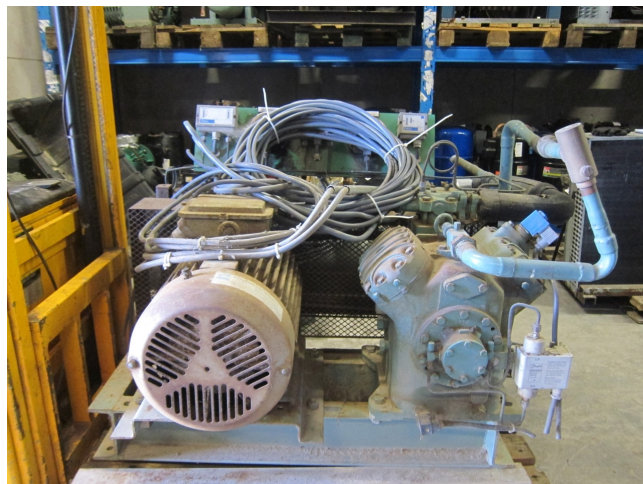


## Bitzer 4H.2 cool/freeze package

### Specifications

|                                         |                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Marka                                   | Bitzer                                                                                                      |
| Typ                                     | 4H.2 cool/freeze package                                                                                    |
| Czynnik chłodzący                       | Freon                                                                                                       |
| kW at 0°C/+40°C                         | 59.93                                                                                                       |
| kW at -5°C/+40°C                        | 49.91                                                                                                       |
| kW at -10°C/+40°C                       | 41.19                                                                                                       |
| kW at -20°C/+40°C                       | 27.09                                                                                                       |
| kW at -30°C/+40°C                       | 16.69                                                                                                       |
| Silnik elektryczny Specs                | 15 kW at 1455 RPM                                                                                           |
| Rozładunek                              | ✓                                                                                                           |
| Podstawa na stalowej ramie              | ✓                                                                                                           |
| Ciśnieniowe przełączniki bezpieczeństwa | ✓                                                                                                           |
| Wskaźniki ciśnienia                     | ✓                                                                                                           |
| Obiornik cieczy                         | ✓                                                                                                           |
| Obiornik cieczy ltr.                    | 33                                                                                                          |
| Separator oleju                         | ✓                                                                                                           |
| Osuszający filter lini cieczy           | ✓                                                                                                           |
| Okno widokowe                           | ✓                                                                                                           |
| Uwagi                                   | Our capacity table is based on Manufacturer spec. We would like to know which refrigerant is in your system |



