

# Omicron V Evo

Multifunctional unit 231÷773



## General

Air/water unit with independent production of chilled water and hot water equipped with axial fans and semihermetic screw compressors. Production of hot water up to 65°.

## Configurations

4T: 4-pipe circuit. 2T: 2-pipe circuit

LT: Low temperature unit for heat pump operation with low temperature systems

HT: High temperature unit for hot tap water

LN: Low sound level. SLN: Superlow sound level

Optional pump

## Quick facts

- ▶ A customized range
- ▶ Ideal for domestic water (65°C)
- ▶ Top efficiency
- ▶ Three sound levels
- ▶ Eco-friendly cooling
- ▶ Patented innovation
- ▶ Efficient energy performance

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## TECHNICAL FEATURES

### Omicron V Evo multifunctional units

These innovative multifunctional units, available in 2-pipe and 4-pipe versions are designed to meet the distinctive needs of a large clientele. Omicron V Evo machines use R134a refrigerating fluid and newly designed screw compressors. The use of an ecological refrigerant fluid like the R134a and the outstanding energy efficiency provide the opportunity to choose units that allow considerable energy savings.

Below is illustrated the operating principle of the 2-pipe and 4-pipe units.

### OPERATION

#### Omicron V Evo 4T:

##### 4-pipe unit

The 4-pipe multifunctional unit produces cold and hot water on two separate circuits, independently or at the same time, according to the diagrams shown on page 5.

#### Omicron V Evo 2T:

##### 2-pipe unit

The two-pipe multifunction unit provides chilled water for summer cooling or hot water for winter heating on the same circuit; at the same time or independently domestic hot water production can be enabled. The operating modes are illustrated on page 4.

### DEFROSTING

Defrosting is the system used to avoid the accumulation of frost on the evaporation coil and the removal of any that has formed. Blue Box Group uses a patented defrosting logic (Patent no. 1335232): this is done by reversing the cycle with the fans off, when external air temperature is less than 15°C; with external temperatures above 15°C defrosting is done by air with the compressors off. This way the number of defrosting cycles is reduced by up to 65% and the thermal performance is increased by up to 10%.

### CONDENSATION AND EVAPORATION PRESSURE CONTROL

This function allows the machine to effectively satisfy the various demands of the system throughout the whole year, and is assured by the modulating adjustment (cut-off device) of the fan speed depending on the pressure measured by the transducers, to extend the operating limits.

### HOT WATER FLOW AUTOMATIC COMPENSATION CONTROL

Fitted as standard on all machines: this function compensates the temperature of the hot water flow (automatically changing the set-point of the heat pump during operation) as the external air temperature drops (climate curve); ideal for very low external air temperatures where the production of hot water is in any case guaranteed.

### THERMOSTATIC VALVE WITH ELECTRONIC CONTROL

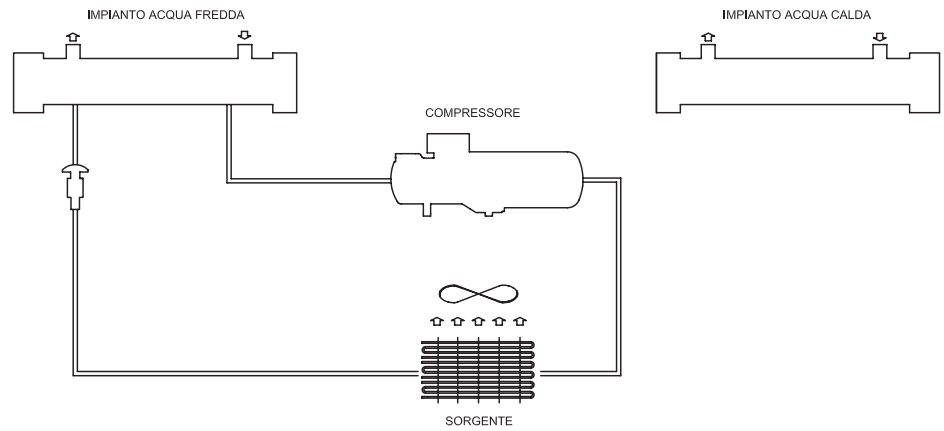
Fitted as standard on all units to guarantee energy savings,

precision and superior comfort by continuous adjustment of the power distribution

OMICRON V EVO 4T

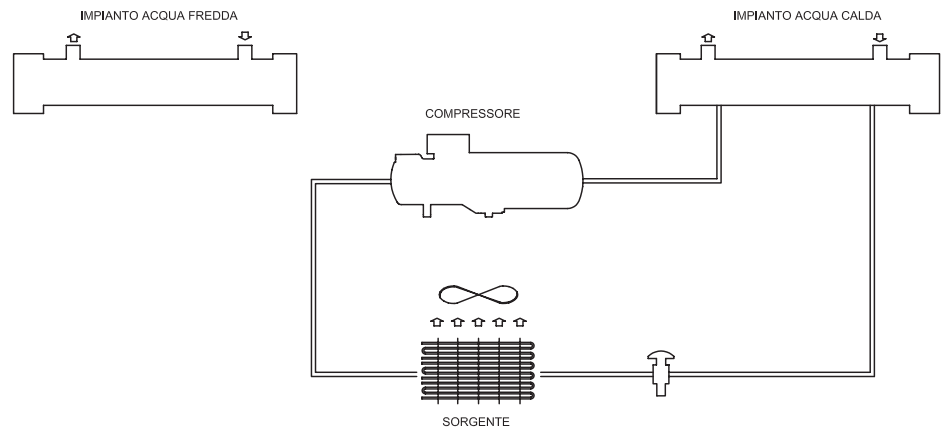
COOLING ONLY

Chilled water production: the evaporator produces chilled water while the finned coil conveys the condensation heat outside.



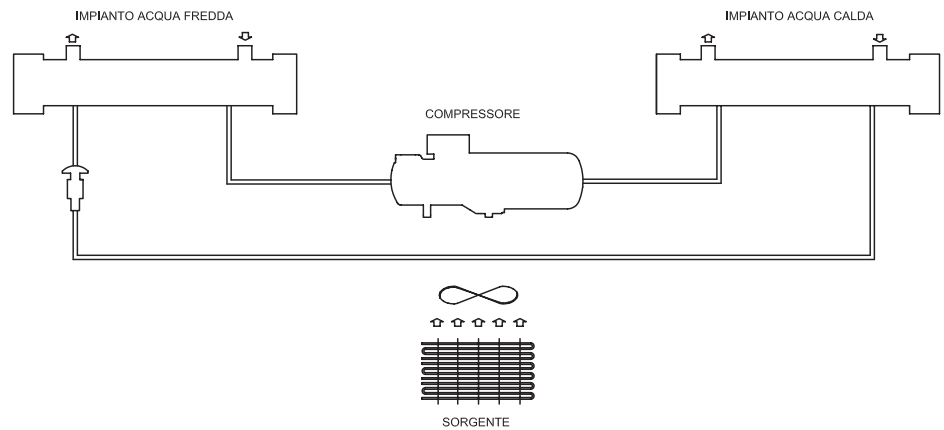
HEATING ONLY

Production of hot water for heating: the external coil works as an evaporator, while hot water is produced in the recovery heat exchanger.



COOLING / HEATING

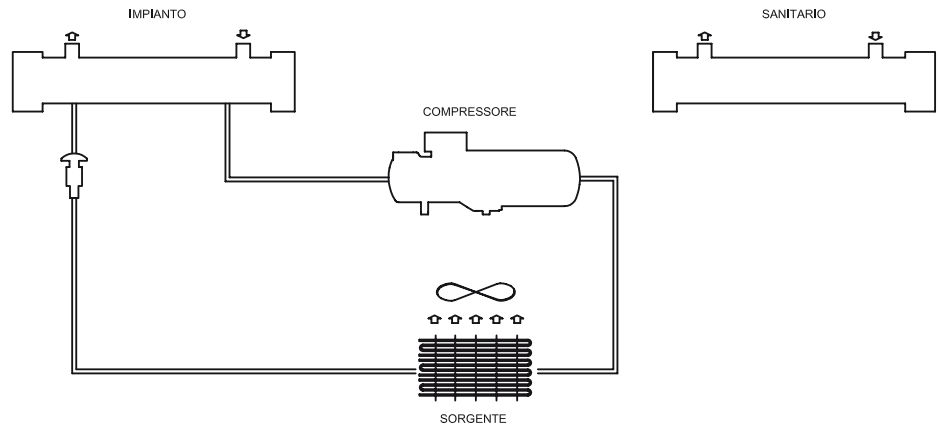
Production of chilled water for cooling and hot water for heating: the external coil is excluded from the refrigerating cycle; the evaporator provides chilled water while the recovery heat exchanger produces hot water.



## OMICRON V EVO 2T

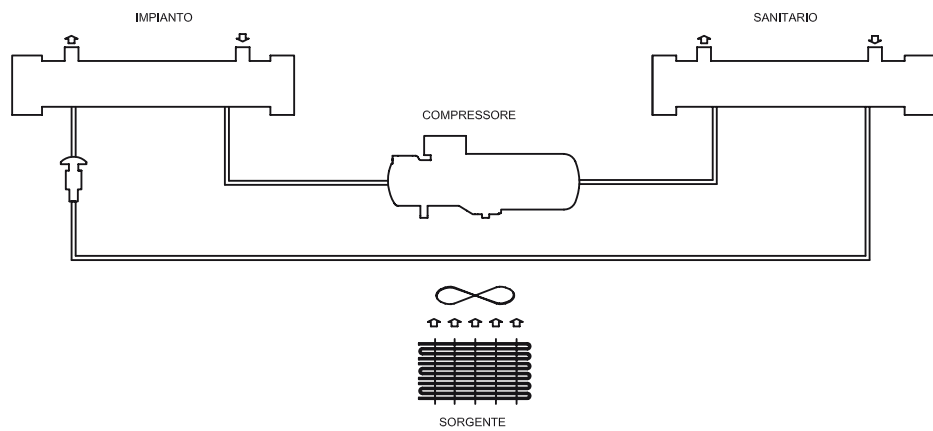
### COOLING ONLY

Chilled water production: the evaporator produces chilled water while the finned coil conveys the condensation heat outside.



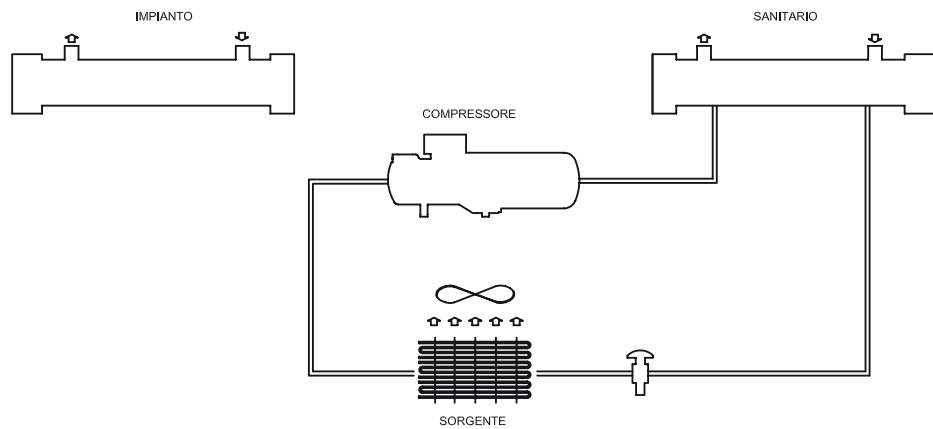
### COOLING / DOMESTIC HOT WATER

Production of chilled water and domestic hot water: while the evaporator produces chilled water, the condensation heat is recovered by a special exchanger (recuperator) to obtain domestic hot water on a separate circuit.



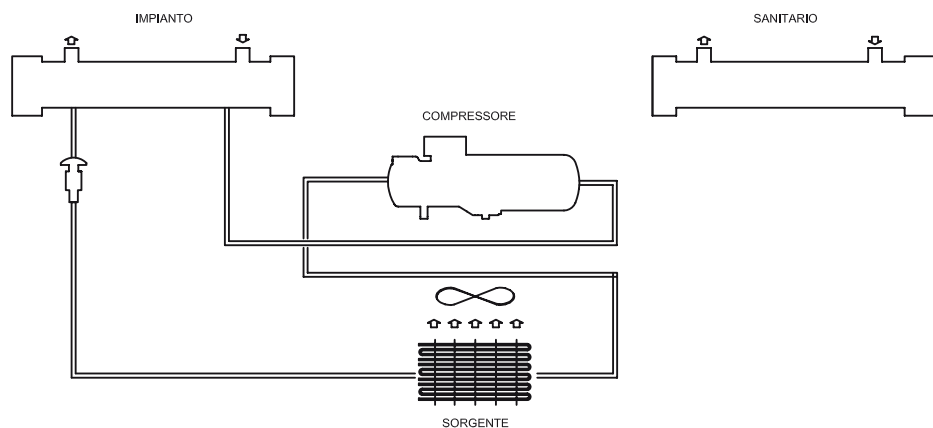
### DOMESTIC HOT WATER

Production of domestic hot water: domestic hot water can be obtained independently, by the recovery exchanger; in this case the finned coil acts as an evaporator.



### HEATING

Production of hot water for heating: the two-pipe system provides air-conditioning during the summer and heating during winter within the same circuit; the finned coil and the tube heat exchanger functions are inverted according to the season: the coil acts as evaporator and the latter as condenser.



## STRUCTURE

Self supporting frame and removable panels lined with noise-absorbent expanded polyurethane matting in galvanised steel sheet painted in RAL 7035 with polyester powder at 180°C, to offer high weather resistance. Stainless steel screws and bolts.

## COMPRESSORS

Semi-hermetic type with screws and capacity steps: 50%, 75%, 100% of the capacity for single circuit, single compressor; 25%, 50%, 62.5%, 75%, 87.5%, 100% of the capacity for dual circuit, dual compressor. The many capacity steps, obtained by means of the slide valve, offer high energy efficiency even for partial capacities because the consistent losses caused by reciprocating compressors modulation are prevented due to the absence of inlet and outlet valves on the compressor. The machine is started and stopped with a compressor capacity reduction of 25% in any configuration. The compressors are fitted as standard with a crankcase heater, oil level sight glass and warning light, drain temperature control sensor. Lubrication takes place naturally due to the difference in inlet and outlet pressure, without the need to use a pump to force the circulation of the lubricant. The electric motor has an integral electronic protection with temperature sensors fitted directly in the coil and on the delivery pipes. The start up is star-triangle type.

## AIR-COOLED HEAT EXCHANGER

The heat exchanger is composed of an aluminium-finned copper-tube multi-row coil, of high efficiency.

## ELECTRIC FANS

Axial fans driven directly by a 6-pole electric motor with integrated klixon thermal protection. Motor protection degree is IP 54. The fan is fitted with a protection grille in compliance with UNI EN 294.

## WATER-COOLED HEAT EXCHANGER

Dry expansion type shell and tube heat exchanger. Enhanced for use with R134a, reduces the refrigerant charge and volume and consequently improves the unit's COP. The exchanger is enclosed in a shell of closed-cell foam in order to guarantee a proper and efficient thermal insulation (anti-condensation) and fitted with a temperature probe to protect from freezing.

## RECOVERY HEAT EXCHANGER

Shell and tube type heat exchanger. Enhanced for use with R134a, reduces the refrigerant charge and volume and consequently improves the unit's COP. The exchanger is enclosed in a shell of closed-cell foam in order to guarantee a proper and efficient thermal insulation (anti-condensation)

## COOLING CIRCUIT

Main components of the cooling circuit: non-return valve towards the compressors, compressor delivery shut off valve, liquid line shut off valve, fluid line solenoid valve, dryer filter with replaceable solid cartridge, fluid line sight glass with humidity indicator, electronic control thermostatic valve for each exchanger, high pressure safety valve, high and low pressure transducers, high and low pressure switch controllers, fluid receiver and separator, circuit configuration solenoid valves, 4-way reversing valve, condensate pressure control by rpm

adjustment for low external temperature chiller operation and high external temperature heat pump operation, flow controller on both supply and recovery side. Consenso ON/OFF per accensione caldaia ad integrazione nella fase di riscaldamento con basse temperature di aria esterna. The basic version has no defrosters fitted neither on heat exchangers nor on hydro- nomic segment. It is therefore mandatory that the pumps on both sides of the unit (cold side and hot side for 4 pipe version and supply and ACS side for 2 pipe version) operate continuously; if not, a defrosting device suited for the hydronic configuration selected, must be provided.

## BOILER ON/OFF SWITCHES FITTED AS STANDARD

Below a certain value of the external air (adjustable parameter) the switch may activate an external plug (eg a boiler) to balance the inevitable differences in heating capacities due to compressor operating limits.

NOTE: The automatic compensation of the Set-Point modifies the set point of the machine, therefore when a Boiler is about to be plugged, the Multifunctional system will control the ON / OFF with re-defined Set.

The multifunctional system will be able to control only the boiler start or stop.

The tank-boiler circuit pump must be controlled separately or by the boiler itself.

The boiler must be dimensioned exclusively for INTEGRATION. This is necessary to avoid start/stop oscillations of the multifunctional system.

## ELECTRICAL PANEL

The panel consists of:

- Main disconnect switch;
- Fuses for main and auxiliary power circuit protection ;
- Compressor contactors ;
- Fan contactors ;
- Microprocessor to control the following functions:
  - Water temperature control with control of the water temperature on the plant return line.
  - Anti-freeze protection;
  - Compressor operation timers;
  - Automatic rotation of compressor start-up sequence;
  - Alarm signals;
  - Alarm reset;
  - Capacity steps;
  - Cumulative alarm contact for remote signaling;
  - Forced capacity reduction according to pressure limits;
  - Alarm log recording; Display of:
    - Outgoing water temperature;
    - Currently set temperature and differential;
    - Alarm description;
    - Run hours and number of starts of the unit, compressors and pumps (where present);
    - High and low pressure and relative condensation and eva-

poration temperatures.

- Power supply [V/f/Hz]: 400/3~/50 ±5%

### CONTROL AND SAFETY DEVICES

- Manual reset double type high pressure controller for each compressor;
- Automatic reset high pressure switch controller with limited trip;
- Automatic reset low pressure switch controller with limited trip;
- High pressure safety valve
- Anti-freeze probe on evaporator outtake;
- Chilled water temperature probe (located on the water return line of the system);
- Compressor and fan thermal breakers;
- Vane actuated mechanical flow switch supplied in the kit;
- Temperature control probe for hot water exchanger ingoing and outgoing water

### TESTING

The units are factory-tested and supplied complete with oil and refrigerant.

### MINIMUM WATER CONTENT

For a proper operation of the machine is necessary to respect the minimum idle time required by the unit between two successive restarts. The unit minimum water content (for both hot and cold side) can be calculated using the following formula:

- Wherein
- $P_{tot}$  = Total cooling power [kW]
  - $\Delta \tau$  = Time interval between two successive restarts of the compressor [s]
  - $\Delta T$  = Water minimum differential-temperature [°C]
  - CP = Water specific heat [kJ / (kg°C)]
  - $\rho$  = Water density [kg / m<sup>3</sup>]
  - v = Water content of storage tank [ l ]
  - N = N Capacity steps

Grouping constant terms together we get:

Following is defined the term K for the most critical conditions to make sure that the minimum water content (without glycol) is supplied:

	<b>Omicron V Evo</b>	<b>OMICRON S EVO</b>
K [ls / J]	35.83	21.50
N	2 (1 compressor)	2 (2 Compressor)
	4 (2 Compressor)	4 (4 Compressor)

## VERSIONS

### HYDRAULIC SYSTEM VERSION

### Omicron V Evo /ST:

#### unit with pumps

For the basic version are available the following configurations:

- ST 1P: 1 pump fitted both on supply and recovery side
- ST 2P: 2 pumps fitted both on supply and recovery side

Automatic switching at set time or in case of failure for the version with two circulating pumps (one in stand-by, the other in operation, both dimensioned for 100% capacity).

### ACCESSORY VERSIONS

#### Omicron V Evo /LN:

##### low-noise unit

In addition to the components of the Omicron V Evo, this version has a fully soundproofed compressor compartment (using high acoustic impedance and sound-absorbent materials). Closed in the compartment and separated from the air flow, the compressors are accessible through a special panel for maintenance operations, even when the unit is on.

#### Omicron V Evo /SLN:

##### super low-noise unit

In addition to the components of the LN, this version has oversized coils and reduced fan speed.

#### Omicron V Evo /LT:

##### low temperature unit

This unit assures heat pump operation at lower evaporation temperatures thanks to the finned coil designed specifically to extend the machine's operating limits at lower external air temperatures. The extension of the operating limits compared to the standard version is illustrated in the special chapter .

#### Omicron V Evo /HT:

##### high temperature unit

This unit reaches condensation temperatures which are higher than the basic version corresponding values, owing to the use of compressors with dedicated electric motors and specifically selected recovery exchangers. In this way hot water can be produced at a temperature of up to 65°C. In this way hot water can be produced at a temperature of up to 65°C. The extension of the operating limits compared to the standard version will be illustrated in a special chapter. This option can be added to all previous versions.

## ACCESSORIES

### REFRIGERANT CIRCUIT ACCESSORIES

- Double set point (high/low temperature) with a single electronic expansion valve fitted as standard. The evaporator is sized according to the high temperature operation. The set point can be changed from the keyboard or the digital input.
- High and low pressure gauges available for all models (the suction and delivery pressures can be read on the control display also in the standard machine configuration).
- Compressor suction valves.



- Low water temperature kit.
- Anti-legionella cycle management for HT version

(As described in the special section on the following page)

### HYDRAULIC CIRCUIT ACCESSORIES

- Defroster for exchangers (in ST operation a defroster is also fitted on the pumps and the pipes).
- Water side safety valve (ST version only).
- 3-way modulating valve (hot water 4-pipe circuit, ACS 2-pipe circuit) for hot outgoing water minimum level control, supplied in the kit.

(As described in the special section on the following page)

### ELECTRICAL ACCESSORIES

- IRS485 serial interface supporting Carel, Modbus, Echelon and Bacnet SNMP, FTP, HTTP protocols;
- Power factor correction  $\cos \varphi \geq 0.9$  under nominal operating conditions on the panel outside the unit in IP 55 (power supply connected by the installer directly on the main), supplied in the kit;
- Remote user terminal (in addition to the standard one);
- Variable set point with remote signal (0-1V, 0-10V, 0-20mA, 4-20mA);
- Double set point;
- Dry contacts.
- EC Axial fans
- Absorbed current limit;
- Maximum and minimum voltage relay;
- Electronic soft-starter
- Automatic circuit breakers for compressors and fans
- Power supply 415/3/50
- EC fans
- signal for 3-way modulating valve

### MISCELLANEOUS ACCESSORIES

- Rubber or spring vibration dampers;
- Copper/copper condensation coil;
- Copper/tinned-copper condensation coil;
- Prepainted aluminium condensation coil;
- Condensation coil with passivated aluminium and polyurethane coating. The treatment consists of a double layer, the first of which passivates the aluminium and acts as a primer and the second which is a polyurethane-based surface coating. The product has high anti-corrosive properties and virtually resists to all environmental conditions. For installation in marine and rural environments, industrial and urban areas;
- Special pallet/skid for container shipment;
- Protection of finned hail;

### DOUBLE SET-POINT

The microprocessor enables you to set two set temperatures for the production of cold and hot water. Unless specified otherwise in the order, the default values are 12/7 °C and 15/10 °C for chiller mode and 40/45 °C and 35/40 °C for heat pump

mode. The set temperatures must, in any case, remain within the operating ranges of the unit.

