Model:

# N70U

Erba Kälte GmbH

## DATA

### General Data

| | |
|---|---|
| **Type** | Hermetic Reciprocating |
| **Technology Type** | On-Off |
| **Displacement** | 7,00 $cm^3$ |
| **Compressor Cooling** | Fan |
| **Expansion Device** | Capillary Tube or Expansion Valve |
| **Approval** | CE |
| **Power Supply** | 220-240 V/ 50-60 Hz |
| **Evaporating Temperature Range** | -40 °C to 0 °C |
| **Refrigerant** | R 290 |

### Electrical Data

| | |
|---|---|
| **Motor type** | CSIR |
| **Starting Torque** | HST |
| **Start Winding Resistance** | 25 °C: 12.0 Ω ± 10% |
| **Run Winding Resistance** | 25 °C: 11.5 Ω ± 10% |
| **Locked Rotor Current (LRC)** | 8,0 A |

### Mechanical Data

| | |
|---|---|
| **Oil Charge** | 180 ml |
| **Oil Type Configuration** | ESTER |
| **Oil Type Viscosity** | ISO32 |
| **Weight** | 7,8 Kg |

## Electrical Components

| | Description |
|---|---|
| **Motor Protection** | GQR70U/DRB25P61A1 |
| **Starting Device** | QP2-15 |
| **Start Capacitor** | 60uF |

## External Characteristics

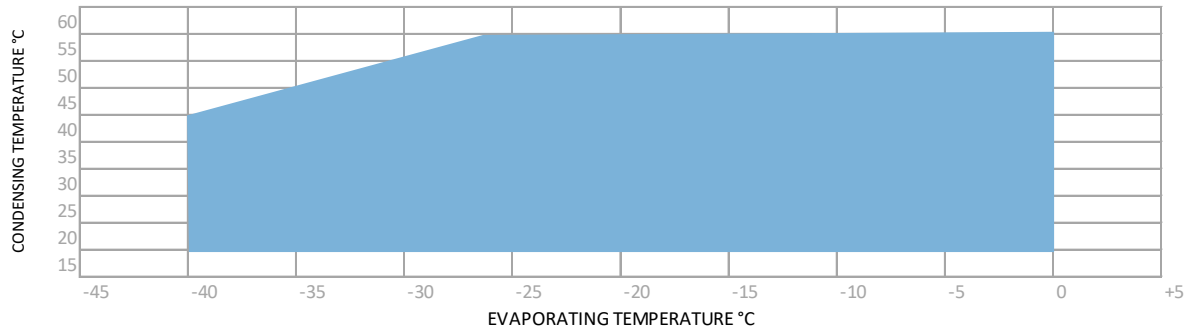
| | |
|---|---|
| **Tray Holder** | No |
| **Connector** | Internal Diameter |
| **Suction** | 6,2 mm ±0,1 |
| **Discharge** | 5,1 mm ±0,1 |
| **Process** | 6,2 mm ±0,1 |

