

# glider evo cla

GLIDER EVO CLA: for outdoor installation, equipped with screw compressors and axial fans  
 Q = 200 to 1513 kW



## glider rcgroup airconditioning



### MAIN FEATURES

- Air cooled liquid chiller.
- 26 models available, for a wide selection opportunity.
- Average step of 50kW.
- EER up to 3,39.
- ESEER up to 4,13.
- Twin-Screw compressors.
- R134a Refrigerant charge.
- Double refrigerant circuit.
- Shell and tube evaporator..
- AC Axial fans.
- Double air circuit.
- Electronic expansion valve.
- Suitable for outdoor installation.

### MAIN BENEFITS

- Availability of kit for the reduction and the extreme reduction of the noise.
- Availability of pumping groups.
- Availability of total or partial heat recovery system.
- Components dedicated to the safety of the unity.
- Suitable for outdoor installation.

### ELECTRONIC EXPANSION VALVE

The electronic expansion valves are synonymous of an higher energy efficiency.

### A CLASS ENERGY EFFICIENCY

The best and most accurate components applied to the chillers.

### WORKING LIMITS IN COOLING MODE

Operating temperature > 32°C  
 Operating pressure > 10 bar



MAIN COMPONENTS

FRAMEWORK

• Po s: sż wu.t o s o r. o szwu.w. ssz z s. w. sq ws. toqs. so s .w.q z q s. w.c W[W].G EOb[ P E o r. W]. 7253, and painted with epoxy powders.  
• Q z H O.G>

COMPRESSORS

• b w. q s. s w s s w q s . w.vwvz.st q w . q s . z s. and high peripheral speed, optimized for R134a refrigerant.  
• Wsu o sr. r wqvo us. qvsqy. o z s  
• T z us r; . w s o o  
• Wsu o sr. o t s . sz t. o z s. 6 s s s. w s. o z s 7  
• s z o s o p z. q o w u s. w z s  
• do z s . t . w z w u. o r. r w q v o u s  
• ] w w v. u z  
• Sz q w . sq w . r s w s. v o. w q z r s H  
- Electric motor thermal protection via internal winding temperature sensors.  
- Phase sequence electronic relay.  
- Sensor on refrigerant discharge for temperature monitoring,  
• ; z. A vo s. sz q w . w. o ; e w r w u. o w u. t . r s z G.  
V2 F06 to model 570 V2 F10 included.  
• ; z. A vo s. sz q w . w. a o . R s z o. o w u. t . r s z D > d . F10 to model 1510 V2 F24 included.  
• a s z . q o q w. q z C > >> 3. t . s o q v. q s  
• Q o y q o s. v s o s  
• b s w o z p . w. W C B. s q z s. q z  
• p p s .

EVAPORATOR

• a w u z. o . s. v s z o r. p s. s o o . : w w s r. t . A B o. s t w s o  
• b p s . w. o. v s z o z w s r. w s o z toqs  
• W s r w s. p o t s . w w s r. . s s . w . s s r. t v s. w o r. low pressure drops.  
• a w u z. q w w . o s. w s. o r. w r s s r s . q w w . : s t . s o q v. compressor, on refrigerant side.  
• a v s z v s o r s : . p s. v s s . : o r s. t q o p . s s z p s . w. Q  
• O w r s o s. w z o w . o r s. t z s v o s  
• b s o s s . . o s. w z o r. z  
• O w s s. v s o s  
• V r o z q q s q w . w. u s r. s r. o o u s r. t . s w z x w. 6 v s. s w z x w. o r. v s. o r o s . w s. o s . w o z o q s w 7.

CONDENSING COIL

• V s o. s q v o u s. q w w. v w v. s t q w q. o z w w . : s q w q o z. developed to provide high heat transfer and lower pressure drops. The q p w o w . t . t o q : s q w z p s. o r. : o z . . w o z. q p w s. v s. t z w u. o s q H  
- Maximum capacity relative to the size of the exchanger.  
- Minimum charge of refrigerant.  
• ; s r q w . t v s. o w . s w s r. t . v s. v s o. s q v o u s  
• T o s. w. u o z o w s r. s s z

FANS SECTION

• O w z t o . w. w y z; v o s r. p z r s : t o . u o r. o r. w w s r. t . z . w s. levels.  
• S s o z . O Q s. s z q w . w. s z . o w p z. s s r. t . condensing pressure control, with phase-cut electronic controller.  
• W C B. s q z s. q z

REFRIGERANT CIRCUIT

Q s . t . s o q v. s t w s o . q w q w H  
• Sz q w s o w . o z s. v o. o z . v w v. s t o q s. o r. s . s t q w q. v o y . . o. w s z. o r. o q q o s. s s . . q v o u s . w. temperature and pressure.  
• S s u. s s s . r z t . v s. s z q w s o w . o z s. . o z . v s. closure of the valve in the event of lack of power supply.  
• a w v. u z  
• T w s . r s . . z v w. z w s  
• a s w s. o z s . . z v w. z w s  
• a s w s. o z s . . q s . u o . r w q v o u s  
• R p z. o t s . o z s. 6 z . s. w. t q w 7 . v w v. o r. z . s s . w s. The system include two safety valves with manual changeover system.  
• s s . o r q s . w. w r w q o w . : q z o r. s q w . t q w . : . low and high refrigerant pressure and oil pressure.  
• V w v. s s . o t s . w q v. w. o o z s s  
• s s . u o u s . v w v. o r. z . s s  
• s t w s o . q w q w w. q s . p w u. w o w r s o s. w z o w . t v s. suction line.  
• z w q o w o . v s . t . s s . s . q s q w  
• A B o. s t w s o . q v o u s

ELECTRICAL PANEL

In accordance with EN60204-1 norms, suitable for outdoor installation, q z s. w H  
• [ o w. w q v. w. r . z q y. o t s  
• T s . t . s o q v. q s  
• [ o u s v s w w q v s . t . t o  
• T s . t . o s . . 6 w q v s r z r 7  
• Q o q . t . s o q v. z o r  
• Q s . o ; e w r w u. o w u. s . t . r s z G. d . T > D . r s z 570 V2 F10 included.  
• Q s . a o . R s z o. o w u. s . t . r s z D > d . T > . r s z 1510 V2 F24 included.  
• b o t s . t . o w o . q w w o r. w q s . z  
• o s z w. o q v w s. q z  
• s . z. B >> A C >

CONTROL SYSTEM

• [ Q ] [ . w q s . s . w. u o w q r w z o t . q z o r. w . t s o w u. o r. o z o . o . b v s. s . w q z r s H  
- Voltage free contact for remote general alarm.  
- Main components hour-meter.  
- Nonvolatile "Flash" memory for data storage.  
- Menu with protection password.  
- LAN connection.