Use either the keypad or the digital input to switch between the first and second set. For series that do not permit the simultaneous selection of "Select summer/winter mode with digital input" and "Double set point with digital input", summer/winter mode can be selected only on the keypad while the double set point still uses the digital input, as per our standard.

### EC FANS

Units can be coupled to the innovative direct current EC axial fans with electronically commutated brushless motor.

These motors with permanent magnets rotor ensure a high level of efficiency for all work conditions and allow to obtain a 15% saving per fan.

Moreover, through a 0-10V analogical signal sent to every fan, the microprocessor allows to control the condensation through continuous air flow regulations on variation of the outdoor air temperature and a consequent sound emission reduction

### "BRINE KIT" ACCESSORY

It is applied if the evaporator output temperature is included within +3°C and -8°C. It consists in a higher thermal insulation of the exchanger and piping, a specific calibration of the low pressure switches and of the anti-freeze alarm, and dimensioning check of the mechanical thermostatic valve.

If it is not included in the set-up, the "Check condensation" accessory must be added.

### ANTI-LEGIONELLA CYCLE CONTROL (for HT only)

Enables control by means of a clock inside the control board:

Time slot/Day/Week.

The hot water side set-point can be changed during the selected period to produce for example 60/65 [°C], proper for the neutralization of bacteria. 2-pipe accessory if fitted, provides the same result: Double Set-point on domestic water side digital input - 4-pipe: Double Set-point on hot water side digital input; the set-point change is managed via an external supervision system.

### 3-WAY MODULATING VALVE or EXTERNAL DRIVE SIGNAL

The 3-way modulating valve (always supplied in the kit) on the recovery circuit or the drive signal provided both for 4-pipe and 2-pipe versions enable the optimal control at start-up after long stops (when the water is very cold).

For the 4-pipe configuration the valve will be always open during defrosting in order to enable the proper operation of the unit.





## OMICRON V EVO BASE AND /LN - TECHNICAL DATA

UNIT SIZE			23.1	25.1	28.1	31.1	33.2	35.2	37.2	40.2	43.2
<b>Cooling (Gross values)</b>											
Nominal cooling capacity	(1)	kW	231	252	280	301	335	349	370	399	437
Total power input for cooling		kW	80	92	100	109	116	126	137	149	154
Evaporator water flow rate		l/h	39.725	43.336	48.151	51.763	57.610	60.017	63.629	68.616	75.150
Evaporator pressure drops		kPa	25	29	33	36	35	39	33	37	39
EER			2,88	2,73	2,81	2,76	2,90	2,78	2,71	2,68	2,83
<b>Cooling (EN 14511 values)</b>											
Nominal cooling capacity	(1),(8)	kW	230	251	279	300	334	348	369	398	436
EER			2,85	2,70	2,77	2,72	2,87	2,75	2,68	2,65	2,80
<b>Heating (Gross values)</b>											
Nominal heating capacity	(2)	kW	245	269	302	323	364	376	400	426	457
Total power input for heating		kW	72	80	87	93	103	112	118	125	134
Condenser water flow rate		l/h	41.840	45.905	51.535	55.097	62.086	64.186	68.184	72.622	78.054
Condenser pressure drops		kPa	28	34	39	43	43	46	40	43	44
COP			3,41	3,38	3,46	3,48	3,54	3,37	3,40	3,40	3,43
<b>Heating (EN 14511 values)</b>											
Nominal heating capacity	(2),(8)	kW	246	270	303	324	365	378	401	427	459
COP			3,38	3,36	3,43	3,44	3,51	3,34	3,37	3,38	3,40
<b>Heating and cooling (Gross values)</b>											
Nominal cooling capacity	(3)	kW	238	267	294	322	345	363	392	428	449
Compressors absorbed power		kW	70	78	86	92	100	108	115	123	131
Nominal heating capacity	(3)	kW	308	345	380	414	445	470	507	551	580
Evaporator water flow rate		l/h	41.005	45.898	50.644	55.339	59.352	62.411	67.420	73.530	77.230
Evaporator pressure drops		kPa	27	33	37	41	37	42	37	42	41
Condenser water flow rate		l/h	52.567	58.805	64.880	70.648	75.995	80.276	86.442	93.955	99.043
Condenser pressure drops		kPa	43	52	58	67	61	68	60	68	67
EER			3,43	3,44	3,44	3,49	3,44	3,38	3,42	3,48	3,42
COP			4,43	4,44	4,44	4,49	4,44	4,38	4,42	4,48	4,42
<b>Heating and cooling (EN14511 values)</b>											
Nominal cooling capacity	(3),(8)	kW	238	266	294	321	344	362	391	426	448
Compressors absorbed power		kW	70	78	86	92	100	108	115	123	131
Nominal heating capacity	(3),(8)	kW	309	346	382	416	447	473	509	553	583
EER			3,33	3,33	3,32	3,36	3,33	3,25	3,31	3,35	3,30
COP			4,33	4,33	4,32	4,36	4,33	4,25	4,31	4,35	4,30
<b>Compressors</b>											
Type							Screw				
Quantity/Cooling circuits		n°/n°	1 / 1	1 / 1	1 / 1	1 / 1	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Capacity steps		n°	3	3	3	3	6	6	6	6	6
Total oil load		kg	15	18	20	23	32	32	32	32	31
<b>Fans</b>											
Type							Axial				
Quantity		n°	4	4	4	4	6	6	6	6	8
Air flow		m3/s	24,2	24,22	23,89	23,89	37,22	37,22	37,22	37,22	48,33
<b>Evaporator</b>											
Type							Tube				
Quantity			1	1	1	1	1	1	1	1	1
Water content		l	98	98	138	138	133	133	128	128	155
<b>Hydraulic system - Cooled water circuit (chiller)</b>											
Available static pressure ST 2P		kPa	225	233	221	212	198	187	182	168	217
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Hydraulic system - Hot water circuit (total recovery)</b>											
Available static pressure ST 2P		kPa	200	177	154	208	195	184	184	168	191
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Noise levels</b>											
Basic unit noise power level	(5)	dB(A)	93	94	94	94	94	94	95	96	96
Basic unit noise pressure level	(6)	dB(A)	61	62	62	62	62	62	63	64	64
LN version noise power level	(5)	dB(A)	87	87	87	88	89	89	89	90	90
LN version noise pressure level	(6)	dB(A)	55	55	55	56	57	57	57	58	58
<b>Basic unit dimensions</b>											
Length		mm	3.891	3.891	3.891	3.891	5.391	5.391	5.391	5.391	6.389
Depth		mm	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280
Height		mm	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402

(1) External air temperature 35°C; evaporator ingoing-outgoing water temperature 12-7°C

(2) External air temperature 7°C BS, 87% UR; condenser ingoing-outgoing water temperature 40-45 °C

(3)Evaporator ingoing-outgoing water temperature 12-7°C; condenser ingoing-outgoing water temperature 40-45 °C

(4) 50%, 75%, 100% for single circuit; 25%, 50%, 62.5%, 75%, 87.5%, 100 for dual circuit.

(5)Lw: sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.

(6)Lp: sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.

(7)Values in compliance with EN 14511-3:2011

## OMICRON V EVO BASE AND /LN - TECHNICAL DATA

UNIT SIZE			47.2	51.2	54.2	58.2	61.2	67.2	70.2	73.2	80.2
<b>Cooling (Gross values)</b>											
Nominal cooling capacity	(1)	kW	464	491	541	581	635	665	696	727	773
Total power input for cooling		kW	176	188	205	227	212	227	247	259	278
Evaporator water flow rate		l/h	79.794	84.437	93.035	99.914	109.200	114.359	119.690	125.021	132.932
Evaporator pressure drops		kPa	44	27	40	27	35	37	41	37	42
EER			2,63	2,62	2,64	2,56	3,00	2,93	2,82	2,81	2,79
<b>Cooling (EN 14511 values)</b>											
Nominal cooling capacity	(1),(8)	kW	462	490	539	580	633	663	694	725	771
EER			2,60	2,60	2,61	2,54	2,96	2,90	2,79	2,78	2,75
<b>Heating (Gross values)</b>											
Nominal heating capacity	(2)	kW	491	515	617	656	681	712	762	778	865
Total power input for heating		kW	149	157	176	187	190	198	212	216	235
Condenser water flow rate		l/h	83.825	87.805	105.290	111.927	116.282	121.446	130.117	132.823	147.658
Condenser pressure drops		kPa	50	31	53	34	42	44	50	43	53
COP			3,31	3,28	3,52	3,51	3,59	3,60	3,60	3,60	3,68
<b>Heating (EN 14511 values)</b>											
Nominal heating capacity	(2),(8)	kW	493	516	619	658	684	714	765	781	869
COP			3,28	3,26	3,48	3,48	3,56	3,57	3,56	3,57	3,65
<b>Heating and cooling (Gross values)</b>											
Nominal cooling capacity	(3)	kW	489	525	579	634	649	675	720	761	811
Compressors absorbed power		kW	147	155	171	184	181	189	202	208	224
Nominal heating capacity	(3)	kW	635	679	750	818	829	864	922	969	1035
Evaporator water flow rate		l/h	84.037	90.280	99.535	109.099	111.533	116.058	123.785	130.876	139.527
Evaporator pressure drops		kPa	49	50	31	32	42	28	37	41	41
Condenser water flow rate		l/h	108.409	115.951	127.952	139.661	141.530	147.419	157.306	165.366	176.595
Condenser pressure drops		kPa	79	50	75	51	59	62	70	64	73
EER			3,33	3,40	3,38	3,45	3,59	3,57	3,56	3,66	3,63
COP			4,33	4,40	4,38	4,45	4,59	4,57	4,56	4,66	4,63
<b>Heating and cooling (EN14511 values)</b>											
Nominal cooling capacity	(3),(8)	kW	487	523	577	633	646	673	718	759	809
Compressors absorbed power		kW	147	155	171	184	181	189	202	208	224
Nominal heating capacity	(3),(8)	kW	639	682	754	821	833	868	926	973	1040
EER			3,20	3,29	3,27	3,35	3,47	3,47	3,44	3,54	3,50
COP			4,20	4,29	4,27	4,35	4,47	4,47	4,44	4,54	4,50
<b>Compressors</b>											
Type								Screw			
Quantity/Cooling circuits		n°/n°	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Capacity steps		n°	6	6	6	6	6	6	6	6	6
Total oil load		kg	33	36	40	46	38	40	46	43	46
<b>Fans</b>											
Type								Axial			
Quantity		n°	8	8	8	8	10	10	10	10	10
Air flow		m3/s	48,33	48,33	45,56	45,56	56,89	56,89	56,89	56,89	54,44
<b>Evaporator</b>											
Type								Tube			
Quantity			1	1	1	1	1	1	1	1	1
Water content		l	155	155	221	214	208	208	208	373	373
<b>Hydraulic system - Cooled water circuit (chiller)</b>											
Available static pressure ST 2P		kPa	208	220	194	197	185	185	176	175	213
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Hydraulic system - Hot water circuit (total recovery)</b>											
Available static pressure ST 2P		kPa	162	208	168	174	186	177	157	199	170
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Noise levels</b>											
Basic unit noise power level	(5)	dB(A)	97	97	98	98	99	99	99	100	100
Basic unit noise pressure level	(6)	dB(A)	65	65	66	65	66	66	66	67	67
LN version noise power level	(5)	dB(A)	90	91	91	92	92	93	93	94	94
LN version noise pressure level	(6)	dB(A)	58	59	59	59	59	60	60	61	61
<b>Basic unit dimensions</b>											
Length		mm	6.389	6.389	6.389	6.389	7.391	7.391	7.391	7.391	7.391
Depth		mm	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280
Height		mm	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402

(1) External air temperature 35°C; evaporator ingoing-outgoing water temperature 12-7°C

(2) External air temperature 7°C BS, 87% UR; condenser ingoing-outgoing water temperature 40-45 °C

(3)Evaporator ingoing-outgoing water temperature 12-7°C; condenser ingoing-outgoing water temperature 40-45 °C

(4) 50%, 75%, 100% for single circuit; 25%, 50%, 62.5%, 75%, 87.5%, 100 for dual circuit.

(5)Lw: sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.

(6)Lp: sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.

(7)Values in compliance with EN 14511-3:2011

## OMICRON V EVO /SLN - TECHNICAL DATA

UNIT SIZE			23.1	25.1	28.1	31.1	33.2	35.2	37.2	40.2	43.2
<b>Cooling (Gross values)</b>											
Nominal cooling capacity	(1)	kW	228	249	266	284	330	346	364	395	430
Total power input for cooling		kW	83	95	108	119	120	129	141	153	160
Evaporator water flow rate		l/h	39.129	42.903	45.744	48.916	56.745	59.417	62.674	67.929	74.023
Evaporator pressure drops		kPa	24	28	30	32	34	38	32	36	38
EER			2,74	2,63	2,46	2,40	2,76	2,67	2,58	2,58	2,70
<b>Cooling (EN 14511 values)</b>											
Nominal cooling capacity	(1),(8)	kW	227	249	265	284	329	344	363	394	429
EER			2,71	2,60	2,44	2,37	2,73	2,64	2,56	2,55	2,66
<b>Heating (Gross values)</b>											
Nominal heating capacity	(2)	kW	253	276	294	316	375	386	412	436	471
Total power input for heating		kW	70	78	84	90	100	109	115	122	130
Condenser water flow rate		l/h	43.113	47.072	50.229	53.974	63.973	65.815	70.257	74.477	80.428
Condenser pressure drops		kPa	30	36	37	41	46	48	42	45	47
COP			3,59	3,55	3,50	3,50	3,74	3,55	3,57	3,57	3,62
<b>Heating (EN 14511 values)</b>											
Nominal heating capacity	(2),(8)	kW	253	277	295	317	376	387	413	438	473
COP			3,56	3,52	3,47	3,47	3,70	3,51	3,54	3,54	3,58
<b>Heating and cooling (Gross values)</b>											
Nominal cooling capacity	(3)	kW	238	267	294	322	345	363	392	428	449
Compressors absorbed power		kW	70	78	86	92	100	108	115	123	131
Nominal heating capacity	(3)	kW	308	345	380	414	445	470	507	551	580
Evaporator water flow rate		l/h	41.005	45.898	50.644	55.339	59.352	62.411	67.420	73.530	77.230
Evaporator pressure drops		kPa	27	33	37	41	37	42	37	42	41
Condenser water flow rate		l/h	52.567	58.805	64.880	70.648	75.995	80.276	86.442	93.955	99.043
Condenser pressure drops		kPa	43	52	58	67	61	68	60	68	67
EER			3,43	3,44	3,44	3,49	3,44	3,38	3,42	3,48	3,42
COP			4,43	4,44	4,44	4,49	4,44	4,38	4,42	4,48	4,42
<b>Heating and cooling (EN14511 values)</b>											
Nominal cooling capacity	(3),(8)	kW	238	266	294	321	344	362	391	426	448
Compressors absorbed power		kW	70	78	86	92	100	108	115	123	131
Nominal heating capacity	(3),(8)	kW	309	346	382	416	447	473	509	553	583
EER			3,33	3,33	3,32	3,36	3,33	3,25	3,31	3,35	3,30
COP			4,33	4,33	4,32	4,36	4,33	4,25	4,31	4,35	4,30
<b>Compressors</b>											
Type							Screw				
Quantity/Cooling circuits		n°/n°	1 / 1	1 / 1	1 / 1	1 / 1	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Capacity steps		n°	3	3	3	3	6	6	6	6	6
Total oil load		kg	15	18	20	23	32	32	32	32	31
<b>Fans</b>											
Type							Axial				
Quantity		n°	4	4	4	4	6	6	6	6	8
Air flow		m <sup>3</sup> /s	17,8	17,78	17,78	17,78	27,56	27,56	27,56	27,56	35,56
<b>Evaporator</b>											
Type							Tube				
Quantity			1	1	1	1	1	1	1	1	1
Water content		l	98	98	138	138	133	133	128	128	155
<b>Hydraulic system - Cooled water circuit (chiller)</b>											
Available static pressure ST 2P		kPa	229	235	232	224	201	188	185	170	221
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Hydraulic system - Hot water circuit (total recovery)</b>											
Available static pressure ST 2P		kPa	200	177	154	208	195	184	184	168	191
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Noise levels</b>											
SLN version noise power level	(5)	dB(A)	83	84	84	84	84	84	85	86	86
SLN version noise pressure level	(6)	dB(A)	51	52	52	52	52	52	53	54	54
<b>Basic unit dimensions</b>											
Length		mm	3.891	3.891	3.891	3.891	5.391	5.391	5.391	5.391	6.389
Depth		mm	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280
Height		mm	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402

(1) External air temperature 35°C; evaporator ingoing-outgoing water temperature 12-7°C

(2) External air temperature 7°C BS, 87% UR; condenser ingoing-outgoing water temperature 40-45 °C

(3)Evaporator ingoing-outgoing water temperature 12-7°C; condenser ingoing-outgoing water temperature 40-45 °C

(4) 50%, 75%, 100% for single circuit; 25%, 50%, 62.5%, 75%, 87.5%, 100 for dual circuit.

(5)Lw: sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.

(6)Lp: sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.

(7)Values in compliance with EN 14511-3:2011

## OMICRON V EVO /SLN - TECHNICAL DATA

UNIT SIZE			47.2	51.2	54.2	58.2	61.2	67.2	70.2	73.2	80.2
<b>Cooling (Gross values)</b>											
Nominal cooling capacity	(1)	kW	459	484	514	549	603	628	661	687	734
Total power input for cooling		kW	181	194	222	246	230	247	267	282	300
Evaporator water flow rate		l/h	78.996	83.170	88.383	94.419	103.740	108.070	113.706	118.145	126.285
Evaporator pressure drops		kPa	43	26	36	24	32	33	37	33	38
EER			2,53	2,49	2,32	2,23	2,63	2,55	2,47	2,44	2,45
<b>Cooling (EN 14511 values)</b>											
Nominal cooling capacity	(1),(8)	kW	458	483	512	548	602	627	659	685	732
EER			2,50	2,47	2,29	2,21	2,60	2,52	2,45	2,42	2,42
<b>Heating (Gross values)</b>											
Nominal heating capacity	(2)	kW	504	530	601	643	664	697	743	762	843
Total power input for heating		kW	145	154	169	182	183	191	205	210	227
Condenser water flow rate		l/h	85.954	90.486	102.626	109.649	113.337	118.972	126.818	130.117	143.920
Condenser pressure drops		kPa	53	33	50	33	40	42	47	41	50
COP			3,48	3,44	3,55	3,54	3,63	3,65	3,63	3,64	3,71
<b>Heating (EN 14511 values)</b>											
Nominal heating capacity	(2),(8)	kW	506	532	604	644	666	699	746	765	846
COP			3,44	3,42	3,51	3,51	3,60	3,62	3,60	3,61	3,67
<b>Heating and cooling (Gross values)</b>											
Nominal cooling capacity	(3)	kW	489	525	579	634	649	675	720	761	811
Compressors absorbed power		kW	147	155	171	184	181	189	202	208	224
Nominal heating capacity	(3)	kW	635	679	750	818	829	864	922	969	1035
Evaporator water flow rate		l/h	84.037	90.280	99.535	109.099	111.533	116.058	123.785	130.876	139.527
Evaporator pressure drops		kPa	49	31	46	32	37	38	44	41	46
Condenser water flow rate		l/h	108.409	115.951	127.952	139.661	141.530	147.419	157.306	165.366	176.595
Condenser pressure drops		kPa	79	50	75	51	59	62	70	64	73
EER			3,33	3,40	3,38	3,45	3,59	3,57	3,56	3,66	3,63
COP			4,33	4,40	4,38	4,45	4,59	4,57	4,56	4,66	4,63
<b>Heating and cooling (EN14511 values)</b>											
Nominal cooling capacity	(3),(8)	kW	487	524	577	633	647	673	717	759	809
Compressors absorbed power		kW	147	155	171	184	181	189	202	208	224
Nominal heating capacity	(3),(8)	kW	639	682	754	821	833	868	926	973	1040
EER			3,20	3,31	3,26	3,35	3,47	3,46	3,44	3,54	3,50
COP			4,20	4,31	4,26	4,35	4,47	4,46	4,44	4,54	4,50
<b>Compressors</b>											
Type								Screw			
Quantity/Cooling circuits		n°/n°	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Capacity steps		n°	6	6	6	6	6	6	6	6	6
Total oil load		kg	33	36	40	46	38	40	46	43	46
<b>Fans</b>											
Type								Axial			
Quantity		n°	8	8	8	8	10	10	10	10	10
Air flow		m3/s	35,56	35,56	33,89	33,89	43,33	43,33	43,33	43,33	41,11
<b>Evaporator</b>											
Type								Tube			
Quantity			1	1	1	1	1	1	1	1	1
Water content		l	155	155	221	214	208	208	208	373	373
<b>Hydraulic system - Cooled water circuit (chiller)</b>											
Available static pressure ST 2P		kPa	210	223	205	209	195	196	185	185	225
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Hydraulic system - Hot water circuit (total recovery)</b>											
Available static pressure ST 2P		kPa	162	208	168	174	186	177	157	199	170
Expansion vessel		l	25	25	25	25	25	25	25	25	25
<b>Noise levels</b>											
SLN version noise power level	(5)	dB(A)	86	86	87	87	88	88	88	89	89
SLN version noise pressure level	(6)	dB(A)	54	54	55	54	55	55	55	56	56
<b>Basic unit dimensions</b>											
Length		mm	6.389	6.389	6.389	6.389	7.391	7.391	7.391	7.391	7.391
Depth		mm	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280	2.280
Height		mm	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402	2.402

(1) External air temperature 35°C; evaporator ingoing-outgoing water temperature 12-7°C

(2) External air temperature 7°C BS, 87% UR; condenser ingoing-outgoing water temperature 40-45 °C

(3)Evaporator ingoing-outgoing water temperature 12-7°C; condenser ingoing-outgoing water temperature 40-45 °C

(4) 50%, 75%, 100% for single circuit; 25%, 50%, 62.5%, 75%, 87.5%, 100 for dual circuit.

(5)Lw: sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.

(6)Lp: sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.

