



INVOTECH

YW/YSW/YIW Series
Scroll Compressors

Special Design For Heat
Pump Application

50Hz





Suzhou Invotech Scroll Technologies Co., Ltd.

is a high-tech company.

Our company is founded by a group of engineers who formerly worked for the world's largest manufacturer of scroll compressors. We are a team of passionate and highly qualified professionals with more than 25 years of experience in this industry. Our company's products in addition to impressive sales performance in the domestic market, also sales to Asia, Africa, Europe, South America, North America and other more than 40 countries and regions.

Our company provides specialized scroll compressors and related technical consulting services for heat pump, refrigeration, air conditioning, chillers and other applications. We are willing to provide our customers with jointly developed or Turn-Key solutions to meet their needs.

Our mission: To become a leading global provider of climate and energy solutions, building an energy-saving and low-carbon ecological environment together!

For more information please visit:

www.invotech.cn



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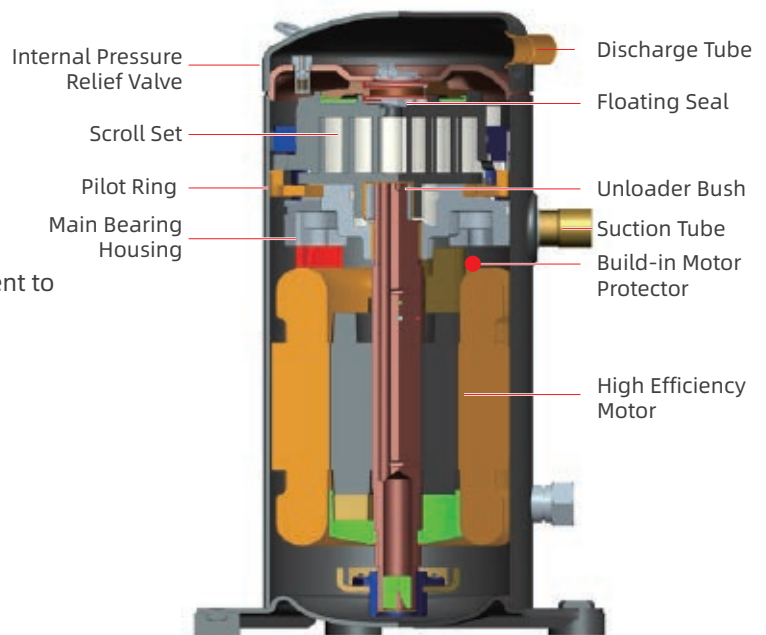
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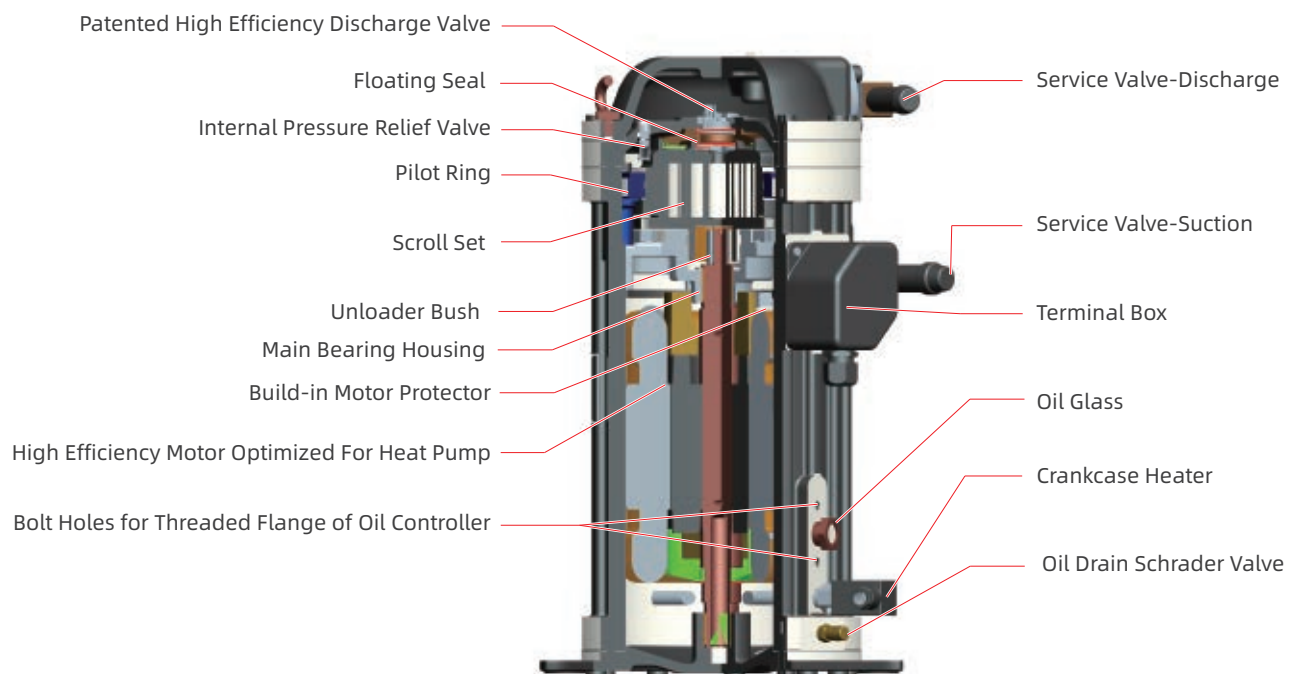
YW/YSW Series

Product Features

- Specific Design For Heat Pump, Not Only The Scroll Set But Also The Unit, Precise Product-Definition Based On Customer's Need
- Both Build-in Radius and Axial Compliance Design, Improved Floating Seal Design for Better Energy Efficiency
- Excellent Discharge Temperature Management to Stretch Operation Envelope
- Accurate Calculation of Load and Sealing Force for Running Sound Optimization
- High Efficiency Motor Design



