

Air-condition Used Comp YH3

YH355A7-210

*1 Compressor Basic Performance Specification

Cap (W)(a)43310Displacement(m3/h)39.5Power Input (W)(a)Running Current (A)(a)Coefficient Of Performance (COP)(a)Stated Voltage (V)220VPhase/Hertz3P/60HzLowest Running Voltage (V)198Highest Running Voltage (V)242Lock Rotor Current (A)290Highest Running Current (A)290Highest Running Current (A)290Highest Running Current (A)290Highest Running Current (A)290Comp Weight With Oil (Kg)54Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(±10%)nsulation Noltage (V)2000Leakage Current (mA)<5nsulation Resistance (Ω)<0.1Dil Circulation (%)77Maximum Vib (mm, Peak-Peak)77Maximum Moisture (mg)<500Maximum Inpurity (mg)<100	Model	YH355A7-210			
Displacement(m3/h)39.5Power Input (W) (a)12269Running Current (A) (a)36.8Coefficient Of Performance (COP) (a)3.53Rated Voltage (V)220VPhase/Hertz3P/60HzLowest Running Voltage (V)198Highest Running Voltage (V)242Lock Rotor Current (A)290Highest Running Current (A) (b)52.3Motor Speed (R/Min) (c)3500Comp Weight With Oil (Kg)54Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V) (d)187MOV (V) (a)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(± 10%)nsulation Notage (Ω)<20	Refrigerant	R22			
Power Input (W) (a)12269Running Current (A) (a)36.8Coefficient Of Performance (COP) (a)3.53Rated Voltage (V)220VPhase/Hertz3P/60Hzcowest Running Voltage (V)198Highest Running Voltage (V)242cock Rotor Current (A)290Highest Running Current (A)290Highest Running Current (A)290Highest Running Current (A)52.3Motor Speed (R/Min) (c)3500Comp Weight With Oil (Kg)54Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.60cowest Voltage Start (V) (a)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(± 10%)nsulation Resistance (mQ)>20Ground Resistance (Ω)<0.1	Cap (W) ^(a)	43310			
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Kultung Current (A)36.8Coefficient Of Performance (COP) 3.53 Rated Voltage (V) $220V$ Phase/Hertz $3P/60Hz$ Lowest Running Voltage (V) 198 Highest Running Voltage (V) 242 Lock Rotor Current (A) 290 Highest Running Current (A) 290 Comp Weight With Oil (Kg) 54 Dil $3GS$ (Coefficient Of Viscosity 32)Dil Charge (First Charge, L) 2.70 Lowest Voltage Start (V) 2.60 Lowest Voltage Start (V) 198 Motor Insulation Temperature $130^{\circ}C$ Resistance @ 25 °C Ambient (Ω) $0.22(\pm 10\%)$ nsulation Voltage (V) 2000 Leakage Current (mA) <5 nsulation Resistance (Ω) <0.1 Dil Circulation (%) (f)Less Than 1%Sound (Sound Power) (g) 77 Maximum Moisture (mg) <500 Maximum Moisture (mg) <500 Maximum Impurity (mg) <100 High Side (Mpa) 3.0	Power Input (W) ^(a)	12269			
Rated Voltage (V)220VPhase/Hertz $3P/60Hz$ Lowest Running Voltage (V)198Highest Running Voltage (V)242Lock Rotor Current (A)290Highest Running Current (A)52.3Motor Speed (R/Min) (c)3500Comp Weight With Oil (Kg)54Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.60Lowest Voltage Start (V) (d)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Q)0.22(± 10%)Insulation Voltage (V)2000Leakage Current (mA)<5	Running Current (A) ^(a)	36.8			
Phase/Hertz $3P/60Hz$ Lowest Running Voltage (V)198Highest Running Voltage (V)242Lock Rotor Current (A)290Highest Running Current (A)52.3Motor Speed (R/Min) (c)3500Comp Weight With Oil (Kg)54Oil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V) (d)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Q)0.22(± 10%)nsulation Noltage (V)2000Leakage Current (mA)<5	Coefficient Of Performance (COP) ^(a)	3.53			
Lowest Running Voltage (V)198Highest Running Voltage (V)242Lock Rotor Current (A)290Highest Running Current (A)52.3Motor Speed (R/Min)52.3Motor Speed (R/Min)54Comp Weight With Oil (Kg)54Oil3GS (Coefficient Of Viscosity 32)Oil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Q)0.22(± 10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Rated Voltage (V)	220V			