(7)Values in compliance with EN 14511-3:2011



## OMICRON V EVO /LT - TECHNICAL DATA

UNIT SIZE			23.1	25.1	28.1	31.1	33.2	35.2	37.2	40.2
<b>Cooling (Gross values)</b>										
Nominal cooling capacity	(1)	kW	237	259	294	316	343	355	389	421
Total power input for cooling		kW	77	88	92	101	112	122	127	138
Evaporator water flow rate		l/h	40.820	44.562	50.607	54.398	58.944	61.122	66.958	72.396
Evaporator pressure drops		kPa	26	31	36	40	37	40	37	41
EER			3,07	2,94	3,20	3,13	3,07	2,93	3,08	3,06
<b>Cooling (EN 14511 values)</b>										
Nominal cooling capacity	(1),(8)	kW	237	258	293	315	342	354	388	420
EER			3,04	2,91	3,16	3,09	3,03	2,89	3,04	3,02
<b>Heating (Gross values)</b>										
Nominal heating capacity	(2)	kW	258	282	320	345	375	395	410	440
Total power input for heating		kW	73	80	92	98	106	113	121	129
Condenser water flow rate		l/h	44.036	48.201	54.625	58.927	64.035	67.463	70.019	75.061
Condenser pressure drops		kPa	31	37	44	49	46	51	42	46
COP			3,53	3,53	3,50	3,54	3,56	3,51	3,39	3,42
<b>Heating (EN 14511 values)</b>										
Nominal heating capacity	(2),(8)	kW	259	283	321	347	377	397	412	441
COP			3,51	3,50	3,47	3,51	3,52	3,48	3,36	3,39
<b>Heating and cooling (Gross values)</b>										
Nominal cooling capacity	(3)	kW	238	267	294	322	345	363	392	428
Compressors absorbed power		kW	70	78	86	92	100	108	115	123
Nominal heating capacity	(3)	kW	308	345	380	414	445	470	507	551
Evaporator water flow rate		l/h	41.005	45.898	50.644	55.339	59.352	62.411	67.420	73.530
Evaporator pressure drops		kPa	27	33	37	41	37	42	37	42
Condenser water flow rate		l/h	52.567	58.805	64.880	70.648	75.995	80.276	86.442	93.955
Condenser pressure drops		kPa	43	52	58	67	61	68	60	68
EER			3,43	3,44	3,44	3,49	3,44	3,38	3,42	3,48
COP			4,43	4,44	4,44	4,49	4,44	4,38	4,42	4,48
<b>Heating and cooling (EN14511 values)</b>										
Nominal cooling capacity	(3),(8)	kW	238	266	294	321	344	362	391	426
Compressors absorbed power		kW	70	78	86	92	100	108	115	123
Nominal heating capacity	(3),(8)	kW	309	346	382	416	447	473	509	553
EER			3,33	3,33	3,32	3,36	3,33	3,25	3,31	3,35
COP			4,33	4,33	4,32	4,36	4,33	4,25	4,31	4,35
<b>Compressors</b>										
Type			Screw							
Quantity/Cooling circuits		n°/n°	1 / 1	1 / 1	1 / 1	1 / 1	2 / 2	2 / 2	2 / 2	2 / 2
Capacity steps		n°	3	3	3	3	6	6	6	6
Total oil load		kg	15	18	20	23	32	32	32	32
<b>Fans</b>										
Type			Axial							
Quantity		n°	4	4	6	6	6	6	8	8
Air flow		m <sup>3</sup> /h	86.000	86.000	134.000	134.000	130.000	130.000	174.000	174.000
<b>Evaporator</b>										
Type			Tube							
Quantity			1	1	1	1	1	1	1	1
Water content		l	98	98	138	138	133	133	128	128
<b>Hydraulic system - Cooled water circuit (chiller)</b>										
Available static pressure ST 2P		kPa	219	226	210	202	193	183	173	159
Expansion vessel		l	25	25	25	25	25	25	25	25
<b>Hydraulic system - Hot water circuit (total recovery)</b>										
Available static pressure ST 2P		kPa	200	177	154	208	195	184	184	168
Expansion vessel		l	25	25	25	25	25	25	25	25
<b>Noise levels</b>										
LN version noise power level	(5)	dB(A)	94	94	94	94	94	95	96	96
LN version noise pressure level	(6)	dB(A)	62	62	62	62	62	63	64	64
<b>Basic unit dimensions</b>										
Length		mm	3891	3891	5391	5391	5391	5391	6389	6389
Depth		mm	2280	2280	2280	2280	2280	2280	2280	2280
Height		mm	2402	2402	2402	2402	2402	2402	2402	2402

(1) External air temperature 35°C; evaporator ingoing-outgoing water temperature 12-7°C

(2) External air temperature 7°C BS, 87% UR; condenser ingoing-outgoing water temperature 40-45 °C

(3)Evaporator ingoing-outgoing water temperature 12-7°C; condenser ingoing-outgoing water temperature 40-45 °C

(4) 50%, 75%, 100% for single circuit; 25%, 50%, 62.5%, 75%, 87.5%, 100 for dual circuit.

(5)Lw: sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.

(6)Lp: sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.

(7)Values in compliance with EN 14511-3:2011

## OMICRON V EVO /LT - TECHNICAL DATA

UNIT SIZE			43.2	47.2	51.2	54.2	58.2	61.2	67.2
<b>Cooling (Gross values)</b>									
Nominal cooling capacity	(1)	kW	444	473	502	560	602	639	672
Total power input for cooling		kW	148	170	182	194	212	207	220
Evaporator water flow rate		l/h	76.394	81.362	86.322	96.294	103.476	109.909	115.492
Evaporator pressure drops		kPa	40	46	28	43	29	35	38
EER			3,00	2,79	2,76	2,89	2,84	3,10	3,06
<b>Cooling (EN 14511 values)</b>									
Nominal cooling capacity	(1),(8)	kW	443	471	501	558	600	637	670
EER			2,96	2,75	2,73	2,85	2,81	3,06	3,02
<b>Heating (Gross values)</b>									
Nominal heating capacity	(2)	kW	472	509	539	637	644	700	732
Total power input for heating		kW	137	151	158	180	191	190	198
Condenser water flow rate		l/h	80.494	86.815	91.903	108.683	109.881	119.530	124.910
Condenser pressure drops		kPa	47	54	34	56	33	44	47
COP			3,44	3,37	3,41	3,55	3,38	3,70	3,71
<b>Heating (EN 14511 values)</b>									
Nominal heating capacity	(2),(8)	kW	473	511	540	640	646	703	734
COP			3,41	3,34	3,39	3,51	3,36	3,66	3,67
<b>Heating and cooling (Gross values)</b>									
Nominal cooling capacity	(3)	kW	449	489	525	579	634	649	675
Compressors absorbed power		kW	131	147	155	171	184	181	189
Nominal heating capacity	(3)	kW	580	635	679	750	818	829	864
Evaporator water flow rate		l/h	77.230	84.037	90.280	99.535	109.099	111.533	116.058
Evaporator pressure drops		kPa	41	49	31	46	32	37	38
Condenser water flow rate		l/h	99.043	108.409	115.951	127.952	139.661	141.530	147.419
Condenser pressure drops		kPa	67	79	50	75	51	59	62
EER			3,42	3,33	3,40	3,38	3,45	3,59	3,57
COP			4,42	4,33	4,40	4,38	4,45	4,59	4,57
<b>Heating and cooling (EN14511 values)</b>									
Nominal cooling capacity	(3),(8)	kW	448	487	524	577	633	647	673
Compressors absorbed power		kW	131	147	155	171	184	181	189
Nominal heating capacity	(3),(8)	kW	583	639	682	754	821	833	868
EER			3,30	3,20	3,31	3,26	3,35	3,47	3,46
COP			4,30	4,20	4,31	4,26	4,35	4,47	4,46
<b>Compressors</b>									
Type						Screw			
Quantity/Cooling circuits		n°/n°	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Capacity steps		n°	6	6	6	6	6	6	6
Total oil load		kg	31	33	36	40	46	38	40
<b>Fans</b>									
Type						Axial			
Quantity		n°	8	8	8	10	10	10	10
Air flow		m <sup>3</sup> /h	164.000	164.000	164.000	204.000	204.000	196.000	196.000
<b>Evaporator</b>									
Type						Tube			
Quantity		l	1	1	1	1	1	1	1
Water content		l	155	155	155	221	214	208	208
<b>Hydraulic system - Cooled water circuit (chiller)</b>									
Available static pressure ST 2P		kPa	214	204	215	188	190	184	184
Expansion vessel		l	25	25	25	25	25	25	25
<b>Hydraulic system - Hot water circuit (total recovery)</b>									
Available static pressure ST 2P		kPa	191	162	208	168	174	186	177
Expansion vessel		l	25	25	25	25	25	25	25
<b>Noise levels</b>									
LN version noise power level	(5)	dB(A)	97	97	98	98	99	99	99
LN version noise pressure level	(6)	dB(A)	65	65	66	65	66	66	66
<b>Basic unit dimensions</b>									
Length		mm	6389	6389	6389	7391	7391	7391	7391
Depth		mm	2280	2280	2280	2280	2280	2280	2280
Height		mm	2402	2402	2402	2402	2402	2402	2402

(1) External air temperature 35°C; evaporator ingoing-outgoing water temperature 12-7°C

(2) External air temperature 7°C BS, 87% UR; condenser ingoing-outgoing water temperature 40-45 °C

(3)Evaporator ingoing-outgoing water temperature 12-7°C; condenser ingoing-outgoing water temperature 40-45 °C

(4) 50%, 75%, 100% for single circuit; 25%, 50%, 62.5%, 75%, 87.5%, 100 for dual circuit.

(5)Lw: sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.

(6)Lp: sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.

(7)Values in compliance with EN 14511-3:2011



## OMICRON V EVO /LN - ELECTRICAL DATA

UNIT SIZE			23.1	25.1	28.1	31.1	33.2	35.2	
Maximum absorbed power	(1),(4)	kW	107	127	138	148	166	177	
			(116.3)	(137.6)	(148.8)	(160.5)	(180.9)	(191.9)	
Maximum absorbed current	(2),(4)	A	179	201	219	235	262	280	
			(198.18)	(223.2)	(241.5)	(262)	(292.1)	(310.3)	
Maximum input current	(3),(4)	A	245	299	299	322	352	361	
			(264.48)	(321.8)	(321.8)	(349.3)	(382.1)	(391.2)	
Fan nominal power		n° x kW	4 x 2.0	4 x 2.0	4 x 2.0	4 x 2.0	6 x 2.0	6 x 2.0	
Fan nominal current		n° x A	4 x 4.3	4 x 4.3	4 x 4.3	4 x 4.3	6 x 4.3	6 x 4.3	
Pump motor nominal power									
Cooled water circuit		kW	4,0	5,5	5,5	5,5	5,5	5,5	
Hot water circuit		kW	5,5	5,5	5,5	7,5	9,2	9,2	
Pump motor nominal current									
Cooled water circuit		A	8,4	11,3	11,3	11,3	11,3	11,3	
Hot water circuit		A	11,3	11,3	11,3	15,8	19,0	19,0	
Main power supply		V/ph/Hz	400/3~/50 ±5%						
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%						

UNIT SIZE			37.2	40.2	43.2	47.2	51.2	54.2	
Maximum absorbed power	(1),(4)	kW	187	200	218	241	253	276	
			(201.5)	(216.7)	(238.5)	(261.4)	(277.4)	(299.8)	
Maximum absorbed current	(2),(4)	A	296	317	344	382	401	438	
			(326.1)	(352)	(383.9)	(421.6)	(450.6)	(487.2)	
Maximum input current	(3),(4)	A	401	412	420	480	500	518	
			(431.1)	(446.3)	(460.2)	(520.2)	(549.2)	(567.5)	
Fan nominal power		n° x kW	6 x 2.0	6 x 2.0	8 x 2.0	8 x 2.0	8 x 2.0	8 x 2.0	
Fan nominal current		n° x A	6 x 4.3	6 x 4.3	8 x 4.3	8 x 4.3	8 x 4.3	8 x 4.3	
Pump motor nominal power									
Cooled water circuit		kW	5,5	7,5	9,2	9,2	9,2	9,2	
Hot water circuit		kW	9,2	9,2	11,0	11,0	15,0	15,0	
Pump motor nominal current									
Cooled water circuit		A	11,3	15,8	19,0	19,0	19,0	19,0	
Hot water circuit		A	19,0	19,0	21,1	21,1	30,4	30,4	
Main power supply		V/ph/Hz	400/3~/50 ±5%						
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%						

UNIT SIZE			58.2	61.2	67.2	70.2	73.2	80.2	
Maximum absorbed power	(1),(4)	kW	295	272	283	302	309	328	
			(319.2)	(296)	(309)	(328.4)	(338.9)	(361.3)	
Maximum absorbed current	(2),(4)	A	470	428	446	478	490	520	
			(519.2)	(477.5)	(499.3)	(531.3)	(549.4)	(587.5)	
Maximum input current	(3),(4)	A	557	508	527	566	566	749	
			(606.5)	(557.8)	(579.6)	(618.6)	(625.3)	(816)	
Fan nominal power		n° x kW	8 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0	
Fan nominal current		n° x A	8 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3	
Pump motor nominal power									
Cooled water circuit		kW	9,2	9,2	11,0	11,0	11,0	15,0	
Hot water circuit		kW	15,0	15,0	15,0	15,0	18,5	18,5	
Pump motor nominal current									
Cooled water circuit		A	19,0	19,0	22,5	22,5	22,5	30,4	
Hot water circuit		A	30,4	30,4	30,4	30,4	37,1	37,1	
Main power supply		V/ph/Hz	400/3~/50 ±5%						
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%						

(1) Electrical power that must be supplied by the mains to power the unit.

(2) This value is never exceeded and must be used to size the electrical supply cables and relevant safety devices (refer to electrical wiring diagram supplied with the unit)

(3) Maximum input current calculated considering the power of the compressor with max. power and the max. current absorbed by all other devices.

(4) The values in brackets refer to the ST version unit (with storage tank and pumps or units with pumps only)

## OMICRON V EVO /SLN - ELECTRICAL DATA

UNIT SIZE			23.1	25.1	28.1	31.1	33.2	35.2
Maximum absorbed power	(1),(4)	kW	105 (114.1)	122 (132.8)	133 (144)	143 (155.7)	159 (173.7)	170 (184.7)
Maximum absorbed current	(2),(4)	A	174 (193.38)	201 (223.2)	219 (241.5)	235 (262)	262 (292.1)	280 (310.3)
Maximum input current	(3),(4)	A	240 (259.68)	299 (321.8)	299 (321.8)	322 (349.3)	352 (382.1)	361 (391.2)
Fan nominal power		n° x kW	4 x 2.0	4 x 2.0	4 x 2.0	4 x 2.0	6 x 2.0	6 x 2.0
Fan nominal current		n° x A	4 x 4.3	4 x 4.3	4 x 4.3	4 x 4.3	6 x 4.3	6 x 4.3
Pump motor nominal power								
Cooled water circuit		kW	4,0	5,5	5,5	5,5	5,5	5,5
Hot water circuit		kW	5,5	5,5	5,5	7,5	9,2	9,2
Pump motor nominal current								
Cooled water circuit		A	8,4	11,3	11,3	11,3	11,3	11,3
Hot water circuit		A	11,3	11,3	11,3	15,8	19,0	19,0
Main power supply		V/ph/Hz	400/3~/50 ±5%					
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%					

UNIT SIZE			37.2	40.2	43.2	47.2	51.2	54.2
Maximum absorbed power	(1),(4)	kW	180 (194.3)	193 (209.5)	209 (228.9)	232 (251.8)	244 (267.8)	266 (290.2)
Maximum absorbed current	(2),(4)	A	296 (326.1)	317 (352)	344 (383.9)	382 (421.6)	401 (450.6)	438 (487.2)
Maximum input current	(3),(4)	A	401 (431.1)	412 (446.3)	420 (460.2)	480 (520.2)	500 (549.2)	518 (567.5)
Fan nominal power		n° x kW	6 x 2.0	6 x 2.0	8 x 2.0	8 x 2.0	8 x 2.0	8 x 2.0
Fan nominal current		n° x A	6 x 4.3	6 x 4.3	8 x 4.3	8 x 4.3	8 x 4.3	8 x 4.3
Pump motor nominal power								
Cooled water circuit		kW	5,5	7,5	9,2	9,2	9,2	9,2
Hot water circuit		kW	9,2	9,2	11,0	11,0	15,0	15,0
Pump motor nominal current								
Cooled water circuit		A	11,3	15,8	19,0	19,0	19,0	19,0
Hot water circuit		A	19,0	19,0	21,1	21,1	30,4	30,4
Main power supply		V/ph/Hz	400/3~/50 ±5%					
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%					

UNIT SIZE			58.2	61.2	67.2	70.2	73.2	80.2
Maximum absorbed power	(1),(4)	kW	285 (309.6)	260 (284)	271 (297)	290 (316.4)	297 (326.9)	316 (349.3)
Maximum absorbed current	(2),(4)	A	470 (519.2)	428 (477.5)	446 (499.3)	478 (531.3)	490 (549.4)	520 (587.5)
Maximum input current	(3),(4)	A	557 (606.5)	508 (557.8)	527 (579.6)	566 (618.6)	566 (625.3)	749 (816)
Fan nominal power		n° x kW	8 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0
Fan nominal current		n° x A	8 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3
Pump motor nominal power								
Cooled water circuit		kW	9,2	9,2	11,0	11,0	11,0	15,0
Hot water circuit		kW	15,0	15,0	15,0	15,0	18,5	18,5
Pump motor nominal current								
Cooled water circuit		A	19,0	19,0	22,5	22,5	22,5	30,4
Hot water circuit		A	30,4	30,4	30,4	30,4	37,1	37,1
Main power supply		V/ph/Hz	400/3~/50 ±5%					
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%					

(1) Electrical power that must be supplied by the mains to power the unit.

(2) This value is never exceeded and must be used to size the electrical supply cables and relevant safety devices (refer to electrical wiring diagram supplied with the unit)

(3) Maximum input current calculated considering the power of the compressor with max. power and the max. current absorbed by all other devices.

(4) The values in brackets refer to the ST version unit (with storage tank and pumps or units with pumps only)

## OMICRON V EVO /LT - ELECTRICAL DATA

UNIT SIZE			23.1	25.1	28.1	31.1	33.2
Maximum absorbed power	(1),(4)	kW	107 (116.3)	127 (137.6)	145 (156.2)	155 (167.9)	166 (180.9)
Maximum absorbed current	(2),(4)	A	179 (198.18)	201 (223.2)	228 (250.1)	244 (270.6)	262 (292.1)
Maximum input current	(3),(4)	A	245 (264.48)	299 (321.8)	308 (330.4)	331 (357.9)	352 (382.1)
Fan nominal power		n° x kW	4 x 2.0	4 x 2.0	6 x 2.0	6 x 2.0	6 x 2.0
Fan nominal current		n° x A	4 x 4.3	4 x 4.3	6 x 4.3	6 x 4.3	6 x 4.3
Pump motor nominal power							
Cooled water circuit		kW	4,0	5,5	5,5	5,5	5,5
Hot water circuit		kW	5,5	5,5	5,5	7,5	9,2
Pump motor nominal current							
Cooled water circuit		A	8,4	11,3	11,3	11,3	11,3
Hot water circuit		A	11,3	11,3	11,3	15,8	19,0
Main power supply		V/ph/Hz	400/3~/50 ±5%				
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%				

UNIT SIZE			35.2	37.2	40.2	43.2	47.2
Maximum absorbed power	(1),(4)	kW	177 (191.9)	194 (208.9)	207 (224.1)	218 (238.5)	241 (261.4)
Maximum absorbed current	(2),(4)	A	280 (310.3)	304 (334.7)	326 (360.6)	344 (383.9)	382 (421.6)
Maximum input current	(3),(4)	A	361 (391.2)	409 (439.7)	420 (454.9)	420 (460.2)	480 (520.2)
Fan nominal power		n° x kW	6 x 2.0	8 x 2.0	8 x 2.0	8 x 2.0	8 x 2.0
Fan nominal current		n° x A	6 x 4.3	8 x 4.3	8 x 4.3	8 x 4.3	8 x 4.3
Pump motor nominal power							
Cooled water circuit		kW	5,5	5,5	7,5	9,2	9,2
Hot water circuit		kW	9,2	9,2	9,2	11,0	11,0
Pump motor nominal current							
Cooled water circuit		A	11,3	11,3	15,8	19,0	19,0
Hot water circuit		A	19,0	19,0	19,0	21,1	21,1
Main power supply		V/ph/Hz	400/3~/50 ±5%				
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%				

UNIT SIZE			51.2	54.2	58.2	61.2	67.2
Maximum absorbed power	(1),(4)	kW	253 (277.4)	283 (307.2)	302 (326.6)	272 (296)	283 (309)
Maximum absorbed current	(2),(4)	A	401 (450.6)	446 (495.8)	478 (527.8)	428 (477.5)	446 (499.3)
Maximum input current	(3),(4)	A	500 (549.2)	527 (576.1)	566 (615.1)	508 (557.8)	527 (579.6)
Fan nominal power		n° x kW	8 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0	10 x 2.0
Fan nominal current		n° x A	8 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3	10 x 4.3
Pump motor nominal power							
Cooled water circuit		kW	9,2	9,2	9,2	9,2	11,0
Hot water circuit		kW	15,0	15,0	15,0	15,0	15,0
Pump motor nominal current							
Cooled water circuit		A	19,0	19,0	19,0	19,0	22,5
Hot water circuit		A	30,4	30,4	30,4	30,4	30,4
Main power supply		V/ph/Hz	400/3~/50 ±5%				
Auxiliary power supply		V/ph/Hz	230/1~/50 ±5%				

(1) Electrical power that must be supplied by the mains to power the unit.

(2) This value is never exceeded and must be used to size the electrical supply cables and relevant safety devices (refer to electrical wiring diagram supplied with the unit)

(3) Maximum input current calculated considering the power of the compressor with max. power and the max. current absorbed by all other devices.