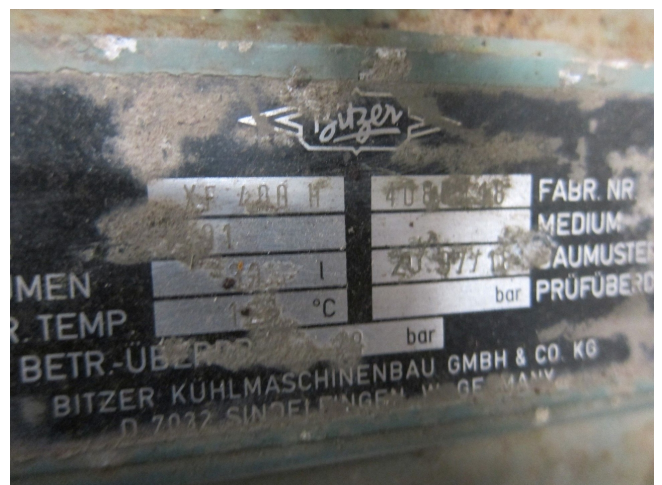
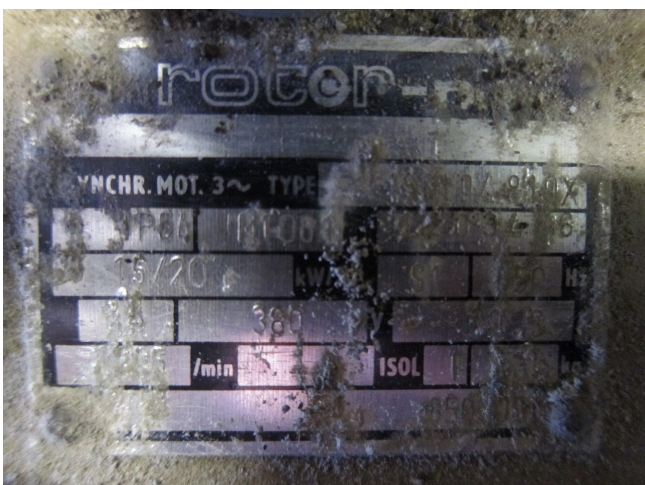
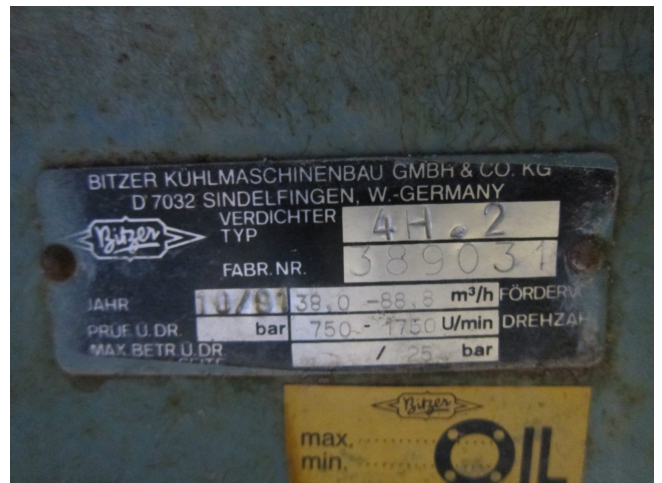
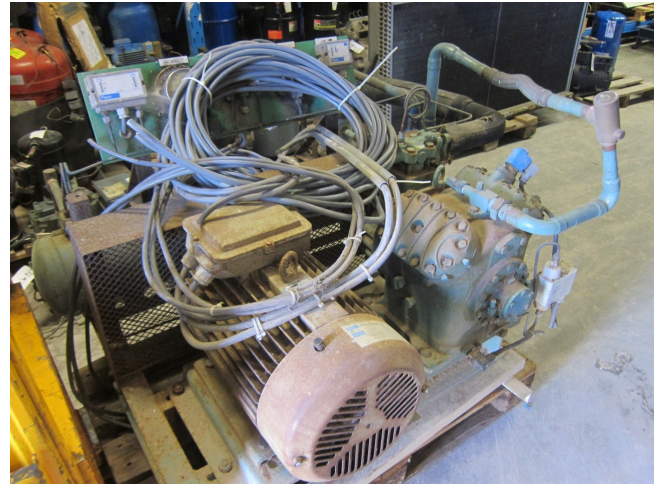
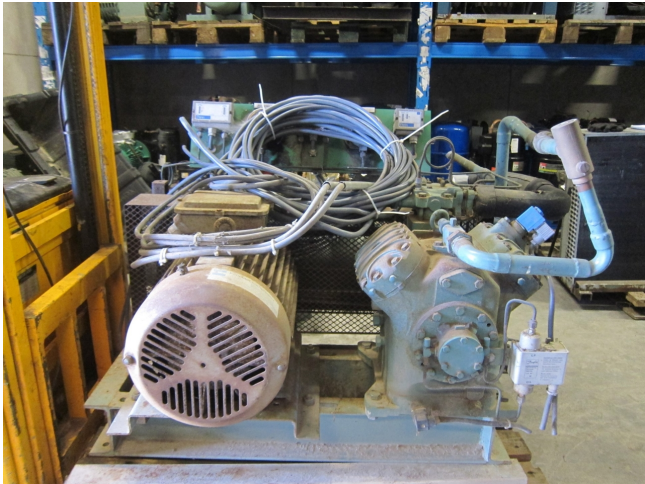
|                |                     |
|----------------|---------------------|
|                | Compr: 200 mm       |
| Package / Rack | Pulley EM: 220 mm / |
| Rozmiar        | 1350x1200x950 mm    |
|                | (LxWxH)             |
| Stock          | 1                   |

## Description

### Used Bitzer 4H.2 cool/freeze package

Used cool freeze package with a Bitzer 4H.2 Open-Type Reciprocating Compressor and electric motor with 15kW at 1455 RPM. With all consisting components like pressure gauges and safety switches, liquid tank etc. (see pictures) \*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 arrange shipment and export documents.