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Lock Rotor Current (A)290Highest Running Current (A)(b)52.3Motor Speed (R/Min)(c)3500Comp Weight With Oil (Kg)54Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V)187MOV (V)(e)MOV (V)(e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Q)0.22(±10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Lowest Running Voltage (V)	198			
Highest Running Current (A)(b)52.3Motor Speed (R/Min)(c)3500Comp Weight With Oil (Kg)54Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V)187MOV (V)(e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Q)0.22(± 10%)Insulation Voltage (V)2000Leakage Current (mA)<5	Highest Running Voltage (V)	242			
Ingliest Running Current (A)52.3Motor Speed (R/Min)(c)3500Comp Weight With Oil (Kg)54Oil3GS (Coefficient Of Viscosity 32)Oil Charge (First Charge, L)2.70(Recharge, L)2.60Lowest Voltage Start (V)187MOV (V)(e)198198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(±10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Lock Rotor Current (A)	290			
Comp Weight With Oil (Kg)54Oil3GS (Coefficient Of Viscosity 32)Oil Charge (First Charge, L) (Recharge, L)2.70 2.60Lowest Voltage Start (V) (d)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(± 10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Highest Running Current (A) ^(b)	52.3			
Dil3GS (Coefficient Of Viscosity 32)Dil Charge (First Charge, L) (Recharge, L)2.70 2.60Lowest Voltage Start (V) (d)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(±10%)Insulation Voltage (V)2000Leakage Current (mA)<5	Motor Speed(R/Min) ^(c)	3500			
Dil Charge (First Charge, L) (Recharge, L)2.70 2.60Lowest Voltage Start (V) (d)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(± 10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Comp Weight With Oil (Kg)	54			
(Recharge, L)2.60Lowest Voltage Start (V) (d)187MOV (V) (e)198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(± 10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Oil	3GS (Coefficient Of Viscosity 32)			
Lowest Voltage Start (V) $^{(d)}$ 187MOV (V) $^{(e)}$ 198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(±10%)nsulation Voltage (V)2000Leakage Current (mA)<5	Oil Charge (First Charge, L)	2.70			
MOV $(V)^{(e)}$ 198Motor Insulation Temperature130°CResistance @ 25 °C Ambient (Ω)0.22(±10%)nsulation Voltage (V)2000_eakage Current (mA)<5	(Recharge, L)	2.60			
Motor Insulation Temperature $130^{\circ}C$ Resistance @ 25 °C Ambient (Ω) $0.22(\pm 10\%)$ nsulation Voltage (V)2000Leakage Current (mA)<5	Lowest Voltage Start (V) ^(d)	187			
Resistance @ 25 °C Ambient (Ω)0.22(±10%)nsulation Voltage (V)2000_eakage Current (mA)<5	MOV (V) ^(e)	198			
nsulation Voltage (V)2000Leakage Current (mA)<5	Motor Insulation Temperature	130°C			
Leakage Current (mA) <5	Resistance @ 25 ℃ Ambient (Ω)	0.22(± 10%)			
nsulation Resistance (m Ω)>20Ground Resistance (Ω)<0.1	Insulation Voltage (V)	2000			
Ground Resistance (Ω)<0.1Oil Circulation (%) ^(f) Less Than 1%Sound (Sound Power) ^(g) 77Maximum Vib (mm, Peak-Peak) ^(h) <0.12	Leakage Current (mA)	<5			
Dil Circulation (%) ^(f) Less Than 1%Sound (Sound Power) ^(g) 77Maximum Vib (mm, Peak-Peak) ^(h) <0.12	Insulation Resistance (mΩ)	>20			
Sound (Sound Power) ^(g) 77Maximum Vib (mm, Peak-Peak) ^(h) <0.12	Ground Resistance (Ω)	<0.1			
Maximum Vib (mm, Peak-Peak) ^(h) <0.12Maximum Moisture (mg)< 500	Oil Circulation (%) ^(f)	Less Than 1%			
Maximum Moisture (mg)< 500Maximum Impurity (mg)< 100	Sound (Sound Power) ^(g)	77			
Maximum Impurity (mg)< 100Highest Running Pressure3.0	Maximum Vib (mm, Peak-Peak) ^(h)	<0.12			
Highest Running Pressure High Side (Mpa) 3.0	Maximum Moisture (mg)	< 500			
High Side (Mpa) 3.0	Maximum Impurity (mg)	< 100			
	Highest Running Pressure				
Low Side (Mpa) 2.0	High Side (Mpa)	3.0			
	Low Side (Mpa)	2.0			