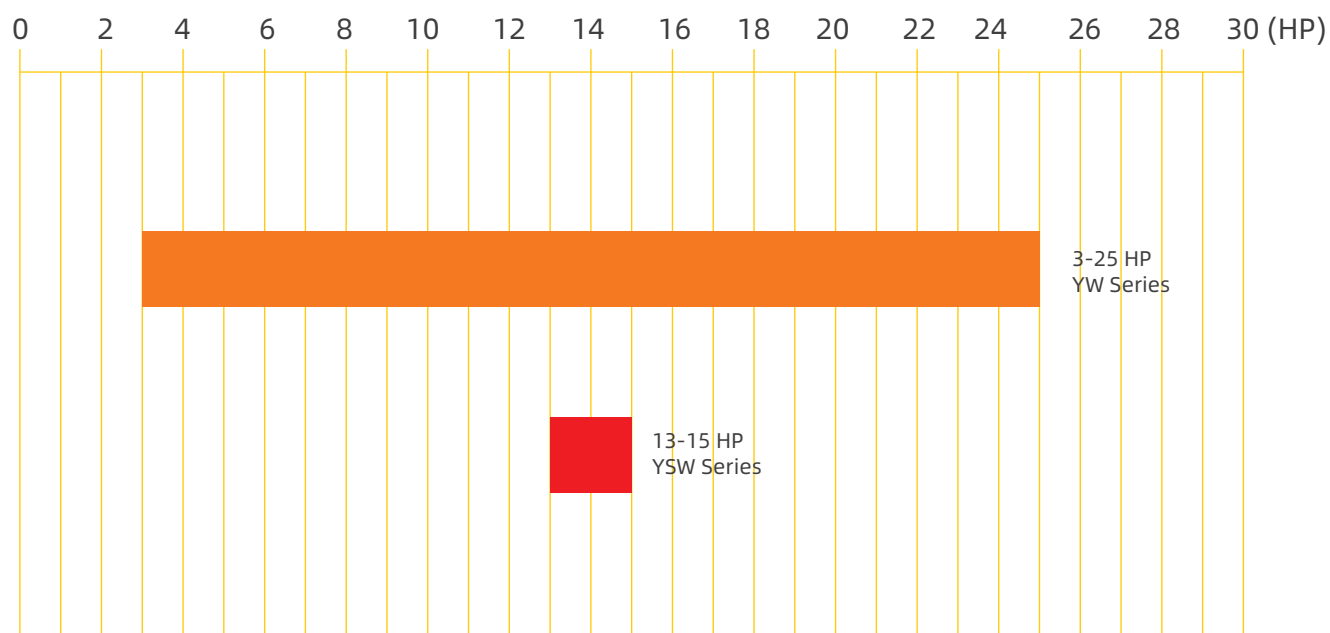
YW series



YSW series

YW/YSW Series

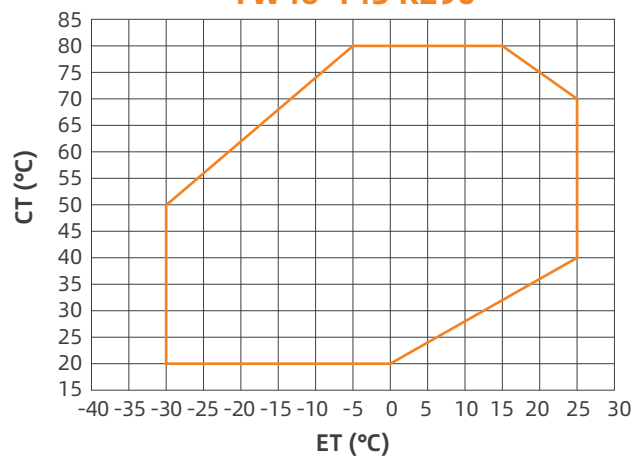
Models



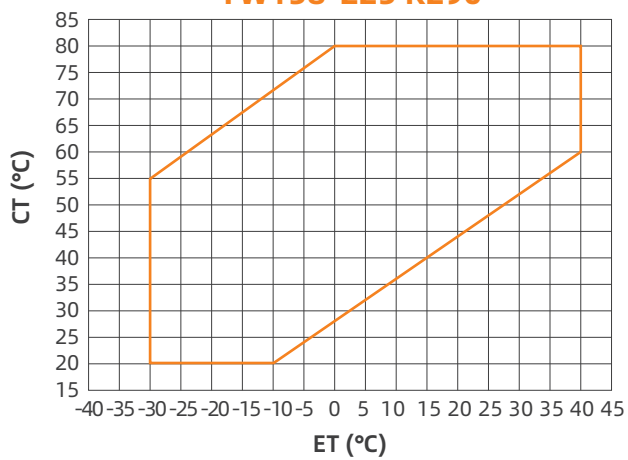
YW/YSW Series

Operating Envelope

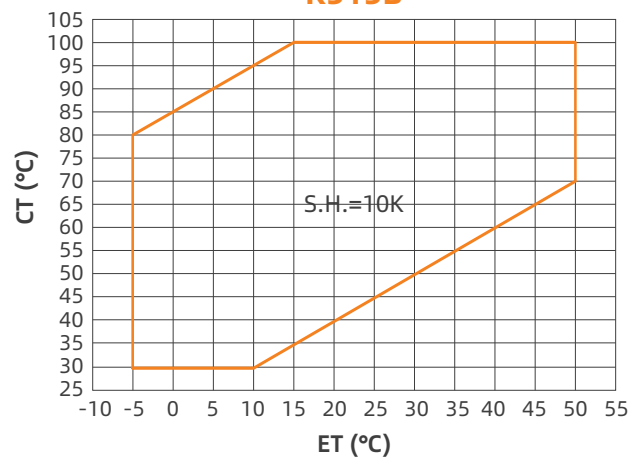
YW46-143 R290



YW158-225 R290



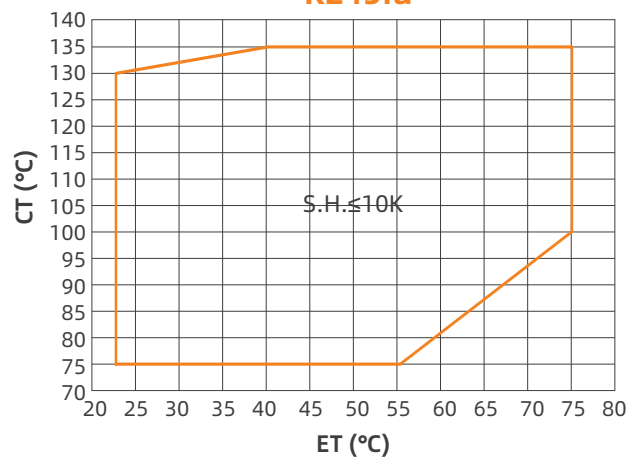
R515B



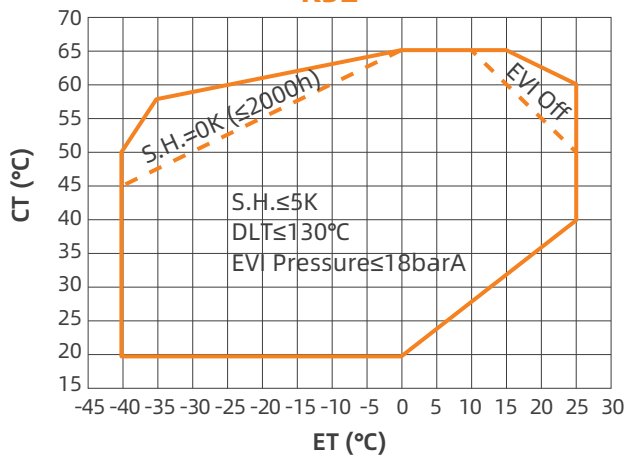
YW/YSW Series

Operating Envelope

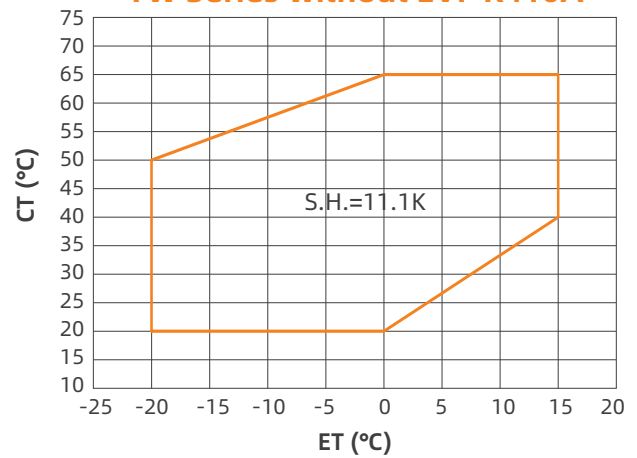
R245fa



R32



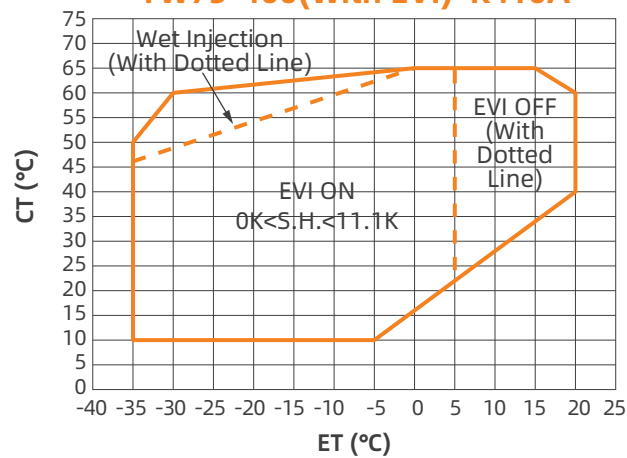
YW Series without EVI R410A



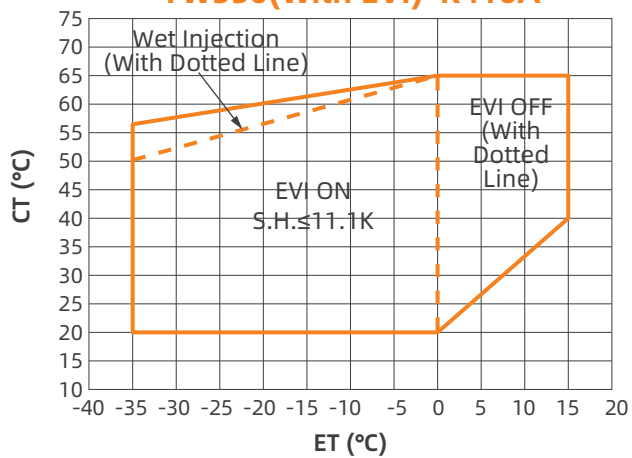
YW/YSW Series

Operating Envelope

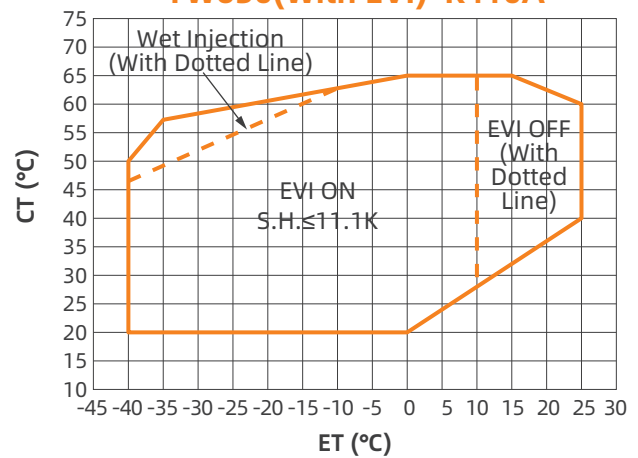
YW75-400(With EVI) R410A