HYDRAULIC CONNECTIONS OF HEAT EXCHANGERS

• V s o. s q v o u s . v s o r s r. v r o z q q s q w . W . F . f i. U. [ : . available up to a diameter of 3" included.  
• w s . v s o r s r. v r o z q q s q w . W . E . f i. : o o w p z. . . o. diameter of 3" included.  
• b v s. v r o z q q s q w . w. o u s. 6 T 7 o s . . z s r. w. q s . o u s  
• b v s. v r o z q q s q w . w. u s r. s r. o s . . z s r. w. s w z s. joint (optional accessory).



OPTIONAL ACCESSORIES

| GLIDER EVO CLA SIZE  | 660 V2 F12 | 700 V2 F12 | 760 V2 F14 | 830 V2 F14 | 870 V2 F14 | 920 V2 F14 | 980 V2 F16 | 1020 V2 F16 | 1090 V2 F18 | 1150 V2 F20 | 1280 V2 F20 |
|--|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| 739 - Pumping group (1 pump)   |            |            |            |            |            |            |            |             |             |             |             |
| 769 - Pumping group (1+1stby)  |            |            |            |            |            |            |            |             |             |             |             |
| 740 - Pumping group (2 pumps)  | -          | -          |            |            |            |            |            |             |             |             |             |
| 770 - Pumping group (2+1stby)  | -          | -          |            |            |            |            |            |             |             |             |             |
| 1004 - Antifreezing heater for pumping group                               |            |            |            |            |            |            |            |             |             |             |             |
| 118 - Kit brine A  |            |            |            |            |            |            |            |             |             |             |             |
| 119 - Kit brine B  |            |            |            |            |            |            |            |             |             |             |             |
| 79 - Electrical panel heating system                                       |            |            |            |            |            |            |            |             |             |             |             |
| 150 - LNO kit (noise reduction)  |            |            |            |            |            |            |            |             |             |             |             |
| 151 - ELN kit (extremely noise reduction)                                  |            |            |            |            |            |            |            |             |             |             |             |
| 170 - Spring antivibration holders (kit)                                   |            |            |            |            |            |            |            |             |             |             |             |
| 171 - Rubber antivibration holders (kit)                                   |            |            |            |            |            |            |            |             |             |             |             |
| 101 - EC fan   |            |            |            |            |            |            |            |             |             |             |             |
| 450 - Desuperheater  |            |            |            |            |            |            |            |             |             |             |             |
| 449 - Voltage free contact for partial heat recovery water pump activation |            |            |            |            |            |            |            |             |             |             |             |
| BC ;: >>3 .vso . sq s  |            |            |            |            |            |            |            |             |             |             |             |
| 454 - Voltage free contact for total heat recovery water pump activation   |            |            |            |            |            |            |            |             |             |             |             |
| Selection switch for operation mode for total heat recovery                |            |            |            |            |            |            |            |             |             |             |             |
| b ozvso . sq s . s w . w . or o s . ws . 6 z s . s7                        |            |            |            |            |            |            |            |             |             |             |             |
| b ozvso . sq s . s w . w . or o s . it . o us . q sq w                     | -          | -          | -          | -          | -          | -          | -          | -           | -           | -           | -           |
| AC ;: Q w . w . s ; ow sr .  | -          | -          | -          | -          | -          | -          | -          | -           | -           | -           | -           |
| Condensing coil in special execution                                       |            |            |            |            |            |            |            |             |             |             |             |
| 250 - Coils protection nets (kit)  |            |            |            |            |            |            |            |             |             |             |             |
| EA ;: aots . o s . . wqv   |            |            |            |            |            |            |            |             |             |             |             |
| O ozu . s s  |            |            |            |            |            |            |            |             |             |             |             |
| 650 - Compressor thermal relay   |            |            |            |            |            |            |            |             |             |             |             |
| 605 - Compr. power factor capacitor - 0,9                                  |            |            |            |            |            |            |            |             |             |             |             |
| Supply network control relay   |            |            |            |            |            |            |            |             |             |             |             |
| 83 - Compressor operation indicator  |            |            |            |            |            |            |            |             |             |             |             |
| 550 - Stop valve on compressor suction line                                |            |            |            |            |            |            |            |             |             |             |             |
| >>C ;: ] w . wqv   |            |            |            |            |            |            |            |             |             |             |             |
| 85 - Demand limit  |            |            |            |            |            |            |            |             |             |             |             |
| 88 - Analog set point compensation   |            |            |            |            |            |            |            |             |             |             |             |
| 919 - Clock card   |            |            |            |            |            |            |            |             |             |             |             |
| G A ;: Q ; Q . [ P ca X P ca . as wzp or                                   |            |            |            |            |            |            |            |             |             |             |             |
| 926 - LON Serial board   |            |            |            |            |            |            |            |             |             |             |             |
| GA ;: POQ s . S vs s ; ; a [ ; ; bQ W as wzp or                            |            |            |            |            |            |            |            |             |             |             |             |
| GA ;: POQ s . [ a b . as wzp or  |            |            |            |            |            |            |            |             |             |             |             |
| 934 - MP.COM expansion card  |            |            |            |            |            |            |            |             |             |             |             |
| 942 - Serial card for GSM Modem  |            |            |            |            |            |            |            |             |             |             |             |
| 943 - Data Logger  |            |            |            |            |            |            |            |             |             |             |             |
| Ambient temperature sensor   |            |            |            |            |            |            |            |             |             |             |             |
| 889 - Master plant SEQUENCER   |            |            |            |            |            |            |            |             |             |             |             |
| 962 - Kit modem GSM  |            |            |            |            |            |            |            |             |             |             |             |
| 957 - Plantwatch without modem   |            |            |            |            |            |            |            |             |             |             |             |
| 930 - Remote graphic terminal kit  |            |            |            |            |            |            |            |             |             |             |             |

