




# Invotech Scroll Compressor Specification

Comp Model	Air-condition Used Comp YH266C1-100
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## \*1 Compressor Basic Performance Specification

Model	YH266C1-100
Refrigerant	R410A
Cap (W) <sup>(a)</sup>	26600
Displacement(m <sup>3</sup> /h)	17.4
Power Input (W) <sup>(a)</sup>	8340
Running Current (A) <sup>(a)</sup>	14.8
Coefficient Of Performance (COP) <sup>(a)</sup>	3.19
Rated Voltage (V)	380V
Phase/Hertz	3P/50Hz
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current (A)	117
Highest Running Current (A) <sup>(b)</sup>	21.1
Motor Speed (R/Min) <sup>(c)</sup>	2900
Comp Weight With Oil (Kg)	53
Oil	POE (Coefficient Of Viscosity 32)
Oil Charge (First Charge, L)	2.70
(Recharge, L)	2.60
Lowest Voltage Start (V) <sup>(d)</sup>	323
MOV (V) <sup>(e)</sup>	342
Motor Insulation Temperature	130°C
Resistance @ 25 °C Ambient (Ω)	1.08( ± 10%)
Insulation Voltage (V)	2000
Leakage Current (mA)	<5
Insulation Resistance (mΩ)	>20
Ground Resistance (Ω)	<0.1
Oil Circulation (%) <sup>(f)</sup>	Less Than 1%
Sound (Sound Power) <sup>(g)</sup>	72
Maximum Vib (mm, Peak-Peak) <sup>(h)</sup>	<0.12
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 77 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 <sup>(e)</sup>)

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

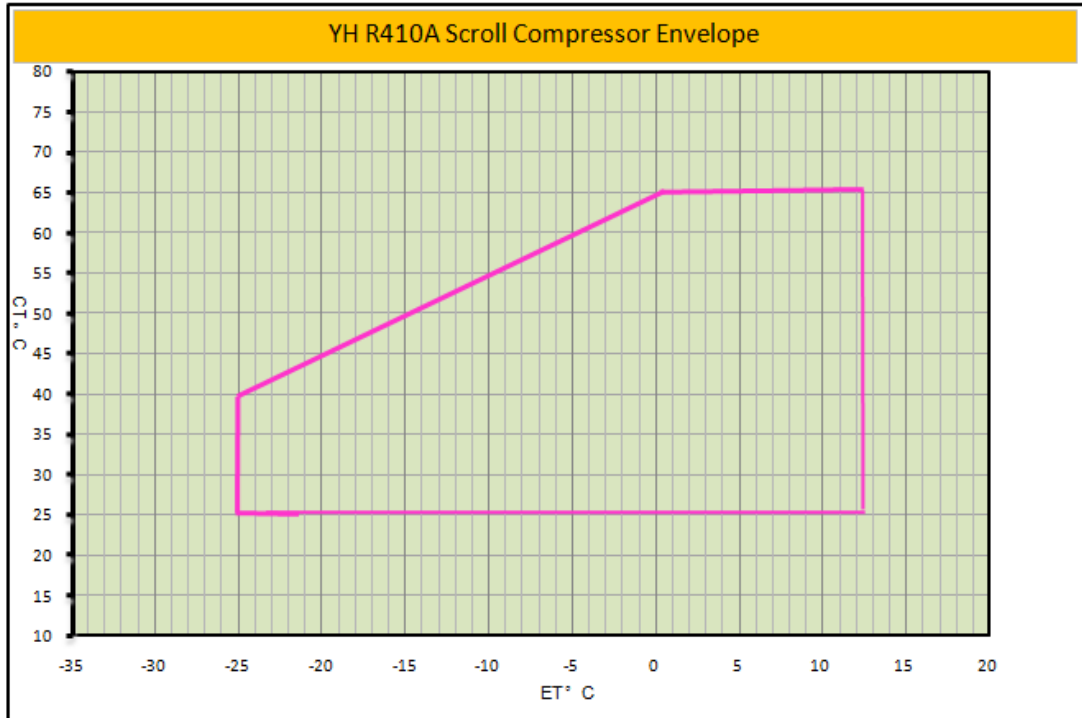


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Pressure Release Valve Open Range: 3.97--4.31Mpa

## \*5 Compressor Running Envelope



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

## \*6 Compressor Performance Data Sheet

Invotech Scroll Compressor YH266C1-100 Performance Sheet								
	工况	-20	-15	-10	-5	0	5	10
CapW	65					15799	20010	24457
	55			12517	16801	20564	24539	29315
	50		11034	14493	18574	22403	26515	31538
	45	9409	12790	15975	20093	24075	28327	33679
	40	10753	14085	17210	21528	25580	30139	35738
	35	12139	15172	18363	22795	27084	31868	37797
	25	12769	16259	19516	24061	28589	33597	39855
PowerW	65					10703	10648	10648
	55			8519	8521	8480	8437	8437
	50		7530	7552	7591	7583	7544	7552
	45	6767	6810	6749	6776	6767	6733	6758
	40	6026	6090	6029	6051	6051	6029	6061
	35	5393	5437	5381	5409	5417	5414	5463
	25	4759	4783	4734	4767	4783	4800	4865

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)