YW550(With EVI) R410A



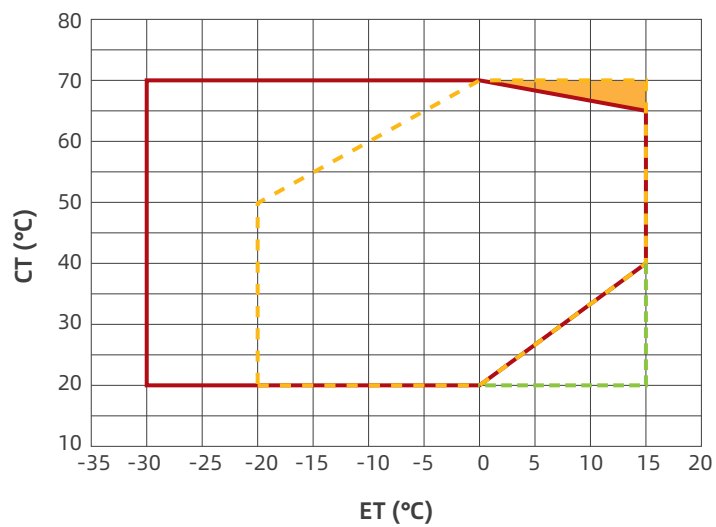
YW630(With EVI) R410A



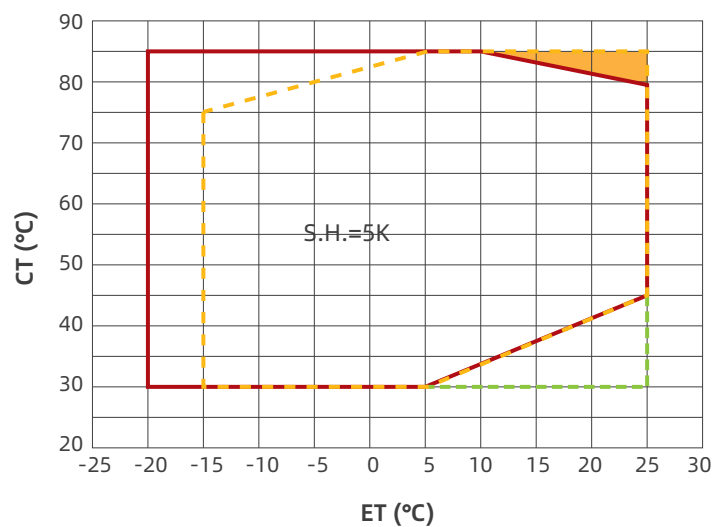
YW/YSW Series

Operating Envelope

R407C



YW38-240/YSW265 R134a

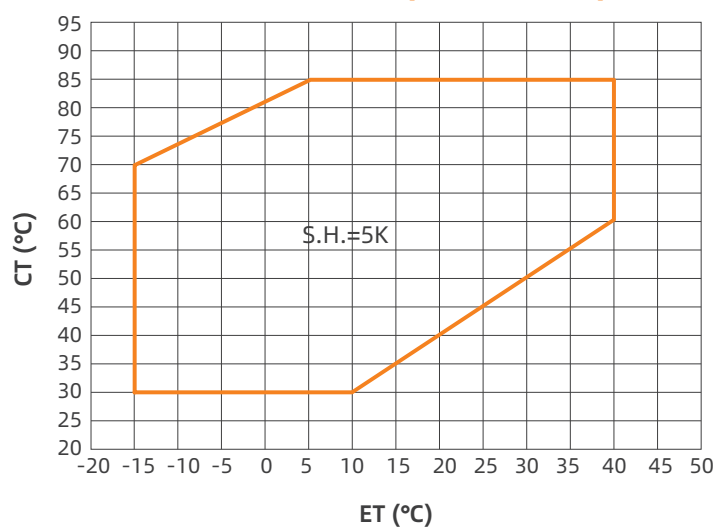


- EVI Off Area
- Operating Envelope for with EVI model
- Transition Area
- Operating Envelope for without EVI model

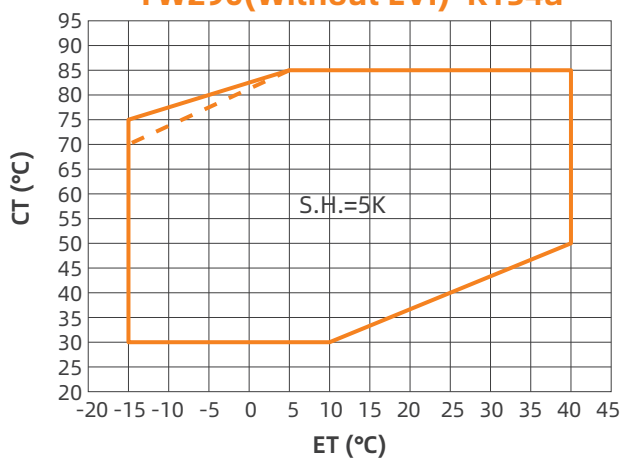
YW/YSW Series

Operating Envelope

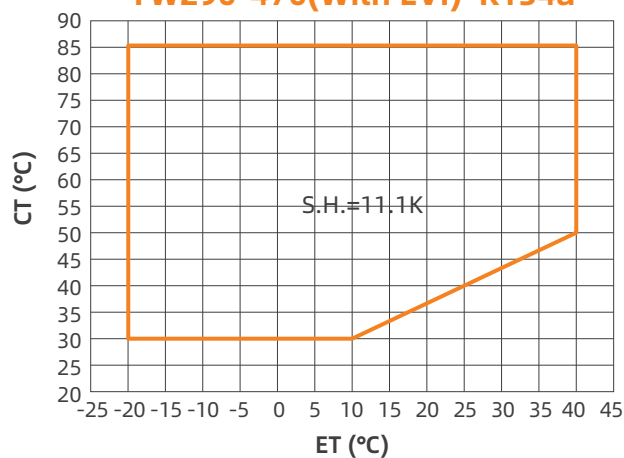
YW265/315/390/470(Without EVI) R134a



YW290(Without EVI) R134a



YW290-470(With EVI) R134a

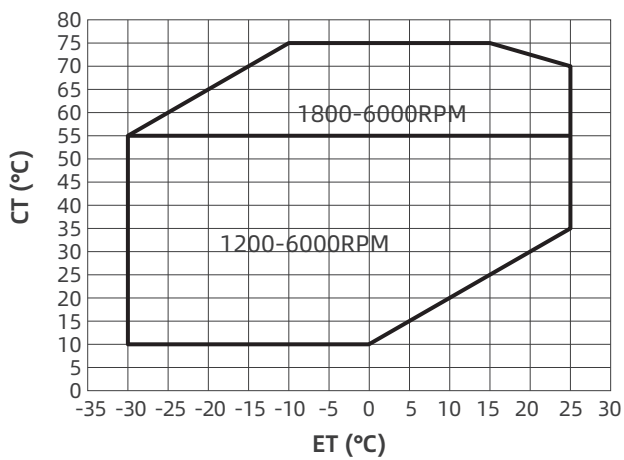


Running time during the dotted line on the upper left should be less than 2000h.

