

WRA Erp WRA65 Chiller



WRA Erp WRA65

Performance Data

Cooling capacity WRA Erp - WRA65

| | |
|---|----------------------|
| WRA Erp - WRA65 | 21.9 kW |
| EER | 4.8 |
| Total absorbed Electrical power (1) | 5.35 kW |
| S.E.P.R. (HT) (**) | 5.29 |
| Ambient temperature working limits | min -10 °C max 45 °C |
| Application | indoor/outdoor |
| Altitude above sea level | 0 m |
| Outlet water temperature working limits | min -10 °C max 30 °C |
| Refrigerant | R513A |
| Refrigerant charge | n/a |
| Main power supply | 400V/3Ph/50Hz |
| Secondaries voltage | 24 Vac |
| Max absorbed electrical power (FLI) (4) | 12.04 kW |
| Max absorbed current (FLA) (4) | A 23.59 |
| Maximum inrush current (MIC) (4) | A 114.59 |

Compressors

| | |
|--------------------------------------|----------|
| Compressor type | Scroll 1 |
| Number of refrigerant circuits | 1 |
| Absorbed electrical power | 4.89 kW |

Fans

| | |
|---------------------------------------|-------------------------|
| Fan | 1 x ø630 |
| Fans type | AC |
| Air temperature | 32°C |
| Fans part load | 100% |
| Fan air flow | 9.100 m ³ /h |
| Absorbed power at working point | 0.46 kW |

Hydraulic

| | |
|-----------------------------------|-----------------------|
| Chilled fluid | Water |
| Fluid freezing temperature | 0°C |
| Max working pressure | PN10 |
| Chilled fluid inlet temp. | 20°C |
| Chilled fluid outlet temp. | 15°C |
| Fluid flow rate | 3.7 m ³ /h |
| Pressure drop | 28.5 kPa |
| Head pressure available | 302.9 kPa |
| Max chilled fluid flow (5) | 2.4 m ³ /h |
| Max chilled fluid flow rate | 8.4 m ³ /h |

Physical Attributes

| | |
|--------------------------------|---------------------------|
| Width x Height x Depth | 895mm x 2.068mm x 1.175mm |
| Weight empty (4) | 410 kg |
| Hydraulic connections | 1 1/4" RP |
| Sound pressure level (6) | 42.5 dB (A) |
| Sound power level (7) | 74.2 dB (A) |



(1) Nominal performance GROSS: the data do not consider the pump share, required to overcome the pressure drop for the solution circulation inside the exchangers.

(2) Value refers to the standard unit without options. In accordance with the Regulation (EU) 2016/2281.

(3) Data declared according to UNI EN 14511:2018.

(4) Data referred to standard units without pumps and tank; according to the installed accessories, the data can suffer some variations. For the definitive data please refer to the wiring diagram of the unit (supplied with the instruction manual of the unit).

(5) Flow rate value required to calibrate the flow switch. If the optional electronic flow switch is not provided, the customer must provide a flow switch on the system and he has to calibrate it to the value indicated.

(6) Sound pressure level of a basic unit without options at full load and referred to the following conditions: evaporator fluid: 100% water, IN/OUT temp. = 20/15 °C, ambient temp. = 32°C. Average value in free field condition @ 10m distance on flat reflecting surface. Non-binding value obtained from sound power level according to EN ISO 3744.

(7) Sound power level measured according to EN ISO 9614. Data of basic unit without options, full load and referred to the following conditions: evaporator fluid: 100% water, IN/OUT temp. = +12/+7 °C, ambient temp. = +35°C.

Technical data may vary without notice.

Still have a question?