## Result

|      |           | Cooling capacity /<br>Cooling capacity*<br>Power input<br>Condenser Capacity |       | COP [-]<br>COP* [-]<br>m [kg/h]<br>n [l/min] |       | CORPEER<br>CORPEER*<br>Mass flow<br>Compr. speed |       |       |       |
|------|-----------|------------------------------------------------------------------------------|-------|----------------------------------------------|-------|--------------------------------------------------|-------|-------|-------|
| tc   | to        | 5°C                                                                          | 0°C   | -5°C                                         | -10°C | -15°C                                            | -20°C | -25°C | -30°C |
| 30°C | Q [W]     | 82602                                                                        | 68315 | 57790                                        | 47805 | 39179                                            | 31756 | 25402 | 19997 |
|      | Q* [W]    | 82602                                                                        | 68315 | 57790                                        | 47805 | 39179                                            | 31756 | 25402 | 19997 |
|      | P [kW]    | 15.19                                                                        | 14.93 | 14.39                                        | 13.63 | 12.69                                            | 11.61 | 10.44 | 9.23  |
|      | Qc [W]    | 97795                                                                        | 84242 | 72181                                        | 61435 | 51867                                            | 43368 | 35847 | 29230 |
|      | COP [-]   | 5.44                                                                         | 4.64  | 4.02                                         | 3.51  | 3.09                                             | 2.73  | 2.43  | 2.17  |
|      | COP* [-]  | 5.44                                                                         | 4.64  | 4.02                                         | 3.51  | 3.09                                             | 2.73  | 2.43  | 2.17  |
|      | m [kg/h]  | 2129                                                                         | 1762  | 1452                                         | 1189  | 966                                              | 778   | 619   | 484   |
| 40°C | n [l/min] | 1450                                                                         | 1450  | 1450                                         | 1450  | 1450                                             | 1450  | 1450  | 1450  |
|      | Q [W]     | 71438                                                                        | 58935 | 48911                                        | 41191 | 33629                                            | 27098 | 21487 | 16696 |
|      | Q* [W]    | 71438                                                                        | 58935 | 48911                                        | 41191 | 33629                                            | 27098 | 21487 | 16696 |
|      | P [kW]    | 17.75                                                                        | 17.13 | 16.25                                        | 15.17 | 13.92                                            | 12.56 | 11.15 | 9.73  |
|      | Qc [W]    | 89185                                                                        | 77066 | 66165                                        | 56357 | 47546                                            | 39659 | 32635 | 26424 |
|      | COP [-]   | 4.03                                                                         | 3.50  | 3.07                                         | 2.72  | 2.42                                             | 2.16  | 1.93  | 1.72  |
|      | COP* [-]  | 4.03                                                                         | 3.50  | 3.07                                         | 2.72  | 2.42                                             | 2.16  | 1.93  | 1.72  |
| 50°C | m [kg/h]  | 2082                                                                         | 1719  | 1413                                         | 1153  | 933                                              | 746   | 587   | 454   |
|      | n [l/min] | 1450                                                                         | 1450  | 1450                                         | 1450  | 1450                                             | 1450  | 1450  | 1450  |
|      | Q [W]     | 59883                                                                        | 50252 | 41803                                        | 34411 | 27967                                            | 22374 | 17544 | 13398 |
|      | Q* [W]    | 59883                                                                        | 50252 | 41803                                        | 34411 | 27967                                            | 22374 | 17544 | 13398 |
|      | P [kW]    | 20.4                                                                         | 19.47 | 18.27                                        | 16.88 | 15.36                                            | 13.76 | 12.13 | 10.53 |
|      | Qc [W]    | 80303                                                                        | 69722 | 60077                                        | 51296 | 43327                                            | 36130 | 29671 | 23927 |
|      | COP [-]   | 2.93                                                                         | 2.58  | 2.29                                         | 2.04  | 1.82                                             | 1.63  | 1.45  | 1.27  |
|      | COP* [-]  | 2.93                                                                         | 2.58  | 2.29                                         | 2.04  | 1.82                                             | 1.63  | 1.45  | 1.27  |
|      | m [kg/h]  | 2032                                                                         | 1674  | 1371                                         | 1114  | 896                                              | 710   | 553   | 419   |
|      | n [l/min] | 1450                                                                         | 1450  | 1450                                         | 1450  | 1450                                             | 1450  | 1450  | 1450  |

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

Application Limits Standard