
 INVOTECH	Invotech Scroll Compressor Specification
Comp Model	High Temperature Used Comp YW200J1-100

*1 Compressor Basic Performance Specification

Model	YW200J1-100
Refrigerant	R134A
Heating Cap(W) (a)	25360
Displacement(m ³ /h)	29.1
Power Input (W) ^(a)	5760
Running Current (a) ^(a)	11.4
COP ^(a)	4.40
Rated Voltage (V)	380
Phase-Hz	3 P - 50 HZ
Lowest Running Voltage (V)	342
Highest Running Voltage (V)	418
Lock Rotor Current ^(a)	121
Highest Running Current ^(b)	20.3
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 (Ω) (25 °c)	1.06(± 10%)
Insulation And Voltage Resistance (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)	76
Maximal Vib (mm, Peak-Peak) ^(h)	<0.12
Maximal Moisture (mg)	< 500
Maximal Impurity (mg)	< 100
Highest Running Pressure	
High Side (Mpa)	3.0
Low Side (Mpa)	2.0

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Instruction For Performance Specification Running Condition

- a) Test Condition: First Rated Running Point
- b) Test Condition: ET:25C, CT:85C, Running Voltage @ 90% Rated Voltage
- c) Test Condition: 380V, 50HZ, First Rated Running Point
- d) Discharge Pressure / Suction Pressure= Refrigerant Saturation Pressure @40C (Absolute Pressure) .
- e) Test Condition: Suction Pressure / Discharge Pressure = Refrigerant Saturation Pressure @25 C / Refrigerant Saturation Pressure @85C, Superheat 11.9C, Sub cooling 8.3C
- f) Mass Flow Under First Rated Point
- g) ARI Condition, Average Of Sound Power , Maximal Sound Power Is Less Than 81dBA.
- h) Ari Condition, Maximal Displacement Under Normal Direction When Compressor Running.

*2 Standard Configuration:

- Ground Screw
- Welded Suction Fitting And Discharge Fitting
- Square Terminal Box Cover
- Without Liquid Injection and Without Vapour Injection
- Without Oil Sight Glass
- Mount Kits(4 Sets)

*3 Test Condition (380V, 50 HZ), Allowed Normal Specification Tolerance Is $\pm 5\%$
(Performance And Sound Test Neede20hrs Break In Running)

Seq	Parameter	First Rated Running Point
1	Evaporating T	7.2
2	Condensing T	54.4
3	Ambient T	35.0
4	Return Gas T	18.3
5	Superheat K	11.1
6	Subcooling K	8.3

*4 Internal Protection Parts

- Internal protector Protection
- Internal Pressure Release Valve Protection
Pressure Release Valve Open Range: 2.76--3.10Mpa

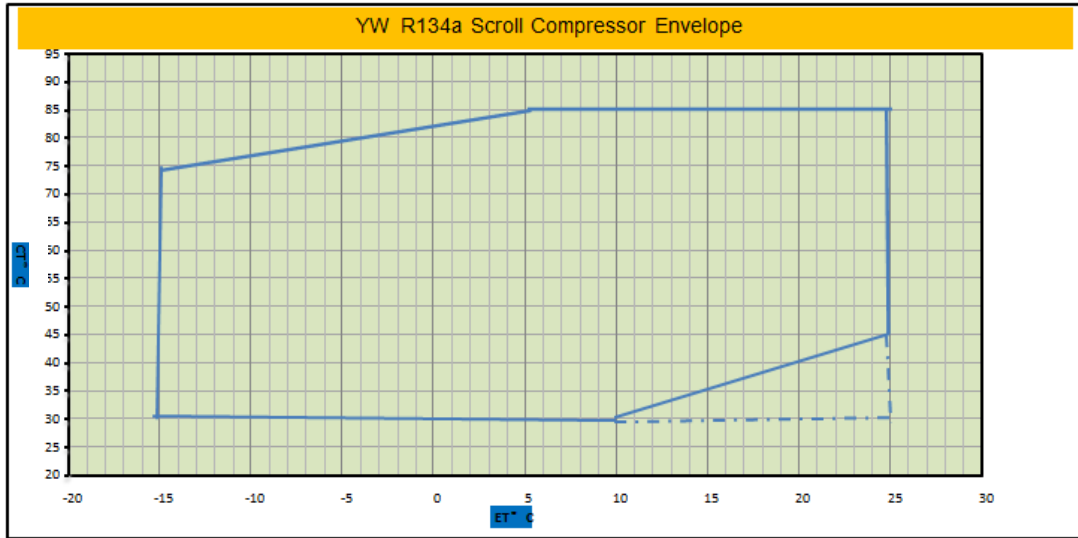


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*5 Compressor Running Envelop

In This Envelop, All Of The Test Condition Under The 11.1°C Superheat, 8.3°C Sub cooling.



*6 Compressor Performance Sheet

Invotech Scroll YW200J1-100 Performance Sheet										
		-15	-10	-5	0	5	10	15	20	25
Cap W	85					20226	23267	26635	30377	34540
	80			16387	18931	20664	23763	27223	31091	35414
	75	11373	13445	15726	18262	21101	24288	27871	31895	36408
	70	11692	13747	16045	18632	21555	24861	28596	32807	37540
	65	11926	13994	16339	19007	22046	25500	29418	33845	38828
	60	12092	14204	16627	19406	22589	26223	30353	35027	40290
	55	12210	14396	16926	19846	23205	27047	31420	36370	41944
	50	12298	14587	17254	20346	23910	27991	32637	37894	43809
	45	12372	14795	17630	20924	24723	29073	34022	39616	45901
	40	12452	15039	18072	21597	25661	30311	35593	41554	
35	12555	15336	18597	22384	26744	31723	37369			
30	12699	15705	19224	23303	27988	33327				
Power W	85					9795	10012	10291	10670	11187
	80			9424	9689	8864	9118	9438	9863	10432
	75	6845	7227	7526	7781	8031	8314	8668	9131	9742
	70	6069	6451	6756	7022	7288	7591	7970	8464	9111
	65	5405	5780	6083	6352	6625	6941	7338	7854	8527
	60	4845	5206	5499	5762	6035	6355	6761	7291	7984
	55	4381	4719	4993	5244	5508	5825	6232	6768	7472
	50	4004	4310	4559	4788	5036	5341	5741	6275	6982
	45	3704	3972	4186	4386	4609	4894	5280	5805	6506
	40	3474	3695	3867	4029	4220	4478	4841	5347	
35	3305	3470	3592	3709	3859	4081	4413			
30	3188	3290	3353	3417	3518	3697				

Cap And Power Is Under 11.1C Superheat, 8.3Csubcooling.