

Bitzer 4V-10.2

Specifications

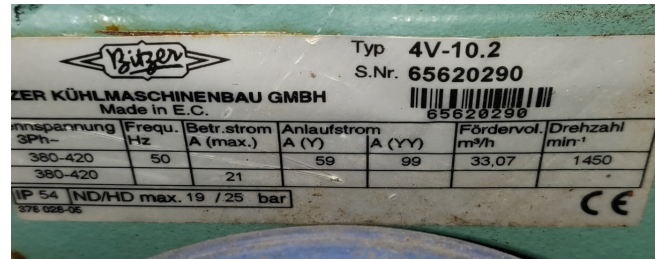
| | |
|--------------------------|------------------------|
| Brand | Bitzer |
| Type | 4V-10.2 |
| Refrigerant | Freon |
| Refrigerant type | R 404 A or other types |
| kW at 0°C/+40°C | 26.7 |
| kW at -5°C/+40°C | 22.1 |
| kW at -10°C/+40°C | 18.2 |
| kW at -20°C/+40°C | 11.8 |
| kW at -30°C/+40°C | 7.0 |
| Unloaded Start | ✓ |
| Capacity Control | ✓ |
| Pressure safety switches | ✓ |
| Hp/Lp/Op | |
| Oil level system AC&R | ✓ |
| Stock | 1 |




Description

Used Bitzer 4V-10.2

Used but still in good condition, Bitzer 4V-10.2 semi hermetic Reciprocating compressor. 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? Were 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 the logistics.



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|---|--|
|  | Bitzer 4V-10.2 |
| BITZER Software v6.4.3 rev1353 | 29.05.2015 / All data subject to change. |
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Compressor Selection: Semi-hermetic Reciprocating Compressors

Input Values

| | | | |
|----------------------------|------------------------------------|-------------------------|-------------|
| Compressor model | (4V-10.2V) | Suction gas temperature | 20.00 °C |
| Mode | Refrigeration and Air conditioning | Operating mode | Auto |
| Refrigerant | R404A | Power supply | 400V-3-50Hz |
| Reference temperature | Dew point temp. | Capacity Control | 100% |
| Liq. subco. (in condenser) | 0 K | Useful superheat | 100% |

Result

| | Q [W] | Q* [W] | P [kW] | I [A] | Qc [W] | COP [-] | COP* [-] | m [kg/h] | Op. th [°C] | COPIER | COPIER* | Mass flow | Operating mode | Discharge gas temp. w/o cooling |
|------|-------------|--------|--------|-------|--------|---------|----------|----------|-------------|--------|---------|-----------|----------------|---------------------------------|
| °C | ts | 5°C | 0°C | -5°C | -10°C | -15°C | -20°C | -25°C | -30°C | | | | | |
| 30°C | Q [W] | 37157 | 31111 | 25863 | 21314 | 17381 | 13993 | 11090 | 8617 | | | | | |
| | Q* [W] | 37157 | 31111 | 25863 | 21314 | 17381 | 13993 | 11090 | 8617 | | | | | |
| | P [kW] | 7.01 | 6.76 | 6.47 | 6.13 | 5.75 | 5.33 | 4.85 | 4.31 | | | | | |
| | I [A] | 12.87 | 12.52 | 12.12 | 11.67 | 11.16 | 10.61 | 10.01 | 9.38 | | | | | |
| | Qc [W] | 44166 | 37867 | 32329 | 27447 | 23135 | 19320 | 15937 | 12928 | | | | | |
| | COP [-] | 5.30 | 4.60 | 4.00 | 3.48 | 3.02 | 2.63 | 2.29 | 2.00 | | | | | |
| | COP* [-] | 5.30 | 4.60 | 4.00 | 3.48 | 3.02 | 2.63 | 2.29 | 2.00 | | | | | |
| | m [kg/h] | 958 | 791 | 650 | 530 | 429 | 343 | 279 | 209 | | | | | |
| | Op. th [°C] | 56.6 | 62.3 | 68.4 | 75.1 | 82.3 | 90.3 | 99.1 | 108.7 | | | | | |
| 40°C | Q [W] | 20020 | 26764 | 22188 | 18212 | 14768 | 11800 | 9255 | 7088 | | | | | |
| | Q* [W] | 32020 | 29764 | 22188 | 18212 | 14768 | 11800 | 9255 | 7088 | | | | | |
| | P [kW] | 8.19 | 7.84 | 7.42 | 6.93 | 6.39 | 5.79 | 5.15 | 4.46 | | | | | |
| | I [A] | 14.56 | 14.05 | 13.45 | 12.76 | 12.01 | 11.21 | 10.38 | 9.55 | | | | | |
| | Qc [W] | 40206 | 34601 | 29604 | 25143 | 21155 | 17590 | 14401 | 11550 | | | | | |
| | COP [-] | 3.91 | 3.42 | 2.99 | 2.63 | 2.31 | 2.04 | 1.80 | 1.59 | | | | | |
| | COP* [-] | 3.91 | 3.42 | 2.99 | 2.63 | 2.31 | 2.04 | 1.80 | 1.59 | | | | | |
| | m [kg/h] | 933 | 768 | 628 | 510 | 410 | 325 | 253 | 192.7 | | | | | |
| | Op. th [°C] | 66.5 | 72.6 | 79.0 | 85.9 | 93.3 | 101.4 | 110.2 | 119.9 | | | | | |
| 50°C | Q [W] | 26339 | 21986 | 18176 | 14852 | 11965 | 9470 | 7329 | 5503 | | | | | |
| | Q* [W] | 26339 | 21986 | 18176 | 14852 | 11965 | 9470 | 7329 | 5503 | | | | | |
| | P [kW] | 9.47 | 8.97 | 8.36 | 7.69 | 6.95 | 6.18 | 5.39 | 4.60 | | | | | |
| | I [A] | 16.45 | 15.70 | 14.82 | 13.83 | 12.79 | 11.73 | 10.69 | 9.72 | | | | | |
| | Qc [W] | 35814 | 30951 | 26539 | 22538 | 18918 | 15653 | 12720 | 10103 | | | | | |
| | COP [-] | 2.78 | 2.45 | 2.17 | 1.93 | 1.72 | 1.53 | 1.36 | 1.20 | | | | | |