

## Compressor Technical Data

**Model:** T6220E  
**Code:** 116SA01

### Description

|                 |                        |                                  |          |
|-----------------|------------------------|----------------------------------|----------|
| Refrigerant:    | R-22                   | Displacement (cm <sup>3</sup> ): | 17,39    |
| Voltage:        | 220-240 V 50 Hz 1<br>~ | Lubricant Type:                  | ISO46    |
| Frequency (Hz): | 50                     | Lubricant Charge (ml):           | 550      |
| Application:    | HBP                    | Motor Type:                      | CSCR     |
| HP:             | 1-                     | Starting Torque:                 | HST      |
| Efficiency:     | 9,09                   | Type of Test:                    | ASHRAE46 |
| Capacity:       | 7691,00                |                                  |          |

### Approval

### Data

#### External Features

|                     | Shape    | Material | Diameter (mm) |
|---------------------|----------|----------|---------------|
| Suction Connector   | Vertical | Copper   | 9,60          |
| Discharge Connector | Vertical | Copper   | 6,42          |
| Process Connector   | Vertical | Copper   | 9,60          |

|              |                   |
|--------------|-------------------|
| Oil Cooler:  |                   |
| Base Plate:  | European Standard |
| Tray Holder: | No                |
| Weight (kg): | 17,00             |

#### Application

|                                   |                  |
|-----------------------------------|------------------|
| Maximum ambient temperature (°C): | 43               |
| Expansion device:                 | Capillary/ Valve |
| Cooling:                          | Fan Cooling      |
| Air flow rate:                    |                  |

#### Mechanical Data

|                    |                      |
|--------------------|----------------------|
| Bill of materials: | 116SA01              |
| Starting torque:   | High Starting Torque |
| Bore (mm):         | 34,12                |
| Stroke (mm):       | 9,52                 |
| Weight (kg):       | 17,00                |

#### Electrical Data

|                                    |      |
|------------------------------------|------|
| Motor type:                        | CSCR |
| Winding Resistance (25°C) - Start: | 3,45 |
| Winding Resistance (25°C) - Run:   | 6,80 |

**Check Point - Condensing Temperature 54,4 °C**

| Evaporating Temperature | Cooling Capacity |          |       | Power Consumption +/- 5% | Current Consumption +/-5% | Efficiency +/-7% |      |      |
|-------------------------|------------------|----------|-------|--------------------------|---------------------------|------------------|------|------|
|                         | (°C)             | (kcal/h) | (W)   |                          |                           | (Btu/h)          | (W)  | (A)  |
| 7,2                     | 1.949            | 2.267    | 7.735 | 841                      | 3,78                      | 2,32             | 2,70 | 9,20 |

**Condensing Temperature 35 °C**

| Evaporating Temperature | Cooling Capacity |          |       | Power Consumption +/- 5% | Current Consumption +/-5% | Gas Flow Rate +/- 5% | Efficiency +/-7% |      |       |
|-------------------------|------------------|----------|-------|--------------------------|---------------------------|----------------------|------------------|------|-------|
|                         | (°C)             | (kcal/h) | (W)   |                          |                           |                      | (Btu/h)          | (W)  | (A)   |
| -15                     | 827              | 961      | 3.280 | 465                      | 1,96                      | 17,20                | 1,78             | 2,07 | 7,06  |
| -10                     | 1.161            | 1.351    | 4.609 | 514                      | 2,18                      | 24,31                | 2,26             | 2,63 | 8,96  |
| -5                      | 1.494            | 1.737    | 5.927 | 563                      | 2,41                      | 31,42                | 2,65             | 3,09 | 10,53 |
| 0                       | 1.823            | 2.120    | 7.233 | 611                      | 2,64                      | 38,54                | 2,98             | 3,47 | 11,84 |
| 5                       | 2.149            | 2.499    | 8.527 | 658                      | 2,88                      | 45,72                | 3,27             | 3,80 | 12,96 |
| 10                      | 2.472            | 2.875    | 9.809 | 704                      | 3,12                      | 52,99                | 3,51             | 4,08 | 13,93 |

