

Model:

# ER-US30U

**Erba Kälte**  
GmbH

## DATA

### General Data

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Weight</b>                        | 8,1 Kg                            |
| <b>Height</b>                        | 222,28 mm                         |
| <b>Length</b>                        | 359,33 mm                         |
| <b>Width</b>                         | 290,00 mm                         |
| <b>Expansion Device</b>              | Capillary Tube or Expansion Valve |
| <b>Approval</b>                      | CE                                |
| <b>Power Supply</b>                  | 220-240 V /50-60 Hz               |
| <b>Evaporating Temperature Range</b> | -40 °C to 0 °C                    |
| <b>Refrigerant</b>                   | R 290                             |

### Electrical Data

|                                   |                       |
|-----------------------------------|-----------------------|
| <b>Motor type</b>                 | CSIR                  |
| <b>Starting Torque</b>            | HST                   |
| <b>Start Winding Resistance</b>   | 25 °C : 11.5 Ω ± 10 % |
| <b>Run Winding Resistance</b>     | 25 °C : 29.7 Ω ± 10 % |
| <b>Locked Rotor Current (LRC)</b> | 5,5 A                 |

### Fan Motor

|                       |        |
|-----------------------|--------|
| <b>Number</b>         | 1      |
| <b>Shaft Power</b>    | 32W    |
| <b>Blade Diameter</b> | 172 mm |

### Spare Parts

|                   | Description |
|-------------------|-------------|
| <b>Condenser</b>  | 605254      |
| <b>Fan</b>        | 360069      |
| <b>Motor</b>      | 352145      |
| <b>Compressor</b> | 110000      |
| <b>Pressostat</b> | 731067      |

## External Characteristics

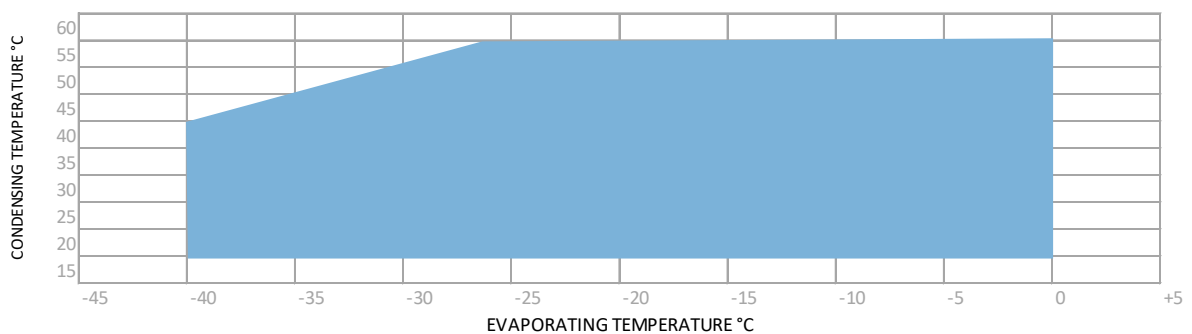
|                    |                   |
|--------------------|-------------------|
| <b>Tray Holder</b> | No                |
| <b>Connector</b>   | Internal Diameter |
| <b>Suction</b>     | 6,2 mm $\pm$ 0,1  |
| <b>Liquid</b>      | 5,4 mm $\pm$ 0,1  |
| <b>Process</b>     | 6,2 mm $\pm$ 0,1  |