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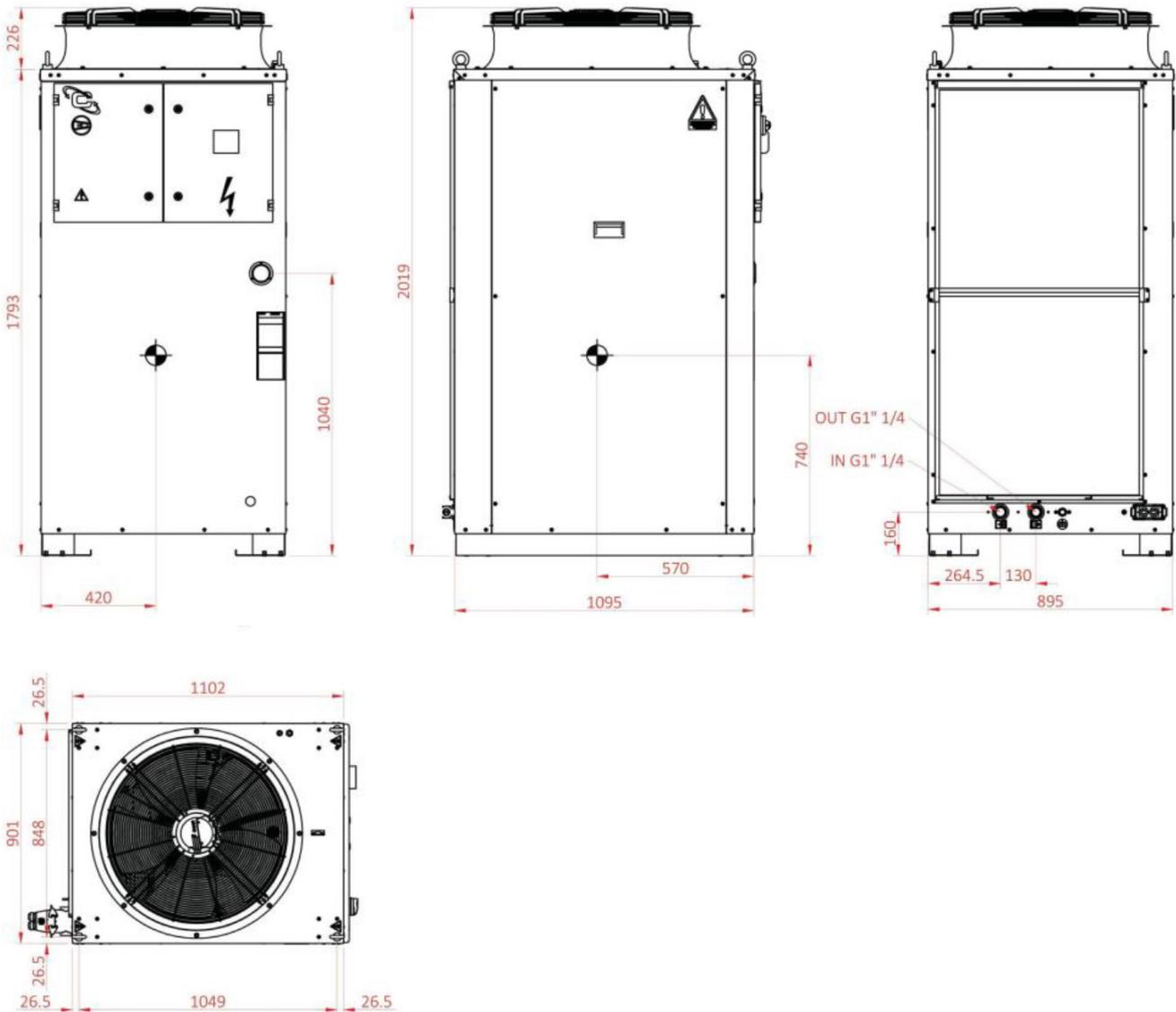
-  01422 371711
-  sales@newsome.ltd.uk
-  www.newsome.ltd.uk





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Layout



Physical Attributes

| | |
|--------|---------|
| H..... | 2.068mm |
| L..... | 895mm |
| P..... | 1.175mm |





