

### SCREWLine<sup>3</sup>

**Water chiller**  
 Air cooled  
 Outdoor installation  
**Capacity from 484 to 1423 kW**

HYDRONIC

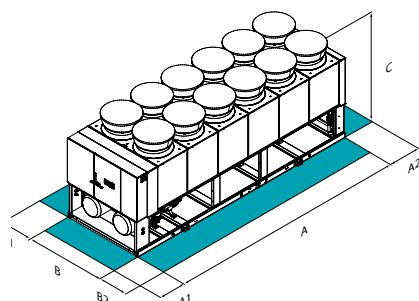


- ✓ Screw compressors, copper/aluminium coils and phase-cutting fans type
- ✓ First investment driven and refurbishment applications
- ✓ Two independent circuits for high reliability
- ✓ Refrigerant R134a - GWP=1430
- ✓ High full load efficiency (Excellence version)
- ✓ Operation up to 52°C outdoor air temperature, low water temperature down to -8°C
- ✓ Modular operation management for up to 7 units in cascade
- ✓ Integrated hydronic assembly, partial recovery and total recovery



Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps".  
 The products concerned feature on the website [www.eurovent-certification.com](http://www.eurovent-certification.com).

|              |            |                      |        |                          |           |        |                            |              |
|--------------|------------|----------------------|--------|--------------------------|-----------|--------|----------------------------|--------------|
|              |            |                      |        |                          |           |        |                            |              |
| Cooling only | Air cooled | Outdoor installation | R-134a | Semi-hermetic Twin-screw | HydroPack | AxiTop | Electronic expansion valve | Intelliplant |



| Grand. | ►WDAT-SL3        | 200.2   | 210.2 | 220.2 | 240.2 | 260.2 | 280.2 | 320.2 | 340.2 | 360.2 | 400.2 | 440.2 | 500.2 | 540.2 | 580.2 |
|--------|------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ST-EXC | A - Lunghezza    | mm 4788 | 4788  | 5758  | 5758  | 5758  | 6738  | 6738  | 7714  | 7714  | 8691  | 8691  | 10640 | 10640 | 10640 |
| ST-EXC | B - Profondità   | mm 2246 | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  | 2246  |
| ST-EXC | C - Altezza      | mm 2668 | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  | 2668  |
| ST-EXC | A1               | mm 1535 | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  | 1535  |
| ST-EXC | A2               | mm 700  | 700   | 700   | 700   | 700   | 700   | 700   | 700   | 700   | 700   | 700   | 700   | 700   | 700   |
| ST-EXC | B1               | mm 1200 | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  |
| ST-EXC | B2               | mm 1200 | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  |
| ST-EXC | Peso in funzion. | kg 4717 | 4715  | 5401  | 5454  | 5565  | 6088  | 6282  | 7055  | 7435  | 8013  | 8165  | 8527  | 9560  | 9790  |

The above mentioned data are referred to standard units for the constructive configurations indicated.

For all the other configurations, refer to the relative Technical Bulletin.

ST-EXC Standard (ST)-Excellence

**VERSION:**

**EXC** Excellence (Standard)

**ENERGY RECOVERY:**

- Energy recovery: not required (Standard)
- D** Partial energy recovery
- R** Total energy recovery

**ACOUSTIC CONFIGURATION:**

- ST** Standard acoustic configuration (Standard)
- SC** Acoustic configuration with compressor soundproofing
- EN** Extremely low noise acoustic configuration

**LOW TEMPERATURE:**

- Low temperature: not required (Standard)
- B** Water low temperature

**TYPE FAN EXTERNAL SECTION:**

- AXIX** High efficiency diffuser for axial fan - AxiTop (Standard)
- NAXI** High efficiency diffuser for axial fan - AxiTop: not required

**EXTERNAL SECTION FAN CONSUMPTION**

- CREFP** Device for fan consumption reduction of the external section at variable speed (phase-cutting) (Standard)
- CREFB** Device for fan consumption reduction of the external section, ECOBREEZE type
- CREFO** Device for fan consumption reduction of the external section, on/off type