. o w p z . o q q s l . - not available accessory

OPTIONAL ACCESSORIES

| GLIDER EVO CLA<br>SIZE   | 1350 V2<br>F20 | 1430 V2<br>F20 | 1470 V2<br>F22 | 1510 V2<br>F24 |
|--|----------------|----------------|----------------|----------------|
| 739 - Pumping group (1 pump)   | -              | -              | -              | -              |
| 769 - Pumping group (1+1stby)  | -              | -              | -              | -              |
| 740 - Pumping group (2 pumps)  | -              | -              | -              | -              |
| 770 - Pumping group (2+1stby)  | -              | -              | -              | -              |
| 1004 - Antifreezing heater for pumping group                               | -              | -              | -              | -              |
| 118 - Kit brine A  | -              | -              | -              | -              |
| 119 - Kit brine B  | -              | -              | -              | -              |
| 79 - Electrical panel heating system                                       | -              | -              | -              | -              |
| 150 - LNO kit (noise reduction)  | -              | -              | -              | -              |
| 151 - ELN kit (extremely noise reduction)                                  | -              | -              | -              | -              |
| 170 - Spring antivibration holders (kit)                                   | -              | -              | -              | -              |
| 171 - Rubber antivibration holders (kit)                                   | -              | -              | -              | -              |
| 101 - EC fan   | -              | -              | -              | -              |
| S o o . s w s . x w . w . o r o s . w s . 6 z s . s 7                      | -              | -              | -              | -              |
| S o o . s w s . x w . w . o r o s . i . o u s . q s q w                    | -              | -              | -              | -              |
| 450 - Desuperheater  | -              | -              | -              | -              |
| 449 - Voltage free contact for partial heat recovery water pump activation | -              | -              | -              | -              |
| BC .; . >>3 . v s o . s q s  | -              | -              | -              | -              |
| 454 - Voltage free contact for total heat recovery water pump activation   | -              | -              | -              | -              |
| Selection switch for operation mode for total heat recovery                | -              | -              | -              | -              |
| b o z v s o . s q s . s w s . x w . w . o r o s . w s . 6 z s . s 7        | -              | -              | -              | -              |
| b o z v s o . s q s . s w s . x w . w . o r o s . i . o u s . q s q w      | -              | -              | -              | -              |
| AC .; . Q w . w . s ; o w s r .  | -              | -              | -              | -              |
| Condensing coil in special execution                                       | -              | -              | -              | -              |
| 250 - Coils protection nets (kit)  | -              | -              | -              | -              |
| EA .; . a o t s . o s . . w q v  | -              | -              | -              | -              |
| O o z u . s s  | -              | -              | -              | -              |
| 650 - Compressor thermal relay   | -              | -              | -              | -              |
| 605 - Compr. power factor capacitor - 0,9                                  | -              | -              | -              | -              |
| Supply network control relay   | -              | -              | -              | -              |
| 83 - Compressor operation indicator  | -              | -              | -              | -              |
| 550 - Stop valve on compressor suction line                                | -              | -              | -              | -              |
| >>C .; .] w . w q v  | -              | -              | -              | -              |
| 85 - Demand limit  | -              | -              | -              | -              |
| 88 - Analog set point compensation   | -              | -              | -              | -              |
| 919 - Clock card   | -              | -              | -              | -              |
| G A .; . Q ; Q . [ P c a X P c a . a s w z p o r                           | -              | -              | -              | -              |
| 926 - LON Serial board   | -              | -              | -              | -              |
| G A .; . P O Q s . S v s s . ; a [ . ; . b Q W . a s w z p o r             | -              | -              | -              | -              |
| G A .; . P O Q s . [ a b . a s w z p o r                                   | -              | -              | -              | -              |
| 934 - MP.COM expansion card  | -              | -              | -              | -              |
| 942 - Serial card for GSM Modem  | -              | -              | -              | -              |
| 943 - Data Logger  | -              | -              | -              | -              |
| Ambient temperature sensor   | -              | -              | -              | -              |
| 889 - Master plant SEQUENCER   | -              | -              | -              | -              |
| 962 - Kit modem GSM  | -              | -              | -              | -              |
| 957 - Plantwatch without modem   | -              | -              | -              | -              |
| 930 - Remote graphic terminal kit  | -              | -              | -              | -              |

