

Bitzer 4N-20.2 cool/freeze tank generator.

Specifications

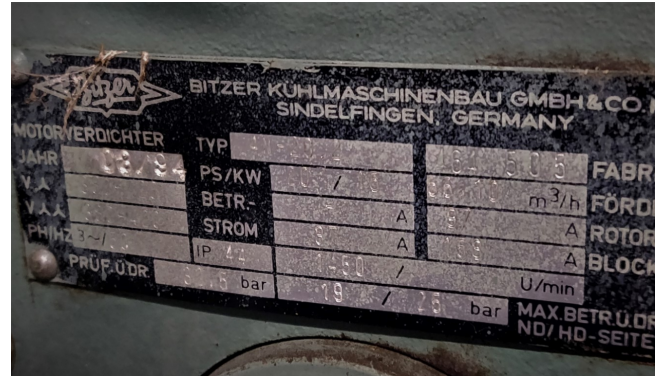
| | |
|----------------------|-------------------------------------|
| Marque | Bitzer |
| Le type | 4N-20.2 cool/freeze tank generator. |
| Réfrigérant | Freon |
| Refrigerant type | R 404 A or other types |
| kW at 0°C/+40°C | 45.8 |
| kW at -5°C/+40°C | 38.0 |
| kW at -10°C/+40°C | 31.2 |
| kW at -20°C/+40°C | 20.3 |
| kW at -30°C/+40°C | 12.3 |
| Démarrage à vide | ✓ |
| Contrôle de capacité | ✓ |
| Réservoir de liquide | ✓ |
| Stock | 1 |




Description

Used Bitzer 4N-20.2 cool/freeze tank generator.

Used but still in good condition, Bitzer 4N-20.2 cool/freeze tank generator. 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 Software v6.10.2 rev2250 | | 08.10.2019 / All data subject to change. | 1 / 4 |
|---|--|---------------------------------|--|--|-------|

Selection: Semi-hermetic Reciprocating Compressors

Input Values

| | | | |
|---------------------------|------------------------------------|-------------------------|-------------|
| Compressor model | (4N/20.2V) | 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. subc. (in condenser) | 0 K | Useful superheat | 100% |

Result

| | | | |
|---------------------|----------------------------|----------|---------------------------------|
| Q [W] | Cooling capacity | COP [-] | COP/EEER |
| Q _{ev} [W] | Evaporator capacity | m [kg/h] | Mass flow |
| P [kW] | Power input | Op. | Operating mode |
| I [A] | Current | th [°C] | Discharge gas temp. w/o cooling |
| Q _c [W] | Condenser Capacity (w. HX) | | |

| to | 5°C | 8°C | -5°C | -16°C | -16°C | -26°C | -26°C | -38°C |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 30°C | | | | | | | | |
| Q [W] | 63606 | 53277 | 44316 | 36552 | 29842 | 24067 | 19121 | 14913 |
| Q _{ev} [W] | 63606 | 53277 | 44316 | 36552 | 29842 | 24067 | 19121 | 14913 |
| P [kW] | 12.20 | 11.68 | 11.13 | 10.53 | 9.86 | 9.12 | 8.29 | 7.36 |
| I [A] | 21.5 | 20.8 | 19.99 | 19.19 | 18.33 | 17.41 | 16.42 | 15.38 |
| Q _c [W] | 75200 | 64375 | 54888 | 46551 | 39211 | 32733 | 27000 | 21903 |
| COP [-] | 5.21 | 4.56 | 3.98 | 3.47 | 3.03 | 2.64 | 2.31 | 2.03 |
| m [kg/h] | 1640 | 1354 | 1113 | 909 | 736 | 589 | 466 | 361 |
| Op. | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| th [°C] | 57.0 | 62.6 | 68.6 | 75.1 | 82.2 | 90.1 | 98.6 | 107.7 |
| 40°C | | | | | | | | |
| Q [W] | 54802 | 45848 | 38056 | 31285 | 25434 | 20390 | 16071 | 12398 |
| Q _{ev} [W] | 54802 | 45848 | 38056 | 31285 | 25434 | 20390 | 16071 | 12398 |
| P [kW] | 14.11 | 13.42 | 12.66 | 11.81 | 10.89 | 9.91 | 8.87 | 7.77 |
| I [A] | 24.2 | 23.2 | 22.1 | 20.9 | 19.68 | 18.39 | 17.10 | 15.83 |
| Q _c [W] | 68207 | 58601 | 50079 | 42509 | 35783 | 29806 | 24496 | 19781 |
| COP [-] | 3.88 | 3.42 | 3.01 | 2.65 | 2.33 | 2.06 | 1.81 | 1.60 |
| m [kg/h] | 1597 | 1315 | 1077 | 876 | 705 | 561 | 439 | 337 |
| Op. | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| th [°C] | 66.7 | 72.6 | 78.9 | 85.6 | 92.9 | 100.9 | 109.6 | 119.6 |
| 50°C | | | | | | | | |
| Q [W] | 44845 | 37506 | 31089 | 25496 | 20645 | 16459 | 12871 | 9820 |
| Q _{ev} [W] | 44845 | 37506 | 31089 | 25496 | 20645 | 16459 | 12871 | 9820 |
| P [kW] | 16.05 | 15.21 | 14.24 | 13.16 | 11.98 | 10.73 | 9.42 | 8.09 |
| I [A] | 27.2 | 25.9 | 24.4 | 22.8 | 21.2 | 19.46 | 17.78 | 16.19 |
| Q _c [W] | 60094 | 51959 | 44618 | 37995 | 32024 | 26650 | 21824 | 17503 |
| COP [-] | 2.79 | 2.47 | 2.18 | 1.94 | 1.72 | 1.53 | 1.37 | 1.21 |
| m [kg/h] | 1521 | 1249 | 1020 | 825 | 661 | 522 | 405 | 307 |
| Op. | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| th [°C] | 77.8 | 84.1 | 90.8 | 97.9 | 105.6 | 114.0 | 123.1 | 133.3 |

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

Application Limits 100% 4N-20.2

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