

## Bitzer 2EC-2.2Y-40S cool/freeze unit

### Specifications

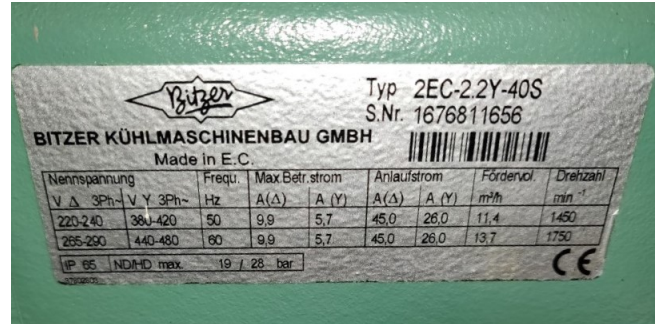
|                    |                               |
|--------------------|-------------------------------|
| Бренд              | Bitzer                        |
| Тип                | 2EC-2.2Y-40S cool/freeze unit |
| Хладагент          | Freon                         |
| kW at -5°C/+40°C   | 7.2                           |
| кВт at -10°C/+40°C | 5.9                           |
| кВт at -20°C/+40°C | 3.8                           |
| кВт at -30°C/+40°C | 2.3                           |
| кВт at -40°C/+40°C | 1.2                           |
| На стальной раме   | ✓                             |
| Прессостаты        | ✓                             |
| Манометры          | ✓                             |
| Жидкостный ресивер | ✓                             |
| Маслоотделитель    | ✓                             |
| Фильтр-осушитель   | ✓                             |
| Смотровое стекло   | ✓                             |
| Примечания         | yob 2009                      |
| Stock              | 1                             |



### Description

#### Used Bitzer 2EC-2.2Y-40S cool/freeze unit

Used, but in good condition, cool/freeze unit with a Bitzer 2EC-2.2Y-40S Semi-hermetic Reciprocating Compressor and necessary components. Our capacity table is based on the used type of Freon. You can also use these compressors on alternative types of Freon. For all the other specs (if available), see the picture of the manufacturer model plate or the attached pdf file. \*Why choose for HOSBV? We are not only the largest used refrigeration specialist in Europe, but also, we deliver all equipment including an extensive test, warranty and industrial cleaning. \*Optional we can also arrange the logistics.



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**Selection: Semi-hermetic Reciprocating Compressors**

**Input Values**

Compressor model: (2EC-2.2Y)  
 Mode: Refrigeration and Air conditioning  
 Refrigerant: R404A  
 Reference temperature: 20.00 °C  
 Liq. subc. (in condenser): 0 K

**Result**

Q [W]: Cooling capacity  
 Q<sub>ev</sub> [W]: Evaporator capacity  
 P [kW]: Power input  
 I [A]: Current  
 Q<sub>c</sub> [W]: Condenser Capacity (w. HK)

Suction gas temperature: 20.00 °C  
 Operating mode: Auto  
 Power supply: 400V-3-50Hz  
 Capacity control: 100%  
 Useful superheat: 100%

COP [-]: COP<sub>ev</sub>  
 m [kg/h]: Mass flow  
 Op. th [°C]: Operating mode  
 Discharge gas temp. w/o cooling

| t <sub>c</sub> | t <sub>o</sub>      | -5°C     | -10°C    | -15°C    | -20°C    | -25°C    | -30°C    | -35°C    | -40°C    |
|----------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 30°C           | Q [W]               | 8622     | 7118     | 5815     | 4692     | 3727     | 2902     | 2203     | 1612     |
|                | Q <sub>ev</sub> [W] | 8622     | 7118     | 5815     | 4692     | 3727     | 2902     | 2203     | 1612     |
|                | P [kW]              | 2.39     | 2.27     | 2.13     | 1.97     | 1.79     | 1.60     | 1.40     | 1.20     |
|                | I [A]               | 4.30     | 4.14     | 3.95     | 3.74     | 3.52     | 3.30     | 3.08     | 2.88     |
|                | Q <sub>c</sub> [W]  | 10888    | 9273     | 7838     | 6563     | 5431     | 4426     | 3537     | 2751     |
|                | COP [-]             | 3.61     | 3.14     | 2.73     | 2.38     | 2.08     | 1.81     | 1.57     | 1.35     |
|                | m [kg/h]            | 217      | 177.0    | 143.4    | 114.9    | 90.7     | 70.3     | 53.1     | 38.8     |
|                | Op. th [°C]         | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
|                | Q [W]               | 7270     | 5981     | 4862     | 3995     | 3064     | 2352     | 1748     | 1238     |
|                | Q <sub>ev</sub> [W] | 7270     | 5981     | 4862     | 3995     | 3064     | 2352     | 1748     | 1238     |
| 40°C           | Q [W]               | 7270     | 5981     | 4862     | 3995     | 3064     | 2352     | 1748     | 1238     |
|                | Q <sub>ev</sub> [W] | 7270     | 5981     | 4862     | 3995     | 3064     | 2352     | 1748     | 1238     |
|                | P [kW]              | 2.75     | 2.55     | 2.34     | 2.11     | 1.87     | 1.64     | 1.40     | 1.16     |
|                | I [A]               | 4.81     | 4.52     | 4.23     | 3.92     | 3.62     | 3.34     | 3.07     | 2.84     |
|                | Q <sub>c</sub> [W]  | 9885     | 8404     | 7081     | 5898     | 4844     | 3907     | 3075     | 2340     |
|                | COP [-]             | 2.64     | 2.34     | 2.08     | 1.85     | 1.63     | 1.44     | 1.25     | 1.07     |
|                | m [kg/h]            | 206      | 167.4    | 134.8    | 107.2    | 83.7     | 63.9     | 47.3     | 33.4     |
|                | Op. th [°C]         | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
|                | Q [W]               | 5949     | 4872     | 3935     | 3123     | 2424     | 1826     | 1318     | 890      |
|                | Q <sub>ev</sub> [W] | 5949     | 4872     | 3935     | 3123     | 2424     | 1826     | 1318     | 890      |
| 50°C           | Q [W]               | 5949     | 4872     | 3935     | 3123     | 2424     | 1826     | 1318     | 890      |
|                | Q <sub>ev</sub> [W] | 5949     | 4872     | 3935     | 3123     | 2424     | 1826     | 1318     | 890      |
|                | P [kW]              | 3.08     | 2.80     | 2.52     | 2.23     | 1.95     | 1.67     | 1.39     | 1.13     |
|                | I [A]               | 5.27     | 4.88     | 4.48     | 4.09     | 3.71     | 3.37     | 3.07     | 2.82     |
|                | Q <sub>c</sub> [W]  | 8876     | 7533     | 6325     | 5242     | 4272     | 3408     | 2642     | 1967     |
|                | COP [-]             | 1.93     | 1.74     | 1.56     | 1.40     | 1.25     | 1.10     | 0.95     | 0.79     |
|                | m [kg/h]            | 195.1    | 157.7    | 126.0    | 99.1     | 76.3     | 57.1     | 41.0     | 27.6     |
|                | Op. th [°C]         | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
|                | Q [W]               | 4872     | 3935     | 3123     | 2424     | 1826     | 1318     | 890      | 0        |
|                | Q <sub>ev</sub> [W] | 4872     | 3935     | 3123     | 2424     | 1826     | 1318     | 890      | 0        |

— No calculation possible (see message in single point selection)  
 \*According to EN12900 (20°C suction gas temp., 0K liquid subcooling)

## Application Limits 100% Octagon 2EC-2.2

