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|  INVOTECH | Invotech Scroll Compressor Specification |
| Comp Model | Air-condition Used Comp YH150C1-100 |

*1 Compressor Basic Performance Specification

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|---|-----------------------------------|
| Model | YH150C1-100 |
| Refrigerant | R410A |
| Cap (W) ^(a) | 15000 |
| Displacement(m ³ /h) | 10.3 |
| Power Input (W) ^(a) | 4854 |
| Running Current (A) ^(a) | 8.6 |
| Coefficient Of Performance (COP) ^(a) | 3.09 |
| Rated Voltage (V) | 380V |
| Phase/Hertz | 3P/50Hz |
| Lowest Running Voltage (V) | 342 |
| Highest Running Voltage (V) | 418 |
| Lock Rotor Current (A) | 60 |
| Highest Running Current (A) ^(b) | 13.0 |
| Motor Speed (R/Min) ^(c) | 2900 |
| Comp Weight With Oil (Kg) | 31 |
| Oil | POE (Coefficient Of Viscosity 32) |
| Oil Charge (First Charge, L) | 1.40 |
| (Recharge, L) | 1.25 |
| Lowest Voltage Start (V) ^(d) | 323 |
| MOV (V) ^(e) | 342 |
| Motor Insulation Temperature | 130°C |
| Resistance @ 25 °C Ambient (Ω) | 2.45(± 10%) |
| Insulation Voltage (V) | 2000 |
| Leakage Current (mA) | <5 |
| Insulation Resistance (mΩ) | >20 |
| Ground Resistance (Ω) | <0.1 |
| Oil Circulation (%) ^(f) | Less Than 1% |
| Sound (Sound Power) ^(g) | 69 |
| Maximum Vib (mm, Peak-Peak) ^(h) | <0.10 |
| Maximum Moisture (mg) | < 500 |
| Maximum Impurity (mg) | < 100 |
| Highest Running Pressure | |
| High Side (Mpa) | 4.3 |
| Low Side (Mpa) | 2.0 |

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NOTES:

- a) Test Condition: First Rated Running Point
- b) Test Condition: ET 11.9°C, CT 65.5°C, Running @ 90% Rated Voltage
- c) Test Condition: 380V, 50Hz, First Rated Running Point
- d) Discharge Pressure / Suction Pressure = Refrigerant Saturation Pressure @40°C (Absolute Pressure)
- e) Test Condition: Suction Pressure / Discharge Pressure = Refrigerant Saturation Pressure @11.9 °C / Refrigerant Saturation Pressure @65.5°C, Superheat 11.9°C, Sub cooling 8.3°C
- f) Mass Flow Under First Rated Point
- g) Running @ First Rated Running Point, Average Of Sound Power, Maximum Sound Power Is Less Than 74 dB(A)
- h) Running @ First Rated Running Point, Maximum Displacement Under Normal Direction When Compressor Running

*2 Standard Configuration:

- Ground Screw
- Welding Suction Fitting And Discharge Fitting
- Square Terminal Box Cover
- Without Liquid Injection Nor Vapour Injection
- Without Oil Sight Glass
- Mount Kits (4 Sets)

*3 Test Condition (380V, 50 HZ), Capacity And COP Is No Less Than 95% Normal Specification, Power And Current Is No More Than 105% Normal Specification (Performance And Sound Test Need 24hrs Break In Running At Max Load Running Condition ^(e))

| Seq | Parameter | First Rated Running Point |
|-----|---------------|---------------------------|
| 1 | Evaporating T | 7.2 °C |
| 2 | Condensing T | 54.4 °C |
| 3 | Ambient T | 35.0 °C |
| 4 | Return Gas T | 18.3 °C |
| 5 | Superheat K | 11.1 |
| 6 | Subcooling K | 8.3 |