(4) The values in brackets refer to the ST version unit (with storage tank and pumps or units with pumps only)

## OMICRON V EVO BASE AND /LN - COOLING CAPACITIES

Model	To	EXTERNAL AIR TEMPERATURE [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe
23.1	5	248	59	233	64	217	71	200	78	189	84
	6	256	60	240	66	224	72	207	80	196	85
	<b>7</b>	264	61	248	67	<b>231</b>	<b>73</b>	213	81	202	87
	8	272	62	255	68	238	75	220	83	208	88
	9	280	63	263	69	245	76	227	84	215	90
25.1	5	273	68	255	74	237	82	218	92	206	99
	6	281	69	263	76	245	84	225	94	212	100
	<b>7</b>	289	70	271	77	<b>252</b>	<b>85</b>	232	95	219	102
	8	298	71	279	78	260	87	239	97	226	104
	9	307	73	287	80	267	88	246	99	232	106
28.1	5	302	74	283	81	263	90	242	100	229	107
	6	312	75	292	82	272	91	250	102	236	109
	<b>7</b>	321	77	301	84	<b>280</b>	<b>93</b>	258	104	244	111
	8	331	78	310	85	288	94	266	106	251	113
	9	341	79	319	87	297	96	274	108	259	115
31.1	5	326	81	306	89	283	99	260	110	245	118
	6	336	83	315	90	292	100	268	112	253	121
	<b>7</b>	346	84	324	92	<b>301</b>	<b>102</b>	276	114	261	123
	8	357	85	334	94	310	104	285	117	269	125
	9	367	87	344	96	319	106	293	119	277	127
33.2	5	377	89	354	97	328	108	302	121	285	130
	6	360	85	339	92	316	102	291	113	276	121
	7	370	86	348	94	325	103	300	115	284	123
	8	382	88	359	95	<b>335</b>	<b>105</b>	309	117	293	125
	9	393	89	370	97	346	107	319	119	303	127
35.2	5	406	91	382	99	356	109	329	121	312	130
	6	418	92	393	101	367	111	339	123	322	132
	7	382	88	359	95	<b>335</b>	<b>105</b>	309	117	293	125
	8	393	89	370	97	346	107	319	119	303	127
	9	406	91	382	99	356	109	329	121	312	130
37.2	5	437	101	411	111	383	122	353	136	335	145
	6	400	101	376	110	349	122	322	135	304	145
	7	423	105	397	114	<b>370</b>	<b>126</b>	341	140	322	150
	8	436	107	409	116	381	128	351	143	332	153
	9	449	109	422	119	393	131	362	146	343	156
40.2	5	462	111	434	121	404	134	373	149	353	159
	6	433	111	406	121	378	134	347	149	327	160
	7	458	115	430	125	<b>399</b>	<b>138</b>	367	154	346	165
	8	472	117	443	128	411	141	378	158	357	169
	9	486	119	456	131	424	144	390	161	368	172
43.2	5	501	122	470	133	437	147	401	164	379	176
	6	471	113	443	123	412	136	380	151	359	161
	7	499	117	469	127	<b>437</b>	<b>140</b>	403	156	382	167
	8	515	119	484	130	451	143	416	159	394	170
	9	531	121	499	132	465	146	429	162	407	173
10	548	123	515	135	480	148	443	165	420	176	

Pf: cooling capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 To: evaporator outgoing water temperature [°C] the temperature gradient is 5°C

## OMICRON V EVO BASE AND /LN - COOLING CAPACITIES

Model	To	EXTERNAL AIR TEMPERATURE [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe
47.2	5	503	130	471	142	437	156	401	174	379	186
	6	517	132	484	144	449	159	413	177	389	189
	<b>7</b>	533	134	500	147	<b>464</b>	<b>162</b>	426	180	402	193
	8	550	137	516	150	479	165	440	184	415	197
	9	567	139	532	153	494	169	454	188	429	201
51.2	5	584	142	548	156	509	172	468	192	442	205
	6	534	138	500	151	463	167	424	187	399	201
	7	549	140	513	154	476	170	436	190	410	204
	<b>7</b>	566	143	530	157	<b>491</b>	<b>174</b>	450	194	424	208
	8	584	146	546	160	506	177	464	198	438	212
54.2	9	602	149	563	163	522	181	479	202	452	217
	10	620	152	580	167	538	185	494	206	466	221
	5	588	152	551	166	511	184	468	206	441	221
	6	604	154	565	169	524	187	481	209	453	225
	<b>7</b>	623	157	583	172	<b>541</b>	<b>191</b>	496	214	468	229
58.2	8	642	160	601	176	558	195	512	218	483	234
	9	662	163	620	179	575	199	528	222	499	239
	10	682	166	638	183	593	203	544	227	514	243
	5	635	168	593	184	549	205	502	229	473	247
	6	653	171	611	188	565	209	517	234	487	251
61.2	<b>7</b>	670	174	627	191	<b>581</b>	<b>213</b>	532	238	501	256
	8	689	177	645	195	597	217	547	243	516	261
	9	708	180	662	199	614	221	563	248	530	266
	10	727	184	680	202	630	225	578	252	545	271
	5	685	157	643	170	597	188	549	209	518	224
67.2	6	707	159	663	173	616	191	566	213	535	228
	<b>7</b>	728	162	683	176	<b>635</b>	<b>194</b>	584	216	552	232
	8	750	165	704	180	654	198	602	220	569	236
	9	773	168	725	183	674	202	620	224	587	240
	10	795	170	746	186	694	205	639	228	604	244
70.2	5	721	168	675	183	626	202	574	225	541	241
	6	743	171	696	186	645	205	592	229	558	245
	<b>7</b>	766	174	717	190	<b>665</b>	<b>209</b>	610	233	576	250
	8	788	177	738	193	685	213	629	237	593	254
	9	811	180	760	197	705	217	647	242	611	259
73.2	10	835	183	782	200	726	221	667	247	630	264
	5	757	184	708	200	656	221	601	246	566	264
	6	779	187	729	204	676	225	619	251	584	269
	<b>7</b>	803	190	751	208	<b>696</b>	<b>229</b>	638	256	602	274
	8	826	194	773	212	717	234	657	260	620	279
80.2	9	850	197	796	216	738	238	677	266	639	284
	10	875	201	819	220	759	243	697	271	658	290
	5	792	192	740	210	685	232	627	259	590	277
	6	816	196	763	214	706	237	646	264	609	283
	<b>7</b>	840	200	785	218	<b>727</b>	<b>242</b>	666	269	627	288
80.2	8	864	203	808	223	748	246	685	274	646	294
	9	889	207	831	227	770	251	705	280	665	300
	10	913	212	854	232	791	256	725	286	684	305
	5	845	207	789	226	729	250	666	279	626	299
	6	870	211	812	231	751	255	686	285	646	305
80.2	<b>7</b>	895	215	836	235	<b>773</b>	<b>260</b>	707	290	665	311
	8	921	219	860	240	796	265	728	296	685	317
	9	948	223	885	245	819	271	749	302	705	323
	10	975	227	911	250	843	276	771	308	726	330

Pf: cooling capacity [kW]

Pe: electrical power absorbed by the compressors [kW]

To: evaporator outgoing water temperature [°C] the temperature gradient is 5°C

OMICRON V EVO BASE AND /LN - HEATING CAPACITIES HP (FOR 4T / ACS 2T UNIT)

Model	CONDENSER WATER TEMPERATURE [°C]											
	Ta [°C]	RH %	35/40		40/45		45/50		50/55		60/65*	
			Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe
23.1	-5	95	177	52	175	57	*	*	*	*	*	*
	0	90	206	55	204	61	201	68	*	*	*	*
	5	90	236	58	233	64	230	72	229	81	*	*
	7	87	249	59	245	65	242	73	240	83	238	108
	10	87	270	60	266	67	263	75	260	85	257	110
25.1	15	87	308	63	304	70	300	79	296	89	292	115
	-5	95	195	58	193	65	*	*	*	*	*	*
	0	90	229	61	227	68	225	77	*	*	*	*
	5	90	257	64	254	71	253	80	253	92	*	*
	7	87	272	65	269	73	266	82	265	93	267	123
28.1	10	87	294	67	290	74	288	84	286	96	287	126
	15	87	338	70	331	78	327	88	325	100	324	131
	-5	95	218	64	216	72	*	*	*	*	*	*
	0	90	253	68	250	75	249	85	*	*	*	*
	5	90	290	71	286	79	284	89	282	101	*	*
31.1	7	87	306	72	302	80	298	90	297	103	297	136
	10	87	331	74	326	82	323	93	321	106	320	139
	15	87	377	77	372	86	368	97	365	111	362	145
	-5	95	234	69	232	77	*	*	*	*	*	*
	0	90	270	72	268	81	267	91	*	*	*	*
33.2	5	90	309	76	306	84	304	95	303	109	*	*
	7	87	326	77	323	86	320	97	319	111	320	146
	10	87	353	79	348	88	345	100	344	113	345	150
	15	87	405	83	399	92	393	104	390	118	389	156
	-5	95	261	73	257	80	*	*	*	*	*	*
35.2	0	90	304	77	300	85	297	96	*	*	*	*
	5	90	349	81	345	90	343	102	341	116	*	*
	7	87	368	83	364	92	360	104	358	118	353	146
	10	87	399	85	394	95	389	107	387	121	379	149
	15	87	453	89	447	99	442	112	439	127	431	155
37.2	-5	95	269	79	*	*	*	*	*	*	*	*
	0	90	*	*	310	93	307	105	*	*	*	*
	5	90	361	89	356	99	353	112	352	127	*	*
	7	87	381	91	376	101	372	114	370	130	367	171
	10	87	411	93	405	104	401	117	398	133	397	175
40.2	15	87	468	97	462	108	457	122	453	139	449	182
	-5	95	283	84	279	93	*	*	*	*	*	*
	0	90	334	89	329	99	325	111	*	*	*	*
	5	90	387	95	378	105	374	118	371	135	*	*
	7	87	407	96	400	107	395	121	392	137	429	221
43.2	10	87	441	99	434	110	429	124	425	141	455	220
	15	87	504	104	496	115	490	130	484	147	503	219
	-5	95	301	90	297	100	*	*	*	*	*	*
	0	90	354	96	350	106	347	120	*	*	*	*
	5	90	409	101	404	112	398	127	396	144	*	*
43.2	7	87	431	103	426	115	420	129	417	147	418	194
	10	87	465	106	460	118	455	133	452	151	452	199
	15	87	538	111	525	123	519	139	514	158	511	207
	-5	95	341	96	337	107	*	*	*	*	*	*
	0	90	396	102	392	113	386	127	*	*	*	*
43.2	5	90	441	106	440	118	440	133	438	151	*	*
	7	87	463	108	457	120	456	135	454	153	451	200
	10	87	497	110	492	123	489	138	487	157	487	206
	15	87	569	116	557	128	552	144	549	164	548	214

\* Only for /HT version

Pt: heating capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 Ta: ambient temperature [°C]  
 RH: evaporator inflow air relative humidity [%]



### OMICRON V EVO BASE AND /LN - HEATING CAPACITIES HP (FOR 4T / ACS 2T UNIT)

Model	CONDENSER WATER TEMPERATURE [°C]											
	Ta [°C]	RH %	35/40		40/45		45/50		50/55		60/65*	
			Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe
47.2	-5	95	367	108	364	120	*	*	*	*	*	*
	0	90	423	114	420	127	417	143	*	*	*	*
	5	90	473	119	472	133	472	150	473	171	*	*
	7	87	495	121	491	135	491	152	491	173	489	227
	10	87	532	124	524	138	524	155	524	177	528	232
51.2	-5	95	386	116	382	129	*	*	*	*	*	*
	0	90	441	121	439	135	439	153	*	*	*	*
	5	90	492	126	492	141	494	160	498	183	*	*
	7	87	514	128	515	143	510	161	515	185	518	245
	10	87	553	131	551	146	547	165	548	189	557	250
54.2	-5	95	458	131	450	145	*	*	*	*	*	*
	0	90	527	137	521	152	517	172	*	*	*	*
	5	90	597	143	595	159	589	180	585	204	*	*
	7	87	622	145	617	162	610	182	604	206	608	272
	10	87	662	148	658	165	655	186	652	212	649	278
58.2	-5	95	486	140	482	156	*	*	*	*	*	*
	0	90	559	147	553	163	550	185	*	*	*	*
	5	90	632	153	630	171	626	193	624	219	*	*
	7	87	659	155	656	173	653	195	649	222	647	292
	10	87	702	159	696	176	694	199	693	227	694	298
61.2	-5	95	493	138	485	153	*	*	*	*	*	*
	0	90	572	145	564	161	560	182	*	*	*	*
	5	90	656	152	648	169	642	191	635	218	*	*
	7	87	690	155	681	173	674	195	666	222	667	294
	10	87	742	159	736	178	729	201	724	229	716	302
67.2	-5	95	514	144	507	159	*	*	*	*	*	*
	0	90	594	151	589	168	585	190	*	*	*	*
	5	90	683	159	676	177	671	199	667	228	*	*
	7	87	720	162	712	180	705	203	698	232	701	307
	10	87	776	166	768	185	762	209	758	239	754	315
70.2	-5	95	550	155	543	172	*	*	*	*	*	*
	0	90	638	163	630	182	625	205	*	*	*	*
	5	90	733	172	724	191	717	216	712	246	*	*
	7	87	776	175	762	195	754	220	750	251	744	332
	10	87	836	180	825	200	816	226	810	258	805	341
73.2	-5	95	559	158	554	176	*	*	*	*	*	*
	0	90	649	166	642	185	637	209	*	*	*	*
	5	90	745	175	737	195	731	220	727	251	*	*
	7	87	789	178	778	199	769	224	764	256	761	339
	10	87	849	183	840	204	831	231	826	263	821	349
80.2	-5	95	624	174	615	193	*	*	*	*	*	*
	0	90	724	183	714	203	706	229	*	*	*	*
	5	90	830	192	820	213	812	241	805	275	*	*
	7	87	880	196	865	218	853	245	846	280	839	370
	10	87	950	201	935	224	924	253	915	288	901	380
15	87	1079	211	1063	235	1053	265	1042	302	1026	398	

\* Only for /HT version

Pt: heating capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 Ta: ambient temperature [°C]  
 RH: evaporator inflow air relative humidity [%]



## OMICRON V EVO /SLN - COOLING CAPACITIES

Model	To	EXTERNAL AIR TEMPERATURE [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe
23.1	5	244	63	229	69	214	75	198	83	188	89
	6	251	64	237	70	221	77	205	85	194	90
	<b>7</b>	259	66	244	71	<b>228</b>	<b>78</b>	211	86	200	92
	8	267	67	251	72	235	79	218	88	207	93
	9	275	68	259	74	242	81	224	89	213	95
25.1	5	268	72	252	79	235	87	216	97	205	103
	6	276	73	259	80	242	88	223	98	211	105
	<b>7</b>	284	75	267	82	<b>249</b>	<b>90</b>	230	100	218	107
	8	293	76	275	83	256	92	237	102	224	109
	9	301	77	283	85	264	93	244	104	231	111
28.1	5	288	83	270	91	250	100	230	110	217	117
	6	297	84	278	92	258	102	237	112	224	118
	<b>7</b>	306	85	286	94	<b>266</b>	<b>103</b>	245	113	231	120
	8	315	87	295	95	274	105	252	115	238	121
	9	324	88	304	97	282	106	260	116	245	123
31.1	5	309	90	289	99	268	110	245	123	231	131
	6	319	92	298	101	276	112	253	125	238	134
	<b>7</b>	328	94	307	103	<b>284</b>	<b>114</b>	260	127	245	137
	8	337	95	315	105	292	116	268	130	252	139
	9	347	97	324	107	301	119	275	133	260	142
33.2	5	356	99	333	109	309	121	283	135	267	145
	6	354	91	333	99	311	108	287	121	272	129
	7	364	92	342	100	320	110	295	122	280	131
	8	375	94	353	102	<b>330</b>	<b>112</b>	305	124	290	133
	9	387	95	365	104	341	114	315	127	299	136
35.2	5	399	97	376	105	351	116	325	129	309	138
	6	411	98	387	107	362	118	335	131	318	140
	7	373	99	351	107	327	118	302	131	286	140
	8	382	100	360	109	335	120	310	133	294	142
	9	394	102	371	111	<b>346</b>	<b>122</b>	320	136	303	145
37.2	5	407	104	383	113	357	124	330	138	313	148
	6	420	106	395	115	368	127	340	141	323	150
	7	433	108	407	117	380	129	351	143	333	153
	8	443	110	417	119	393	131	364	145	346	156
	9	455	112	429	121	407	133	378	147	360	159
40.2	5	428	117	402	128	374	141	344	157	325	168
	6	439	119	412	130	383	143	353	159	334	171
	<b>7</b>	453	121	425	132	<b>395</b>	<b>146</b>	364	163	344	174
	8	467	124	438	135	407	149	375	166	355	177
	9	481	126	451	138	420	152	387	169	366	181
43.2	5	495	129	465	141	433	155	399	173	377	185
	6	463	122	435	132	405	145	374	161	355	172
	7	475	123	447	134	416	147	384	163	365	174
	8	490	125	461	136	<b>430</b>	<b>150</b>	397	166	377	178
	9	506	128	476	139	444	153	410	169	389	181
10	522	130	491	142	458	156	423	173	402	184	
10	538	132	506	144	472	159	437	176	415	188	

Pf: cooling capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 To: evaporator outgoing water temperature [°C] the temperature gradient is 5°C

## OMICRON V EVO /SLN - COOLING CAPACITIES

Model	To	EXTERNAL AIR TEMPERATURE [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe
47.2	5	496	138	465	151	433	166	398	184	376	197
	6	510	140	478	153	445	169	409	187	386	200
	<b>7</b>	526	143	494	156	<b>459</b>	<b>172</b>	422	191	399	204
	8	543	146	509	159	474	175	436	195	412	208
	9	560	148	525	162	489	179	450	199	426	212
51.2	5	525	147	492	160	456	177	419	198	395	212
	6	539	149	505	163	469	180	430	201	406	215
	<b>7</b>	556	152	521	166	<b>484</b>	<b>184</b>	444	205	420	220
	8	574	155	538	170	499	188	459	209	433	224
	9	591	158	554	173	515	192	473	214	447	229
54.2	5	609	161	571	177	531	196	488	218	461	233
	6	576	173	538	190	498	209	456	229	430	242
	<b>7</b>	594	176	555	193	<b>514</b>	<b>212</b>	471	233	444	246
	8	612	179	572	196	530	215	486	236	458	250
	9	630	182	589	200	546	219	501	240	473	253
58.2	5	649	186	607	203	563	223	516	244	487	257
	6	603	186	563	205	519	228	474	255	445	273
	7	620	190	579	209	534	232	488	260	458	279
	8	636	194	594	213	<b>549</b>	<b>237</b>	501	265	471	284
	9	653	197	610	218	564	242	515	271	484	290
61.2	5	671	201	626	222	579	247	529	276	498	296
	6	688	206	642	227	594	252	543	282	511	302
	7	654	175	612	190	568	210	521	234	492	250
	8	674	178	631	194	585	214	537	238	507	255
	9	694	181	650	198	<b>603</b>	<b>218</b>	554	242	523	259
67.2	5	714	184	669	201	621	222	570	247	538	264
	6	735	188	688	205	639	227	587	252	554	269
	7	756	191	708	209	657	231	604	257	571	274
	8	785	187	738	205	684	226	627	247	591	279
	9	814	191	769	209	711	230	654	251	618	283
70.2	5	726	194	678	213	<b>628</b>	<b>235</b>	575	262	542	280
	6	747	198	698	217	646	240	592	267	558	285
	7	768	202	718	221	665	245	609	272	574	291
	8	789	206	738	226	684	250	627	278	591	297
	9	810	210	758	230	703	255	646	283	609	303
73.2	5	723	203	675	222	624	245	570	273	536	292
	6	744	207	694	226	642	250	587	278	553	298
	<b>7</b>	765	211	714	231	<b>661</b>	<b>255</b>	605	284	569	303
	8	787	215	735	236	680	260	622	290	586	310
	9	809	220	756	241	699	266	640	296	603	316
80.2	5	831	224	777	246	719	272	658	302	621	322
	6	753	214	703	234	649	259	592	288	557	309
	7	775	218	723	239	668	264	610	294	573	315
	8	797	223	743	244	<b>687</b>	<b>270</b>	627	301	590	321
	9	819	228	764	249	706	276	645	307	607	328

Pf: cooling capacity [kW]

Pe: electrical power absorbed by the compressors [kW]

To: evaporator outgoing water temperature [°C] the temperature gradient is 5°C

OMICRON V EVO /SLN - HEATING CAPACITIES HP (FOR 4T / ACS 2T UNIT)

Model	CONDENSER WATER TEMPERATURE [°C]											
	Ta [°C]	RH %	35/40		40/45		45/50		50/55		60/65*	
			Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe
23.1	-5	95	182	52	181	58	179	65	-	-	-	-
	0	95	215	56	213	62	211	70	-	-	-	-
	5	90	245	59	243	65	240	73	238	83	-	-
	7	87	255	59	253	66	251	74	249	84	247	109
	10	87	270	61	266	67	265	76	264	86	262	112
25.1	15	87	311	64	305	71	301	79	298	90	296	116
	-5	95	199	59	198	65	197	74	-	-	-	-
	0	95	233	62	231	69	230	78	-	-	-	-
	5	90	264	64	262	72	260	81	259	92	-	-
	7	87	277	65	276	73	274	82	271	94	270	124
28.1	10	87	294	67	292	74	291	84	290	96	289	126
	15	87	333	70	333	78	327	88	327	100	327	131
	-5	95	214	65	213	72	212	81	-	-	-	-
	0	95	248	68	247	75	245	84	-	-	-	-
	5	90	281	70	279	78	277	87	274	98	-	-
31.1	7	87	297	71	294	79	291	88	288	99	281	123
	10	87	321	72	316	80	313	90	310	101	302	126
	15	87	367	75	362	83	356	93	351	104	341	129
	-5	95	229	68	227	76	228	86	-	-	-	-
	0	95	266	72	264	80	264	90	-	-	-	-
33.2	5	90	303	75	299	83	298	94	299	108	-	-
	7	87	319	76	316	85	315	96	314	110	318	146
	10	87	347	79	342	87	339	99	338	113	341	149
	15	87	398	82	392	92	388	103	385	118	385	155
	-5	95	271	73	269	81	268	92	-	-	-	-
35.2	0	95	318	78	315	87	313	98	-	-	-	-
	5	90	360	82	357	91	355	103	354	118	-	-
	7	87	379	84	375	93	372	105	369	119	372	157
	10	87	396	85	395	95	394	107	394	122	400	161
	15	87	453	89	443	99	443	111	444	127	447	167
37.2	-5	95	280	81	278	89	276	101	-	-	-	-
	0	95	326	86	323	95	321	107	-	-	-	-
	5	90	369	90	366	100	364	113	362	129	-	-
	7	87	390	92	386	102	381	115	380	131	378	173
	10	87	410	93	409	104	409	118	410	135	408	177
40.2	15	87	470	98	463	109	459	122	458	140	458	183
	-5	95	299	88	301	98	296	109	-	-	-	-
	0	95	347	92	343	102	340	114	-	-	-	-
	5	90	396	96	391	107	387	119	382	133	-	-
	7	87	417	97	412	108	407	121	400	135	388	168
43.2	10	87	450	99	445	110	439	123	433	137	418	171
	15	87	506	101	504	113	498	126	492	141	473	175
	-5	95	315	91	312	102	310	115	-	-	-	-
	0	95	365	96	361	107	358	121	-	-	-	-
	5	90	417	101	409	113	410	127	407	145	-	-
43.2	7	87	441	103	436	115	429	129	427	148	426	195
	10	87	476	106	470	118	466	133	463	152	462	200
	15	87	546	111	533	123	531	139	527	158	523	208
	-5	95	339	96	335	107	334	120	-	-	-	-
	0	95	396	102	391	113	388	127	-	-	-	-
43.2	5	90	452	107	446	119	442	134	439	152	-	-
	7	87	478	109	471	121	465	136	461	154	459	202
	10	87	517	112	509	124	504	140	499	159	495	207
	15	87	593	118	583	131	575	147	569	166	561	216

\* Only for /HT version

Pt: heating capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 Ta: ambient temperature [°C]  
 RH: evaporator inflow air relative humidity [%]

