	105	23,6	4,09	1,14	111	22,7	3,67	1,09	117	21,7	3,23	1,04	124	20,3	2,79	0,98	132	18,5	2,26	0,89	144			
026		32,0	4,41	1,55	164	31,1	3,95	1,51	171	29,9	3,52	1,45	179	28,6	3,10	1,38	189	26,9	2,69	1,30	201	24,6	2,20	1,19	216			
033		38,7	4,65	1,88	127	37,6	4,17	1,82	136	36,2	3,74	1,75	147	34,6	3,29	1,68	159	32,5	2,84	1,57	175	29,7	2,33	1,44	194			
040		49,0	4,25	2,37	148	47,0	3,81	2,27	159	44,9	3,39	2,16	170	42,6	2,98	2,05	182	40,1	2,60	1,93	193	36,8	2,15	1,77	208			
017	15	22,9	5,40	1,11	106	22,1	4,81	1,07	113	21,1	4,26	1,02	120	20,1	3,71	0,97	128	18,9	3,20	0,91	136	-	-	-	-			
021		28,2	4,95	1,37	79	27,3	4,45	1,32	87	26,1	4,00	1,26	95	24,9	3,55	1,20	104	23,4	3,08	1,13	114	-	-	-	-			
026		36,0	4,75	1,75	133	34,9	4,27	1,70	142	33,6	3,82	1,63	153	32,0	3,38	1,56	165	30,3	2,95	1,47	178	-	-	-	-			
033		43,8	5,00	2,13	85	42,7	4,52	2,08	96	41,2	4,09	2,00	108	39,5	3,63	1,92	123	37,3	3,15	1,81	141	-	-	-	-			
040		56,9	4,56	2,76	104	54,6	4,10	2,65	117	52,2	3,65	2,52	132	49,4	3,23	2,39	147	46,4	2,84	2,25	163	-	-	-	-			
017	18	25,0	5,70	1,21	89	24,1	5,09	1,17	97	23,1	4,54	1,12	106	21,9	3,96	1,06	115	-	-	-	-	-	-	-	-			
021		30,6	5,13	1,48	62	29,5	4,62	1,43	71	28,3	4,17	1,37	80	27,0	3,72	1,31	90	-	-	-	-	-	-	-	-			
026		38,1	4,90	1,86	116	36,9	4,42	1,80	127	35,5	3,96	1,73	139	33,9	3,52	1,65	152	-	-	-	-	-	-	-	-			
033		47,3	5,20	2,31	53	46,1	4,73	2,25	65	44,6	4,29	2,17	80	42,8	3,83	2,08	96	-	-	-	-	-	-	-	-			
040		61,6	4,72	2,99	74	59,4	4,25	2,89	88	56,9	3,79	2,76	104	54,0	3,37	2,62	122	-	-	-	-	-	-	-	-			

Key

LWT	Leaving water temperature, °C
Qc	Cooling capacity, kW
EER	Energy efficiency ratio, kW/kW
q	Evaporator water flow rate, l/s
ESP	External Static Pressure, kPa