.o o w p z . o q q s l . - not available accessory

TECHNICAL DATA GLIDER EVO

| GLIDER EVO CLA SIZE          |  | 290 V2 F06 | 300 V2 F06 | 320 V2 F08 | 340 V2 F08 | 360 V2 F08 | 400 V2 F08 | 450 V2 F10 | 480 V2 F10 |            |
|------------------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| STANDARD                     | Cooling capacity (1)                         | kW         | 284        | 300        | 320        | 340        | 358        | 399        | 446        | 472        |
|                              | Unit power input                             | kW         | 88,8       | 95,2       | 100,9      | 107,9      | 113,3      | 125,9      | 142,0      | 149,4      |
|                              | So o . os . . os                             | v          | 48,8       | 51,5       | 54,9       | 58,5       | 61,5       | 68,5       | 76,6       | 81,1       |
|                              | Evaporator pressure drop                     | kPa        | 30         | 17         | 19         | 21         | 17         | 13         | 17         | 17         |
|                              | Compressors                                  |            | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw |
|                              | Quantity                                     | n.         | 2          | 2          | 2          | 2          | 2          | 2          | 2          | 2          |
|                              | Capacity control                             | 3          | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    |
|                              | Axial fans                                   | n.         | 6          | 6          | 7          | 8          | 8          | 8          | 10         | 10         |
|                              | b ozow                                       | v          | 131388     | 127614     | 153286     | 175184     | 170152     | 170152     | 212690     | 212690     |
|                              | Air circuits                                 | n.         | 2          | 2          | 2          | 2          | 2          | 2          | 2          | 2          |
|                              | Refrigerant                                  |            | R134a      | R134a      | R134a      | R134a      | R134a      | R134a      | R134a      | R134a      |
|                              | Total refrigerant charge (optional excluded) | kg         | 74         | 74         | 96         | 96         | 96         | 145        | 120        | 181        |
|                              | Gas circuits                                 | n.         | 2          | 2          | 2          | 2          | 2          | 2          | 2          | 2          |
|                              | Power supply                                 | d v V      | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    |
|                              | Max unit operating current (FLA)             | A          | 186,8      | 202,6      | 217,8      | 233,0      | 236,2      | 266,8      | 308,6      | 327,2      |
|                              | Unit starting current (LRA)                  | A          | 374,1      | 380,0      | 419,9      | 435,1      | 413,7      | 500,0      | 668,8      | 678,1      |
|                              | EER (1)                                      | ye ye      | 3,20       | 3,15       | 3,17       | 3,15       | 3,16       | 3,17       | 3,14       | 3,16       |
|                              | ESEER  |            | 3,26       | 3,76       | 4,13       | 4,13       | 4,06       | 3,79       | 3,73       | 3,77       |
|                              | a r . s . szi k6 7                           | dB(A)      | 92,0       | 92,5       | 92,7       | 92,9       | 91,5       | 91,9       | 92,1       | 96,2       |
|                              | O s ous . r . s s . szi k6A7                 | dB(A)      | 72,3       | 72,8       | 72,5       | 72,7       | 71,3       | 71,7       | 71,4       | 75,5       |
| Net weight                   | kg   | 3738       | 4109       | 4515       | 4520       | 4697       | 4902       | 5428       | 5662       |            |
| Hydraulic connections        |  |            |            |            |            |            |            |            |            |            |
| So o . W] cb.;] R.Ø7         | Ø mm   | 141,3      | 141,3      | 141,3      | 141,3      | 168,3      | 168,3      | 168,3      | 168,3      |            |
| OPTIONAL                     | Partial heat recovery (5)                    |            |            |            |            |            |            |            |            |            |
|                              | Heating capacity                             | kW         | 56,4       | 59,7       | 65,6       | 67,7       | 72,9       | 79,4       | 88,8       | 93,9       |
|                              | Total heat recovery (6)                      |            |            |            |            |            |            |            |            |            |
| Heating capacity             | kW   | 348        | 380        | 404        | 428        | 453        | 507        | 565        | 598        |            |
| Pumping group - Power input  | kW   | 5,5        | 5,5        | 5,5        | 5,5        | 5,5        | 5,5        | 5,5        | 5,5        |            |
| LNO KIT 100%                 | Cooling capacity (1)                         | kW         | 284        | 300        | 320        | 340        | 358        | 399        | 446        | 472        |
|                              | Unit power input                             | kW         | 88,8       | 95,2       | 100,9      | 107,9      | 113,3      | 125,9      | 142,0      | 149,4      |
|                              | b ozow                                       | v          | 131388     | 127614     | 153286     | 175184     | 170152     | 170152     | 212690     | 212690     |
|                              | EER (1)                                      | ye ye      | 3,20       | 3,15       | 3,17       | 3,15       | 3,16       | 3,17       | 3,14       | 3,16       |
|                              | a r . s . szi k6 7                           | dB(A)      | 90,0       | 90,5       | 90,7       | 90,9       | 89,5       | 89,9       | 90,1       | 94,2       |
| O s ous . r . s s . szi k6A7 | dB(A)  | 70,3       | 70,8       | 70,5       | 70,7       | 69,3       | 69,7       | 69,4       | 73,5       |            |
| LNO KIT 85%                  | Cooling capacity (1)                         | kW         | 279        | 296        | 316        | 337        | 355        | 395        | 442        | 468        |
|                              | Unit power input                             | kW         | 88,6       | 96,4       | 101,3      | 107,7      | 113,8      | 127,4      | 142,1      | 150,0      |
|                              | b ozow                                       | v          | 111680     | 108472     | 130293     | 148906     | 144629     | 144629     | 180787     | 180787     |
|                              | EER (1)                                      | ye ye      | 3,15       | 3,07       | 3,12       | 3,13       | 3,12       | 3,10       | 3,11       | 3,12       |
|                              | a r . s . szi k6 7                           | dB(A)      | 89,0       | 89,5       | 89,7       | 89,9       | 88,5       | 88,9       | 89,1       | 93,2       |
| O s ous . r . s s . szi k6A7 | dB(A)  | 69,3       | 69,8       | 69,5       | 69,7       | 68,3       | 68,7       | 68,4       | 72,5       |            |
| LNO KIT 70%                  | Cooling capacity (1)                         | kW         | 273        | 290        | 311        | 332        | 350        | 388        | 436        | 461        |
|                              | Unit power input                             | kW         | 88,9       | 99,0       | 103,0      | 108,9      | 115,1      | 130,2      | 143,9      | 152,1      |
|                              | b ozow                                       | v          | 91972      | 89330      | 107300     | 122629     | 119106     | 119106     | 148883     | 148883     |
|                              | EER (1)                                      | ye ye      | 3,07       | 2,93       | 3,02       | 3,05       | 3,04       | 2,98       | 3,03       | 3,03       |
|                              | a r . s . szi k6 7                           | dB(A)      | 86,0       | 86,5       | 86,7       | 86,9       | 85,5       | 85,9       | 86,1       | 90,2       |
| O s ous . r . s s . szi k6A7 | dB(A)  | 66,3       | 66,8       | 66,5       | 66,7       | 65,3       | 65,7       | 65,4       | 69,5       |            |
| ELN KIT                      | Cooling capacity (1)                         | kW         | 273        | 290        | 311        | 332        | 350        | 388        | 436        | 461        |
|                              | Unit power input                             | kW         | 88,9       | 99,0       | 103,0      | 108,9      | 115,1      | 130,2      | 143,9      | 152,1      |
|                              | b ozow                                       | v          | 91972      | 89330      | 107300     | 122629     | 119106     | 119106     | 148883     | 148883     |
|                              | EER (1)                                      | ye ye      | 3,07       | 2,93       | 3,02       | 3,05       | 3,04       | 2,98       | 3,03       | 3,03       |
|                              | a r . s . szi k6 7                           | dB(A)      | 83,0       | 83,5       | 83,7       | 83,9       | 82,5       | 82,9       | 83,1       | 87,2       |
| O s ous . r . s s . szi k6A7 | dB(A)  | 63,3       | 63,8       | 63,5       | 63,7       | 62,3       | 62,7       | 62,4       | 66,5       |            |