### OMICRON V EVO /SLN - HEATING CAPACITIES HP (FOR 4T / ACS 2T UNIT)

Model	CONDENSER WATER TEMPERATURE [°C]											
	Ta [°C]	RH %	35/40		40/45		45/50		50/55		60/65*	
			Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe
47.2	-5	95	364	107	361	119	360	135	-	-	-	-
	0	95	426	114	422	127	420	143	-	-	-	-
	5	90	482	119	477	132	474	149	473	170	-	-
	<b>7</b>	<b>87</b>	509	122	504	135	<b>500</b>	<b>152</b>	498	173	500	227
	10	87	551	125	545	139	540	156	537	178	539	233
15	87	634	131	623	146	617	164	610	186	608	242	
51.2	-5	95	384	115	382	128	383	145	-	-	-	-
	0	95	446	122	444	135	443	153	-	-	-	-
	5	90	507	127	502	141	500	160	502	183	-	-
	<b>7</b>	<b>87</b>	534	129	530	144	<b>528</b>	<b>163</b>	528	186	535	246
	10	87	580	133	574	148	569	167	568	190	574	252
15	87	664	139	655	155	650	175	644	199	646	261	
54.2	-5	95	449	132	447	148	446	165	-	-	-	-
	0	95	525	138	523	154	520	172	-	-	-	-
	5	90	572	142	572	158	572	177	570	198	-	-
	<b>7</b>	<b>87</b>	601	143	601	160	<b>599</b>	<b>179</b>	595	200	578	249
	10	87	630	145	629	162	627	181	629	203	616	253
15	87	629	145	634	162	634	182	633	203	624	253	
58.2	-5	95	484	140	480	155	478	175	-	-	-	-
	0	95	561	147	559	164	559	186	-	-	-	-
	5	90	623	153	613	169	613	191	617	219	-	-
	<b>7</b>	<b>87</b>	643	154	643	172	<b>645</b>	<b>195</b>	648	222	656	294
	10	87	697	158	695	177	692	199	687	227	698	300
15	87	727	161	724	179	724	202	726	231	736	305	
61.2	-5	95	481	137	478	152	477	172	-	-	483	264
	0	95	561	144	557	160	553	181	-	-	-	-
	5	90	633	150	629	168	626	190	625	217	-	-
	<b>7</b>	<b>87</b>	669	154	664	171	<b>659</b>	<b>193</b>	655	220	-	-
	10	87	713	157	703	175	703	198	703	226	706	301
15	87	793	163	800	183	787	207	785	236	791	313	
67.2	-5	95	507	143	504	159	503	180	-	-	-	-
	0	95	588	151	585	168	581	190	-	-	-	-
	5	90	664	157	660	175	658	198	659	227	-	-
	<b>7</b>	<b>87</b>	701	161	697	179	<b>693</b>	<b>202</b>	689	231	692	307
	10	87	751	165	741	183	742	208	742	237	747	315
15	87	833	171	841	192	831	217	828	248	836	329	
70.2	-5	95	534	155	529	172	526	194	-	-	-	-
	0	95	622	163	615	181	613	204	-	-	-	-
	5	90	707	170	702	189	697	214	695	244	-	-
	<b>7</b>	<b>87</b>	741	173	743	193	<b>737</b>	<b>218</b>	732	248	727	329
	10	87	814	179	792	197	788	223	786	255	787	337
15	87	929	187	922	209	894	234	895	267	888	352	
73.2	-5	95	549	158	544	176	542	199	-	-	-	-
	0	95	639	166	633	185	630	210	-	-	-	-
	5	90	727	174	721	194	715	219	715	251	-	-
	<b>7</b>	<b>87</b>	761	177	762	198	<b>757</b>	<b>224</b>	753	256	753	340
	10	87	834	183	824	204	815	230	811	263	814	350
15	87	950	192	942	214	928	242	918	276	917	365	
80.2	-5	95	614	175	620	196	622	219	-	-	-	-
	0	95	700	181	713	206	718	232	-	-	-	-
	5	90	791	186	802	212	803	240	814	272	-	-
	<b>7</b>	<b>87</b>	831	188	843	215	<b>852</b>	<b>245</b>	857	276	853	344
	10	87	890	191	903	218	911	249	917	282	918	354
15	87	907	191	932	220	955	252	973	287	1014	367	

\* Only for /HT version

Pt: heating capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 Ta: ambient temperature [°C]  
 RH: evaporator inflow air relative humidity [%]

## OMICRON V EVO /LT - COOLING CAPACITIES

Model	To	EXTERNAL AIR TEMPERATURE [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe
23.1	5	253	57	239	62	223	68	206	75	196	80
	6	261	58	246	63	230	69	213	76	202	81
	<b>7</b>	269	59	254	64	<b>237</b>	<b>70</b>	220	78	209	83
	8	278	60	262	65	245	71	227	79	216	84
	9	286	61	270	66	252	73	234	80	222	86
25.1	5	295	62	278	67	260	74	241	82	229	87
	6	278	65	262	71	244	78	225	87	213	94
	7	287	66	270	72	251	80	232	89	220	95
	8	295	67	278	73	<b>259</b>	<b>81</b>	239	90	227	97
	9	304	69	286	75	267	82	247	92	234	98
28.1	5	313	70	295	76	275	84	254	93	241	100
	6	322	71	303	77	283	85	262	95	248	102
	<b>7</b>	333	69	314	74	<b>294</b>	<b>82</b>	273	90	260	97
	8	343	70	324	75	304	83	282	92	268	98
	9	354	71	334	77	313	84	291	93	277	100
31.1	5	364	72	344	78	322	86	300	95	285	102
	6	337	74	318	80	297	88	275	97	261	104
	7	348	75	328	81	307	89	284	99	270	106
	8	359	76	338	82	<b>316</b>	<b>91</b>	293	101	278	108
	9	370	77	349	84	326	92	302	102	287	109
33.2	5	381	78	359	85	336	94	311	104	296	111
	6	392	79	370	86	346	95	321	106	305	113
	7	368	82	346	89	323	98	298	109	283	117
	8	378	83	356	90	332	99	307	110	291	118
	9	390	85	367	92	<b>343</b>	<b>101</b>	317	112	301	120
35.2	5	402	86	379	93	354	103	327	114	311	122
	6	415	87	391	95	365	104	338	116	321	124
	7	428	89	403	96	377	106	348	118	331	127
	8	382	90	359	98	335	108	309	120	293	128
	9	392	91	369	99	344	109	317	121	301	130
37.2	5	405	93	381	101	<b>355</b>	<b>111</b>	328	123	311	132
	6	418	94	393	103	367	113	339	126	321	135
	7	432	96	406	104	379	115	350	128	332	137
	8	445	98	419	106	391	117	361	130	343	140
	9	418	92	393	99	367	109	339	121	322	130
40.2	5	429	93	404	101	377	111	349	123	331	132
	6	443	94	417	102	<b>389</b>	<b>113</b>	361	125	342	134
	7	457	96	430	104	402	114	372	127	354	136
	8	472	97	444	106	415	116	384	129	365	138
	9	487	99	458	108	428	118	396	132	377	141
40.2	5	452	100	425	109	396	120	366	133	347	143
	6	465	102	437	110	407	121	376	135	356	145
	7	480	103	452	112	<b>421</b>	<b>124</b>	389	137	368	147
	8	496	105	466	114	435	126	402	140	381	150
	9	512	107	481	116	449	128	415	142	393	152
	10	528	108	497	118	463	130	428	145	406	155

Pf: cooling capacity [kW]

Pe: electrical power absorbed by the compressors [kW]

To: evaporator outgoing water temperature [°C] the temperature gradient is 5°C

## OMICRON V EVO /LT - COOLING CAPACITIES

Model	To	EXTERNAL AIR TEMPERATURE [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe	Pf	Pe
43.2	5	477	109	448	118	418	130	386	144	366	154
	6	490	111	461	120	430	132	397	146	376	156
	<b>7</b>	506	112	476	122	<b>444</b>	<b>134</b>	410	149	389	159
	8	523	114	492	124	459	136	424	151	402	162
	9	540	116	508	126	474	139	438	154	416	165
47.2	5	557	118	524	128	489	141	452	157	429	168
	6	510	125	479	136	445	150	409	167	387	179
	7	525	127	492	139	458	153	421	170	398	182
	8	542	129	509	141	<b>473</b>	<b>156</b>	436	173	412	185
	9	559	132	525	144	489	158	450	176	426	189
51.2	5	577	134	542	146	504	161	465	180	440	192
	6	595	136	559	149	520	165	479	183	454	196
	7	612	138	576	151	<b>537</b>	<b>168</b>	494	186	469	200
	8	630	140	593	154	554	171	509	190	484	204
	9	648	143	610	157	571	175	524	194	499	208
54.2	5	666	146	627	160	588	178	539	200	514	215
	6	684	148	644	163	605	181	556	203	531	218
	7	702	150	661	166	622	184	573	206	548	221
	8	720	153	678	169	639	187	590	209	565	224
	9	738	156	695	172	656	190	607	212	582	227
58.2	5	756	159	712	175	673	193	624	215	601	230
	6	774	161	729	178	690	196	641	218	618	233
	7	792	164	746	181	707	199	658	221	635	236
	8	810	167	763	184	724	202	675	224	652	239
	9	828	170	780	187	741	205	692	227	669	242
61.2	5	846	173	797	190	758	208	709	230	686	245
	6	864	176	814	193	775	211	726	233	703	248
	7	882	179	831	196	792	214	743	236	720	251
	8	900	182	848	199	809	217	760	239	737	254
	9	918	185	865	202	826	220	777	242	754	257
67.2	5	936	188	882	205	843	223	794	245	771	260
	6	954	191	899	208	860	226	811	248	788	263
	7	972	194	916	211	877	229	828	251	805	266
	8	990	197	933	214	894	232	845	254	822	269
	9	1008	200	950	217	911	235	862	257	839	272

Pf: cooling capacity [kW]

Pe: electrical power absorbed by the compressors [kW]

To: evaporator outgoing water temperature [°C] the temperature gradient is 5°C



### OMICRON V EVO /LT - HEATING CAPACITIES HP (FOR 4T / ACS 2T UNIT)

Model	CONDENSER WATER TEMPERATURE [°C]											
	Ta [°C]	RH %	30/35		35/40		40/45		50/55		60/65*	
			Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe
23.1	-8	95	173	47	171	51	168	56	*	*	*	*
	-5	95	189	49	185	52	184	58	*	*	*	*
	0	90	221	51	218	56	214	62	209	78	*	*
	5	90	254	54	250	59	246	65	240	82	235	107
	7	87	265	55	263	60	258	66	251	84	247	108
	10	87	280	56	278	61	276	68	271	86	265	111
25.1	15	87	317	58	313	64	310	71	306	90	300	116
	-8	95	190	52	187	57	185	63	*	*	*	*
	-5	95	209	54	206	59	203	65	*	*	*	*
	0	90	242	57	238	62	235	69	231	88	*	*
	5	90	276	59	272	65	270	72	265	92	264	122
	7	87	291	60	286	66	282	73	276	94	276	123
28.1	10	87	304	61	303	67	301	75	300	96	298	126
	15	87	350	64	343	70	339	78	336	100	335	131
	-8	95	219	59	*	*	204	70	*	*	*	*
	-5	95	240	60	229	65	231	72	*	*	*	*
	0	90	273	63	267	68	263	76	258	97	*	*
	5	90	316	66	310	72	305	80	297	102	293	134
31.1	7	87	334	67	326	73	320	81	312	104	309	136
	10	87	363	69	356	75	350	84	338	106	332	139
	15	87	414	72	404	78	399	87	387	111	376	145
	-8	95	226	62	*	*	218	75	*	*	*	*
	-5	95	251	64	245	69	242	77	*	*	*	*
	0	90	294	67	288	73	282	81	277	104	*	*
33.2	5	90	339	71	333	77	328	85	319	109	317	144
	7	87	358	72	352	78	345	87	336	111	333	146
	10	87	389	74	382	81	374	89	364	114	357	150
	15	87	443	77	435	84	427	94	416	120	406	156
	-8	95	254	68	250	73	247	81	*	*	*	*
	-5	95	277	70	275	75	272	83	*	*	*	*
35.2	0	90	322	74	318	80	313	88	309	113	*	*
	5	90	369	77	363	84	359	94	353	120	347	147
	7	87	387	79	382	86	375	95	370	122	365	150
	10	87	409	80	406	87	403	97	400	125	392	153
	15	87	461	83	457	91	455	102	451	130	445	159
	-8	95	265	72	261	78	256	86	*	*	*	*
37.2	-5	95	292	75	286	81	282	89	*	*	*	*
	0	90	338	79	333	85	327	95	321	121	*	*
	5	90	386	83	381	90	375	100	368	128	365	169
	7	87	406	84	400	92	395	102	385	131	383	172
	10	87	436	86	433	94	427	105	419	134	412	176
	15	87	488	89	484	98	480	109	474	140	468	183
40.2	-8	95	280	76	277	83	275	91	*	*	*	*
	-5	95	306	79	302	85	298	94	*	*	*	*
	0	90	360	83	355	91	347	100	344	129	*	*
	5	90	401	87	395	95	391	105	385	135	424	219
	7	87	424	88	416	96	410	107	401	137	438	218
	10	87	460	91	452	99	445	110	436	141	463	217
40.2	15	87	527	95	517	104	509	115	496	147	513	216
	-8	95	302	82	299	89	297	99	*	*	*	*
	-5	95	332	85	327	92	323	102	*	*	*	*
	0	90	387	89	381	97	376	108	371	139	*	*
	5	90	426	93	422	101	421	113	419	146	420	192
	7	87	451	94	443	103	440	115	434	147	433	194
40.2	10	87	487	97	479	106	473	117	468	151	468	199
	15	87	560	101	547	110	540	123	529	157	527	206

\* Only for /HT version

Pt: heating capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 Ta: ambient temperature [°C]  
 RH: evaporator inflow air relative humidity [%]



### OMICRON V EVO /LT - HEATING CAPACITIES HP (FOR 4T / ACS 2T UNIT)

Model	CONDENSER WATER TEMPERATURE [°C]											
	Ta [°C]	RH %	25/30		30/35		40/45		50/55		60/65*	
			Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe	Pt	Pe
43.2	-8	95	315	87	310	95	307	105	*	*	*	*
	-5	95	347	91	341	98	337	108	*	*	*	*
	0	90	403	95	397	104	391	115	385	147	*	*
	5	90	462	100	454	109	448	121	440	154	438	202
	7	87	488	102	480	111	472	123	461	157	459	205
	10	87	528	105	519	114	511	127	500	161	495	210
47.2	15	87	604	109	593	120	584	133	570	169	561	219
	-8	95	340	97	334	105	332	117	*	*	*	*
	-5	95	374	101	368	109	365	121	*	*	*	*
	0	90	435	106	429	116	425	128	421	165	*	*
	5	90	495	111	488	121	482	134	477	172	478	226
	7	87	524	113	516	124	509	137	500	175	500	230
51.2	10	87	567	116	557	127	550	141	541	180	540	235
	15	87	649	122	638	133	628	148	615	188	610	245
	-8	95	360	103	354	112	352	124	*	*	*	*
	-5	95	395	106	390	115	387	128	*	*	*	*
	0	90	462	112	456	122	453	136	451	176	*	*
	5	90	522	116	515	127	510	141	506	183	513	243
54.2	7	87	552	118	544	129	539	144	531	186	535	246
	10	87	599	122	588	133	581	148	574	191	577	252
	15	87	685	127	674	139	664	155	651	199	650	262
	-8	95	433	117	416	125	419	140	*	*	*	*
	-5	95	468	120	464	130	458	144	*	*	*	*
	0	90	546	126	536	137	527	152	516	195	*	*
58.2	5	90	630	132	616	143	607	159	594	204	588	269
	7	87	664	134	650	146	637	162	623	208	619	274
	10	87	720	138	707	150	696	167	672	213	667	281
	15	87	815	143	804	157	775	174	769	224	754	292
	c	95	426	124	419	134	414	148	*	*	*	*
	-5	95	471	128	463	139	456	154	*	*	*	*
61.2	0	90	548	135	539	146	532	162	530	209	*	*
	5	90	624	140	619	153	612	170	600	218	597	286
	7	87	664	143	653	156	644	173	626	221	627	291
	10	87	719	147	708	160	697	178	683	227	674	297
	15	87	813	152	803	167	794	185	777	237	765	309
	-8	95	472	123	465	133	460	148	*	*	*	*
67.2	-5	95	517	127	509	138	501	152	*	*	*	*
	0	90	601	133	592	145	584	161	572	207	*	*
	5	90	688	140	678	152	669	169	655	217	647	287
	7	87	720	142	710	155	700	172	684	221	698	295
	10	87	758	144	750	158	744	176	733	227	726	299
	15	87	865	151	845	165	837	184	828	238	820	313
67.2	-8	95	495	129	488	140	482	155	*	*	*	*
	-5	95	539	133	533	144	526	160	*	*	*	*
	0	90	628	140	619	152	611	168	600	217	*	*
	5	90	717	146	708	159	699	177	687	228	682	301
	7	87	753	148	745	162	732	180	717	231	715	306
	10	87	790	151	784	165	778	184	769	237	766	314
15	87	904	158	881	172	874	192	868	249	863	328	

\* Only for /HT version

Pt: heating capacity [kW]  
 Pe: electrical power absorbed by the compressors [kW]  
 Ta: ambient temperature [°C]  
 RH: evaporator inflow air relative humidity [%]

### OMICRON V EVO - TOTAL RECOVERY CAPACITIES\*\*

Model	To	CONDENSER WATER TEMPERATURE [°C]														
	[°C]	30/35			35/40			40/45			50/55			60/65*		
		Pf	Pe	Pr	Pf	Pe	Pr	Pf	Pe	Pr	Pf	Pe	Pr	Pf	Pe	Pr
23.1	6	259	58	317	245	62	307	230	69	298	196	86	282	155	111	266
	7	269	58	327	254	63	317	238	70	308	204	87	291	162	112	274
	8	279	59	338	264	64	328	248	70	318	212	88	300	169	113	282
	9	289	60	348	274	65	338	257	71	328	219	89	309	176	115	291
25.1	6	299	60	359	284	65	349	267	72	339	228	90	318	183	116	299
	7	294	64	358	277	70	346	258	77	335	217	97	314	169	127	296
	8	304	65	369	286	70	357	267	78	345	225	98	323	176	128	304
	9	314	66	380	296	71	367	277	78	355	234	99	332	183	130	312
28.1	6	325	66	391	306	72	378	287	79	366	242	100	342	190	131	321
	7	336	67	403	316	73	389	296	80	376	250	101	351	197	132	330
	8	321	70	391	304	76	380	284	85	369	241	107	349	191	141	332
	7	333	71	404	314	78	391	295	86	380	251	108	359	199	142	342
31.1	8	344	72	416	325	79	404	305	87	392	261	110	370	207	144	352
	9	356	73	429	337	80	416	316	88	404	271	111	382	216	146	362
	10	368	74	442	349	81	429	328	89	417	281	113	393	224	148	372
	6	354	76	431	333	83	416	311	91	402	261	115	376	204	150	354
33.2	7	366	77	443	345	84	428	322	92	414	271	116	387	212	152	364
	8	379	78	456	356	85	441	333	93	426	281	118	398	220	154	374
	9	391	79	470	368	86	454	344	94	438	291	119	410	228	156	384
	10	404	80	483	380	87	467	356	95	451	301	120	421	237	157	394
35.2	6	376	84	460	354	91	445	334	99	433	279	125	404	223	153	376
	7	389	85	474	367	92	459	345	100	445	289	127	416	232	155	387
	8	402	86	488	379	93	473	357	101	459	300	128	428	241	157	398
	9	416	87	503	392	94	487	370	103	473	311	130	441	251	159	410
37.2	10	430	88	518	405	96	501	383	104	487	322	131	454	260	161	421
	6	395	90	486	372	98	470	350	106	456	293	134	426	227	175	402
	7	409	91	501	386	99	485	363	108	470	304	135	440	236	177	413
	8	424	92	516	400	100	500	376	109	485	316	137	453	246	179	425
40.2	9	439	94	532	414	101	515	390	110	500	328	139	467	256	181	437
	10	454	95	549	428	103	531	404	112	515	340	140	481	266	183	450
	6	430	95	525	405	103	508	378	113	491	318	143	461	240	221	461
	7	443	97	540	420	104	524	392	115	507	328	145	473	250	222	472
43.2	8	459	98	557	435	105	540	406	116	522	340	147	487	260	223	483
	9	475	99	574	449	107	556	419	118	537	353	149	502	270	224	494
	10	491	101	591	465	108	573	434	120	553	365	151	516	281	225	506
	6	470	102	572	444	110	554	414	121	535	345	153	498	266	201	467
43.2	7	485	104	589	460	111	572	428	123	551	358	155	513	277	203	480
	8	502	105	607	475	113	588	443	125	568	372	157	529	289	206	494
	9	520	106	626	492	114	607	459	126	585	386	159	545	301	208	509
	10	538	107	646	509	116	625	475	128	603	400	161	561	313	211	523
43.2	6	493	109	602	465	118	583	433	130	563	363	162	525	282	211	492
	7	511	111	621	482	119	601	449	131	580	377	164	542	294	213	507
	8	529	112	641	499	121	620	466	133	599	392	166	558	306	216	522
	9	548	113	661	518	122	640	483	134	618	407	168	575	319	218	537
10	567	114	682	536	123	660	501	136	637	422	171	592	332	221	552	

\* Only for /HT version

\*\* Capacity table valid for basic, /LN, /SLN, /HT, LT units

Pt: heating capacity [kW]

Pe: electrical power absorbed by the compressors [kW]

Ta: ambient temperature [°C]

RH:evaporator inflow air relative humidity [%]

## OMICRON V EVO - TOTAL RECOVERY CAPACITIES\*\*

Model	To	CONDENSER WATER TEMPERATURE [°C]														
	[°C]	30/35			35/40			40/45			50/55			60/65*		
		Pf	Pe	Pr	Pf	Pe	Pr	Pf	Pe	Pr	Pf	Pe	Pr	Pf	Pe	Pr
47.2	6	538	122	659	506	132	637	471	145	616	395	181	576	305	236	541
	7	558	123	681	525	133	658	489	147	635	411	183	594	319	238	557
	8	578	124	703	544	135	679	507	148	656	428	185	613	333	241	574
	9	600	125	725	564	136	700	527	150	677	444	187	632	347	244	590
51.2	6	621	127	748	584	138	722	547	151	698	461	189	651	361	246	607
	7	578	128	706	543	139	682	506	153	659	424	192	616	327	252	579
	8	599	129	729	564	140	704	525	155	679	441	194	635	342	255	596
	9	622	131	752	585	142	726	545	156	701	459	196	655	356	258	614
54.2	6	644	132	776	606	143	749	567	157	724	477	198	675	372	260	632
	7	667	133	800	627	145	772	588	159	747	495	201	696	387	263	650
	8	634	142	776	597	154	751	558	169	727	468	214	681	363	281	643
	7	658	143	801	619	156	774	579	171	750	484	217	701	378	284	662
58.2	8	682	145	826	643	157	800	600	173	773	503	219	723	394	287	681
	9	707	146	853	667	158	825	620	176	796	523	222	745	411	290	700
	10	733	147	881	691	160	851	643	178	820	543	224	767	427	293	720
	6	703	153	855	661	165	827	617	182	799	518	230	748	404	301	705
61.2	7	721	154	875	679	167	846	634	184	818	535	232	767	419	304	724
	8	746	156	901	702	169	871	655	186	841	553	235	788	435	308	743
	9	770	157	928	725	171	896	677	188	866	572	237	809	451	311	762
	10	795	159	954	749	173	922	700	190	890	591	240	831	467	314	781
67.2	6	705	149	854	667	162	829	625	179	804	532	226	758	421	297	718
	7	731	150	882	691	164	855	649	181	829	553	229	782	439	300	739
	8	757	152	909	716	166	882	673	183	856	574	232	806	457	304	761
	9	783	154	937	742	168	909	697	185	883	596	235	831	475	308	783
70.2	10	811	156	967	768	170	938	722	188	909	618	238	856	494	312	806
	6	748	157	905	701	170	871	652	187	839	543	235	779	419	307	726
	7	773	158	932	726	172	897	675	189	864	563	238	801	436	311	746
	8	800	160	960	750	174	924	698	191	889	584	241	824	453	314	767
73.2	9	826	162	988	776	176	952	722	194	916	605	243	848	470	318	788
	10	854	164	1018	802	178	980	747	196	943	627	246	873	488	321	810
	6	798	168	966	748	182	929	696	200	895	580	251	831	447	328	775
	7	825	169	995	773	184	957	720	202	922	601	254	855	465	331	796
80.2	8	853	171	1025	800	186	986	745	204	950	623	257	880	483	335	819
	9	883	173	1056	828	188	1016	771	207	978	646	260	906	502	339	842
	10	913	175	1088	856	190	1047	798	210	1008	670	263	933	522	343	865
	6	843	173	1015	790	187	977	735	206	941	614	258	872	475	337	812
80.2	7	871	174	1046	818	189	1007	761	208	969	636	261	898	494	341	834
	8	901	176	1077	846	191	1037	787	210	998	659	264	924	513	345	858
	9	931	178	1110	874	194	1068	815	213	1028	683	268	951	533	349	881
	10	962	180	1143	904	196	1100	842	216	1058	707	271	978	553	353	905
80.2	6	900	185	1086	844	201	1045	784	221	1005	654	278	931	505	363	867
	7	931	187	1118	873	203	1076	811	224	1035	677	281	958	524	366	891
	8	963	189	1152	903	205	1109	840	226	1066	703	284	987	545	371	916
	9	996	192	1187	935	208	1143	870	229	1099	729	288	1017	567	375	942
10	1030	194	1224	968	210	1178	901	232	1133	756	292	1048	590	380	969	

