
 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	Air-condition Used Comp YH200T1-100

*1 Compressor Basic Performance Specification

Model	YH200T1-100
Refrigerant	R407C
Cap (W) ^(a)	19200
Displacement(m ³ /h)	18.7
Power Input (W) ^(a)	5950
Running Current (A) ^(a)	11.5
Coefficient Of Performance (COP) ^(a)	3.23
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) ^(b)	15.7
Motor Speed (R/Min) ^(c)	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) ^(d)	323
MOV (V) ^(e)	342
Motor Insulation Temperature	130°C
Resistance @ 25 °C Ambient (Ω)	1.09(± 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)	3.0
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

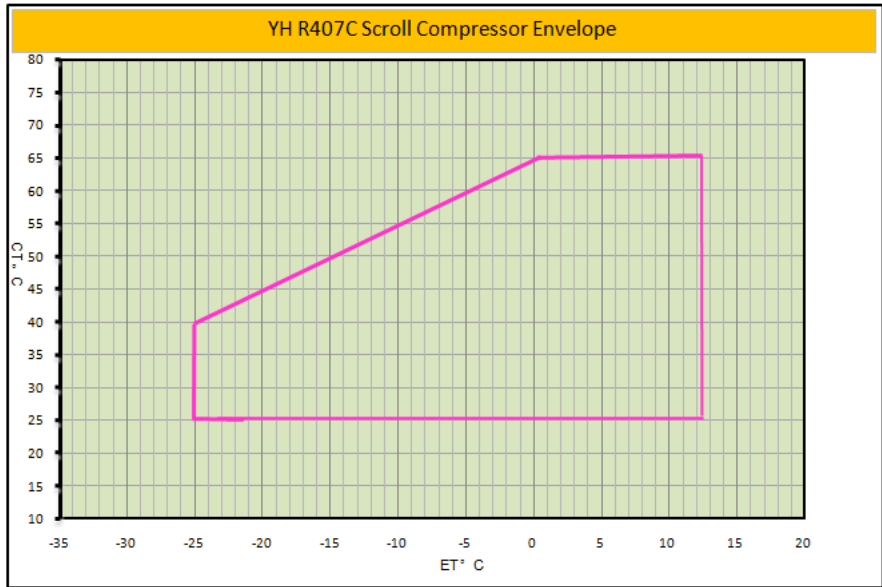
Pressure Release Valve Open Range: 3.97--4.31Mpa



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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 YH200T1-100 Compressor Performance Sheet								
	工况	-20	-15	-10	-5	0	5	10
Cap Ψ	65					14236	15448	18683
	55			10222	12229	14993	18097	21469
	50		8829	10693	13145	16018	19248	22593
	45	7568	9202	11434	14093	17044	20356	23690
	40	7869	9805	12134	14834	17916	21195	24814
	35	8374	10414	12860	15662	18700	22028	25938
	25	9136	11291	13561	16616	19583	23312	26926
Power W	65					7703	7770	7836
	55			6106	6154	6178	6233	6275
	50		5365	5443	5515	5540	5624	5672
	45	4768	4804	4895	4919	4979	5009	5172
	40	4238	4340	4364	4424	4497	4503	4678
	35	3744	3828	3936	4002	4035	4117	4256
	25	3207	3315	3448	3526	3677	3695	3743

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)