.... sts sr . qvwsr . os . s so s . E Q o r . AC Q o p w . ows so s . oq r wu . S s . or or  
 .... a r . s . szi koq r wu . W] . S . Ø B . fi.  
 3. ... Average sound pressure level [L<sub>Pmk</sub>] . to . oq r wu . W] . S . AEBB  
 B.... V r o z q sq w . wu . sr . s r . bvs . s w s . x w . wo . w oz o q s  
 C.... sts sr . qvwsr . os . s so s . E Q l . AC Q o p w . ows so s l v . os . s so s . B > BC Q  
 D.... sts sr . qvwsr . os . s so s . E Q l v . os . s so s . B > BC Q



TECHNICAL DATA GLIDER EVO

| GLIDER EVO CLA SIZE         |  | 520 V2 F10                | 570 V2 F10 | 620 V2 F10 | 660 V2 F12 | 700 V2 F12 | 760 V2 F14 | 830 V2 F14 | 870 V2 F14 |            |
|-----------------------------|--|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| STANDARD                    | Cooling capacity (1)                         | kW                        | 518        | 566        | 615        | 656        | 696        | 762        | 828        | 873        |
|                             | Unit power input                             | kW                        | 164,4      | 179,7      | 192,8      | 205,6      | 220,3      | 240,4      | 261,2      | 277,1      |
|                             | Evaporator pressure drop                     | kPa                       | 89         | 97,1       | 106        | 113        | 120        | 131        | 142        | 150        |
|                             | Compressors                                  |                           | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw | twin-screw |
|                             | Quantity                                     | n.                        | 2          | 2          | 2          | 2          | 2          | 2          | 2          | 2          |
|                             | Capacity control                             | 3                         | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    | C . >>3    |
|                             | Axial fans                                   | n.                        | 10         | 10         | 10         | 11         | 12         | 13         | 14         | 14         |
|                             | Refrigerant                                  |                           | R134a      | R134a      | R134a      | R134a      | R134a      | R134a      | R134a      | R134a      |
|                             | Total refrigerant charge (optional excluded) | kg                        | 181        | 181        | 181        | 217        | 217        | 252        | 252        | 295        |
|                             | Power supply                                 | d v V                     | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    | B>> AC>    |
|                             | Max unit operating current (FLA)             | A                         | 348,3      | 369,4      | 405,8      | 433,3      | 460,8      | 494,8      | 528,8      | 559,6      |
|                             | Unit starting current (LRA)                  | A                         | 829,1      | 850,2      | 583,4      | 610,9      | 614,8      | 648,8      | 665,7      | 744,7      |
|                             | EER (1)                                      | ye ye                     | 3,15       | 3,15       | 3,19       | 3,19       | 3,16       | 3,17       | 3,17       | 3,15       |
|                             | ESEER  |                           | 3,76       | 3,77       | 3,76       | 3,82       | 3,76       | 3,74       | 3,74       | 3,72       |
|                             | Sound power level (k67)                      | dB(A)                     | 96,4       | 96,7       | 96,7       | 99,3       | 100,4      | 101,1      | 101,7      | 101,6      |
|                             | Sound pressure level (k6A7)                  | dB(A)                     | 75,8       | 76,0       | 76,0       | 78,2       | 79,4       | 79,7       | 80,3       | 80,1       |
|                             | Net weight                                   | kg                        | 5999       | 6121       | 6112       | 6733       | 6743       | 7404       | 8139       | 8341,5     |
|                             | Hydraulic connections                        |                           |            |            |            |            |            |            |            |            |
|                             | Water connection                             | Ø mm                      | 168,3      | 168,3      | 168,3      | 219,1      | 219,1      | 219,1      | 219,1      | 219,1      |
|                             | OPTIONAL                                     | Partial heat recovery (5) |            |            |            |            |            |            |            |            |
| Heating capacity            |  | kW                        | 103,0      | 112,0      | 122,0      | 130,0      | 138,0      | 151,0      | 164,0      | 173,0      |
| Total heat recovery (6)     |  |                           |            |            |            |            |            |            |            |            |
| Heating capacity            | kW   | 659                       | 720        | 782        | 836        | 887        | 971        | 1053       | 1115       |            |
| Pumping group - Power input | kW   | 5,5                       | 5,5        | 5,5        | 5,5        | 5,5        | 11,0       | 11,0       | 11,0       |            |
| LNO KIT 100%                | Cooling capacity (1)                         | kW                        | 518        | 566        | 615        | 656        | 696        | 762        | 828        | 873        |
|                             | Unit power input                             | kW                        | 164,4      | 179,7      | 192,8      | 205,6      | 220,3      | 240,4      | 261,2      | 277,1      |
|                             | Evaporator pressure drop                     | kPa                       | 89         | 97,1       | 106        | 113        | 120        | 131        | 142        | 150        |
|                             | EER (1)                                      | ye ye                     | 3,15       | 3,15       | 3,19       | 3,19       | 3,16       | 3,17       | 3,17       | 3,15       |
|                             | Sound power level (k67)                      | dB(A)                     | 94,4       | 94,7       | 94,7       | 97,3       | 98,4       | 99,1       | 99,7       | 99,6       |
| Sound pressure level (k6A7) | dB(A)  | 73,8                      | 74,0       | 74,0       | 76,2       | 77,4       | 77,7       | 78,3       | 78,1       |            |
| LNO KIT 85%                 | Cooling capacity (1)                         | kW                        | 513        | 557        | 606        | 645        | 686        | 751        | 815        | 859        |
|                             | Unit power input                             | kW                        | 165,0      | 181,4      | 196,1      | 209,4      | 222,7      | 244,6      | 264,6      | 280,7      |
|                             | Evaporator pressure drop                     | kPa                       | 180787     | 180787     | 180787     | 207658     | 223360     | 241973     | 260586     | 256844     |
|                             | EER (1)                                      | ye ye                     | 3,11       | 3,07       | 3,09       | 3,08       | 3,08       | 3,07       | 3,08       | 3,06       |
|                             | Sound power level (k67)                      | dB(A)                     | 93,4       | 93,7       | 93,7       | 96,3       | 97,4       | 98,1       | 98,7       | 98,6       |
| Sound pressure level (k6A7) | dB(A)  | 72,8                      | 73,0       | 73,0       | 75,2       | 76,4       | 76,7       | 77,3       | 77,1       |            |
| LNO KIT 70%                 | Cooling capacity (1)                         | kW                        | 506        | 545        | 591        | 629        | 670        | 733        | 796        | 837        |
|                             | Unit power input                             | kW                        | 168,1      | 186,6      | 201,7      | 214,7      | 228,7      | 250,2      | 271,7      | 290,6      |
|                             | Evaporator pressure drop                     | kPa                       | 148883     | 148883     | 148883     | 171012     | 183943     | 199272     | 214600     | 211518     |
|                             | EER (1)                                      | ye ye                     | 3,01       | 2,92       | 2,93       | 2,93       | 2,93       | 2,93       | 2,93       | 2,88       |
|                             | Sound power level (k67)                      | dB(A)                     | 90,4       | 90,7       | 90,7       | 93,3       | 94,4       | 95,1       | 95,7       | 95,6       |
| Sound pressure level (k6A7) | dB(A)  | 69,8                      | 70,0       | 70,0       | 72,2       | 73,4       | 73,7       | 74,3       | 74,1       |            |
| ELN KIT                     | Cooling capacity (1)                         | kW                        | 506        | 545        | 591        | 629        | 670        | 733        | 796        | 837        |
|                             | Unit power input                             | kW                        | 168,1      | 186,6      | 201,7      | 214,7      | 228,7      | 250,2      | 271,7      | 290,6      |
|                             | Evaporator pressure drop                     | kPa                       | 148883     | 148883     | 148883     | 171012     | 183943     | 199272     | 214600     | 211518     |
|                             | EER (1)                                      | ye ye                     | 3,01       | 2,92       | 2,93       | 2,93       | 2,93       | 2,93       | 2,93       | 2,88       |
|                             | Sound power level (k67)                      | dB(A)                     | 87,4       | 87,7       | 87,7       | 90,3       | 91,4       | 92,1       | 92,7       | 92,6       |
| Sound pressure level (k6A7) | dB(A)  | 66,8                      | 67,0       | 67,0       | 69,2       | 70,4       | 70,7       | 71,3       | 71,1       |            |

