
 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	Air-Condition Used Comp YH69T1-100

*1 Compressor Basic Performance Specification

Model	YH69T1-100
Refrigerant	R407C
Cap (W) ^(a)	6530
Power Input (W) ^(a)	2160
Running Current (A) ^(a)	4.8
Capacity Over Power (COP) ^(a)	3.02
Rated Voltage (V)	380V
Phase/Hertz	3P/50Hz
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current (A) ^(a)	45.0
Highest Running Current (A) ^(b)	6.2
Motor Speed (R/Min) ^(c)	2900
Comp Weight With Oil (Kg)	30
Oil	3GS (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)	3.3 (± 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)	68
Maximum Vib (mm, Peak-Peak) ^(h)	<0.09
Maximum Moisture (mg)	< 500
Maximum Impurity (mg)	< 100
Highest Running Pressure	
High Side (Mpa)	3.0
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, Subcooling 8.3°C
- f) Mass Flow Under First Rated Point
- g) Running @ ARI Condition, Average Of Sound Power, Maximum Sound Power Is Less Than 73 dB(A)
- h) Running @ ARI Condition, 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 Allowed Normal Specification Tolerance Is - 5%, Power And Current Allowed Normal Specification Tolerance Is + 5% (Performance And Sound Test after 20hrs Break-In-Run)

Seq	Parameter	First Rated Running Point	Second Rated Running Point
1	Evaporating T	7.2 °C	7.2 °C
2	Condensing T	54.4 °C	47.2 °C
3	Ambient T	35.0 °C	35.0 °C
4	Return Gas T	18.3 °C	18.3 °C
5	Superheat K	11.1	11.1
6	Subcooling K	8.3	8.3

*4 Internal Protection Parts

- Internal Motor Protector
- Internal Pressure Release Valve

Pressure Release Valve Open Range: 2.76--3.10Mpa

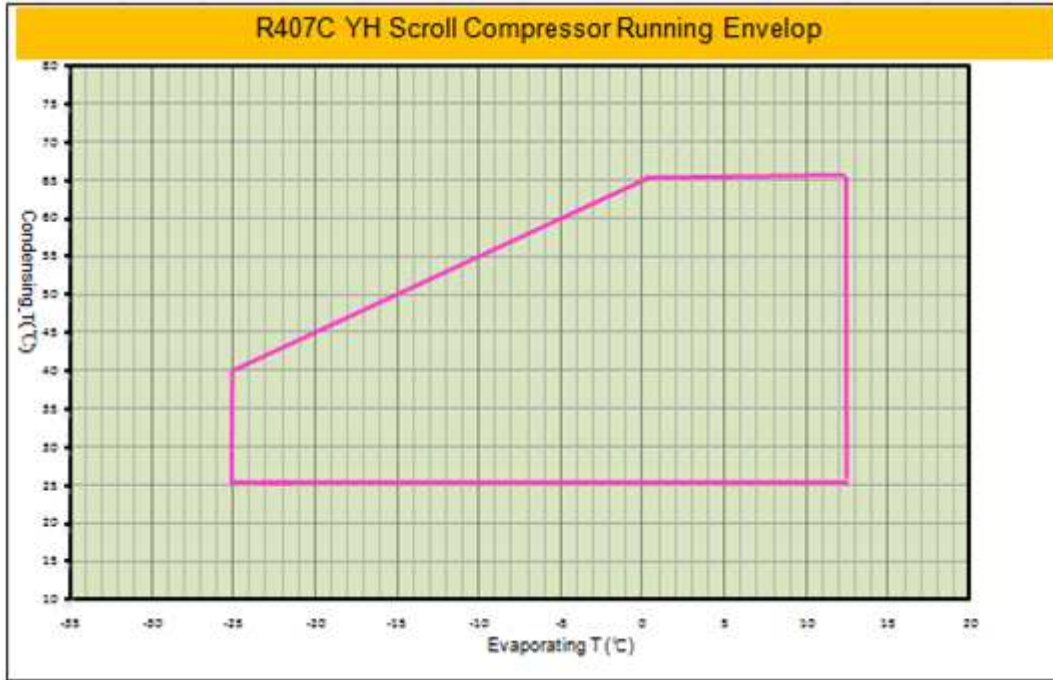


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*5 Compressor Running Envelope

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



*6 Compressor Performance Data Sheet

Invotech Scroll Compressor YH69T1-100 Performance Sheet								
	工况	-20	-15	-10	-5	0	5	10
Cap w	65					4353	5478	6613
	55			3646	4262	5083	6075	7410
	50		2873	3757	4497	5361	6498	7781
	45	2548	3056	3841	4738	5645	6792	8145
	40	2638	3240	4080	4978	5926	7077	8472
	35	2727	3423	4320	5217	6206	7362	8799
	25	2816	3606	4397	5659	6708	7857	8638
Power w	65					2408	2473	2562
	55			2064	2097	2114	2130	2172
	50		1825	1873	1900	1937	1974	2036
	45	1635	1664	1771	1691	1748	1806	1888
	40	1519	1567	1661	1613	1653	1694	1760
	35	1403	1471	1552	1534	1559	1583	1632
	25	1172	1255	1347	1378	1397	1416	1461

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)