*4 Internal Protection Parts

- Internal Motor Protector
- Internal Pressure Release Valve

Pressure Release Valve Open Range: 3.97--4.31Mpa

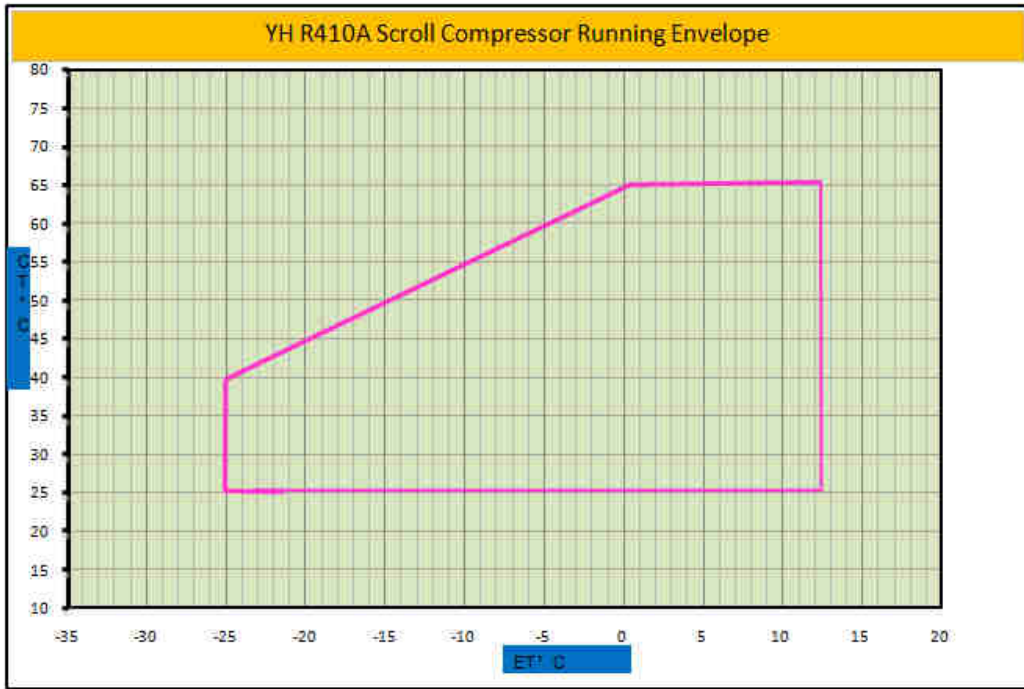


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*5 Compressor Running Envelope

Compressor Running @ 11.1°C Superheat, 8.3°C Subcooling



*6 Compressor Performance Data Sheet

| Invotech Scroll Compressor YH150C1-100 Performance Sheet | | | | | | | | |
|--|----|------|------|-------|-------|-------|-------|-------|
| 工况 | | -20 | -15 | -10 | -5 | 0 | 5 | 10 |
| Cap W | 65 | | | | | 9142 | 11579 | 14152 |
| | 55 | | | 7243 | 9722 | 11899 | 14200 | 16963 |
| | 50 | | 6385 | 8386 | 10748 | 12964 | 15343 | 18250 |
| | 45 | 5445 | 7401 | 9244 | 11627 | 13931 | 16391 | 19489 |
| | 40 | 6222 | 8151 | 9959 | 12457 | 14802 | 17440 | 20680 |
| | 35 | 7024 | 8779 | 10626 | 13190 | 15672 | 18440 | 21871 |
| | 25 | 7389 | 9408 | 11293 | 13923 | 16543 | 19441 | 23062 |
| Power W | 65 | | | | | 6316 | 6284 | 6284 |
| | 55 | | | 5027 | 5028 | 5004 | 4979 | 4979 |
| | 50 | | 4444 | 4457 | 4479 | 4475 | 4452 | 4457 |
| | 45 | 3994 | 4019 | 3983 | 3998 | 3994 | 3973 | 3988 |
| | 40 | 3556 | 3594 | 3557 | 3571 | 3571 | 3557 | 3577 |
| | 35 | 3182 | 3208 | 3176 | 3192 | 3197 | 3195 | 3224 |
| | 25 | 2808 | 2822 | 2794 | 2813 | 2823 | 2832 | 2871 |

Cap. And Power Data in Grey-green Area Is Tested @ 11.1°C Superheat, 8.3°C subcooling
 X-axis Ordinate Is Evaporating T (°C), Y-axis Ordinates Is Condensing T (°C)