# PERFORMANCE

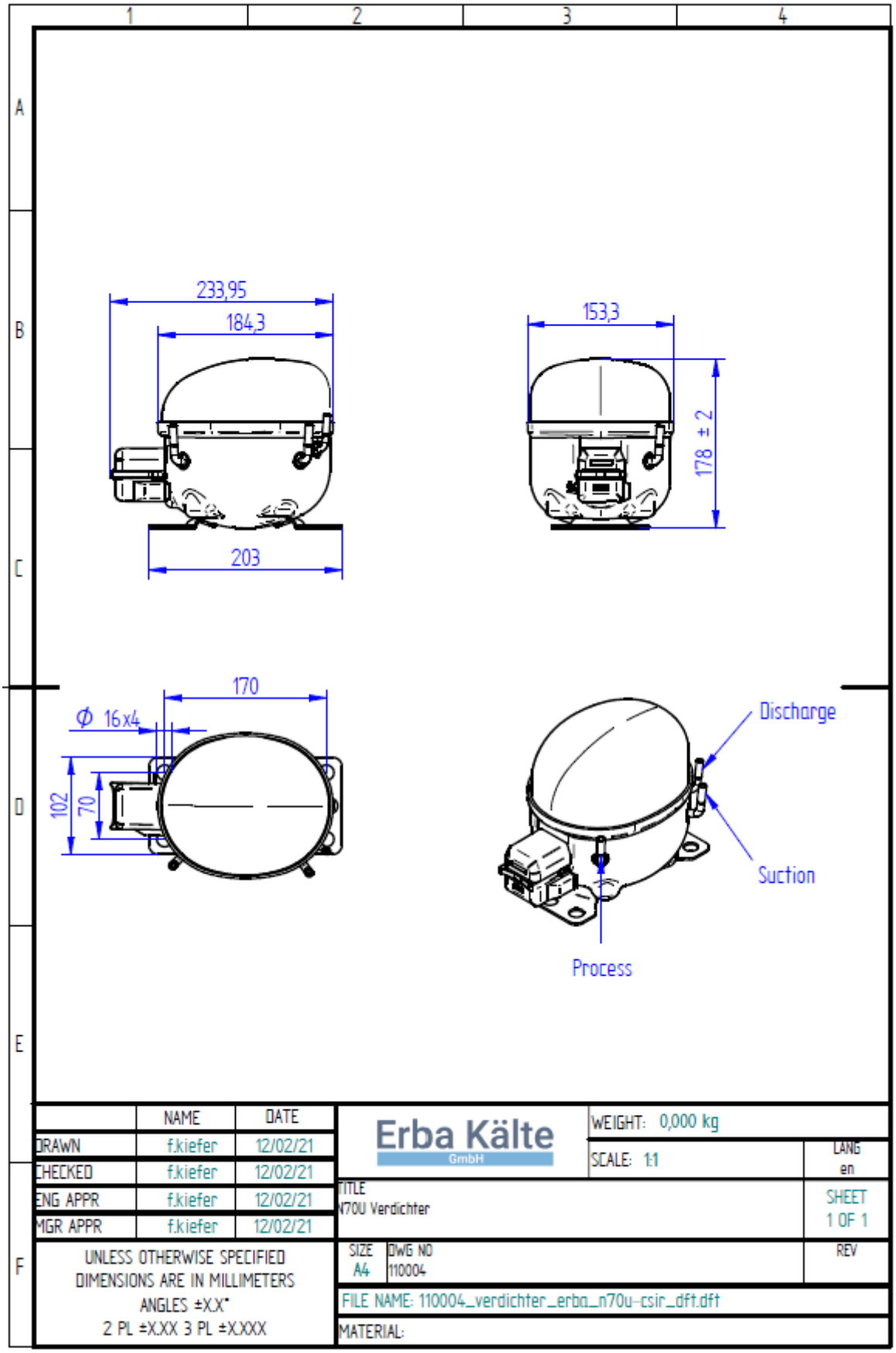
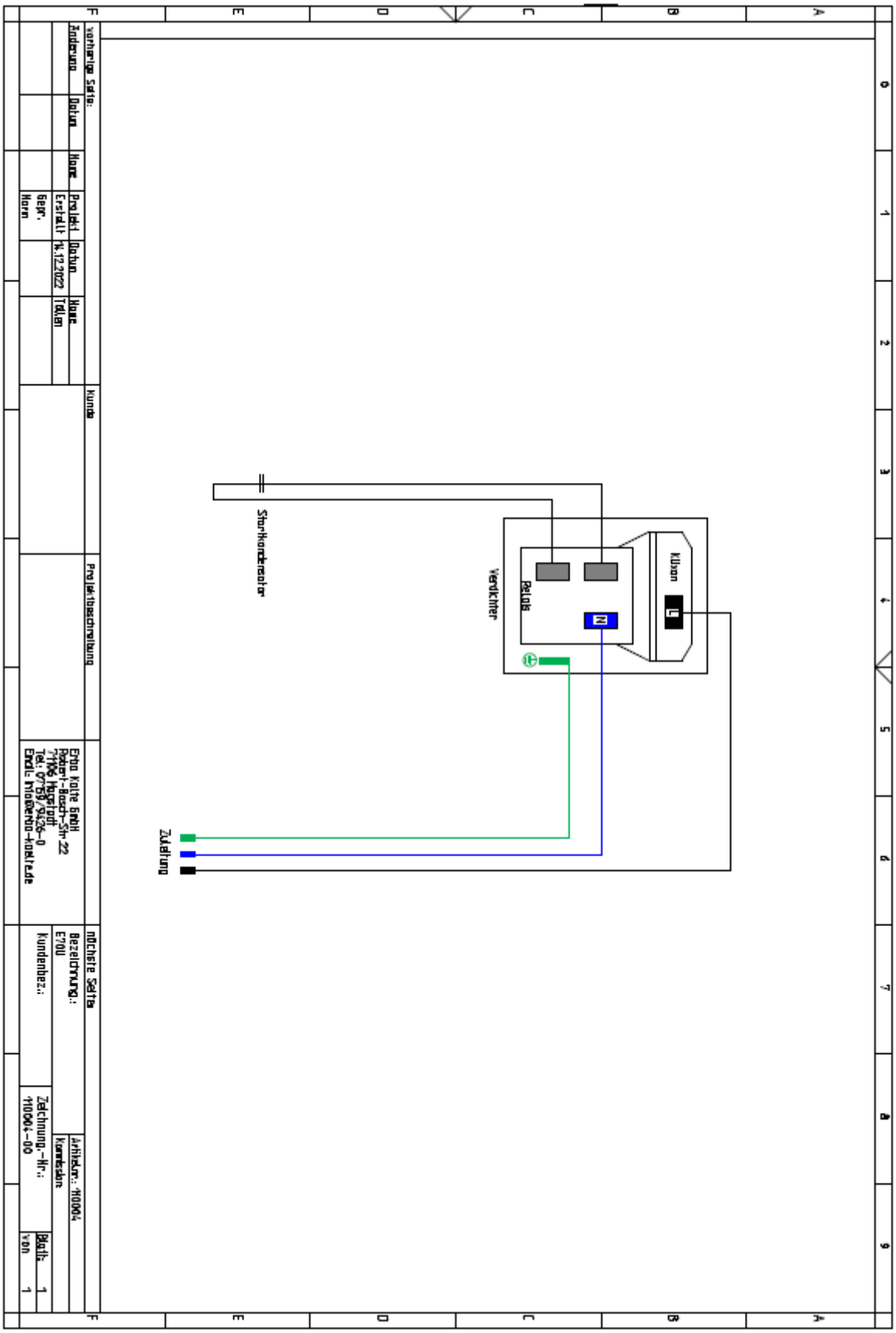
## Performance Curve Data ASHRAE

| Cooling Capacity ASHRAE +55°C | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -40°C | -35°C | -30°C | -25°C | Test Conditions: -23,3°C | | | | -20°C | -15°C | -10°C | -5°C | 0°C |
| W | W | W | W | Capacity (W) | Input Power (W) | Current (A) | COP (W/W) | W | W | W | W | W |
| 154 | 197 | 265 | 327 | 320 | 256 | 1,4 | 1,45 | 399 | 482 | 575 | 686 | 818 |

## Operating Envelope



## External Dimensions



## Electrical Connection Picture