
 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	Semi-Hermetic Refrigeration Used Comp YSM260E1G-100

*1 Compressor Basic Performance Specification

Model	YSM260E1G-100
Refrigerant	R404A
Cap (W) ^(a)	25688
Displacement(m ³ /h)	42.5
Power Input (W) ^(a)	13150
Running Current (A) ^(a)	23.0
Coefficient Of Performance (COP) ^(a)	1.95
Rated Voltage (V)	380V
Phase/Hertz	3P/50Hz
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current (A)	148.5
Highest Running Current (A) ^(b)	32.8
Motor Speed (R/Min) ^(c)	2900
Comp Weight With Oil (Kg)	90
Oil	POE (Coefficient Of Viscosity 32)
Oil Charge (First Charge, L)	3.20
(Recharge, L)	3.00
Lowest Voltage Start (V) ^(d)	323
MOV (V) ^(e)	342
Motor Insulation Temperature	130°C
Resistance @ 25 °C Ambient (Ω)	0.7(± 10%)
Insulation Voltage (V)	2000
Leakage Current (mA)	<5
Insulation Resistance (mΩ)	>20
Ground Resistance (Ω)	<0.1
Oil Circulation (%) ^(f)	Less Than 2%
Sound (Sound Power) ^(g)	75
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 10, CT 65°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 @10°C / Refrigerant Saturation Pressure @65°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 80 dB(A)
- h) Running @ First Rated Running Point, Maximum Displacement Under Normal Direction When Compressor Running

*2 Standard Configuration:

- Ground Screw
- Suction Fitting And Discharge Fitting connected by high pressure stop valve
- Square Terminal Box Cover
- Without Liquid Injection Nor Vapour Injection
- With 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	-6.7 °C
2	Condensing T	48.9 °C
3	Ambient T	35.0 °C
4	Return Gas T	4.4 °C
5	Superheat K	11.1
6	Subcooling K	0

*4 Internal Protection Parts

- Internal Motor Protector
- Internal Pressure Release Valve

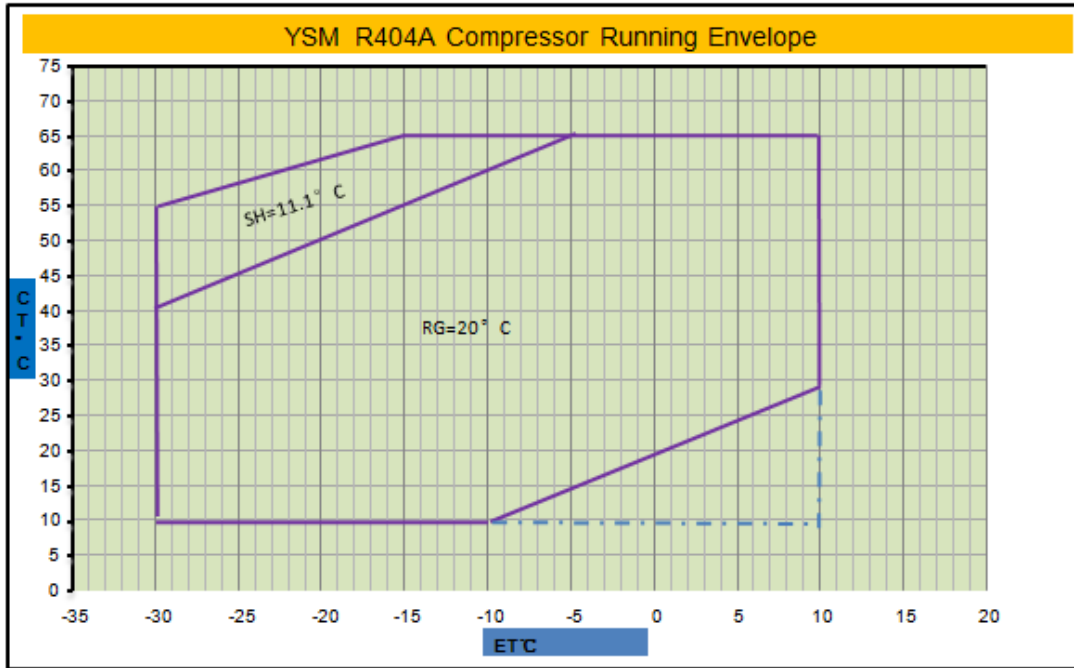


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Pressure Release Valve Open Range: 2.76--3.10Mpa

*5 Compressor Running Envelope



*6 Compressor Performance Data Sheet

Invotech Scroll Compressor YSM260E1G-100 R404A Performance Sheet										
		-30	-25	-20	-15	-10	-5	0	5	10
Cap W	60			12150	15124	18510	23009	29398	37526	47244
	50	11166	11927	13831	17397	22477	28921	36579	45300	54936
	40	11836	14696	19368	25029	31527	38713	46437	54550	62902
	30	15000	20779	27019	33570	40284	47011	53600	59902	65767
Power W	60			16368	17332	17814	17986	18025	18103	18397
	50	11181	12621	13404	13706	13701	13564	13469	13591	14105
	40	9346	10070	10316	10256	10066	9921	9995	10462	11498
	30	7408	7719	7728	7608	7535	7683	8227	9342	11201

Cap And Power Is Under 20C Return Gas, 0 C Sub cooling.

Cap And Power Of Pink Area Is Under 11.1C Superheat, 0C sub cooling.



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*7 Compressor Outline Dimensions