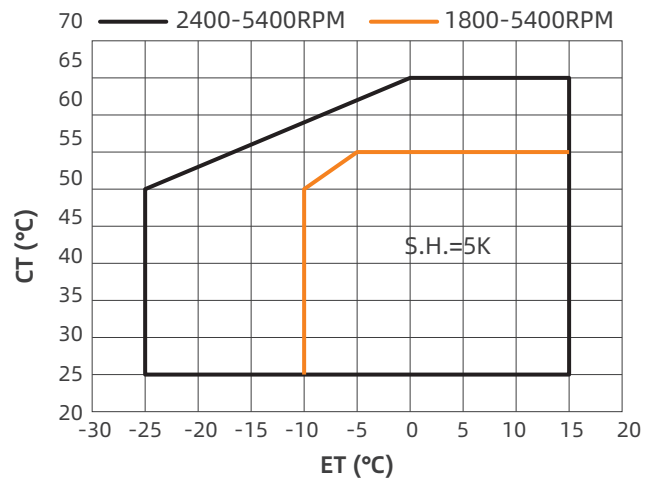
YW/YSW Series

Operating Envelope

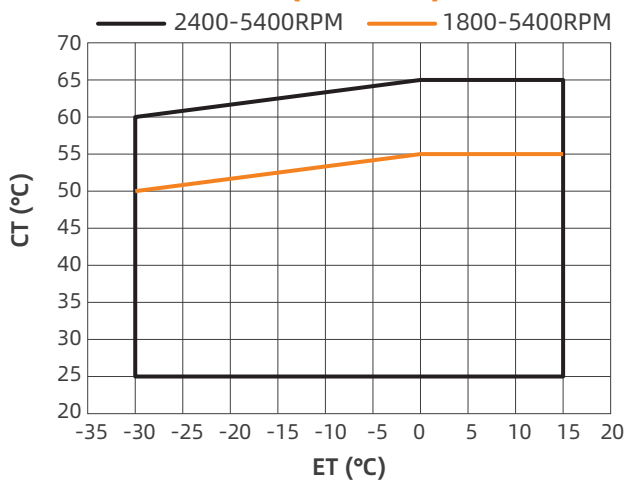
YIW38-72 R290



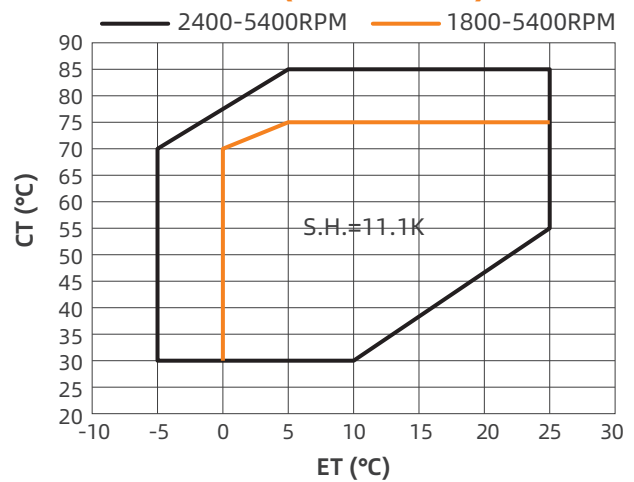
YIW38-72(Without EVI) R410A



YIW38-72(With EVI) R410A

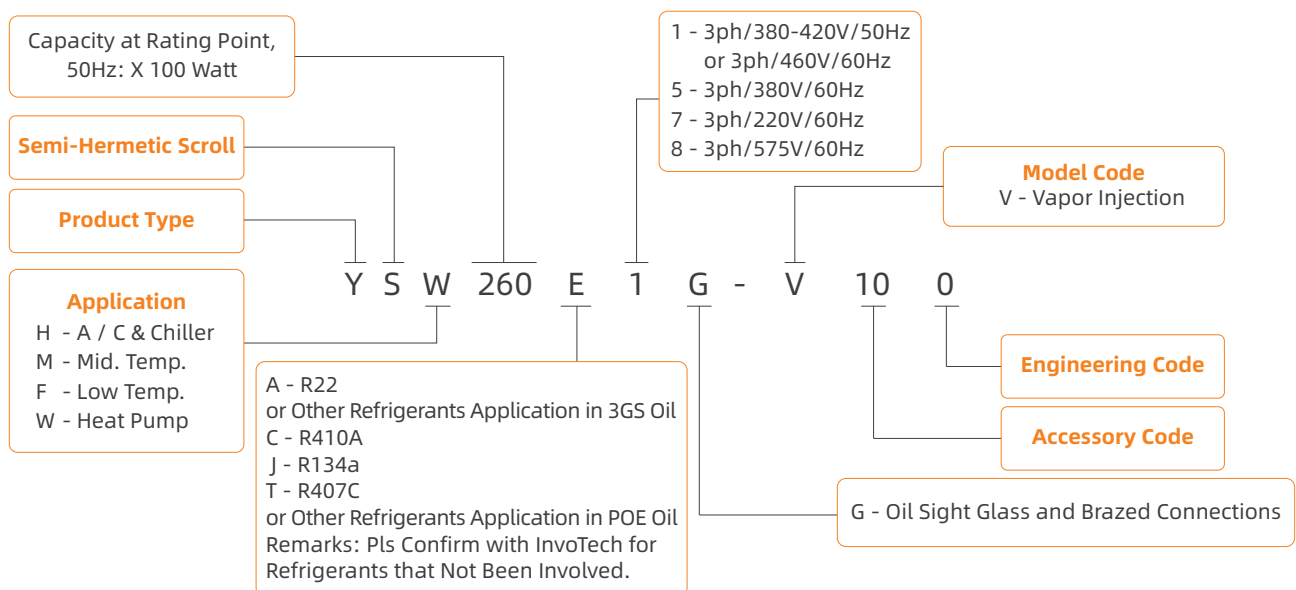
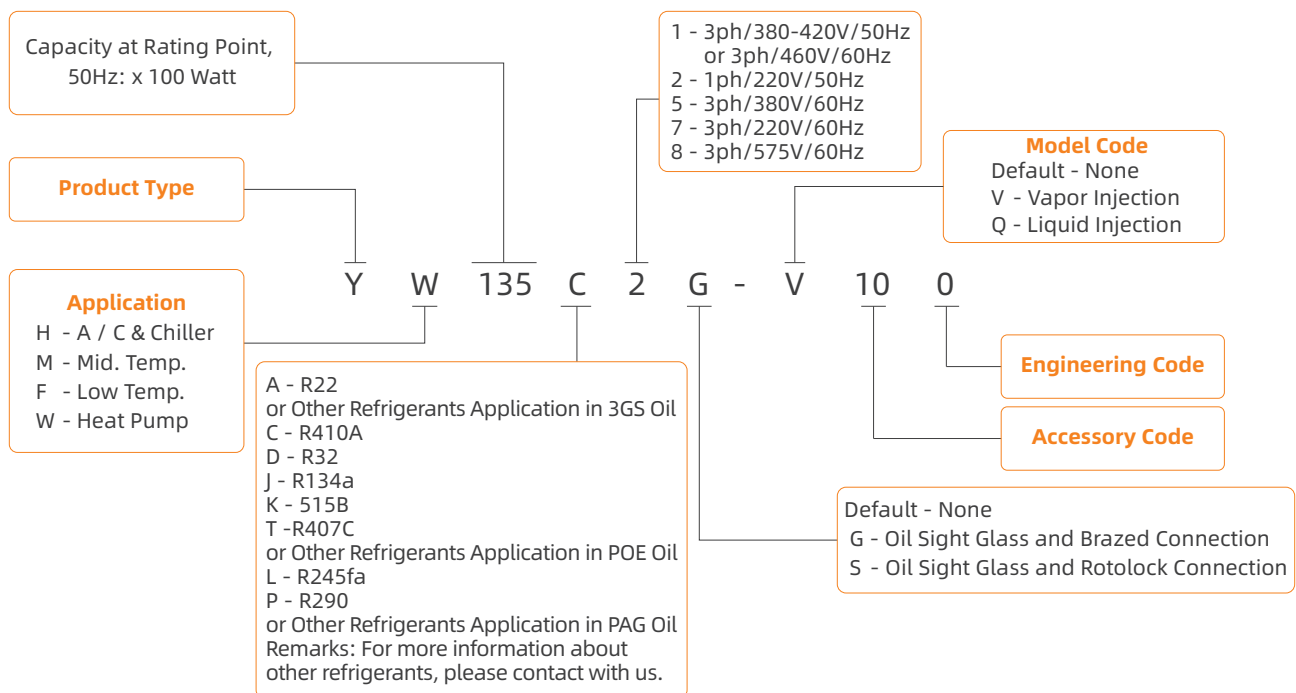


