

TECHNICAL DATASHEET: YH69A7

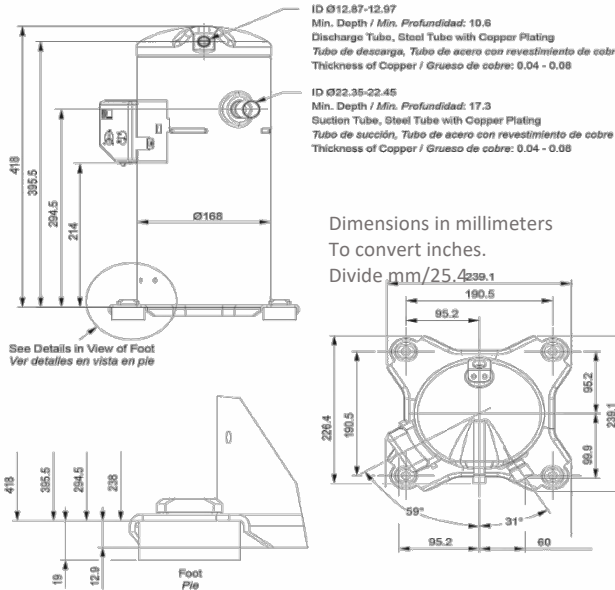
| Archivo | Revisión | Elaboro | Hoja |
|------------|----------|---------|------|
| YH69A7_TDS | 03/2023 | RGE | 1 |

| TEST CONDITION AHRI-540-2020 HIGH TEMPERATURE/AIR CONDITINING/CHILLERS | | | | | | REFRIGERANT | ELECTRIC SUPPLY | TOLERANCE |
|--|----|-----|----|----|-------|-------------|-----------------------|-----------|
| Units | Te | Tc | SH | SC | Tret. | R-22 | 208-230V /3PH/50-60Hz | ± 10% |
| Imperial °F | 45 | 130 | 20 | 15 | 65 | | | |

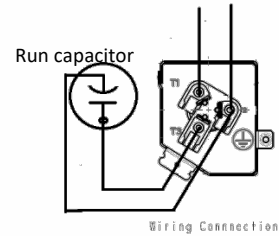
| NOMINAL TEST CONDITION PARAMETERS | Value | Imperial | Value | International | Comments |
|---------------------------------------|--------|----------|--------|-----------------------|----------|
| Frigorific potency | 27902 | Btuh | 10,864 | Watt | |
| Instant energy consumption | 2569 | Watt | 3,386 | Watt | |
| Efficiency BTUh/W (EER) W/W (COP) | 10.94 | Btuh/W | 3.21 | W/W | |
| Nominal current consumption | 8.09 | A | 11 | A | |
| Nominal Displacement | 3.01 | ln/Rev | 38.5 | Cm ² /Rev. | |
| Total heat rejection | 48,593 | Btuh | 14,250 | Watt | |

| Mechanical data | |
|--------------------------|------------------|
| Displacement at 3500 RPM | 6.11 CFM |
| Commercial Horsepower | 2 HP |
| Compressor Weight | 31 kg (68.2 Lb.) |
| 3GS Oil original charge | 1.4 L (49 Oz.) |
| 3GS oil refilling charge | 1.25 L (44 Oz.) |
| Center holes mounting | 7.5 x 7.5 in |
| Required food print | 9.5 x 9.5 in |
| Total height | 418mm 16.5 in |
| Ø Discharge tube | ½" |
| Ø Suction Tube | 7/8" |

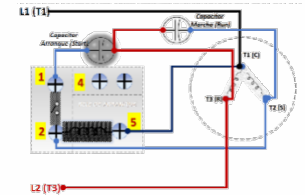
| Electrical data | |
|---------------------------|----------------|
| Max braker protection | 15.5A |
| Locked Rotor Amp. LRA | 99A |
| Voltage range | 208 – 230 V AC |
| Phases | 1 |
| Electric supply frequency | 50 - 60 HZ |
| VFD app range | 30 - 70 Hz |
| Run capacitor | |
| Start capacitor | None |
| Start relay | None |
| Crankcase heater | 70 W |