## PERFORMANCE

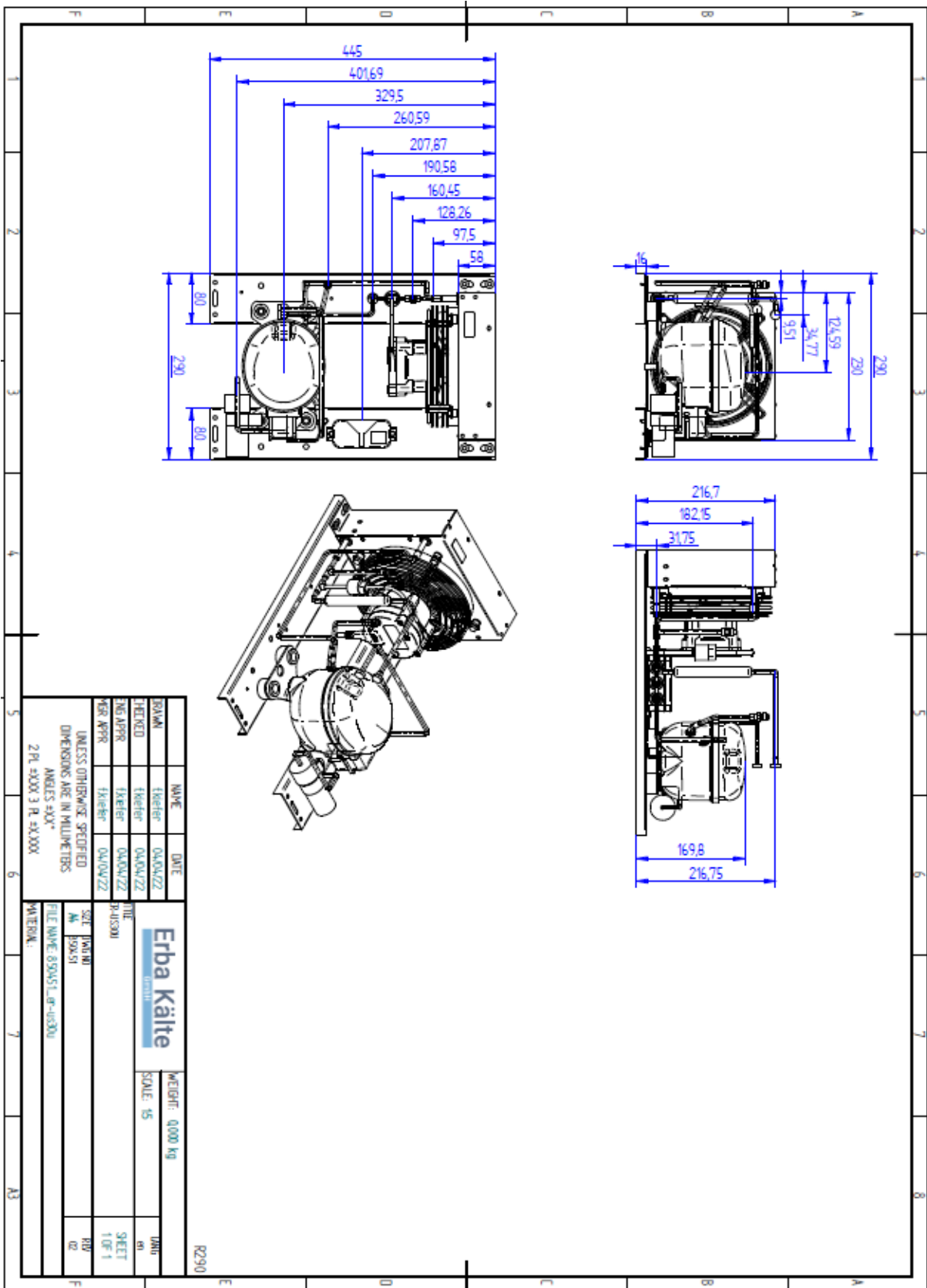
### Performance Curve Data EN12900

| Cooling Capacity EN12900 +45°C |        |        |        |        |        |        |        |        |        |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Evaporating                    | -40°C  | -35°C  | -30°C  | -25°C  | -20°C  | -15°C  | -10°C  | -5°C   | 0°C    |
| <b>Capacity</b>                | 42 W   | 77 W   | 101 W  | 124 W  | 154 W  | 190 W  | 228 W  | 277 W  | 337 W  |
| <b>Input Power</b>             | 86 W   | 95 W   | 104 W  | 112 W  | 121 W  | 130 W  | 138 W  | 155 W  | 161 W  |
| <b>Current</b>                 | 0,77 A | 0,78 A | 0,80 A | 0,81 A | 0,83 A | 0,86 A | 0,88 A | 0,90 A | 0,92 A |

### Operating Envelope



# External Dimensions



Electrical Connection Picture