YIW60-72(Without EVI) R134a



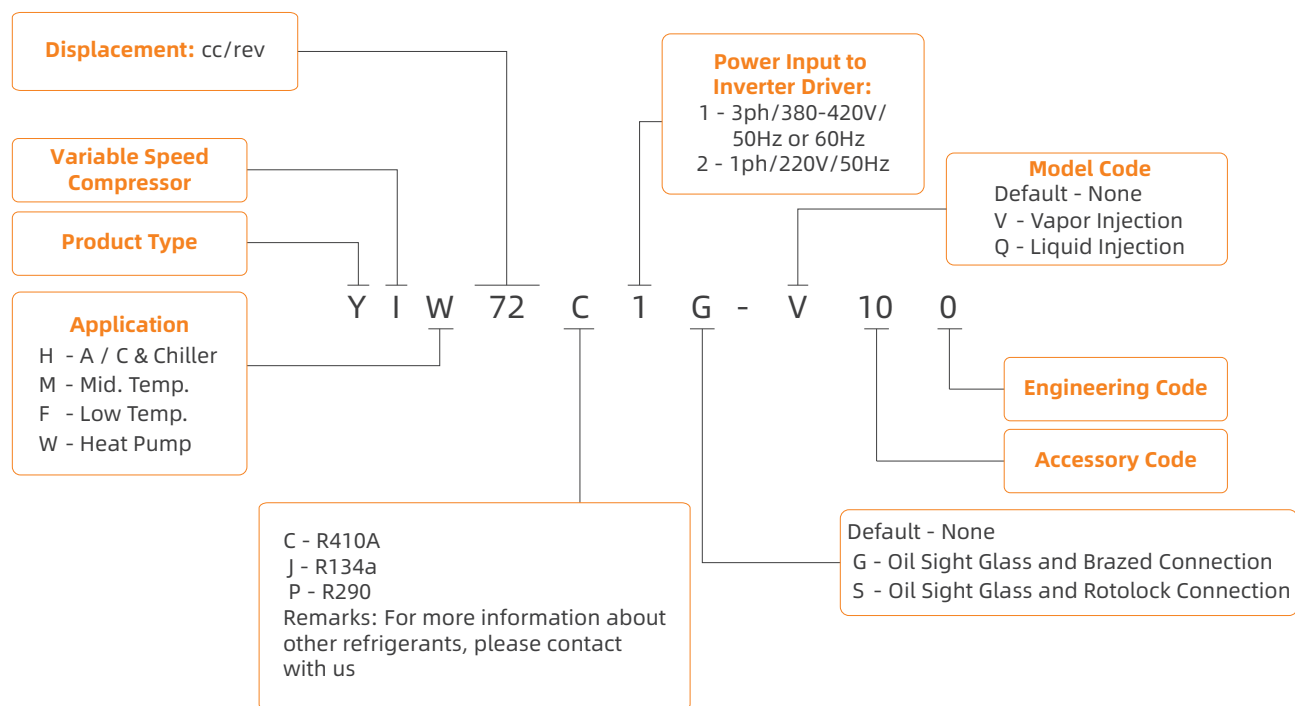
YW/YSW Series

Nomenclature



YIW Series

Nomenclature



Model	YW46P1 -100	YW55P1 -100	YW62P1 -100	YW78P1 -100	YW91P1 -100	YW110P1 -100	YW130P1 -100	YW143P1 -100	YW158P1 -100	YW167P1 -100	YW200P1 -100	YW225P -100
Electricity	380-420V/3~/50Hz											
Power in Horse Power (HP)	2	2.5	3	3.5	4	5	6	7	7.5	8	9	10
Displacement (m³/h)	5.8	7.3	8.1	10.1	11.8	14.5	17.1	18.8	20.1	21.4	25.3	29.1
Refrigerant	R290											
Heating Capacity (W)	4595	5491	6221	7835	9094	11081	13024	14265	15690	16704	20270	22600
Power in Watt (W)	1605	1845	2080	2527	2884	3477	4014	4385	4770	5080	6030	6566
COP (W/W)	2.86	2.98	2.99	3.1	3.15	3.19	3.24	3.25	3.29	3.29	3.36	3.44
Running Current (A)	2.9	3.4	3.6	5.3	5.6	6.3	7.4	8.6	10.27	10.93	11.67	11.75
LRA (A)	22	22	22	60	60	60	65	85	102	117	117	117
MOC (A)	6.9	7.9	8.9	10.9	12.4	14.9	17.3	17.4	18	19.2	22.8	24.8
Crankcase Heater (W)	70								90			
Fitting Dimensions (Inch)												
Discharge Tube (OD)	1/2								7/8			
Suction Tube(OD)	7/8								1 1/8			
Product Dimensions (mm)												
Length (L)	239								260			
Width (W)	239								244			
Height (H)	418						463		506.7			
Feet Dimensions (Hole)	190.5×190.5(8.8)											
Oil Type	PAG											
Initial Charge Volume (L)	1.4						1.6		2.7		3.0	
Recharge Volume (L)	1.25						1.45		2.55		2.85	
Max Pressure (MPa)												
High Side	3.1											
Low Side	1.7											
Weight (kg)	29	30	30	31	31	31.8	33	38	54.1	55.2	56.2	56.9

Rated Working Condition: E.T. -7°C, C.T. 50°C, Superheat 5°C, Subcooling 4°C

YW Series

Specifications

R515B R245fa

Ultra-High Temp. Series

Model	YW290K1-100	YW470K1-100	YW470L1-V100
Electricity	380-420V/3~/50Hz		380-420V/3~/50Hz
Power in Horse Power (HP)	15	25	25
Displacement (m ³ /h)	42.8	68.2	68.2
Refrigerant	R515B		R245fa
Heating Capacity (W)	25437	39181	51300
Power in Watt (W)	10508	16687	17060
COP (W/W)	2.42	2.34	3.01
Running Current (A)	20	31	31.5
LRA (A)	170	266	266
MOC (A)	31	51	47
Crankcase Heater (W)	120		120
Fitting Dimensions (Inch)			
Discharge Tube (OD)	1 1/8		1 1/8
Suction Tube(OD)	1 5/8		1 5/8
Product Dimensions (mm)			
Length (L)	359.8		359.8
Width (W)	326.2		326.2
Height (H)	611.2	671.2	671.2
Feet Dimensions (Hole)	232×232(8.8)		232×232(8.8)
Oil Type	POE		PAG
Initial Charge Volume (L)	4.2	5.5	6
Recharge Volume (L)	4	5.3	5.8
Max Pressure (MPa)			
High Side	3.1		2.6
Low Side	1		0.7
Weight (kg)	100	106	106

YW290/470K1-100, Rated Working Condition: E.T. 10°C, C.T. 85°C, Superheat 10°C, Subcooling 10°C

YW470L1-V100, Rated Working Condition: E.T. 50°C, C.T. 120°C, Superheat 5°C, Subcooling 10°C, Vapor Injection Pressure 8.2bar, Vapor Injection Superheat 5°C