**technical data**

| Size      |                                   | ▶▶ <b>WDAT-SL3</b> | <b>200.2</b> | <b>210.2</b> | <b>220.2</b> | <b>240.2</b> | <b>260.2</b> | <b>280.2</b> | <b>320.2</b> | <b>340.2</b> | <b>360.2</b> | <b>400.2</b> | <b>440.2</b> | <b>500.2</b> | <b>540.2</b> | <b>580.2</b> |
|-----------|-----------------------------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ST/SC-EXC | ♦ Cooling capacity (EN14511:2018) | (1)                | kW           | 484          | 508          | 549          | 583          | 635          | 706          | 780          | 835          | 898          | 977          | 1096         | 1213         | 1423         |
| ST/SC-EXC | Total power input (EN14511:2018)  | (1)                | kW           | 156          | 164          | 175          | 186          | 204          | 226          | 247          | 267          | 287          | 313          | 353          | 388          | 454          |
| ST/SC-EXC | EER (EN14511:2018)                | (1)                | -            | 3,1          | 3,1          | 3,14         | 3,14         | 3,11         | 3,13         | 3,16         | 3,13         | 3,13         | 3,12         | 3,1          | 3,13         | 3,1          |
| ST/SC-EXC | SEER                              | (2)                | -            | 4,1          | 4,1          | 4,11         | 4,11         | 4,10         | 4,10         | 4,11         | 4,11         | 4,10         | 4,18         | 4,14         | 4,11         | 4,11         |
| ST/SC-EXC | $\eta_{sc}$                       | (2)                | -            | 161,1        | 161          | 161,30       | 161,3        | 161          | 161          | 161,60       | 161,3        | 161,2        | 164,2        | 162,70       | 161,3        | 161,5        |
| ST/SC-EXC | Refrigeration circuits            |                    | Nr           | 2            |              |              |              |              |              |              |              |              |              |              |              |              |
| ST/SC-EXC | No. of compressors                |                    | Nr           | 2            |              |              |              |              |              |              |              |              |              |              |              |              |
| ST/SC-EXC | Type of compressors               | (3)                | -            | DSW          |              |              |              |              |              |              |              |              |              |              |              |              |
| ST/SC-EXC | Refrigerant                       |                    | -            | R-134a       |              |              |              |              |              |              |              |              |              |              |              |              |
| ST/SC-EXC | Standard power supply             |                    | V            | 400/3~/50    |              |              |              |              |              |              |              |              |              |              |              |              |
| ST-EXC    | Sound power level                 | (4)                | dB(A)        | 101          | 101          | 101          | 101          | 101          | 101          | 103          | 104          | 105          | 107          | 108          | 109          | 109          |
| SC-EXC    | Sound power level                 | (4)                | dB(A)        | 98           | 98           | 98           | 98           | 98           | 98           | 98           | 100          | 100          | 102          | 104          | 105          | 106          |
| EN-EXC    | Sound power level                 | (4)                | dB(A)        | 94           | 94           | 94           | 94           | 94           | 94           | 95           | 96           | 98           | 100          | 100          | -            | -            |

(1) Data calculated in compliance with Standard EN 14511:2018 referred to the following conditions: Internal exchanger water = 12/7°C; External exchanger entering air = 35°C

(2) Data calculated according to the EN 14825:2018 Regulation

(3) DSW = twin-screw compressor

(4) Sound pressure levels are referred to units operating at nominal load in nominal conditions. Measurement are carried out accordingly to UNI EN ISO 9614-1 at nominal standard conditions defined in respective regulations: EU 2016/2281, UE 813/2013, UE 811/2013

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

SC-EXC Compressors insulation (SC)-Excellence

ST-EXC Standard (ST)-Excellence

EN-EXC Supersilenced acoustic configuration (EN) - Excellence

**accessories**

- 2PM** Hydropack load side with 2 pumps
- 3PM** Hydropack load side with 3 pumps
- CSVX** Couple of manually operated shut-off valves
- CCCA** Copper / aluminium condenser coil with acrylic lining
- CCCA1** Condenser coil with Aluminium Energy Guard DCC treatment
- REGBT** Device for the condensing coil partialization
- AMMX** Spring antivibration mounts
- PGCC** Finned coil protection grilles and compressor compartment
- PGCCH** Anti-hail protection grilles
- TPS** Frame protective treatment
- CONTA2** Energy meter
- RCMRX** Remote control via microprocessor control

- PSX** Mains power supply
- CMSC9** Serial communication module for Modbus supervisor
- CMSC10** Serial communication module for LonWorks supervisor
- CMSC11** Serial communication module for BACnet-IP supervisor
- SCP4** Set-point compensation with 0-10 V signal
- SPC2** Set-point compensation with outdoor air temperature probe
- SPC1** Set point compensation with 4-20 mA signal
- ECS** ECOSHARE function for the automatic management of a group of units
- PFCP** Power factor correction capacitors (cosfi > 0.9)
- SFSTR2** Progressive compressor start-up device
- CBS** Overload circuit breakers