... sts sr. qvzsr. os.s so s. EQo r.AC Qo pw .ows so soqq rwu. .S s. oror  
 ... a r. s.szi koqq rwu. .W] .S .GD B.fi.  
 3. Average sound pressure level [L<sub>pmk</sub>] to .oqq rwu. .W] .S .AEBB  
 B... V r o z q sq w. w.u sr.s r.bvs. s w.z.x.w.w.o. w ozoqqs  
 C.... sts sr. qvzsr. os.s so s. E Ql.AC Qo pw .ows so slv. os.s so s.B>BC Q  
 D.... sts sr. qvzsr. os.s so s. E Ql.v . os.s so s.B>BC Q

TECHNICAL DATA GLIDER EVO

| GLIDER EVO CLA SIZE                                    |  | 920 V2 F14 | 980 V2 F16 | 1020 V2 F16 | 1090 V2 F18 | 1150 V2 F20 | 1280 V2 F20 | 1350 V2 F20 | 1430 V2 F20 |            |
|--|--|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| STANDARD   | Cooling capacity (1)                                   | kW         | 919        | 977         | 1024        | 1083        | 1154        | 1279        | 1355        | 1433       |
|  | Unit power input                                       | kW         | 290,8      | 306,3       | 320,0       | 341,6       | 364,0       | 398,4       | 426,1       | 452,1      |
|  | Sound power level [L <sub>WA</sub> ]                   | v          | 158        | 168         | 176         | 186         | 198         | 220         | 233         | 246        |
|  | Evaporator pressure drop                               | kPa        | 61         | 68          | 76          | 71          | 79          | 54          | 41          | 44         |
|  | Compressors  |            | twin-screw | twin-screw  | twin-screw  | twin-screw  | twin-screw  | twin-screw  | twin-screw  | twin-screw |
|  | Quantity   | n.         | 2          | 2           | 2           | 2           | 2           | 2           | 2           | 2          |
|  | Capacity control                                       | 3          | C...>>3    | C...>>3     | C...>>3     | C...>>3     | C...>>3     | C...>>3     | C...>>3     | C...>>3    |
|  | Axial fans   | n.         | 14         | 16          | 16          | 18          | 20          | 20          | 20          | 20         |
|  | b ozow   | v          | 297766     | 350368      | 350368      | 401014      | 451660      | 437960      | 431670      | 425380     |
|  | Air circuits   | n.         | 2          | 2           | 2           | 2           | 2           | 2           | 2           | 2          |
|  | Refrigerant  |            | R134a      | R134a       | R134a       | R134a       | R134a       | R134a       | R134a       | R134a      |
|  | Total refrigerant charge (optional excluded)           | kg         | 337        | 290         | 290         | 326         | 362         | 362         | 412         | 462        |
|  | Gas circuits   | n.         | 2          | 2           | 2           | 2           | 2           | 2           | 2           | 2          |
|  | Power supply   | d v V      | B>> AC>    | B>> AC>     | B>> AC>     | B>> AC>     | B>> AC>     | B>> AC>     | B>> AC>     | B>> AC>    |
|  | Max unit operating current (FLA)                       | A          | 590,4      | 629,8       | 677,8       | 732,7       | 787,6       | 875,6       | 924,8       | 974        |
|  | Unit starting current (LRA)                            | A          | 775,5      | 889,1       | 965,1       | 1080,9      | 1135,8      | 1259,8      | 1352,8      | 1402       |
|  | EER (1)  | ye ye      | 3,16       | 3,19        | 3,20        | 3,17        | 3,17        | 3,21        | 3,18        | 3,17       |
|  | ESEER  |            | 3,71       | 3,72        | 3,74        | 3,74        | 3,72        | 3,80        | 3,83        | 3,81       |
|  | air sound power level [L <sub>WA</sub> ] k67           | dB(A)      | 101,4      | 99,9        | 99,9        | 101,7       | 103,9       | 103,9       | 104,1       | 104,2      |
|  | Operating sound pressure level [L <sub>pA</sub> ] k6A7 | dB(A)      | 80,0       | 78,1        | 78,1        | 79,5        | 81,5        | 81,5        | 81,7        | 81,8       |
| Net weight   | kg   | 8544       | 9195       | 9318        | 10274       | 11180       | 11362       | 11972       | 12292       |            |
| Hydraulic connections                                  |  |            |            |             |             |             |             |             |             |            |
| Sound power level [L <sub>WA</sub> ] R.Ø7              | Ø mm   | 219,1      | 219,1      | 273         | 273         | 273         | 273         | 323,9       | 323,9       |            |
| OPTIONAL   | Partial heat recovery (5)                              |            |            |             |             |             |             |             |             |            |
|  | Heating capacity                                       | kW         | 182,0      | 194,0       | 203,0       | 216,0       | 228,0       | 254,0       | 269,0       | 285,0      |
