
 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	Air-condition Used Comp YH95C1-100

*1 Compressor Basic Performance Specification

Model	YH95C1-100
Refrigerant	R410A
Cap (W) ^(a)	9500
Displacement(m ³ /h)	6.7
Power Input (W) ^(a)	3170
Running Current (A) ^(a)	5.8
Coefficient Of Performance (COP) ^(a)	3.0
Rated Voltage (V)	380V
Phase/Hertz	3P/50Hz
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current (A)	45
Highest Running Current (A) ^(b)	7.5
Motor Speed (R/Min) ^(c)	2900
Comp Weight With Oil (Kg)	30
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)	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)	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 73 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

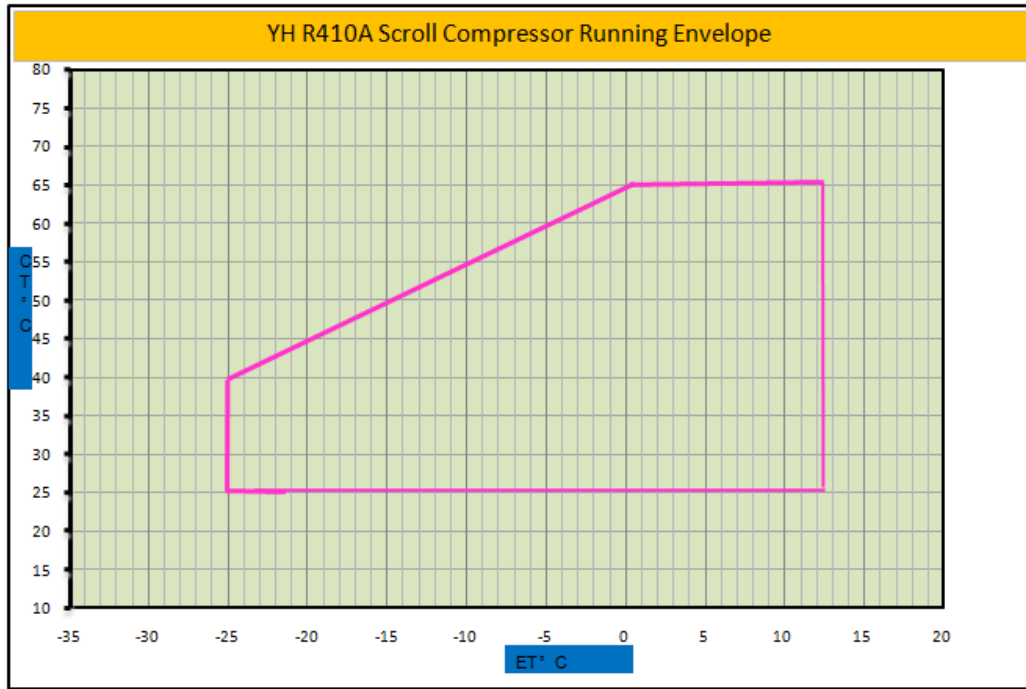


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*5 Compressor Running Envelope

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



*6 Compressor Performance Data Sheet

Invotech Scroll Compressor YH95C1-100 Performance Sheet								
	工况	-20	-15	-10	-5	0	5	10
Cap Ψ	65					5326	6745	8244
	55			4219	5663	6932	8272	9881
	50		3719	4885	6261	7552	8938	10631
	45	3172	4311	5385	6773	8115	9548	11353
	40	3625	4748	5801	7257	8622	10159	12047
	35	4092	5114	6190	7684	9130	10742	12740
	25	4304	5481	6578	8111	9637	11325	13434
Power Ψ	65					3751	3731	3731
	55			2985	2986	2972	2956	2956
	50		2639	2646	2660	2657	2644	2646
	45	2372	2387	2365	2374	2372	2359	2368
	40	2112	2134	2113	2121	2121	2113	2124
	35	1890	1905	1886	1895	1898	1897	1915
	25	1668	1676	1659	1670	1676	1682	1705

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)