YW Series

Specifications

R410A

Classic Series

Model	YW75C2 -102	YW110C2 -100	YW75C1 -100	YW110C1 -100	YW135C1 -100	YW160C1 -100	YW185C1 -100
Electricity	220V/1~/50Hz		380-420V/3~/50Hz				
Power in Horse Power (HP)	3	4	3	4	5	6	7
Displacement (m³/h)	5.6	8.1	5.6	8.1	10.3	11.8	13.4
Refrigerant	R410A						
Heating Capacity (W)	10500	15655	10626	14577	18593	21403	25350
Power in Watt (W)	2900	4254	2826	3877	4893	5603	6850
COP (W/W)	3.62	3.68	3.76	3.76	3.8	3.82	3.7
Running Current (A)	13.7	20.1	5.3	7.4	8.7	9.8	12.6
LRA (A)	76	109	45	60	60	65	85
MOC (A)	20.5	30	7.6	11	13	14	18.1
Crankcase Heater (W)	70						
Fitting Dimensions (Inch)							
Discharge Tube (OD)	1/2						
Suction Tube(OD)	7/8						
Product Dimensions (mm)							
Length (L)	239						
Width (W)	239						
Height (H)	418					463	
Feet Dimensions (Hole)	190.5×190.5(8.8)						
Oil Type	POE						
Initial Charge Volume (L)	1.4					1.6	
Recharge Volume (L)	1.25					1.45	
Max Pressure (MPa)							
High Side	4.3						
Low Side	2.0						
Weight (kg)	31	33	30	31	31	33	38

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW Series

Specifications

R410A

Classic Series

Model	YW245C1 -100	YW270C1 -100	YW300C1 -100	YW320C1 -100	YW340C1 -105	YW400C1 -105	YW550C1 -100	YW630C1 -100
Electricity	380-420V/3~/50Hz							
Power in Horse Power (HP)	9	10	11	12	13	15	20	25
Displacement (m³/h)	17.9	20.1	22.2	22.9	24.9	29.1	41	44.7
Refrigerant	R410A							
Heating Capacity (W)	33400	37321	41290	41660	48166	54286	77200	83900
Power in Watt (W)	8900	9821	10766	10922	12945	14286	19700	21400
COP (W/W)	3.75	3.8	3.84	3.81	3.72	3.8	3.92	3.92
Running Current (A)	15.7	16.7	18.2	18.9	22.8	24.5	34.2	38.4
LRA (A)	121	121	121	121	148.5	148.5	266	266
MOC (A)	21.4	24	29.1	31.8	32	36	46	52
Crankcase Heater (W)	90						120	
Fitting Dimensions (Inch)								
Discharge Tube (OD)	7/8						1 1/8	
Suction Tube(OD)	1 1/8						1 5/8	
Product Dimensions (mm)								
Length (L)	260						359.8	
Width (W)	244						326.2	
Height (H)	506.7				556.7		671.2	
Feet Dimensions (Hole)	190.5×190.5(8.8)						232×232(8.8)	
Oil Type	POE							
Initial Charge Volume (L)	2.7	3.0			3.7		5.5	
Recharge Volume (L)	2.55	2.85			3.5		5.3	
Max Pressure (MPa)								
High Side	4.3							
Low Side	2.0							
Weight (kg)	53	54	54	54	57.5	57.5	104	104

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW Series

Specifications

R410A

Classic Series(With EVI)

Model	YW75C2 -V102	YW110C2 -V100	YW135C2 -V100	YW152C2 -V100	YW75C1 -V100	YW110C1 -V100	YW135C1 -V100	YW160C1 -V100	YW185C1 -V100
Electricity	220V/1~/50Hz				380-420V/3~/50Hz				
Power in Horse Power (HP)	3	4	5	5.8	3	4	5	6	7
Displacement (m³/h)	5.6	8.1	10.3	11.0	5.6	8.1	10.3	11.8	13.4
Refrigerant	R410A								
Heating Capacity (W)	11359	16593	19872	21113	11129	15267	18317	22417	25066
Power in Watt (W)	3091	4509	5629	5816	2939	4032	4801	5827	6668
COP (W/W)	3.67	3.68	3.53	3.63	3.79	3.79	3.81	3.85	3.76
Running Current (A)	14.6	21.3	29.1	30.0	5.4	7.5	8.6	10.1	11.9
LRA (A)	76	109	140	180	45	60	60	65	85
MOC (A)	20.5	30	36	39	7.6	11	13	14	18.1
Crankcase Heater (W)	70								
Fitting Dimensions (Inch)									
Discharge Tube (OD)	1/2								
Suction Tube(OD)	7/8								
Product Dimensions (mm)									
Length (L)	239								
Width (W)	239								
Height (H)	418	463			418			463	
Feet Dimensions (Hole)	190.5×190.5(8.8)								
Oil Type	POE								
Initial Charge Volume (L)	1.4							1.6	
Recharge Volume (L)	1.25							1.45	
Max Pressure (MPa)									
High Side	4.3								
Low Side	2.0								
Weight (kg)	31	33	37	38	30	31	31	33	38

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW Series

Specifications

R410A & R32

Classic Series(With EVI)

Model	YW245C1 -V100	YW270C1 -V100	YW300C1 -V100	YW320C1 -V100	YW340C1 -V105	YW400C1 -V105	YW550C1 -V100	YW630C1 -V100*	YW630D1 -V100
Electricity	380-420V/3~/50Hz								380-420V/ 3~/50Hz
Power in Horse Power (HP)	9	10	11	12	13	15	20	25	25
Displacement (m³/h)	17.9	20.1	22.2	22.9	24.9	29.1	41	44.7	44.7
Refrigerant	R410A								R32
Heating Capacity (W)	34122	38300	42560	42670	48941	54286	76010	71800	76400
Power in Watt (W)	8909	10000	11120	11170	13069	14286	19606	21130	22500
COP (W/W)	3.83	3.83	3.83	3.82	3.74	3.80	3.88	3.4	3.4
Running Current (A)	15.9	17.8	18.9	18.9	23.6	25.5	34.2	39.7	41
LRA (A)	121	121	121	121	148.5	148.5	266	300	300
MOC (A)	21.4	24	29.1	30	32	36	46	56	61
Crankcase Heater (W)	90						120		120
Fitting Dimensions (Inch)									
Discharge Tube (OD)	7/8						1 1/8		1 1/8
Suction Tube(OD)	1 1/8						1 5/8		1 5/8
Product Dimensions (mm)									
Length (L)	260						359.8		359.8
Width (W)	244						326.2		326.2
Height (H)	506.7				556.7		671.2		671.2
Feet Dimensions (Hole)	190.5×190.5(8.8)						232×232(8.8)		232×232(8.8)
Oil Type	POE								POE
Initial Charge Volume (L)	2.7	3.0			4.0		5.5	6	6
Recharge Volume (L)	2.55	2.85			3.8		5.3	5.8	5.8
Max Pressure (MPa)									
High Side	4.3								4.4
Low Side	2.0								1.7
Weight (kg)	53	54	54	56	57.5	59.3	104	109.4	108

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

“**” Refers to the Working Condition of E.T. -7°C, C.T. 50°C, Superheat 10°C, Subcooling 5°C, Vapor Injection Pressure 1400kPa, Vapor Injection Superheat 5°C

YW Series

Specifications

R407C

Classic Series

Model	YW75T2 -102	YW110T2 -100	YW75T1 -100	YW110T1 -100	YW135T1 -100	YW160T1 -100	YW185T1 -100
Electricity	220V/1~/50Hz		380-420V/3~/50Hz				
Power in Horse Power (HP)	3	4	3	4	5	6	7
Displacement (m³/h)	8.1	11.8	8.1	11.8	14.5	17.1	18.8
Refrigerant	R407C						
Heating Capacity (W)	10000	14650	9920	14590	17520	20480	23991
Power in Watt (W)	2740	3900	2660	3840	4550	5320	6231
COP (W/W)	3.65	3.76	3.73	3.80	3.85	3.85	3.85
Running Current (A)	12.7	18.5	5.1	7.4	8.4	9.6	11.2
LRA (A)	76	109	45	60	60	65	85
MOC (A)	20.7	30.5	7.5	10.5	12.6	14.5	17.1
Crankcase Heater (W)	70						
Fitting Dimensions (Inch)							
Discharge Tube (OD)	1/2						
Suction Tube(OD)	7/8						
Product Dimensions (mm)							
Length (L)	239						
Width (W)	239						
Height (H)	418					463	
Feet Dimensions (Hole)	190.5×190.5(8.8)						
Oil Type	POE						
Initial Charge Volume (L)	1.4					1.6	
Recharge Volume (L)	1.25					1.45	
Max Pressure (MPa)							
High Side	3.0						
Low Side	2.0						
Weight (kg)	31	33	30	31	31	33	38