\* Only for /HT version

\*\* Capacity table valid for basic, /LN, /SLN, /HT, LT units

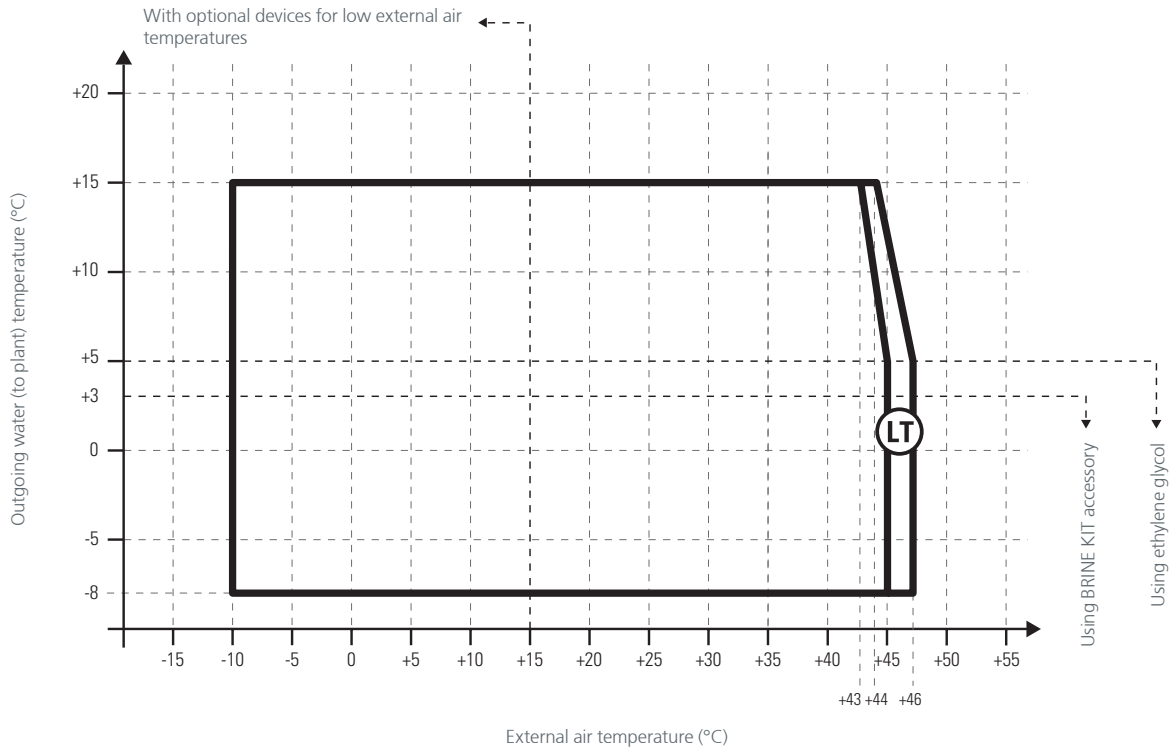
Pt: heating capacity [kW]

Pe: electrical power absorbed by the compressors [kW]

Ta: ambient temperature [°C]

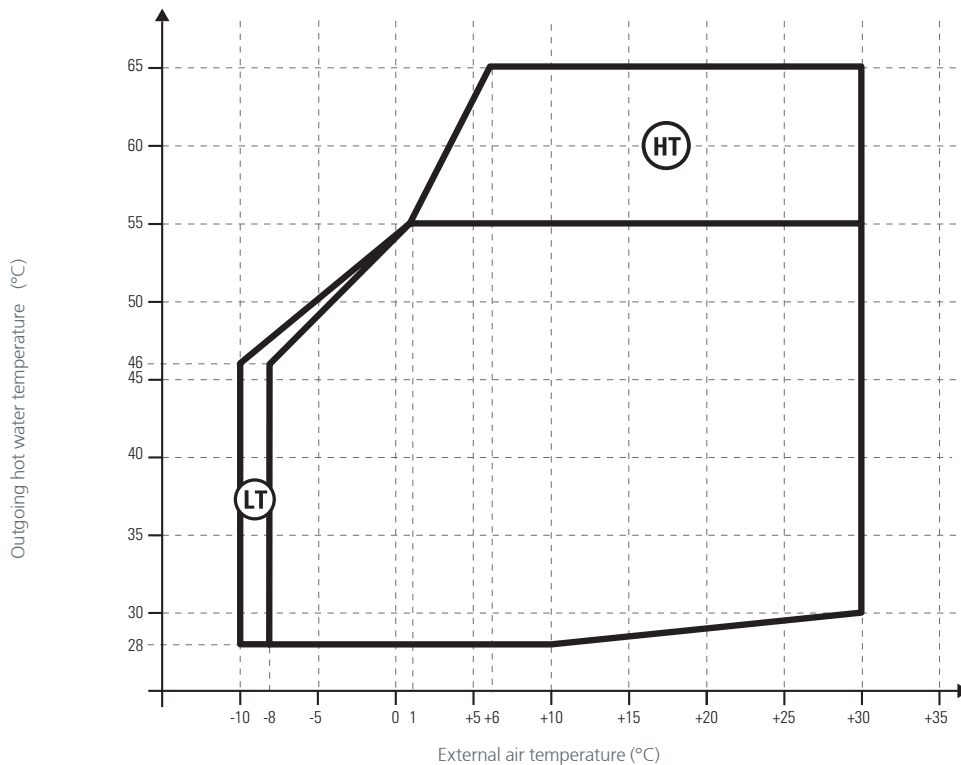
RH: evaporator inflow air relative humidity [%]

### OPERATING LIMITS COOLING - OMICRON V EVO



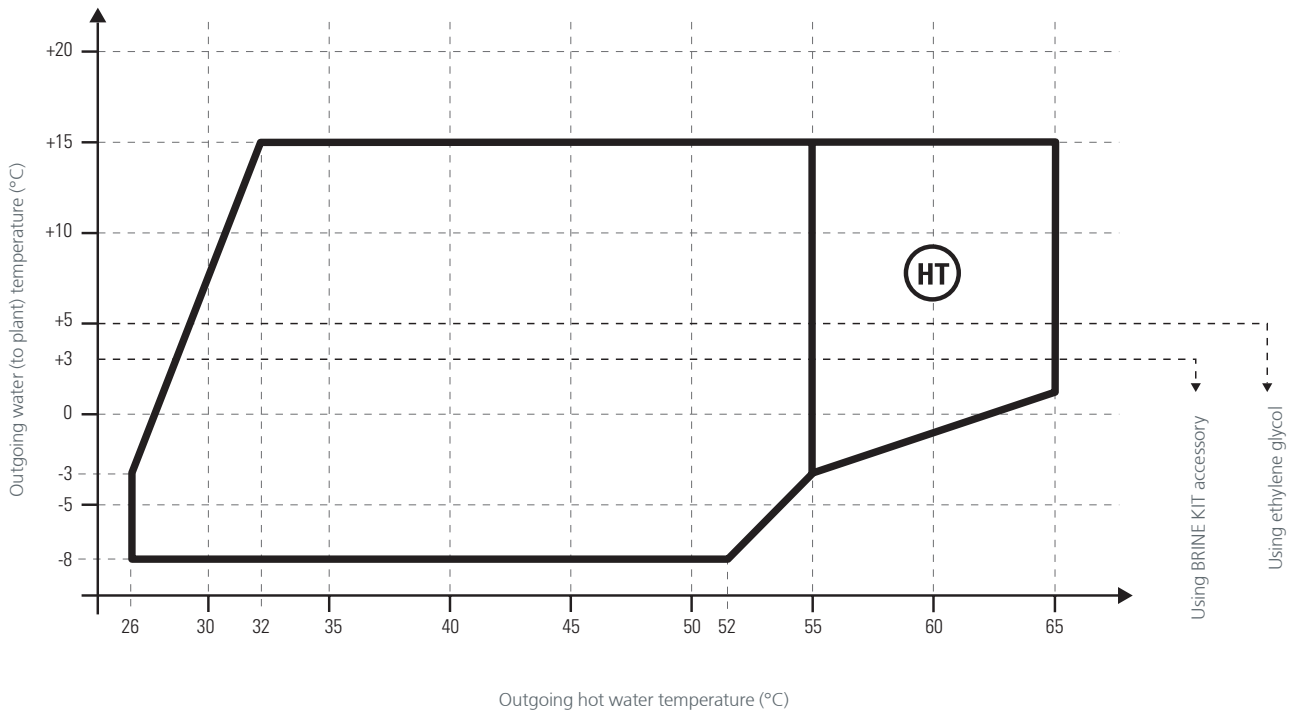
If /HT version: outgoing ( to plant) water maximum temperature is 18°C.

### OPERATING LIMITS HEAT PUMP (FOR 2T 4T / ACS 2T PLANT) - Omicron V Evo



THE THERMAL GRADIENT OF THE WATER FOR ALL VERSIONS MUST BE BETWEEN: min:4 °C max: 7°C

## OPERATING LIMITS RECOVERY - OMICRON V EVO



If /HT version: outgoing ( to plant) water maximum temperature is 18°C.

HT:extension of operating limits for /HT version  
 LT:extension of operating limits for /LT version

THE THERMAL GRADIENT OF THE WATER FOR ALL VERSIONS MUST BE BETWEEN: min:4 °C max: 7°C

## NOISE LEVELS - OMICRON V EVO

Model	OCTAVE BAND AT 10m [dB]																Total [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz		Lw	Lp
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp		
23.1	77	45	75	43	83	51	84	52	90	58	87	55	82	50	75	43	93	61
25.1	77	45	75	43	83	51	80	48	90	58	89	57	81	49	76	44	94	62
28.1	78	46	76	44	83	51	79	47	89	57	90	58	82	50	72	40	94	62
31.1	78	46	76	44	83	51	79	47	89	57	90	58	82	50	75	43	94	62
33.2	79	47	77	45	84	52	81	49	89	57	89	57	85	53	76	44	94	62
35.2	80	48	78	46	84	52	82	50	90	58	89	57	85	53	78	46	94	62
37.2	79	47	79	47	84	52	84	52	90	58	90	58	86	54	79	47	95	63
40.2	80	48	80	48	85	53	83	51	91	59	91	59	87	55	76	44	96	64
43.2	80	48	79	47	84	52	85	53	91	59	91	59	86	54	79	47	96	64
47.2	81	49	80	48	84	52	85	53	93	61	92	60	87	55	79	47	97	65
51.2	82	50	80	48	85	53	84	52	93	61	91	59	87	55	78	46	97	65
54.2	82	50	81	49	86	54	85	53	95	63	92	60	87	55	79	47	98	66
58.2	82	49	81	48	86	53	85	52	94	61	93	60	88	55	79	46	98	65
61.2	83	50	82	49	87	54	85	52	96	63	94	61	89	56	80	47	99	66
67.2	83	50	82	49	87	54	86	53	96	63	93	60	89	56	80	47	99	66
70.2	84	51	82	49	87	54	86	53	96	63	93	60	88	55	80	47	99	66
73.2	84	51	83	50	88	55	87	54	97	64	94	61	89	56	80	47	100	67
80.2	85	52	83	50	87	54	87	54	97	64	94	61	90	57	80	47	100	67

## NOISE LEVELS - OMICRON V EVO /LN

Model	OCTAVE BAND AT 10m [dB]																Total [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz		Lw	Lp
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp		
23.1	72	40	71	39	75	43	75	43	82	50	81	49	77	45	70	38	87	55
25.1	73	41	71	39	76	44	75	43	83	51	81	49	77	45	70	38	87	55
28.1	73	41	72	40	76	44	75	43	83	51	82	50	78	46	69	37	87	55
31.1	73	41	72	40	76	44	76	44	84	52	82	50	78	46	70	38	88	56
33.2	74	42	72	40	77	45	78	46	84	52	84	52	78	46	72	40	89	57
35.2	74	42	73	41	77	45	78	46	85	53	84	52	80	48	72	40	89	57
37.2	74	42	73	41	77	45	78	46	85	53	84	52	80	48	73	41	89	57
40.2	74	42	74	42	77	45	78	46	86	54	84	52	80	48	73	41	90	58
43.2	75	43	74	42	78	46	79	47	86	54	85	53	81	49	73	41	90	58
47.2	76	44	75	43	78	46	79	47	86	54	85	53	81	49	74	42	90	58
51.2	76	44	75	43	80	48	79	47	87	55	85	53	81	49	74	42	91	59
54.2	76	44	76	44	80	48	80	48	87	55	86	54	82	50	74	42	91	59
58.2	77	44	76	43	80	47	80	47	88	55	86	53	82	49	74	41	92	59
61.2	77	44	77	44	81	48	80	47	88	55	87	54	82	49	75	42	92	59
67.2	78	45	77	44	81	48	81	48	89	56	87	54	83	50	75	42	93	60
70.2	78	45	78	45	81	48	81	48	89	56	87	54	83	50	75	42	93	60
73.2	79	46	78	45	82	49	82	49	90	57	88	55	84	51	76	43	94	61
80.2	79	46	78	45	82	49	82	49	90	57	88	55	84	51	75	42	94	61

Lw:sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.  
 Lp:sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.  
 Same data for /HT version



## NOISE LEVELS - OMICRON V EVO /SLN

Model	OCTAVE BAND AT 10m [dB]																Total [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz		Lw	Lp
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp		
23.1	69	37	68	36	72	40	72	40	79	47	77	45	73	41	67	35	83	51
25.1	69	37	68	36	72	40	72	40	80	48	77	45	73	41	67	35	84	52
28.1	69	37	69	37	72	40	72	40	80	48	77	45	74	42	67	35	84	52
31.1	70	38	69	37	73	41	73	41	80	48	78	46	74	42	68	36	84	52
33.2	70	38	70	38	73	41	73	41	79	47	78	46	75	43	69	37	84	52
35.2	70	38	70	38	74	42	74	42	79	47	79	47	75	43	69	37	84	52
37.2	71	39	71	39	74	42	74	42	80	48	79	47	76	44	70	38	85	53
40.2	71	39	71	39	74	42	75	43	81	49	80	48	76	44	70	38	86	54
43.2	72	40	71	39	75	43	75	43	82	50	80	48	77	45	70	38	86	54
47.2	72	40	71	39	75	43	75	43	82	50	80	48	77	45	70	38	86	54
51.2	72	40	71	39	75	43	76	44	82	50	81	49	76	44	70	38	86	54
54.2	73	41	72	40	76	44	75	43	83	51	81	49	76	44	71	39	87	55
58.2	73	40	72	39	76	43	76	43	83	50	81	48	77	44	71	38	87	54
61.2	73	40	72	39	77	44	76	43	84	51	81	48	77	44	71	38	88	55
67.2	73	40	73	40	77	44	76	43	84	51	82	49	78	45	71	38	88	55
70.2	74	41	73	40	77	44	77	44	84	51	82	49	78	45	71	38	88	55
73.2	74	41	73	40	78	45	77	44	85	52	83	50	79	46	72	39	89	56
80.2	75	42	74	41	78	45	77	44	85	52	83	50	79	46	72	39	89	56

## NOISE LEVELS - OMICRON V EVO /LT

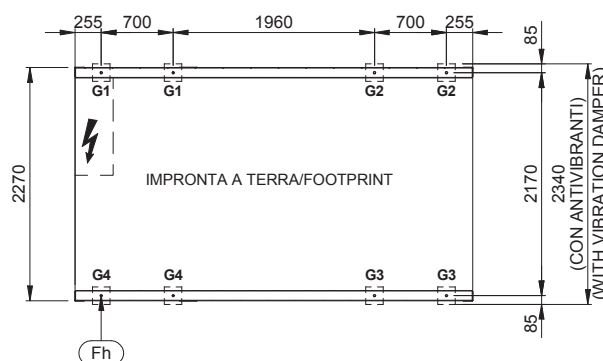
Model	OCTAVE BAND AT 10m [dB]																Total [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz		Lw	Lp
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp		
23.1	77	45	76	43	83	51	79	48	89	58	90	57	81	49	76	44	94	62
25.1	78	46	76	44	83	51	80	47	89	57	90	58	82	50	74	42	94	62
28.1	78	46	76	44	83	51	80	47	89	57	90	58	82	50	75	43	94	62
31.1	79	47	77	45	84	52	81	49	89	57	89	57	85	53	76	44	94	62
33.2	79	48	78	46	84	52	82	50	90	58	89	57	85	53	77	45	94	62
35.2	79	47	79	47	85	52	84	52	91	58	90	58	86	54	79	47	95	63
37.2	80	48	80	48	85	53	83	51	91	59	91	59	87	55	76	44	96	64
40.2	80	48	79	47	84	52	85	53	91	59	91	59	86	54	79	47	96	64
43.2	81	49	80	48	84	52	85	53	93	61	92	60	87	55	79	47	97	65
47.2	81	50	81	48	85	53	84	52	93	61	91	59	87	55	78	46	97	65
51.2	82	50	81	49	86	54	84	53	94	63	92	60	87	55	79	47	98	66
54.2	82	49	81	48	86	53	85	52	94	61	92	60	88	55	79	46	98	65
58.2	83	50	81	49	87	54	85	52	96	63	93	61	88	56	79	46	99	66
61.2	83	50	82	49	87	54	86	53	96	63	93	60	89	56	80	47	99	66
67.2	84	51	82	49	87	54	86	53	96	63	93	60	88	55	80	47	99	66

Lw:sound power levels measured in free field calculated according to standard ISO 3744; under nominal operating conditions.  
 Lp:sound pressure levels measured at 10 meters from the unit in free field under nominal operating conditions, according to ISO 3744.  
 Same data for /HT version



## DIMENSIONAL DRAWING

### OMICRON V EVO /ST 23.1-31.1; OMICRON V EVO /SLN 23.1-31.1



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

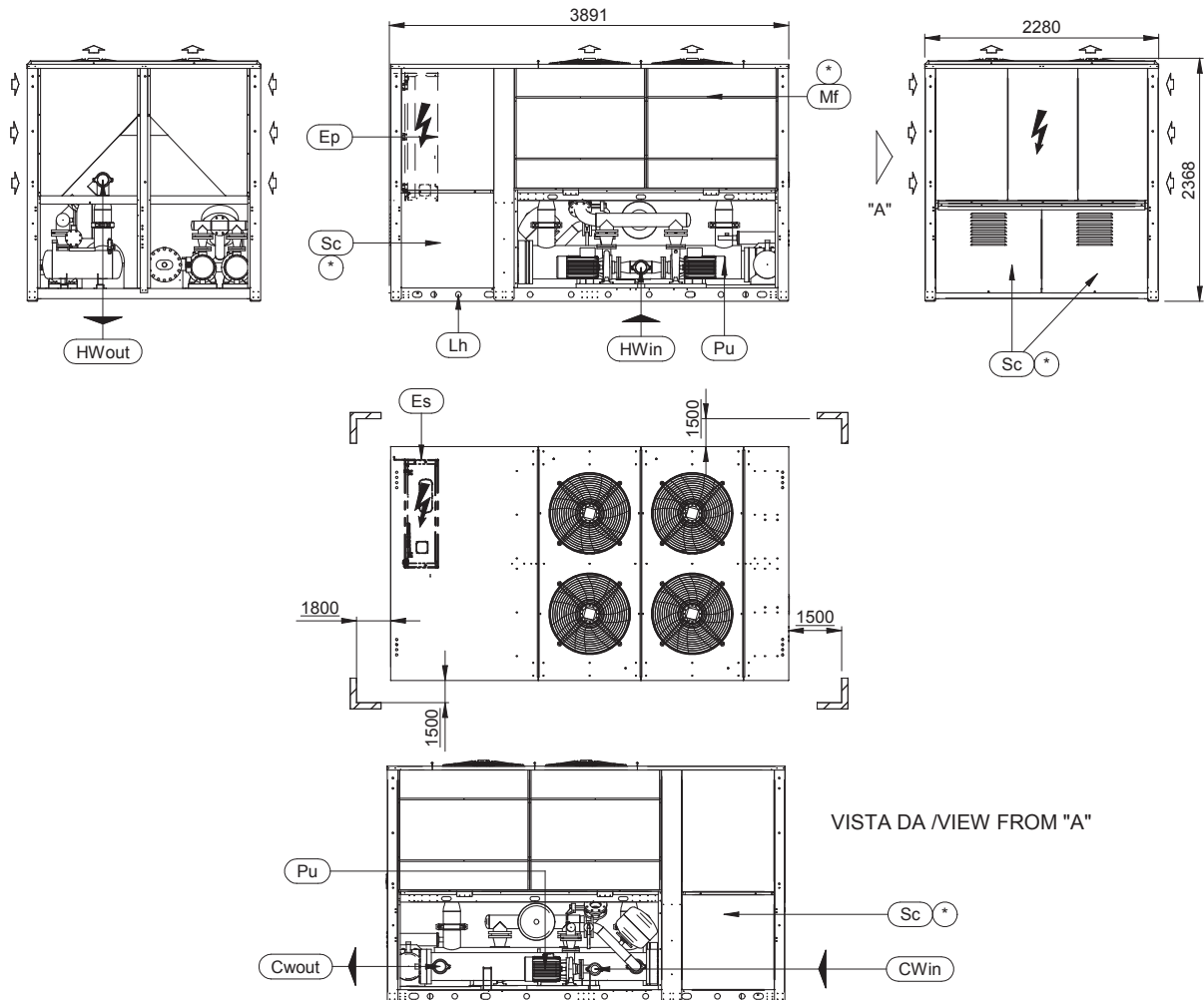
*The weights shown in this drawing are estimated and refer to the basic unit without any accessory and should therefore be considered as indicative.*

MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 23.1	3313	3506	503	315	360	575
OMICRON V EVO 23.1 LN	3543	3736	549	303	361	655
OMICRON V EVO 25.1	3385	3578	523	317	358	591
OMICRON V EVO 25.1 LN	3613	3806	569	304	359	671
OMICRON V EVO 28.1	3409	3588	515	324	369	586
OMICRON V EVO 28.1 LN	3639	3818	561	312	370	666
OMICRON V EVO 31.1	3409	3588	515	324	369	586
OMICRON V EVO 31.1 LN	3639	3818	561	312	370	666
OMICRON V EVO 23.1 LT	3353	3546	506	322	367	578
OMICRON V EVO 23.1 LT LN	3587	3780	553	310	369	658
OMICRON V EVO 25.1 LT	3423	3616	526	323	365	594
OMICRON V EVO 25.1 LT LN	3655	3848	572	311	367	674

For HT version, the weight is greater than that given

## DIMENSIONAL DRAWING

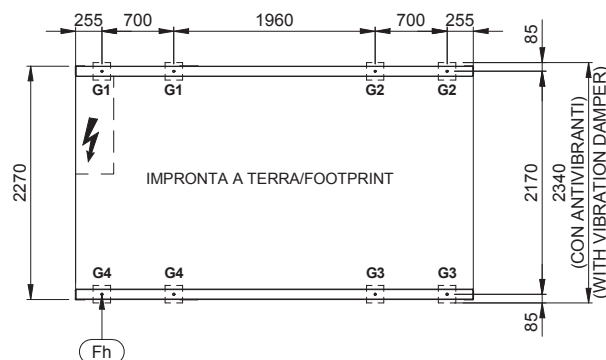
OMICRON V EVO /ST 23.1-31.1; OMICRON V EVO /SLN 23.1-31.1; OMICRON V EVO /ST /LT 23.1-25.1



