 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	Air-condition Used Comp YH119C1-100

*1 Compressor Basic Performance Specification

Model	YH119C1-100
Refrigerant	R410A
Cap (W) ^(a)	11900
Displacement(m ³ /h)	8.0
Power Input (W) ^(a)	3888
Running Current (A) ^(a)	7.4
Coefficient Of Performance (COP) ^(a)	3.06
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)	9.9
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)	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 73dB(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

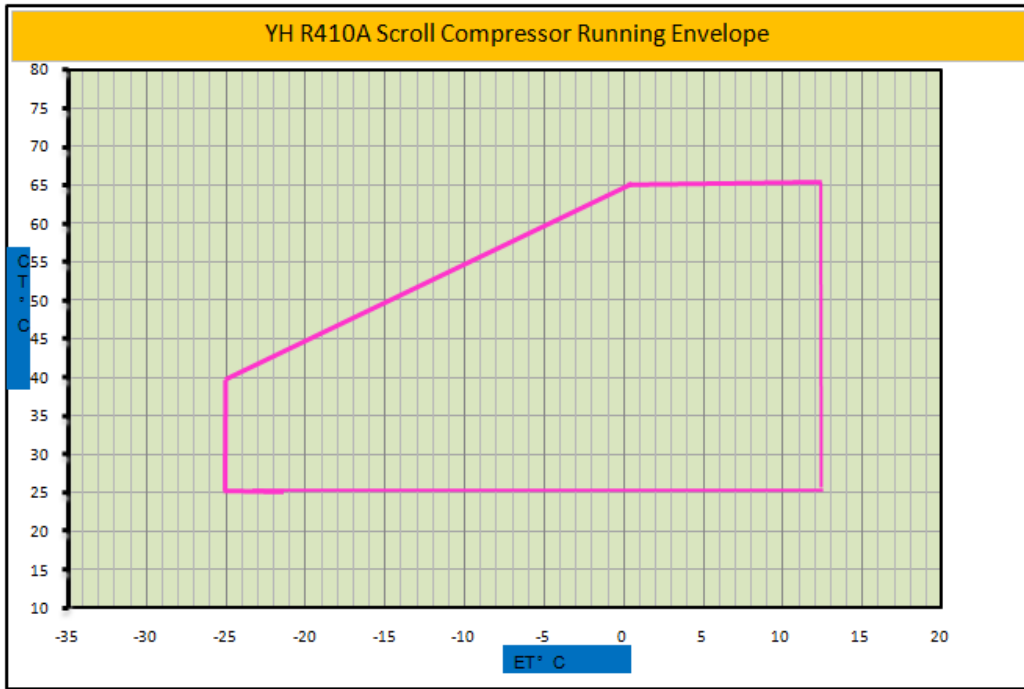


Invotech Scroll Compressor Specification

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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 YH119C1-100 Performance Sheet								
	工况	-20	-15	-10	-5	0	5	10
Cap W	65					7097	8988	10985
	55			5622	7546	9237	11022	13168
	50		4956	6510	8343	10063	11910	14166
	45	4226	5745	7176	9025	10814	12724	15128
	40	4830	6327	7730	9670	11490	13537	16053
	35	5453	6815	8248	10239	12166	14314	16977
	25	5736	7303	8766	10808	12841	15091	17902
Power W	65					4950	4925	4925
	55			3940	3941	3922	3902	3902
	50		3483	3493	3511	3507	3489	3493
	45	3130	3150	3122	3134	3130	3114	3125
	40	2787	2817	2788	2799	2799	2788	2803
	35	2494	2515	2489	2502	2506	2504	2527
	25	2201	2212	2190	2205	2212	2220	2250

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)