

## Refrigerant Dryer KT-S280

Rev 01\_0425

### Technical data sheet

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| Reference conditions according to DIN/ISO 7183 | Unit              | Design data |
|------------------------------------------------|-------------------|-------------|
| Rated Air Flow max.                            | m <sup>3</sup> /h | 280         |
| Working pressure                               | bar g             | 7           |
| Dewpoint                                       | °C                | + 3         |
| Air Inlet Temperature                          | °C                | + 35        |
| Ambient Temperature                            | °C                | + 25        |

| Data under Operating Conditions | Unit              | Design data |
|---------------------------------|-------------------|-------------|
| Rated Air Flow max.             | m <sup>3</sup> /h | 280         |
| Working Pressure max.           | bar g             | 16          |
| Dewpoint                        | °C                | + 3         |
| Ambient temperature max.        | °C                | + 50        |
| Air Inlet Temperature max.      | °C                | + 60        |
| Pressure drop                   | mbar              | 290         |

| General Data                         | Unit              | Design data                           |
|--------------------------------------|-------------------|---------------------------------------|
| Cooling                              | Type              | Air cooled                            |
| Refrigerant                          | Type              | R134a                                 |
| Refrigerant Quantity                 | Kg                | 0,8                                   |
| Number of Heat Exchangers            | Pcs.              | 1                                     |
| Heat Exchanger                       | Type              | Brazed plate                          |
| Heat Rejection Capacity max. at 45°C | W                 | 2259                                  |
| Compressor                           | Type              | hermetic                              |
| Condenser Air Flow                   | m <sup>3</sup> /h | 1000                                  |
| Working Pressure max.                | bar g             | 16                                    |
| Air Inlet Temperature max.           | °C                | + 60                                  |
| Condenser Fans                       | Pcs.              | 1                                     |
| Fan Size                             | Ø mm              | 300                                   |
| Drain Type                           | Type              | KN1                                   |
| Air Outlet Temperature               | °C                | 25 - 30 at 35°C air inlet temperature |
| Relative Humidity                    | %                 | 100                                   |

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| Electrical Data                           | Unit    | Design data     |
|-------------------------------------------|---------|-----------------|
| Total installed power                     | kW      | 0,70            |
| Nominal operating ampacity                | A       | 5,5             |
| Voltage                                   | V/Ph/Hz | 230 / 1 / 50    |
| Electrical protection class according IEC |         | IP 54           |
| Controller                                | Type    | CAREL easy PJS8 |
| Fuse                                      | A       | 6               |

| Dimensions and weights         | Unit | Design data                                   |
|--------------------------------|------|-----------------------------------------------|
| Height (H)                     | mm   | 620                                           |
| Length (T)                     | mm   | 650                                           |
| Width (B)                      | mm   | 470                                           |
| Compressed air connection size | Inch | G1" female                                    |
| Total weight                   | Kg   | 63                                            |
| Drain connection size          | Inch | G3/8" male with hose holder for tube Ø10-12mm |

### Dimensional drawings