HWin	INGRESSO ACQUA CALDA HOT WATER INLET	HWout	USCITA ACQUA CALDA HOT WATER OUTLET
CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	Pu	POMPA PUMP
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
Mf	FILTRI METALLICI METALLIC FILTER		FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET		SPAZI DI INSTALLAZIONE CLEARANCES
		*	OPTIONAL

## DIMENSIONAL DRAWING

OMICRON V EVO /ST 23.1-31.1; OMICRON V EVO /SLN 23.1-31.1; OMICRON V EVO /ST /LT 23.1-25.1



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

*The weights shown in this drawing are estimated and refer to the basic unit without any accessory and should therefore be considered as indicative.*

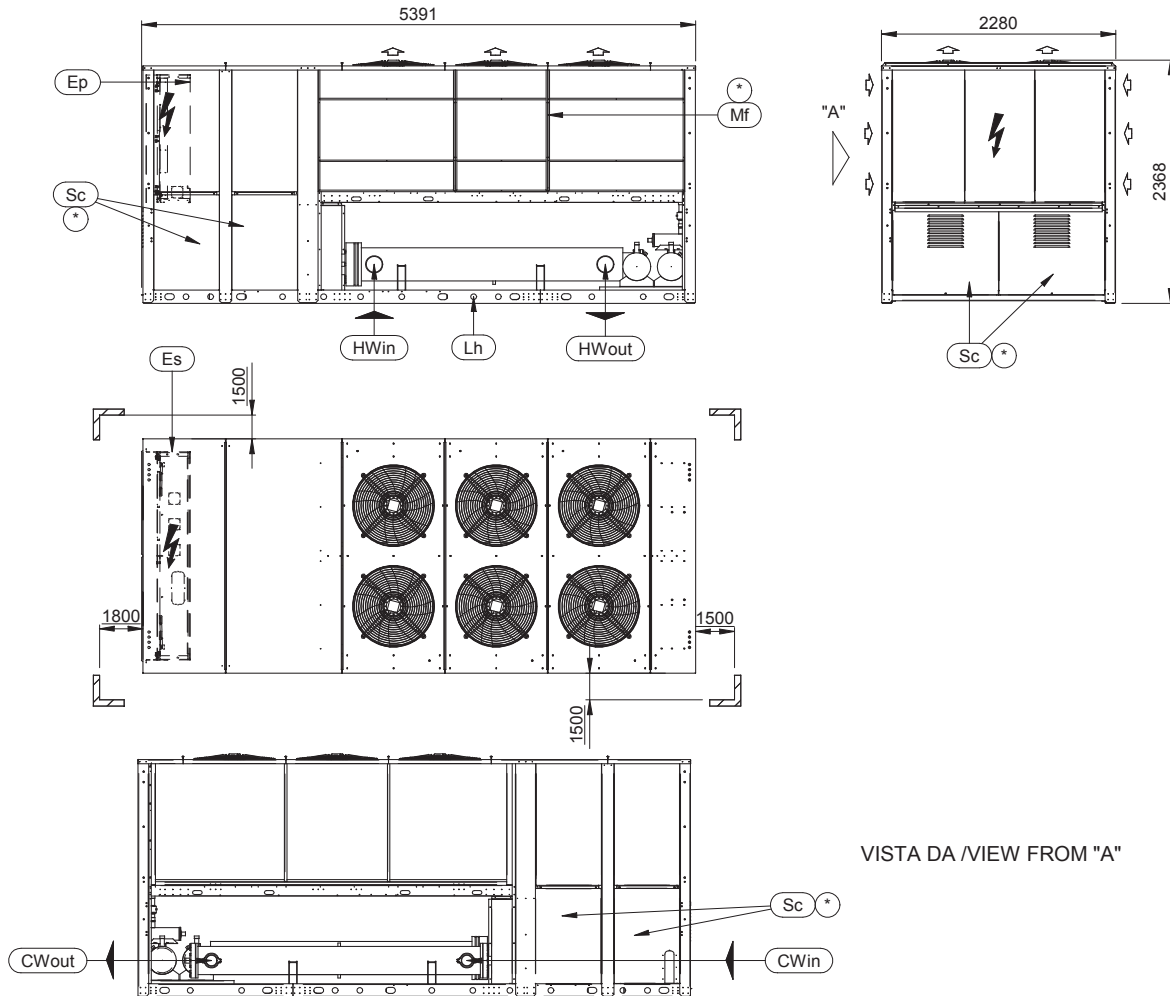
MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 23.1 1P-2P	3697	3922	503	351	455	652
OMICRON V EVO 23.1 1P-2P LN	3927	4152	548	340	455	733
OMICRON V EVO 25.1 1P-2P	3820	4052	523	358	465	680
OMICRON V EVO 25.1 1P-2P LN	4050	4282	568	347	465	761
OMICRON V EVO 28.1 1P-2P	3865	4086	517	366	481	679
OMICRON V EVO 28.1 1P-2P LN	4095	4316	562	355	481	760
OMICRON V EVO 31.1 1P-2P	3905	4128	516	370	492	686
OMICRON V EVO 31.1 1P-2P LN	4137	4360	561	359	492	768
OMICRON V EVO 23.1 LT 1P-2P	3739	3964	506	358	463	655
OMICRON V EVO 23.1 LT 1P-2P LN	3969	4194	551	347	463	736
OMICRON V EVO 25.1 LT 1P-2P	3856	4088	526	364	472	682
OMICRON V EVO 25.1 LT 1P-2P LN	4086	4318	571	353	472	763

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS
Fh	FORI DI FISSAGGIO FIXING HOLES
	Ø18

For HT version, the weight is greater than that given

## DIMENSIONAL DRAWING

OMICRON V EVO 33.2-40.2 ; OMICRON V EVO /SLN 33.2-40.2 ; OMICRON V EVO /LT 28.1-35.2



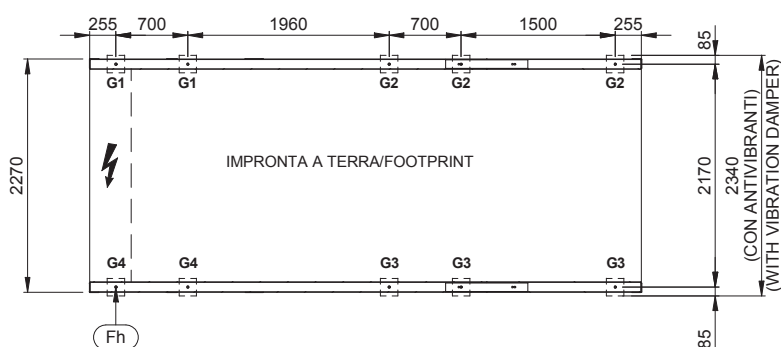
VISTA DA /VIEW FROM "A"

HWin	INGRESSO ACQUA CALDA HOT WATER INLET		
CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	HWout	USCITA ACQUA CALDA HOT WATER OUTLET
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
Mf	FILTRI METALLICI METALLIC FILTER	↕	FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET	▨	SPAZI DI INSTALLAZIONE CLEARANCES
		*	OPTIONAL



## DIMENSIONAL DRAWING

OMICRON V EVO 33.2-40.2 ; OMICRON V EVO /SLN 33.2-40.2 ; OMICRON V EVO /LT 28.1-35.2



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

*The weights shown in this drawing are estimated and refer to the basic unit without any accessory and should therefore be considered as indicative.*

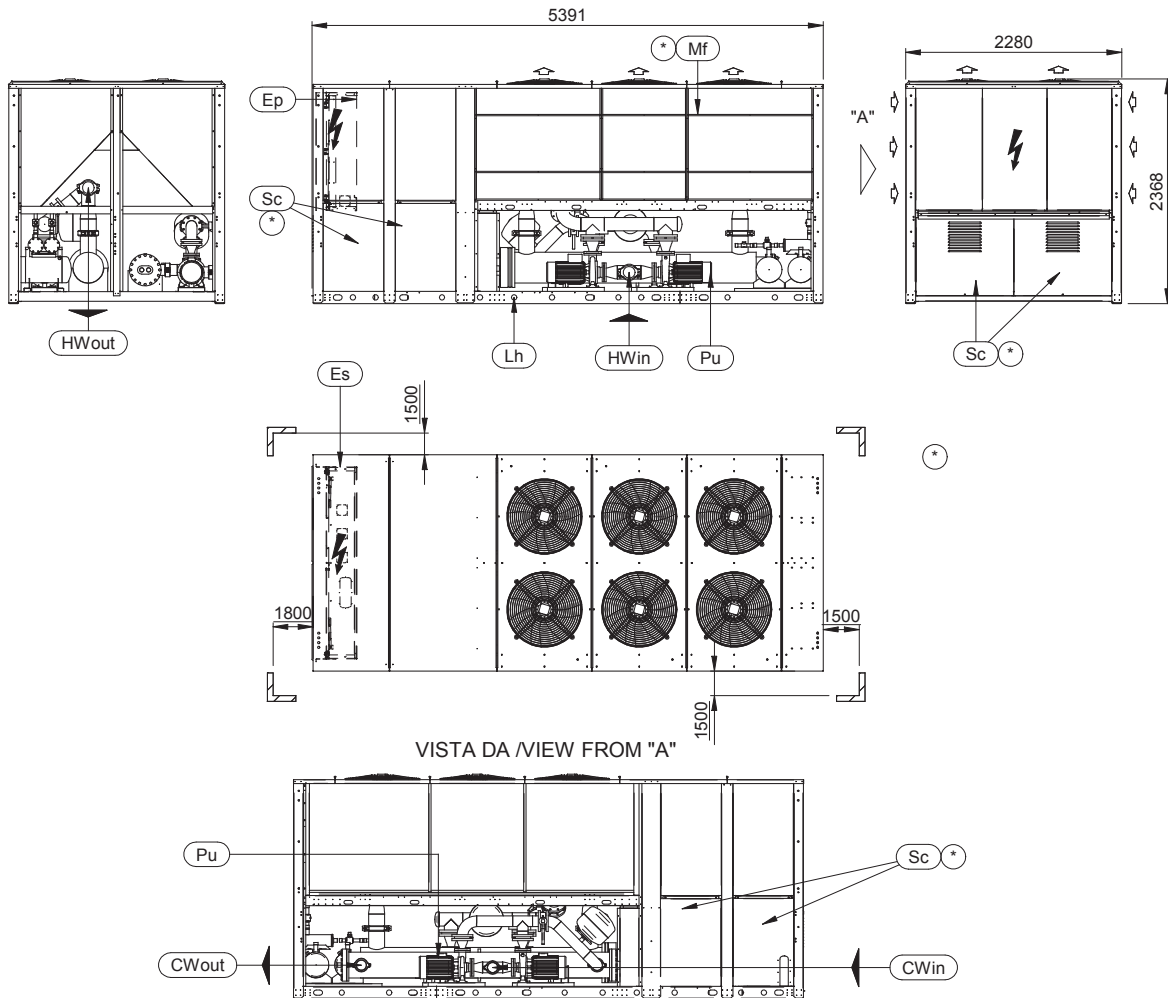
MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 33.2	4577	4804	567	359	421	665
OMICRON V EVO 33.2 LN	4818	5045	617	357	424	734
OMICRON V EVO 35.2	4587	4814	569	359	421	668
OMICRON V EVO 35.2 LN	4826	5053	619	357	424	736
OMICRON V EVO 37.2	4587	4814	569	359	421	668
OMICRON V EVO 37.2 LN	4826	5053	619	357	424	736
OMICRON V EVO 40.2	4776	5111	578	390	467	692
OMICRON V EVO 40.2 LN	5015	5350	628	388	470	760
OMICRON V EVO 28.1 LT	3970	4149	542	361	330	496
OMICRON V EVO 28.1 LT LN	4211	4390	596	356	336	561
OMICRON V EVO 31.1 LT	4164	4343	593	359	330	545
OMICRON V EVO 31.1 LT LN	4213	4392	601	353	333	566
OMICRON V EVO 33.2 LT	4634	4861	569	367	430	666
OMICRON V EVO 33.2 LT LN	4875	5102	619	365	433	735
OMICRON V EVO 35.2 LT	4644	4871	571	367	430	669
OMICRON V EVO 35.2 LT LN	4886	5113	621	365	434	737

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS	
Fh	FORI DI FISSAGGIO FIXING HOLES	Ø18

For HT version, the weight is greater than that given

### DIMENSIONAL DRAWING

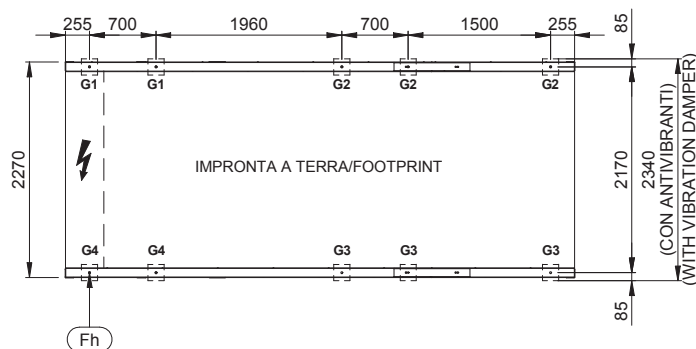
OMICRON V EVO /ST 33.2-40.2 ; OMICRON V EVO /ST /SLN 33.2-40.2 ; OMICRON V EVO /ST /LT 28.1-35.2



HWin	INGRESSO ACQUA CALDA HOT WATER INLET	HWout	USCITA ACQUA CALDA HOT WATER OUTLET
CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	Pu	POMPA PUMP
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
Mf	FILTRI METALLICI METALLIC FILTER	↕	FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET	▨	SPAZI DI INSTALLAZIONE CLEARANCES
		*	OPTIONAL

## DIMENSIONAL DRAWING

OMICRON V EVO /ST 33.2-40.2 ; OMICRON V EVO /ST /SLN 33.2-40.2 ; OMICRON V EVO /ST /LT 28.1-35.2



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

*The weights shown in this drawing are estimated and refer to the basic unit without any accessory and should therefore be considered as indicative.*

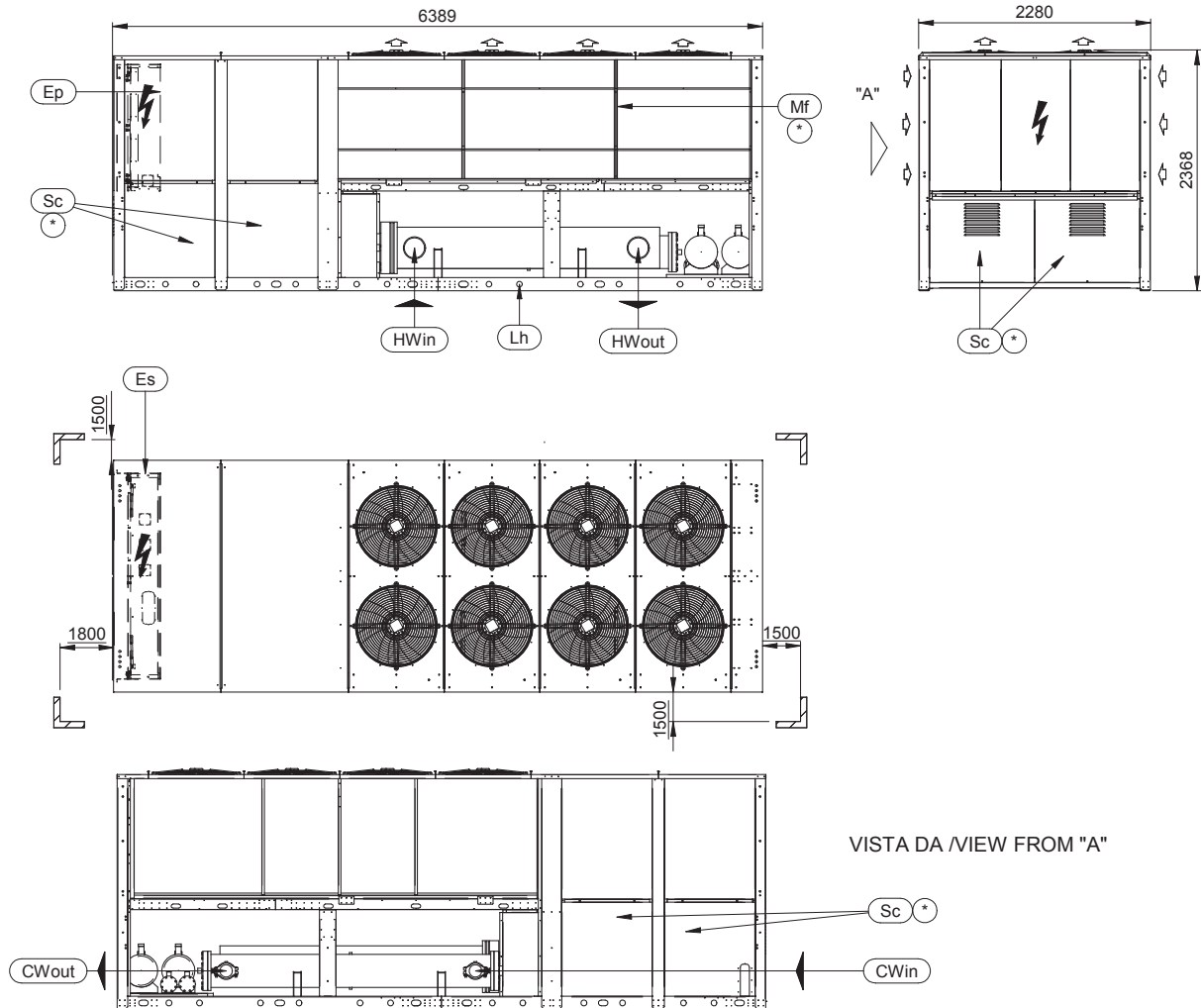
MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 33.2 1P-2P	5129	5401	589	430	511	700
OMICRON V EVO 33.2 1P-2P LN	5371	5643	639	428	515	768
OMICRON V EVO 35.2 1P-2P	5142	5414	591	430	512	703
OMICRON V EVO 35.2 1P-2P LN	5381	5653	641	428	515	771
OMICRON V EVO 37.2 1P-2P	5142	5414	591	430	512	703
OMICRON V EVO 37.2 1P-2P LN	5381	5653	641	428	515	771
OMICRON V EVO 40.2 1P-2P	5329	5709	600	461	558	726
OMICRON V EVO 40.2 1P-2P LN	5572	5952	651	459	561	795
OMICRON V EVO 28.1 LT 1P-2P	4356	4567	552	413	392	524
OMICRON V EVO 28.1 LT 1P-2P LN	4597	4808	606	409	397	589
OMICRON V EVO 31.1 LT 1P-2P	4358	4569	557	410	389	529
OMICRON V EVO 31.1 LT 1P-2P LN	4594	4805	610	405	394	594
OMICRON V EVO 33.2 LT 1P-2P	5192	5464	591	439	521	701
OMICRON V EVO 33.2 LT 1P-2P LN	5430	5702	641	436	524	770
OMICRON V EVO 35.2 LT 1P-2P	5202	5474	593	439	521	704
OMICRON V EVO 35.2 LT 1P-2P LN	5441	5713	643	437	524	772

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS	
Fh	FORI DI FISSAGGIO FIXING HOLES	Ø18

For HT version, the weight is greater than that given

### DIMENSIONAL DRAWING

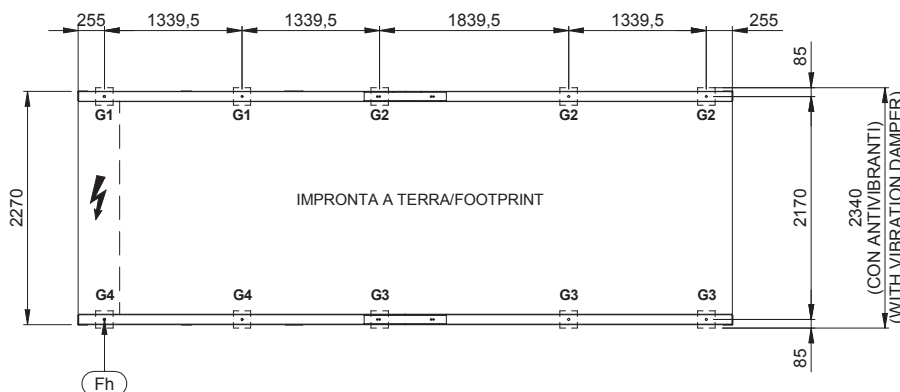
OMICRON V EVO 43.2-58.2 ; OMICRON V EVO /SLN 43.2-58.2 ; OMICRON V EVO /LT 37.2-51.2



HWin	INGRESSO ACQUA CALDA HOT WATER INLET	HWout	USCITA ACQUA CALDA HOT WATER OUTLET
CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	↕	FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Mf	FILTRI METALLICI METALLIC FILTER	Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	▨	SPAZI DI INSTALLAZIONE CLEARANCES
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET	*	OPTIONAL