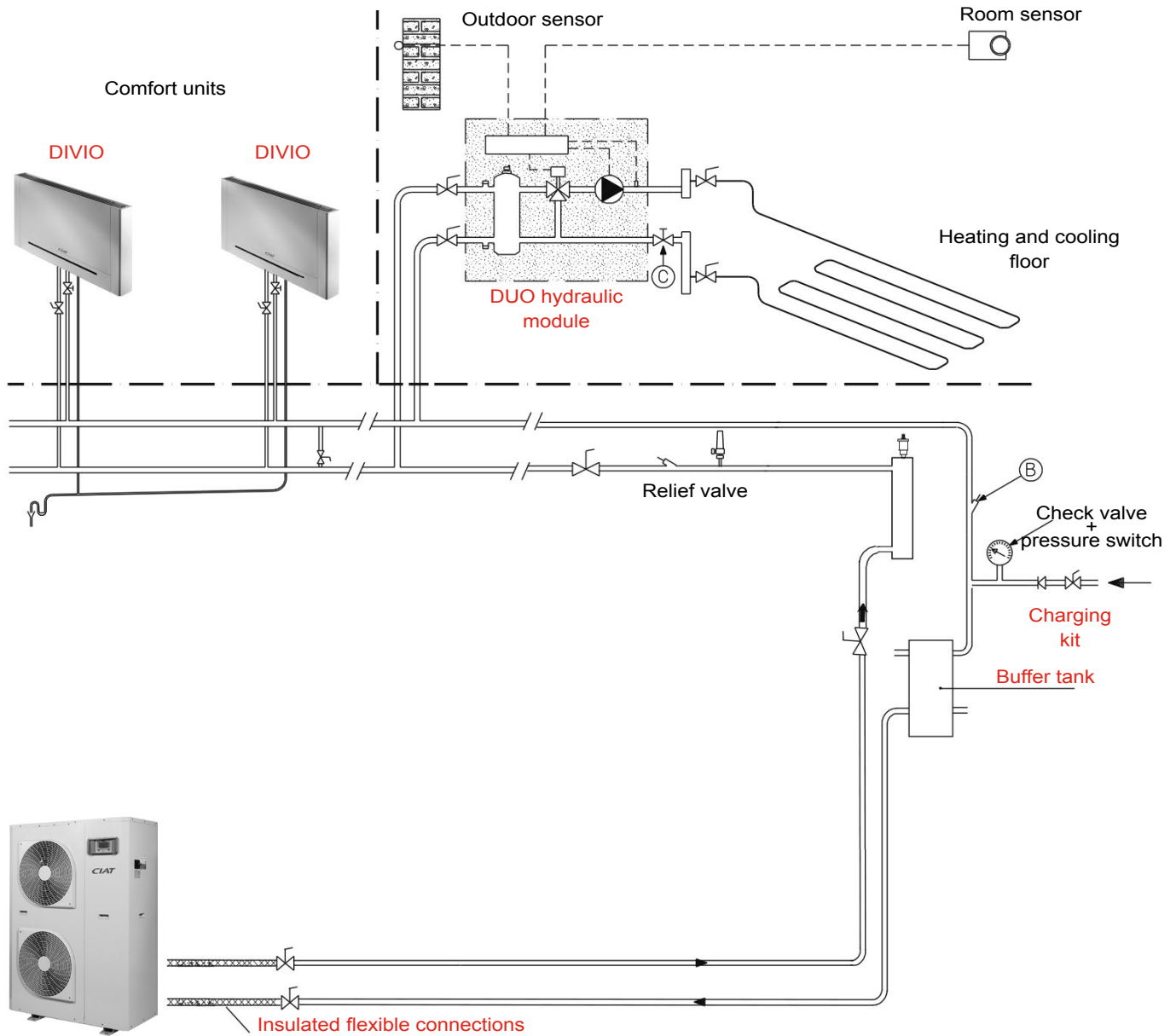
Application data

Standard units, refrigerant: R-410A
 Evaporator entering/leaving water temperature difference: 5K
 Evaporator fluid: chilled water
 Fouling factor: 0 m² k/W
 Performances in accordance with EN14511-3:2013.

EREBA ACCESS

Air-Cooled Liquid Chillers and Reversible Air-to-Water Heat Pumps

SCHEMATIC INSTALLATION DIAGRAM



(A) Shut-off valves (B) Thermometer pockets (C) Control valves ■ Option

Note: the schematic diagrams herein are provided for information only. Under no circumstances do they constitute actual installation diagrams

This document is not legally binding. As part of its continuous drive to improve its equipment, CIAT reserves the right to make any technical modifications without prior notice.
Ref.: NA 19.755A

Siège social (Head office)
700 Avenue Jean Falconnier - B.P. 14
01350 - Culoz - France
Tel.: +33 (0)4 79 42 42 42
Fax: +33 (0)4 79 42 42 10
www.ciat.com



CIAT Service
Technical support: 0 892 05 93 93 (€0.34/min)
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pdrfrance@ciat.utc.com - PDRGarantie@ciat.fr