Ending model: N10₂



Ending model:



| Frigorific potency in Btuh performance at different conditions in °F | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| ↓Tc Te→ | -13 | 0 | 10 | 20 | 30 | 40 | 50 | 54 |
| 77 | 10006 | 14036 | 17759 | 22096 | 27082 | 32820 | 39377 | 42212 |
| 80 | 9836 | 13831 | 17520 | 21789 | 26741 | 32444 | 38933 | 41802 |
| 90 | 9221 | 13114 | 16700 | 20833 | 25648 | 31181 | 37499 | 40265 |
| 100 | 8606 | 12363 | 15812 | 19808 | 24453 | 29815 | 35928 | 38626 |
| 110 | | 11612 | 14924 | 18749 | 23223 | 28380 | 34288 | 36884 |
| 120 | | | 13968 | 17656 | 21925 | 26877 | 32547 | 35040 |
| 130 | | | | 16495 | 20559 | 25272 | 30702 | 33093 |

| Instantaneous potency in W performance at different conditions in °F | | | | | | | | |
|--|------|------|------|------|------|------|------|------|
| ↓Tc Te→ | -13 | 0 | 10 | 20 | 30 | 40 | 50 | 54 |
| 77 | 1228 | 1308 | 1349 | 1378 | 1400 | 1423 | 1452 | 1467 |
| 80 | 1278 | 1358 | 1398 | 1427 | 1449 | 1472 | 1500 | 1515 |
| 90 | 1455 | 1533 | 1571 | 1598 | 1619 | 1641 | 1669 | 1683 |
| 100 | 1655 | 1729 | 1765 | 1789 | 1808 | 1827 | 1853 | 1867 |
| 110 | | 1953 | 1986 | 2006 | 2022 | 2038 | 2061 | 2074 |
| 120 | | | 2241 | 2257 | 2269 | 2281 | 2300 | 2312 |
| 130 | | | | 2549 | 2555 | 2562 | 2577 | 2586 |

| Current consumption in Ampere | | | | | | | | |
|-------------------------------|------|------|------|------|------|------|------|--|
| -13 | 0 | 10 | 20 | 30 | 40 | 50 | 54 | |
| 1655 | 1729 | 1765 | 1789 | 1808 | 1827 | 1853 | 1867 | |
| | 1953 | 1986 | 2006 | 2022 | 2038 | 2061 | 2074 | |
| | | 2241 | 2257 | 2269 | 2281 | 2300 | 2312 | |
| 5.9 | 6.07 | 6.15 | 6.21 | 6.26 | 6.3 | 6.37 | 6.4 | |
| | 6.58 | 6.66 | 6.71 | 6.75 | 6.79 | 6.85 | 6.88 | |
| | | 7.27 | 7.31 | 7.34 | 7.38 | 7.42 | 7.45 | |
| | | | 8.04 | 8.06 | 8.08 | 8.11 | 8.14 | |

| Mass flow in Lb/h | | | | | | | | |
|-------------------|-------|-------|--------|--------|--------|--------|--------|--|
| -13 | 0 | 10 | 20 | 30 | 40 | 50 | 54 | |
| 56.42 | 79.33 | 99.38 | 122.03 | 147.81 | 177.12 | 210.52 | 225.1 | |
| 56.04 | 78.98 | 99.07 | 121.75 | 147.58 | 176.94 | 210.4 | 225 | |
| 54.79 | 77.8 | 97.96 | 120.73 | 146.66 | 176.13 | 209.72 | 224.38 | |
| 53.56 | 76.54 | 96.71 | 119.49 | 145.45 | 174.97 | 208.62 | 223.31 | |
| | 75.17 | 95.27 | 118 | 143.92 | 173.42 | 207.07 | 221.75 | |
| | | 93.6 | 116.21 | 142.03 | 171.43 | 205 | 219.66 | |
| | | | 114.09 | 139.73 | 168.97 | 202.4 | 217.01 | |