Invotech Scroll Compressor Product Specification



Comp Model

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: 220V, 60Hz, First Rated Running Point
- d) Discharge Pressure / Suction Pressure = Refrigerant Saturation Pressure @40℃ (Absolute Pressure)
- e) Test Condition: Suction Pressure / Discharge Pressure = Refrigerant Saturation Pressure @11.9 ℃ / Refrigerant Saturation Pressure @65.5℃, Superheat 11.9℃, Sub cooling 8.3℃
- f) Mass Flow Under First Rated Point
- g) Running @ First Rated Running Point, Average Of Sound Power, Maximum Sound Power Is Less Than 82 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
 - With oil and gas balance adaptor
 - Mount Kits (4 Sets)

*3 Test Condition (220V, 60 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))

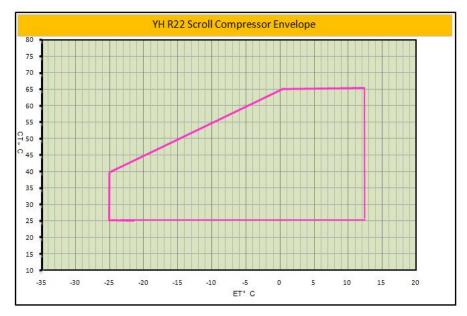
Seq	Parameter	First Rated Running Point		
1	Evaporating T	7.2 ℃		
2	Condensing T	54.4 ℃		
3	Ambient T	35.0 ℃		
4	Return Gas T	18.3 ℃		
5	Superheat K	11.1		
6	Subcooling K	8.3		

- *4 Internal Protection Parts
 - Internal Motor Protector
 - Internal Pressure Release Valve

Pressure Release Valve Open Range: 2.76--3.10Mpa



*5 Compressor Running Envelope



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

		Invotech Scr	oll YH355AT	7-210 Compr	essor Perfori	mance Sheet	:	
		-20	-15	-10	-5	0	5	10
Cap W	65					31671	34367	41565
	55			22741	27206	33355	40260	47763
	50		19642	23790	29243	35636	42822	50264
	45	16836	20472	25437	31354	37918	45286	52704
	40	17507	21814	26995	33001	39857	47153	55205
	35	18629	23168	28609	34843	41602	49007	57706
	25	20325	25120	30171	36966	43566	51862	59902
	65					15464	15597	15730
[55			12257	12354	12403	12511	12596
[50		10769	10926	11072	11120	11289	11386
Power₩	45	9571	9644	9825	9874	9995	10055	10382
	40	8506	8712	8760	8881	9027	9039	9390
	35	7515	7684	7901	8034	8100	8264	8544
ſ	25	6437	6655	6921	7079	7381	7417	7514

*6 Compressor Performance Data Sheet

Cap. And Power Data in Grey-green Area Is Tested @ 11.1 $^{\circ}$ C Superheat, 8.3 $^{\circ}$ C subcooling X-axis Ordinate Is Evaporating T ($^{\circ}$ C), Y-axis Ordinates Is Condensing T ($^{\circ}$ C)