**Condensing Temperature 45 °C**

| Evaporating Temperature | Cooling Capacity |          |       | Power Consumption +/- 5% | Current Consumption +/-5% | Gas Flow Rate +/- 5% | Efficiency +/-7% |      |       |
|-------------------------|------------------|----------|-------|--------------------------|---------------------------|----------------------|------------------|------|-------|
|                         | (°C)             | (kcal/h) | (W)   |                          |                           |                      | (Btu/h)          | (W)  | (A)   |
| -15                     | 764              | 889      | 3.032 | 511                      | 2,19                      | 17,05                | 1,50             | 1,74 | 5,93  |
| -10                     | 1.038            | 1.207    | 4.117 | 568                      | 2,46                      | 23,19                | 1,83             | 2,12 | 7,25  |
| -5                      | 1.329            | 1.546    | 5.276 | 625                      | 2,72                      | 29,84                | 2,13             | 2,47 | 8,44  |
| 0                       | 1.640            | 1.907    | 6.507 | 681                      | 2,99                      | 37,03                | 2,41             | 2,80 | 9,56  |
| 5                       | 1.968            | 2.289    | 7.811 | 736                      | 3,26                      | 44,79                | 2,67             | 3,11 | 10,61 |
| 10                      | 2.315            | 2.692    | 9.187 | 791                      | 3,54                      | 53,17                | 2,93             | 3,40 | 11,61 |

**Condensing Temperature 55 °C**

| Evaporating Temperature | Cooling Capacity |          |       | Power Consumption +/- 5% | Current Consumption +/-5% | Gas Flow Rate +/- 5% | Efficiency +/-7% |      |      |
|-------------------------|------------------|----------|-------|--------------------------|---------------------------|----------------------|------------------|------|------|
|                         | (°C)             | (kcal/h) | (W)   |                          |                           |                      | (Btu/h)          | (W)  | (A)  |
| -15                     | 698              | 811      | 2.768 | 560                      | 2,43                      | 16,69                | 1,25             | 1,45 | 4,94 |
| -10                     | 909              | 1.057    | 3.606 | 625                      | 2,74                      | 21,86                | 1,45             | 1,69 | 5,77 |
| -5                      | 1.160            | 1.349    | 4.602 | 690                      | 3,05                      | 28,07                | 1,68             | 1,96 | 6,67 |

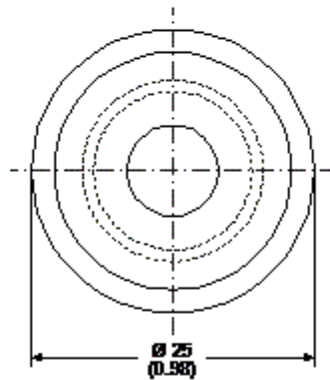
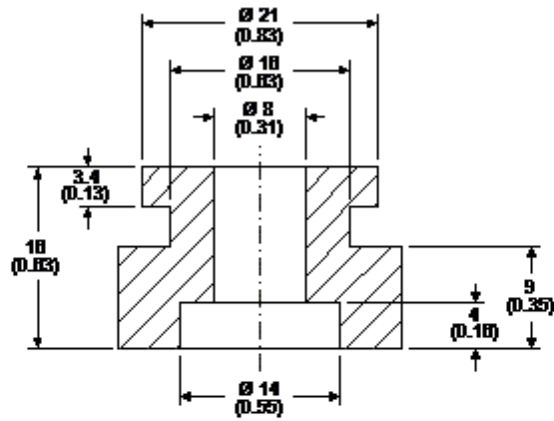
|    |       |           |       |     |      |       |      |      |      |
|----|-------|-----------|-------|-----|------|-------|------|------|------|
| 0  | 1.450 | 1.68<br>7 | 5.755 | 754 | 3,36 | 35,33 | 1,92 | 2,24 | 7,63 |
| 5  | 1.780 | 2.07<br>1 | 7.065 | 818 | 3,67 | 43,70 | 2,18 | 2,53 | 8,63 |
| 10 | 2.150 | 2.50<br>1 | 8.532 | 882 | 3,97 | 53,19 | 2,44 | 2,84 | 9,68 |

## Dimensions

### Rubber Grommet

|                  |           |
|------------------|-----------|
| Engineering Code | 13146411  |
| Dimensions       | mm (Inch) |

The grommets are made of special rubber and used in the nut and bolt type or in the snap on type assembly. The rubber grommet, the dimensions of which are shown in the figure below, was developed for installation in compressors with 16 and 19 mm diameters holes in the base plate.



**Accessories**