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW/YSW Series

R407C

Specifications

Classic Series

Model	YW205T1 -100	YW245T1 -100	YW285T1 -100	YW320T1 -100	YSW340T1G -100	YW400T1 -100	YW450T1 -100	YW650T1 -100
Electricity	380-420V/3~/50Hz							
Power in Horse Power (HP)	8	9	10	12	13	15	17	25
Displacement (m³/h)	21.4	25.3	29.1	32.9	37.7	42.8	46.2	68.2
Refrigerant	R407C							
Heating Capacity (W)	26717	31772	36829	41285	43630	50730	54750	77273
Power in Watt (W)	6979	8252	9469	10565	11470	13110	14150	20268
COP (W/W)	3.83	3.85	3.89	3.91	3.80	3.87	3.87	3.81
Running Current (A)	13	14.7	16.6	18.2	20.2	18.8	20.3	34.9
LRA (A)	117	117	121	121	148.5	170	216	216
MOC (A)	19.6	21.8	24.7	28	27.7	37.7	40.7	56
Crankcase Heater (W)	90				75	120		
Fitting Dimensions (Inch)								
Discharge Tube (OD)	7/8					1 1/8		
Suction Tube(OD)	1 1/8				1 3/8	1 5/8		
Product Dimensions (mm)								
Length (L)	260				318	359.8		
Width (W)	244				309	326.2		
Height (H)	506.7				602	611.2	671.2	
Feet Dimensions (Hole)	190.5×190.5(8.8)				190.5×190.5 (10.2)	232×232(8.8)		
Oil Type	POE							
Initial Charge Volume (L)	2.7		3.0		3.4	4.2		5.5
Recharge Volume (L)	2.55		2.85		3.25	4		5.3
Max Pressure (MPa)								
High Side	3.0							
Low Side	2.0							
Weight (kg)	53	53	54	54	90	95	100	104

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW Series

Specifications

R407C

Classic Series(With EVI)

Model	YW75T2 -V102	YW110T2 -V100	YW152T2 -V100	YW75T1 -V100	YW110T1 -V100	YW135T1 -V100	YW160T1 -V100	YW185T1 -V100
Electricity	220V/1~/50Hz			380-420V/3~/50Hz				
Power in Horse Power (HP)	3	4	5.8	3	4	5	6	7
Displacement (m³/h)	8.1	11.8	16.3	8.1	11.8	14.5	17.1	18.8
Refrigerant	R407C							
Heating Capacity (W)	11220	16450	21458	11180	16380	19700	23030	25430
Power in Watt (W)	2990	4260	5861	2910	4190	4970	5810	6542
COP (W/W)	3.75	3.86	3.66	3.84	3.91	3.96	3.96	3.89
Running Current (A)	13.9	20.2	30.3	6.3	7.9	9.2	10.3	11.2
LRA (A)	76	109	180	45	60	60	65	85
MOC (A)	20.7	30.5	42	7.5	10.5	12.6	14.5	17.1
Crankcase Heater (W)	70							
Fitting Dimensions (Inch)								
Discharge Tube (OD)	1/2							
Suction Tube(OD)	7/8							
Product Dimensions (mm)								
Length (L)	239							
Width (W)	239							
Height (H)	418		463	418			463	
Feet Dimensions (Hole)	190.5×190.5(8.8)							
Oil Type	POE							
Initial Charge Volume (L)	1.4						1.6	
Recharge Volume (L)	1.25						1.45	
Max Pressure (MPa)								
High Side	3.0							
Low Side	2.0							
Weight (kg)	31	33	38	30	31	31	33	38

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW Series

Specifications

R407C

Classic Series(With EVI)

Model	YW205T1-V100	YW245T1-V100	YW285T1-V100	YW320T1-V100
Electricity	380-420V/3~/50Hz			
Power in Horse Power (HP)	8	9	10	12
Displacement (m ³ /h)	21.4	25.3	29.1	32.9
Refrigerant	R407C			
Heating Capacity (W)	27983	33278	38576	42552
Power in Watt (W)	7258	8582	9848	10800
COP (W/W)	3.86	3.88	3.92	3.94
Running Current (A)	13.5	15.2	17.2	18.9
LRA (A)	117	117	121	121
MOC (A)	19.6	21.8	24.7	28
Crankcase Heater (W)	90			
Fitting Dimensions (Inch)				
Discharge Tube (OD)	7/8			
Suction Tube(OD)	1 1/8			
Product Dimensions (mm)				
Length (L)	260			
Width (W)	244			
Height (H)	506.7			
Feet Dimensions (Hole)	190.5×190.5(8.8)			
Oil Type	POE			
Initial Charge Volume (L)	2.7		3.0	
Recharge Volume (L)	2.55		2.85	
Max Pressure (MPa)				
High Side	3.0			
Low Side	2.0			
Weight (kg)	53	53	54	54

Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C

YW Series

Specifications

R134a

High Tem. J Series

Model	YW38J2 -102	YW55J2 -102	YW80J2 -100	YW38J1 -100	YW55J1 -100	YW80J1 -100	YW100J1 -100	YW120J1 -100	YW132J1 -100
Electricity	220V/1~/50Hz			380-420V/3~/50Hz					
Power in Horse Power (HP)	2	3	4	2	3	4	5	6	6.5
Displacement (m³/h)	5.8	8.1	11.8	5.8	8.1	11.8	14.5	17.1	18.5
Refrigerant	R134a								
Heating Capacity (W)	5126	7180	10450	5000	7180	10430	13000	15530	17415
Power in Watt (W)	1226	1700	2450	1199	1689	2437	3023	3612	4045
COP (W/W)	4.18	4.22	4.27	4.17	4.25	4.28	4.30	4.30	4.31
Running Current (A)	5.8	7.9	11.6	2.4	4.1	5.9	6.4	7.4	8.7
LRA (A)	76	76	109	22	45	60	60	65	85
MOC (A)	13	15.4	23.2	5	6.5	9	10.4	12.3	17.1
Crankcase Heater (W)	70								
Fitting Dimensions (Inch)									
Discharge Tube (OD)	1/2								
Suction Tube(OD)	7/8								
Product Dimensions (mm)									
Length (L)	239								
Width (W)	239								
Height (H)	418							463	
Feet Dimensions (Hole)	190.5×190.5(8.8)								
Oil Type	POE								
Initial Charge Volume (L)	1.4							1.6	
Recharge Volume (L)	1.25							1.45	
Max Pressure (MPa)									
High Side	3.0								
Low Side	2.0								
Weight (kg)	31	31	33	29	30	31	31	33	38

Rated Working Condition: E.T. 7.2°C, C.T. 54.4°C, Superheat 11.1°C, Subcooling 8.3°C

YW/YSW Series

R134a

Specifications

High Tem. J Series

Model	YW180J1 -100	YW200J1 -100	YW240J1 -100	YW265J1 -105*	YSW265J1G -100	YW290J1 -100	YW315J1 -100	YW390J1 -100*	YW470J1 -100*
Electricity	380-420V/3~/50Hz								
Power in Horse Power (HP)	9	10	12	13	13	15	17	20	25
Displacement (m³/h)	25.3	29.1	32.9	36.5	37.7	42.8	46.2	57.9	68.2
Refrigerant	R134a								
Heating Capacity (W)	23450	25540	29220	32471	34913	38050	41200	49357	56776
Power in Watt (W)	5450	5940	6720	11173	8413	8960	9770	16340	18738
COP (W/W)	4.30	4.30	4.35	2.9	4.15	4.25	4.22	3.02	3.03
Running Current (A)	11	11.6	12.5	19.8	16	17.5	20.5	29	33.2
LRA (A)	117	121	121	148.5	148.5	170	216	266	266
MOC (A)	18.8	20.3	24	33	27.3	36.2	37.5	47	47
Crankcase Heater (W)	90				75	120			
Fitting Dimensions (Inch)									
Discharge Tube (OD)	7/8					1 1/8			
Suction Tube(OD)	1 1/8				1 3/8	1 5/8			
Product Dimensions (mm)									
Length (L)	260				318	359.8			
Width (W)	244				309	326.2			
Height (H)	506.7			556.7	602	611.2	671.2		
Feet Dimensions (Hole)	190.5×190.5(8.8)				190.5×190.5 (10.2)	232×232(8.8)			
Oil Type	POE								
Initial Charge Volume (L)	2.7	3.0		3.7	3.4	4.2	5.5		
Recharge Volume (L)	2.55	2.85		3.45	3.25	4	5.3		
Max Pressure (MPa)									
High Side	3.0								
Low Side	2.0								
Weight (kg)	53	54	54	57	90	95	100	104	104