## DIMENSIONAL DRAWING

OMICRON V EVO 43.2-58.2 ; OMICRON V EVO /SLN 43.2-58.2 ; OMICRON V EVO /LT 37.2-51.2



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

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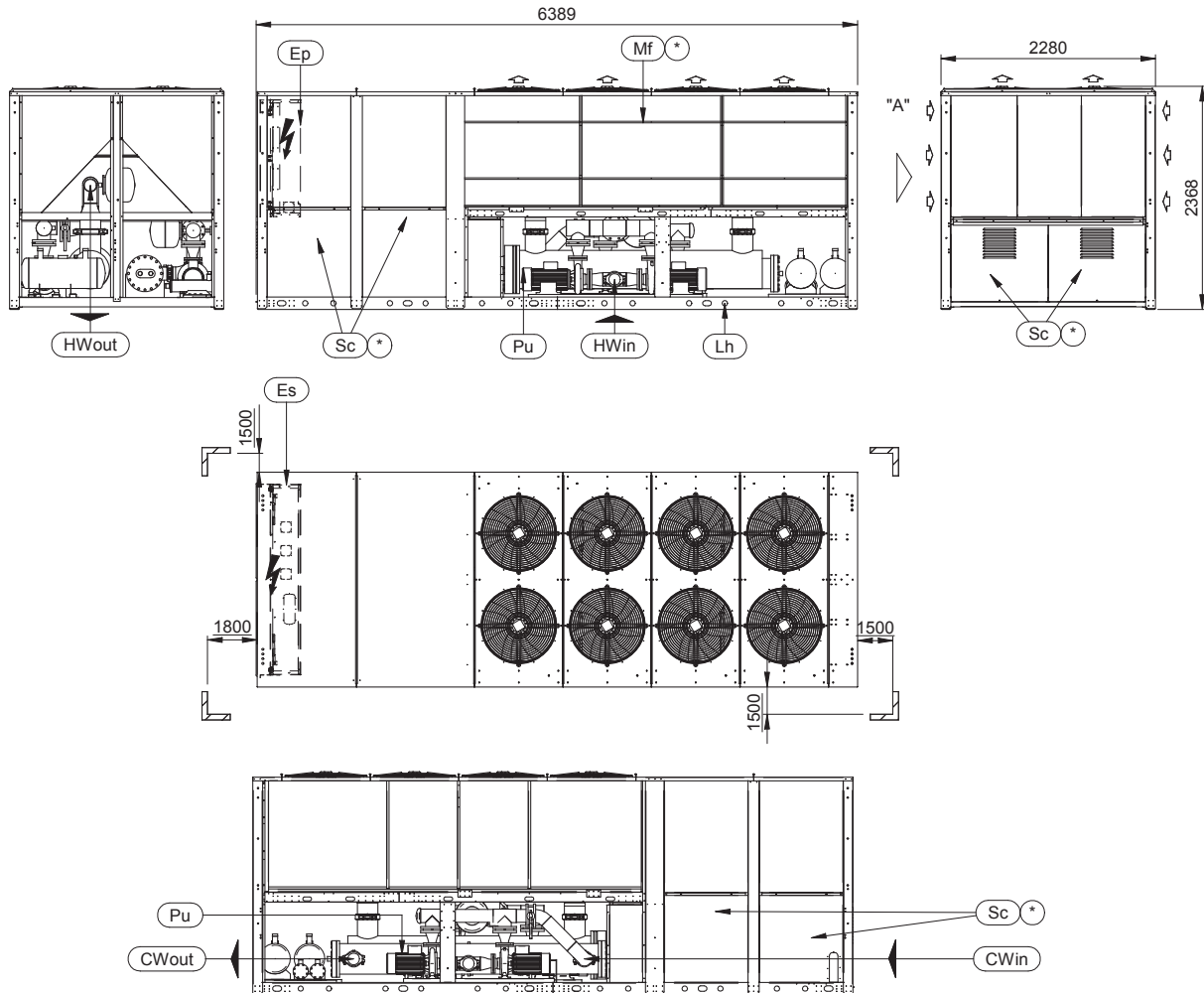
MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 43.2	5188	5574	702	403	457	795
OMICRON V EVO 43.2 LN	5487	5873	766	398	459	885
OMICRON V EVO 47.2	5404	5774	745	403	459	849
OMICRON V EVO 47.2 LN	5653	6023	802	403	460	915
OMICRON V EVO 51.2	5471	5841	757	400	461	872
OMICRON V EVO 51.2 LN	5775	6145	822	396	463	962
OMICRON V EVO 54.2	5627	5965	748	422	489	868
OMICRON V EVO 54.2 LN	5931	6269	813	417	492	958
OMICRON V EVO 58.2	5750	6088	777	423	489	899
OMICRON V EVO 58.2 LN	6053	6391	842	418	491	990
OMICRON V EVO 37.2 LT	4788	5015	644	345	400	746
OMICRON V EVO 37.2 LT LN	5089	5316	708	340	402	837
OMICRON V EVO 40.2 LT	4979	5314	653	377	445	771
OMICRON V EVO 40.2 LT LN	5278	5613	717	372	447	861
OMICRON V EVO 43.2 LT	5237	5623	703	410	465	796
OMICRON V EVO 43.2 LT LN	5538	5924	768	405	467	886
OMICRON V EVO 47.2 LT	5455	5825	747	410	467	850
OMICRON V EVO 47.2 LT LN	5752	6122	811	405	469	939
OMICRON V EVO 51.2 LT	5525	5895	759	408	469	873
OMICRON V EVO 51.2 LT LN	5824	6194	823	403	471	963

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS
Fh	FORI DI FISSAGGIO FIXING HOLES
	Ø18

For HT version, the weight is greater than that given

## DIMENSIONAL DRAWING

OMICRON V EVO /ST 43.2-58.2 ; OMICRON V EVO /ST /SLN 43.2-58.2 ; OMICRON V EVO /ST /LT 37.2-51.2



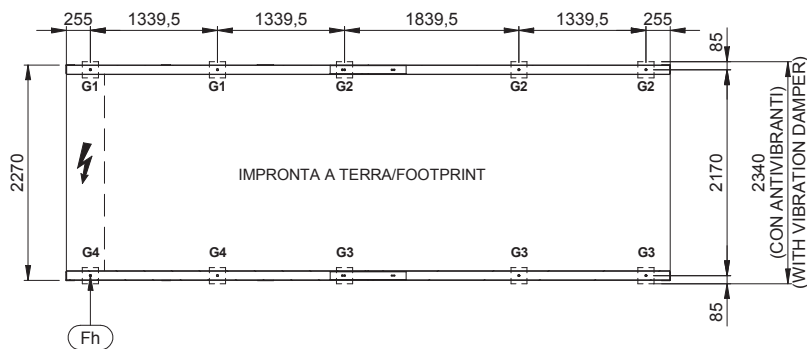
VISTA DA /VIEW FROM "A"

HWin	INGRESSO ACQUA CALDA HOT WATER INLET	HWout	USCITA ACQUA CALDA HOT WATER OUTLET
CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	Pu	POMPA PUMP
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
Mf	FILTRI METALLICI METALLIC FILTER	↔	FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET	▨	SPAZI DI INSTALLAZIONE CLEARANCES
		*	OPTIONAL



## DIMENSIONAL DRAWING

OMICRON V EVO /ST 43.2-58.2 ; OMICRON V EVO /ST /SLN 43.2-58.2 ; OMICRON V EVO /ST /LT 37.2-51.2



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

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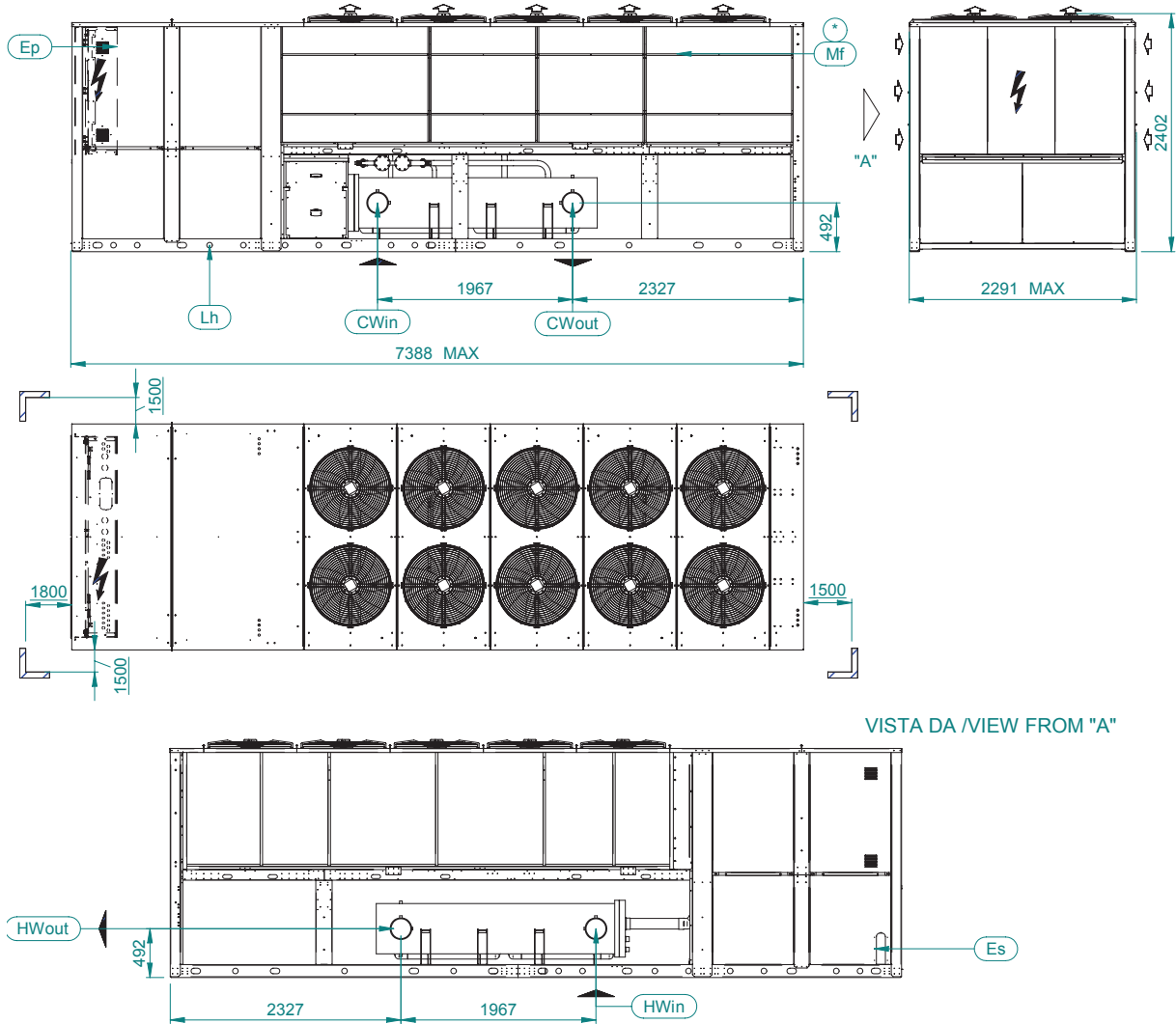
MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 43.2 1P-2P	5788	6207	731	486	547	823
OMICRON V EVO 43.2 1P-2P LN	6086	6505	797	480	549	912
OMICRON V EVO 47.2 1P-2P	6049	6456	774	490	558	882
OMICRON V EVO 47.2 1P-2P LN	6353	6760	839	485	561	972
OMICRON V EVO 51.2 1P-2P	6121	6528	787	487	561	905
OMICRON V EVO 51.2 1P-2P LN	6422	6829	852	482	563	995
OMICRON V EVO 54.2 1P-2P	6396	6780	783	524	608	909
OMICRON V EVO 54.2 1P-2P LN	6694	7078	848	518	610	999
OMICRON V EVO 58.2 1P-2P	6513	6897	812	524	607	940
OMICRON V EVO 58.2 1P-2P LN	6814	7198	877	519	609	1030
OMICRON V EVO 37.2 LT 1P-2P	5343	5615	670	420	487	777
OMICRON V EVO 37.2 LT 1P-2P LN	5644	5916	735	415	489	867
OMICRON V EVO 40.2 LT 1P-2P	5534	5914	680	452	532	801
OMICRON V EVO 40.2 LT 1P-2P LN	5830	6210	744	446	534	891
OMICRON V EVO 43.2 LT 1P-2P	5839	6258	733	494	554	824
OMICRON V EVO 43.2 LT 1P-2P LN	6140	6559	799	488	557	913
OMICRON V EVO 47.2 LT 1P-2P	6100	6507	776	497	566	883
OMICRON V EVO 47.2 LT 1P-2P LN	6404	6811	841	492	569	973
OMICRON V EVO 51.2 LT 1P-2P	6172	6579	789	495	568	906
OMICRON V EVO 51.2 LT 1P-2P LN	6471	6878	853	489	571	996

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS
Fh	FORI DI FISSAGGIO FIXING HOLES

For HT version, the weight is greater than that given

### DIMENSIONAL DRAWING

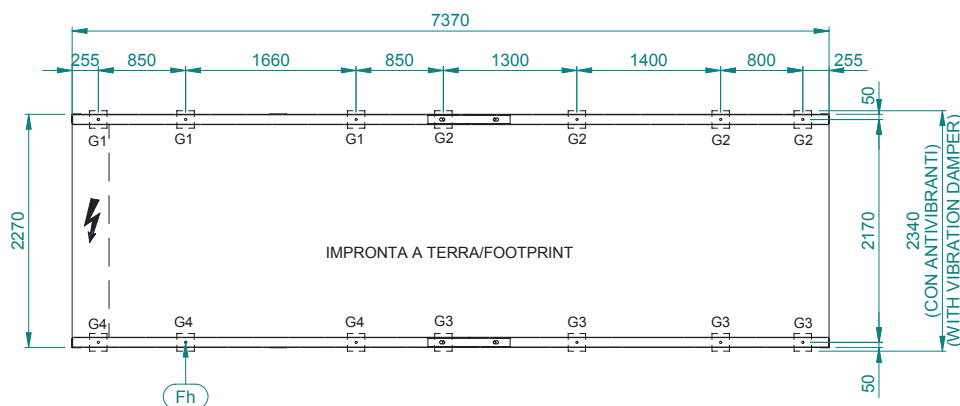
OMICRON V EVO 61.2-80.2 ; OMICRON V EVO /SLN 61.2-80.2 ; OMICRON V EVO /LT 54.2-67.2



CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	OD 219.1	HWin	INGRESSO ACQUA CALDA HOT WATER INLET	OD 219.1
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	OD 219.1	HWout	USCITA ACQUA CALDA HOT WATER OUTLET	OD 219.1
Mf	FILTRI METALLICI METALLIC FILTER		Lh	FORI DI SOLLEVAMENTO LIFTING HOLES	
Ep	QUADRO ELETTRICO ELECTRICAL PANEL			FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW	
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET			SPAZI DI INSTALLAZIONE CLEARANCES	* OPTIONAL

## DIMENSIONAL DRAWING

OMICRON V EVO 61.2-80.2 ; OMICRON V EVO /SLN 61.2-80.2 ; OMICRON V EVO /LT 54.2-67.2



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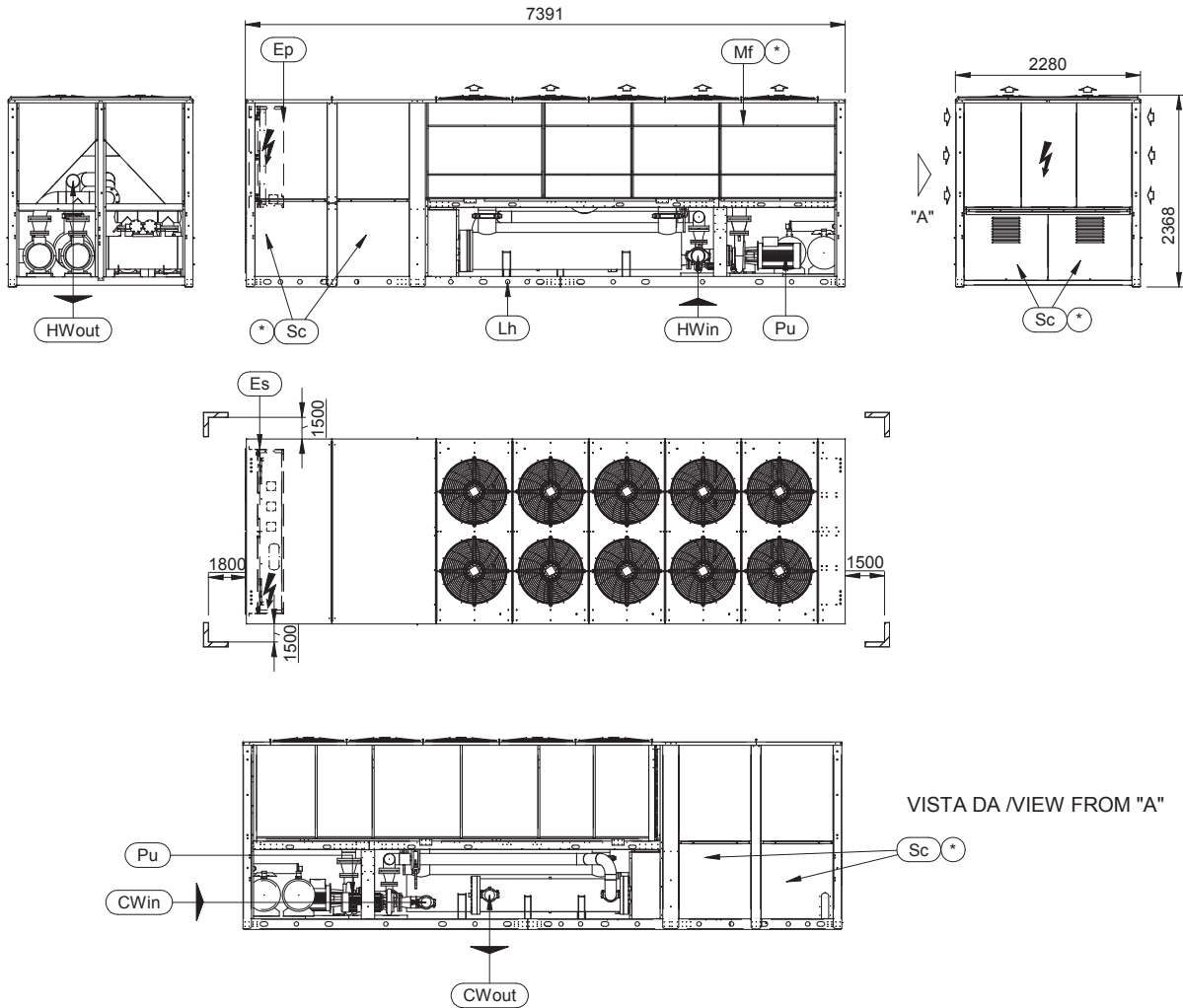
MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	PESO IN FUNZIONE (kg)			
			G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 61.2	6311	6727	817	310	345	909
OMICRON V EVO 61.2 LN	6410	6826	834	307	347	944
OMICRON V EVO 67.2	6270	6686	700	269	297	774
OMICRON V EVO 67.2 LN	6369	6785	828	307	346	932
OMICRON V EVO 70.2	6395	6811	837	312	345	926
OMICRON V EVO 70.2 LN	6498	6914	855	309	347	962
OMICRON V EVO 73.2	6676	7422	751	320	352	827
OMICRON V EVO 73.2 LN	6779	7525	764	315	352	855
OMICRON V EVO 80.2	6943	7689	799	318	348	876
OMICRON V EVO 80.2 LN	7042	7788	812	312	348	904
OMICRON V EVO 54.2 LT_	6270	6686	827	307	337	906
OMICRON V EVO 54.2 LT_LN	6371	6787	845	304	339	941
OMICRON V EVO 58.2 LT	6391	6807	856	308	337	935
OMICRON V EVO 58.2 LT_LN	6492	6908	873	305	339	971
OMICRON V EVO 61.2 LT	6439	6855	709	280	311	788
OMICRON V EVO 61.2 LT_LN	6533	6949	837	318	359	945
OMICRON V EVO 67.2 LT	6394	6810	704	281	310	778
OMICRON V EVO 67.2 LT_LN	6497	6913	717	276	310	806

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS
Fh	FORI DI FISSAGGIO FIXING HOLES
	Ø18

For HT version, the weight is greater than that given

### DIMENSIONAL DRAWING

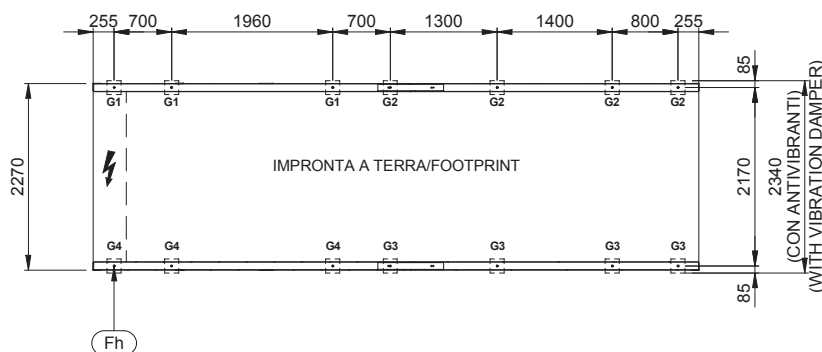
OMICRON V EVO /ST 61.2-80.2 ; OMICRON V EVO /ST /SLN 61.2-80.2 ; OMICRON V EVO /ST /LT 54.2-67.2



HWin	INGRESSO ACQUA CALDA HOT WATER INLET	HWout	USCITA ACQUA CALDA HOT WATER OUTLET
CWin	INGRESSO ACQUA FREDDA COLD WATER INLET	Pu	POMPA PUMP
CWout	USCITA ACQUA FREDDA COLD WATER OUTLET	Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
Mf	FILTRI METALLICI METALLIC FILTER	↔	FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET	▨	SPAZI DI INSTALLAZIONE CLEARANCES
		*	OPTIONAL

## DIMENSIONAL DRAWING

OMICRON V EVO /ST 61.2-80.2 ; OMICRON V EVO /ST /SLN 61.2-80.2 ; OMICRON V EVO /ST /LT 54.2-67.2



I pesi riportati in questo dimensionale sono stimati e si riferiscono alle unità in allestimento base senza alcun accessorio e vanno quindi considerati come indicativi.

*The weights shown in this drawing are estimated and refer to the basic unit without any accessory and should therefore be considered as indicative.*

MODELLO MODEL	PESO (kg) WEIGHT(kg)	PESO IN FUNZIONE (kg) OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
OMICRON V EVO 61.2 1P-2P	7648	8268	682	431	514	814
OMICRON V EVO 61.2 1P-2P LN	7935	8555	728	424	511	877
OMICRON V EVO 67.2 1P-2P	7735	8360	684	453	527	796
OMICRON V EVO 67.2 1P-2P LN	8025	8650	731	446	524	859
OMICRON V EVO 70.2 1P-2P	7853	8478	706	451	524	820
OMICRON V EVO 70.2 1P-2P LN	8145	8770	752	445	522	882
OMICRON V EVO 73.2 1P-2P	7849	8467	703	451	525	818
OMICRON V EVO 73.2 1P-2P LN	8137	8755	749	445	522	880
OMICRON V EVO 80.2 1P-2P	8363	8990	746	479	558	868
OMICRON V EVO 80.2 1P-2P LN	8657	9284	793	473	555	931
OMICRON V EVO 54.2 LT 1P-2P	7103	7487	643	387	446	742
OMICRON V EVO 54.2 LT 1P-2P LN	7398	7782	690	381	444	804
OMICRON V EVO 58.2 LT 1P-2P	7226	7610	665	386	444	765
OMICRON V EVO 58.2 LT 1P-2P LN	7516	7900	712	379	441	828
OMICRON V EVO 61.2 LT 1P-2P	7723	8343	685	438	522	816
OMICRON V EVO 61.2 LT 1P-2P LN	8014	8634	731	432	519	879
OMICRON V EVO 67.2 LT 1P-2P	7810	8435	687	460	535	798
OMICRON V EVO 67.2 LT 1P-2P LN	8098	8723	733	454	532	860

G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS	
Fh	FORI DI FISSAGGIO FIXING HOLES	Ø18

For HT version, the weight is greater than that given

## INSTALLATIONS RECOMMENDATIONS

### LOCATION

Strictly allow clearances as indicated in the catalogue.

Please check that there isn't any obstructions on the suction of the finned coil and on the discharge of the fans

Locate the unit in order to be compatible with environmental requirements (sound level, integration into the site, etc.).

### ELECTRICAL CONNECTIONS

Check the wiring diagram enclosed with the unit, in which are always present all the instructions necessary to the electrical connections.

Supply the unit at least 12 hours before start-up, in order to turn crankcase heaters on. Do not disconnect electrical supply during temporary stop periods (i.e. weekends).

Before opening the main switch, stop the unit by acting on the suitable running switches or, if lacking, on the remote control.

Before servicing the inner components, disconnect electrical supply by opening the main switch.

The electric supply line must be equipped with an automatic circuit breaker (to be provided by the installer).

### HYDRAULIC CONNECTIONS

Carefully vent the system, with pump turned off, by acting on the vent valves. This procedure is fundamental: little air bubbles can freeze the evaporator causing the general failure of the system.

Drain the system during seasonal stops (wintertime) or use proper mixtures with low freezing point. In case of temporary stop periods an electric heater should be installed on the evaporator and hydraulic circuit.

Install the hydraulic circuit including all the components indicated in the recommended hydraulic circuit diagrams (expansion vessel, flow switch, strainer, storage tank, vent valves, shut off valves, flexible connections, etc.).

Connect the flow switch, which is furnished on all units, not fitted. Follow the instructions enclosed with the units.

### START UP AND MAINTENANCE OPERATIONS

Strictly follow what reported in use and maintenance manual. All these operations must be carried on by trained personnel only.