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Refrigerant Circuit

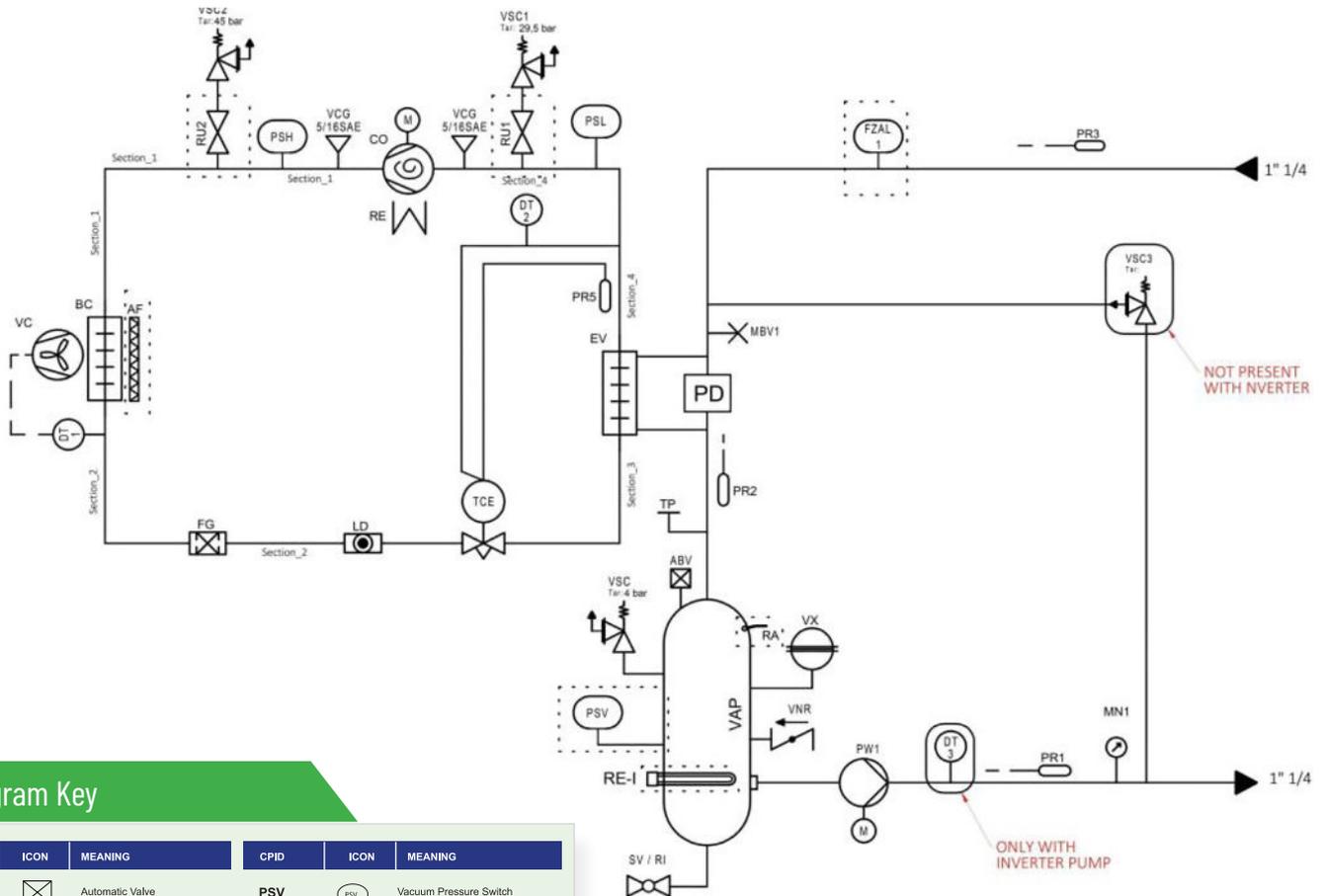


Diagram Key

| CPID | ICON | MEANING | CPID | ICON | MEANING |
|------|------|------------------------------|----------|------|---------------------------------|
| ABV | | Automatic Valve | PSV | | Vacuum Pressure Switch |
| AF | | Condenser Air Filter | PW | | Water Pump |
| BPA | | Automatic Bypass | RA | | Automatic Filling |
| BC | | Condenser | RE-1 | | Resistance |
| CO | | Compressor | RI | | Filling Cap |
| DT | | Pressure Transducer | RU | | Gas Valve |
| EL | | Electrical Level | SV | | Tub Drain |
| EV | | Evaporator | TCE | | Electronic Thermostatic Valve |
| FG | | Coolant Filter | TCM | | Mechanical Thermostatic Valve |
| FW | | Pressure Switch | TP | | Cork |
| FZAL | | Flow Switch | TS | | Threshold Thermostat |
| LD | | Gas Injector | VA | | Basin |
| LV | | Visual Level | VAP | | Pressurized Accumulation Tank |
| M | | Motor | VC | | Condenser Fan |
| MBV | | Ball Valve For Air Venting | VCG | | Charging Gas Valve |
| MN | | Gauge | VSC | | Safety Valve With Spring Return |
| PD | | Differential Pressure Switch | VNR | | Non-return Valve |
| PR | | Probe | VSW - DV | | Diaphragm Solenoid Valve |
| PSH | | High Pressure Switch | VX | | Expansion Tank |
| PSL | | Low Pressure Switch | | | Refrigerant Line |

Accessories & Prices

WRA Erp WRA65 preliminary
 HYDRONIC KIT : P3 pump with tank included
 AMBIENT WORKING RANGE : Std included
 LIQUID WORKING RANGE : Brine included
 VERSION : Hydr. Circuit under pressure included
 Total unit price (£) 0.00

Grand Total..... WRA Erp WRA65: 0.00