
	InvoTech Scroll Compressor Specifications
Model	Air-Condition Used Comp YH104T1-100

*1 Compressor Basic Performance Specifications

Model	YH104T1-100
Refrigerant	R407C
Cap (W) ^(a)	10180
Power Input (W) ^(a)	3190
Running Current (A) ^(a)	6.6
Capacity Over Power (COP) ^(a)	3.19
Rated Voltage (V)	380V
Phase/Hertz	3P/50Hz
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current (A) ^(a)	60.0
Highest Running Current (A) ^(b)	8.7
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)	3.0
Low Side (Mpa)	2.0

 INVOTECH	InvoTech Scroll Compressor Specifications
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NOTES:

- a) Test Condition: First Rated Running Point
- b) Test Condition: ET 19.9°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 74 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



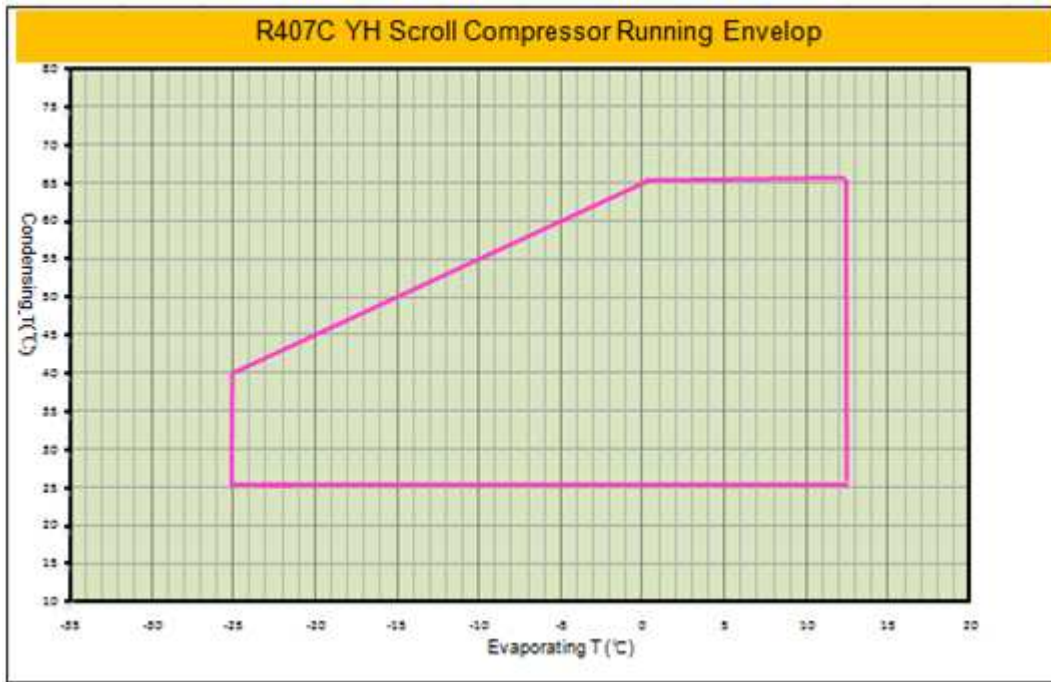
Invotech Scroll Compressor Specifications

Model	Air-Condition Used Comp YH104T1-100
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Pressure Release Valve Open Range: 2.76--3.10Mpa

*5 Compressor Running Envelop

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



*6 Compressor Performance Data Sheet

Invotech Scroll YH104T1-100 Compressor Performance Sheet								
工况	-20	-15	-10	-5	0	5	10	
Cap W	65				6966	8766	10582	
	55			5835	6821	8135	9721	11858
	50		4598	6012	7196	8578	10398	12451
	45	4078	4891	6146	7583	9034	10869	13034
	40	4221	5184	6529	7965	9482	11325	13558
	35	4363	5478	6913	8348	9931	11781	14081
	25	4506	5771	7036	9055	10734	12574	13823
Power W	65				3583	3687	3821	
	55			3078	3111	3144	3177	3240
	50		2721	2793	2818	2881	2944	3036
	45	2439	2481	2641	2506	2599	2692	2815
	40	2265	2337	2477	2389	2458	2526	2624
	35	2091	2194	2314	2272	2316	2360	2433
	25	1748	1871	2008	2039	2075	2112	2178

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)