 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	Air-condition Used Comp YH325C1-100

*1 Compressor Basic Performance Specification

Model	YH325C1-100
Refrigerant	R410A
Cap (W) ^(a)	32500
Displacement(m ³ /h)	21.4
Power Input (W) ^(a)	10100
Running Current (A) ^(a)	17.4
Coefficient Of Performance (COP) ^(a)	3.22
Rated Voltage (V)	380V
Phase/Hertz	3P/50Hz
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current (A)	121
Highest Running Current (A) ^(b)	25.0
Motor Speed (R/Min) ^(c)	2900
Comp Weight With Oil (Kg)	54
Oil	POE (Coefficient Of Viscosity 32)
Oil Charge (First Charge, L)	2.70
(Recharge, L)	2.60
Lowest Voltage Start (V) ^(d)	323
MOV (V) ^(e)	342
Motor Insulation Temperature	130°C
Resistance @ 25 °C Ambient (Ω)	1.06(± 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)	73
Maximum Vib (mm, Peak-Peak) ^(h)	<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 78 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

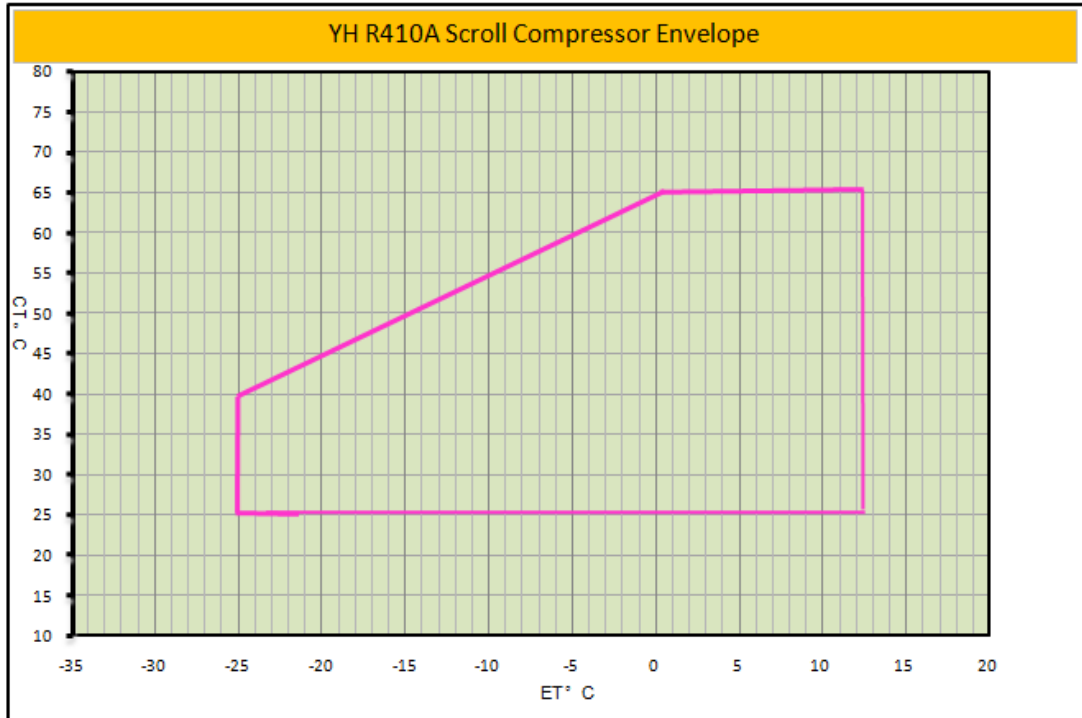


Invotech Scroll Compressor Specification

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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 YH325C1-100 Performance Sheet								
	工况	-20	-15	-10	-5	0	5	10
Cap W	65					18995	24057	29403
	55			15048	20199	24723	29502	35244
	50		13266	17424	22330	26934	31878	37917
	45	11312	15377	19206	24157	28944	34056	40491
	40	12928	16934	20691	25883	30753	36234	42966
	35	14595	18241	22077	27405	32562	38313	45441
	25	15352	19547	23463	28928	34371	40392	47916
Power W	65					12740	12675	12675
	55			10140	10143	10094	10043	10043
	50		8964	8990	9036	9026	8980	8990
	45	8056	8107	8034	8065	8056	8015	8044
	40	7174	7250	7176	7203	7203	7176	7215
	35	6419	6471	6406	6439	6448	6445	6503
	25	5664	5693	5636	5674	5694	5714	5792

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)