|  | Total heat recovery (6)                                |            |            |             |             |             |             |             |             |            |
| Heating capacity                                       | kW   | 1176       | 1244       | 1306        | 1386        | 1466        | 1630        | 1735        | 1843        |            |
| Pumping group - Power input                            | kW   | 11,0       | 11,0       | 11,0        | 11,0        | 11,0        | 11,0        | 11,0        | 11,0        |            |
| LNO KIT 100%   | Cooling capacity (1)                                   | kW         | 919        | 977         | 1024        | 1083        | 1154        | 1279        | 1355        | 1433       |
|  | Unit power input                                       | kW         | 290,8      | 306,3       | 320,0       | 341,6       | 364,0       | 398,4       | 426,1       | 452,1      |
|  | b ozow   | v          | 297766     | 350368      | 350368      | 401014      | 451660      | 437960      | 431670      | 425380     |
|  | EER (1)  | ye ye      | 3,16       | 3,19        | 3,2         | 3,17        | 3,17        | 3,21        | 3,18        | 3,17       |
| air sound power level [L <sub>WA</sub> ] k67           | dB(A)  | 99,4       | 97,9       | 97,9        | 99,7        | 101,9       | 101,9       | 102,1       | 102,2       |            |
| Operating sound pressure level [L <sub>pA</sub> ] k6A7 | dB(A)  | 78,0       | 76,1       | 76,1        | 77,5        | 79,5        | 79,5        | 79,7        | 79,8        |            |
| LNO KIT 85%  | Cooling capacity (1)                                   | kW         | 903        | 962         | 1008        | 1066        | 1136        | 1257        | 1330        | 1405       |
|  | Unit power input                                       | kW         | 297,0      | 311,3       | 325,2       | 346,1       | 367,6       | 405,5       | 434,6       | 462,2      |
|  | b ozow   | v          | 253101     | 297813      | 297813      | 340862      | 383911      | 372266      | 366920      | 361573     |
|  | EER (1)  | ye ye      | 3,04       | 3,09        | 3,10        | 3,08        | 3,09        | 3,10        | 3,06        | 3,04       |
| air sound power level [L <sub>WA</sub> ] k67           | dB(A)  | 98,4       | 96,9       | 96,9        | 98,7        | 100,9       | 100,9       | 101,1       | 101,2       |            |
| Operating sound pressure level [L <sub>pA</sub> ] k6A7 | dB(A)  | 77,0       | 75,1       | 75,1        | 76,5        | 78,5        | 78,5        | 78,7        | 78,8        |            |
| LNO KIT 70%  | Cooling capacity (1)                                   | kW         | 879        | 940         | 985         | 1040        | 1109        | 1225        | 1292        | 1363       |
|  | Unit power input                                       | kW         | 307,3      | 319,7       | 336,2       | 356,2       | 377,2       | 418,1       | 450,2       | 481,6      |
|  | b ozow   | v          | 208436     | 245258      | 245258      | 280710      | 316162      | 306572      | 302169      | 297766     |
|  | EER (1)  | ye ye      | 2,86       | 2,94        | 2,93        | 2,92        | 2,94        | 2,93        | 2,87        | 2,83       |
| air sound power level [L <sub>WA</sub> ] k67           | dB(A)  | 95,4       | 93,9       | 93,9        | 95,7        | 97,9        | 97,9        | 98,1        | 98,2        |            |
| Operating sound pressure level [L <sub>pA</sub> ] k6A7 | dB(A)  | 74,0       | 72,1       | 72,1        | 73,5        | 75,5        | 75,5        | 75,7        | 75,8        |            |
| ELN KIT  | Cooling capacity (1)                                   | kW         | 879        | 940         | 985         | 1040        | 1109        | 1225        | 1292        | 1363       |
|  | Unit power input                                       | kW         | 307,3      | 319,7       | 336,2       | 356,2       | 377,2       | 418,1       | 450,2       | 481,6      |
|  | b ozow   | v          | 208436     | 245258      | 245258      | 280710      | 316162      | 306572      | 302169      | 297766     |
|  | EER (1)  | ye ye      | 2,86       | 2,94        | 2,93        | 2,92        | 2,94        | 2,93        | 2,87        | 2,83       |
| air sound power level [L <sub>WA</sub> ] k67           | dB(A)  | 92,4       | 90,9       | 90,9        | 92,7        | 94,9        | 94,9        | 95,1        | 95,2        |            |
| Operating sound pressure level [L <sub>pA</sub> ] k6A7 | dB(A)  | 71,0       | 69,1       | 69,1        | 70,5        | 72,5        | 72,5        | 72,7        | 72,8        |            |

... sts sr. qvwsr. os.s so s. EQor.AC Qo pww.ows so soqq rwu. S s. oror  
 ... a r. s.s szi koqq rwu. W] S. Ø B.fi.  
 3. Average sound pressure level [L<sub>pA</sub>] k67  
 B... V r o z q sqw. w.wu sr.s r.bvs. s w.s.x.w.w.o. w ozogqs  
 C..... sts sr. qvwsr. os.s so s. E QI.AC Qo pww.ows so slv. os.s so s.B>BC Q  
 D..... sts sr. qvwsr. os.s so s. E QI.v. os.s so s.B>BC Q



TECHNICAL DATA GLIDER EVO

| GLIDER EVO CLA SIZE         |  | 1470 V2 F22 | 1510 V2 F24 |            |
|-----------------------------|--|-------------|-------------|------------|
| STANDARD                    | Cooling capacity (1)                         | kW          | 1471        | 1513       |
|                             | Unit power input                             | kW          | 449,8       | 446,3      |
|                             | Superheating                                 | v           | 253         | 260        |
|                             | Evaporator pressure drop                     | kPa         | 35          | 35         |
|                             | Compressors                                  |             | twin-screw  | twin-screw |
|                             | Quantity                                     | n.          | 2           | 2          |
|                             | Capacity control                             | 3           | C . >>3     | C . >>3    |
|                             | Axial fans                                   | n.          | 22          | 24         |
|                             | Flow rate                                    | v           | 467918      | 510456     |
|                             | Air circuits                                 | n.          | 2           | 2          |
|                             | Refrigerant                                  |             | R134a       | R134a      |
|                             | Total refrigerant charge (optional excluded) | kg          | 530         | 578        |
|                             | Gas circuits                                 | n.          | 2           | 2          |
|                             | Power supply                                 | d v V       | B>> AC>     | B>> AC>    |
|                             | Max unit operating current (FLA)             | A           | 981,8       | 989,6      |
|                             | Unit starting current (LRA)                  | A           | 1409,8      | 1417,6     |
|                             | EER (1)                                      | ye ye       | 3,27        | 3,39       |
|                             | ESEER  |             | 3,92        | 4,03       |
|                             | Sound power level (k67)                      | dB(A)       | 104,2       | 104,2      |
|                             | Sound pressure level (k67)                   | dB(A)       | 81,6        | 81,3       |
| Net weight                  | kg   | 12931       | 13090       |            |
| Hydraulic connections       |  |             |             |            |
| Superheating [R.Ø7]         | Ø mm   | 323,9       | 323,9       |            |
| OPTIONAL                    | Partial heat recovery (5)                    |             |             |            |
|                             | Heating capacity                             | kW          | 292,0       | 301,0      |
|                             | Total heat recovery (6)                      |             |             |            |
|                             | Heating capacity                             | kW          | 1869        | 1896       |
| Pumping group - Power input | kW   | 11,0        | 11,0        |            |
| LNO KIT 100%                | Cooling capacity (1)                         | kW          | 1471        | 1513       |
|                             | Unit power input                             | kW          | 449,8       | 446,3      |
|                             | Flow rate                                    | v           | 467918      | 510456     |
|                             | EER (1)                                      | ye ye       | 3,27        | 3,39       |
| Sound power level (k67)     | dB(A)  | 102,2       | 102,2       |            |
| Sound pressure level (k67)  | dB(A)  | 79,6        | 79,3        |            |
| LNO KIT 85%                 | Cooling capacity (1)                         | kW          | 1444        | 1488       |
|                             | Unit power input                             | kW          | 458,4       | 453,7      |
|                             | Flow rate                                    | v           | 397730      | 433888     |
|                             | EER (1)                                      | ye ye       | 3,15        | 3,28       |
| Sound power level (k67)     | dB(A)  | 101,2       | 101,2       |            |
| Sound pressure level (k67)  | dB(A)  | 78,6        | 78,3        |            |
| LNO KIT 70%                 | Cooling capacity (1)                         | kW          | 1404        | 1452       |
|                             | Unit power input                             | kW          | 474,3       | 465,4      |
|                             | Flow rate                                    | v           | 327543      | 357319     |
|                             | EER (1)                                      | ye ye       | 2,96        | 3,12       |
| Sound power level (k67)     | dB(A)  | 98,2        | 98,2        |            |
| Sound pressure level (k67)  | dB(A)  | 75,6        | 75,3        |            |
| ELN KIT                     | Cooling capacity (1)                         | kW          | 1404        | 1452       |
|                             | Unit power input                             | kW          | 474,3       | 465,4      |
|                             | Flow rate                                    | v           | 327543      | 357319     |
|                             | EER (1)                                      | ye ye       | 2,96        | 3,12       |
| Sound power level (k67)     | dB(A)  | 95,2        | 95,2        |            |
| Sound pressure level (k67)  | dB(A)  | 72,6        | 72,3        |            |

... sts sr. qvwsr. os.s so s. EQo r.AC Qo pw .ows so soqq r.wu. S s . or or  
 ... a r. s.s szi koqq r.wu. W] .S .Ø B.fi.  
 3. Average sound pressure level [L<sub>Pmk</sub> .to .oqq r.wu. W] .S .AEBB  
 B. V r o z q sqw . w.u sr.s r.bvs. s w z.x w.w.o . w ozoqqs  
 C. sts sr. qvwsr. os.s so s. E Ql.AC Qo pw .ows so sl.v . os.s so s.B>BC Q  
 D. sts sr. qvwsr. os.s so s. E Ql.v . os.s so s.B>BC Q