Rated Working Condition: E.T. 7.2°C, C.T. 54.4°C, Superheat 11.1°C, Subcooling 8.3°C

"*" Refers to the Working Condition of E.T. 10°C, C.T. 75°C, Superheat 5°C, Subcooling 10°C

YW Series

Specifications

R134a

High Tem. J Series (With EVI)

Model	YW55J2 -V102	YW80J2 -V100	YW38J1 -V100	YW55J1 -V100	YW80J1 -V100	YW100J1 -V100	YW120J1 -V100	YW132J1 -V100
Electricity	220V/1~/50Hz		380-420V/3~/50Hz					
Power in Horse Power (HP)	3	4	2	3	4	5	6	6.5
Displacement (m³/h)	8.1	11.8	5.8	8.1	11.8	14.5	17.1	18.5
Refrigerant	R134a							
Heating Capacity (W)	7522	10948	5238	7522	10927	13620	16270	19157
Power in Watt (W)	1768	2548	1247	1757	2534	3144	3756	4450
COP (W/W)	4.25	4.30	4.20	4.28	4.31	4.33	4.33	4.30
Running Current (A)	8.6	12.6	2.4	4.2	6	6.6	7.6	8.8
LRA (A)	76	109	22	45	60	60	65	85
MOC (A)	15.4	23.2	5	6.5	9	10.4	12.3	17.1
Crankcase Heater (W)	70							
Fitting Dimensions (Inch)								
Discharge Tube (OD)	1/2							
Suction Tube(OD)	7/8							
Product Dimensions (mm)								
Length (L)	239							
Width (W)	239							
Height (H)	418						463	
Feet Dimensions (Hole)	190.5×190.5(8.8)							
Oil Type	POE							
Initial Charge Volume (L)	1.4						1.6	
Recharge Volume (L)	1.25						1.45	
Max Pressure (MPa)								
High Side	3.0							
Low Side	2.0							
Weight (kg)	31	33	29	30	31	31	33	38

Rated Working Condition: E.T. 7.2°C, C.T. 54.4°C, Superheat 11.1°C, Subcooling 8.3°C

YW/YSW Series

R134a

Specifications

High Tem. J Series (With EVI)

Model	YW180J1 -V100	YW200J1 -V100	YW240J1 -V100	YSW265J1G -V100	YW290J1 -V100*	YW315J1 -V100*	YW390J1 -V100*	YW470J1 -V100*
Electricity	380-420V/3~/50Hz							
Power in Horse Power (HP)	9	10	12	13	15	17	20	25
Displacement (m³/h)	25.3	29.1	32.9	37.7	42.8	46.2	57.9	68.2
Refrigerant	R134a							
Heating Capacity (W)	24568	26758	30614	36658	47256	50694	59069	67366
Power in Watt (W)	5668	6178	6989	8833	14877	16118	18707	21574
COP (W/W)	4.33	4.33	4.38	4.15	3.18	3.15	3.16	3.12
Running Current (A)	11.3	11.9	12.9	16.5	25.8	26.7	32.8	37.2
LRA (A)	117	121	121	148.5	170	216	266	266
MOC (A)	18.8	20.3	24	27.3	41.2	42.6	51	60
Crankcase Heater (W)	90			75	120			
Fitting Dimensions (Inch)								
Discharge Tube (OD)	7/8				1 1/8			
Suction Tube(OD)	1 1/8			1 3/8	1 5/8			
Product Dimensions (mm)								
Length (L)	260			318	359.8			
Width (W)	244			309	326.2			
Height (H)	506.7			602	611.2	671.2		
Feet Dimensions (Hole)	190.5×190.5(8.8)			190.5×190.5 (10.2)	232×232(8.8)			
Oil Type	POE							
Initial Charge Volume (L)	2.7	3.0		3.4	4.7	6		
Recharge Volume (L)	2.55	2.85		3.25	4.5	5.8		
Max Pressure (MPa)								
High Side	3.0				3			
Low Side	2.0				1.1			
Weight (kg)	53	54	54	90	100	104	106	106

Rated Working Condition: E.T. 7.2°C, C.T. 54.4°C, Superheat 11.1°C, Subcooling 8.3°C

“*” Refers to the Working Condition of E.T. 10°C, C.T. 75°C, Superheat 5°C, Subcooling 10°C

Model	YIW38P1-100	YIW42P1-100	YIW50P1-100	YIW60P1-100	YIW72P1-100
Power Input to Inverter Driver	380-420V/3~/50Hz or 60Hz				
Displacement (cc/rev)	38	42	50	60	72
Refrigerant	R290				
Heating Capacity (W)	8169	8750	10748	12513	14803
Power in Watt (W)	2558	2743	3338	3881	4439
COP (W/W)	3.19	3.19	3.22	3.22	3.33
Running current (A)	5.3	5.6	6.6	7.3	8.9
MOC (A)	11.4	11.8	14.0	15.0	17.2
Rated Motor Speed (RPM)	4500				
Running Speed (RPM)	1200-6000				
Crankcase Heater (W)	70				
Fitting Dimensions (Inch)					
Discharge Tube(OD)	1/2				
Suction Tube(OD)	7/8				
Product Dimensions (mm)					
Length (L)	239				
Width (W)	239				
Height (H)	419				
Feet Dimensions (Hole)	190.5×190.5(8.8)				
Oil Type	PAG				
Initial Charge Volume (L)	1.4				
Recharge Volume (L)	1.25				
Max Pressure (MPa)					
High Side	2.8				
Low Side	1.7				
Weight (kg)	28	28	28	28	29.5

Rated Working Condition: E.T. -7°C, C.T. 50°C, Superheat 5°C, Subcooling 4°C

Model	YIW38P1-100	YIW42P1-100	YIW50P1-100	YIW60P1-100	YIW72P1-100
Motor Speed (RPM)	1800				
Heating Capacity (W)	3088	3308	4416	4792	5670
Power in Watt (W)	990	1062	1382	1607	1838
Motor Speed (RPM)	3600				
Heating Capacity (W)	6535	7000	8598	10010	11842
Power in Watt (W)	2046	2194	2670	3105	3551
Motor Speed (RPM)	5400				
Heating Capacity (W)	9778	10474	12876	14991	17734
Power in Watt (W)	3139	3366	4046	4704	5380
Motor Speed (RPM)	6000				
Heating Capacity (W)	10873	11646	14284	16630	19673
Power in Watt (W)	3527	3783	4550	5290	6050

E.T. -7°C, C.T. 50°C, Superheat 5°C, Subcooling 4°C, @1800 RPM, 3600 RPM, 5400 RPM & 6000RPM

YIW Series

Specifications

R410A

*Variable Speed
(With EVI, EVI is Optional)*

Model	YIW38C2G -V100	YIW42C2G -V100	YIW38C1G -V100	YIW42C1G -V100	YIW50C1G -V100	YIW60C1G -V100	YIW72C1G -V100	YIW130C1G -V100
Power Input to Inverter Driver	220V/1~/50Hz		380-420V/3~/50Hz or 60Hz					
Displacement (cc/rev)	38	42	38	42	50	60	72	130
Refrigerant	R410A							
Heating Capacity (W)	20685	22862	19319	21384	25457	29791	35391	55575
Power in Watt (W)	5460	6035	5155	5690	6595	7717	9205	16704
COP (W/W)	3.79	3.79	3.75	3.76	3.86	3.86	3.84	3.33
Running current (A)	24.8	27.4	8.4	8.6	12.3	13.7	15.8	36.0
MOC (A)	36.0	36.0	12.9	13.3	18.8	21.0	24.2	75.0
Rated Motor Speed (RPM)	4500							
Running Speed (RPM)	1800-5400							1800-7200
Crankcase Heater (W)	70							120
Fitting Dimensions (Inch)								
Discharge Tube(OD)	1/2							1 1/8
Suction Tube(OD)	7/8							1 3/8
Product Dimensions (mm)								
Length (L)	239							359.8
Width (W)	239							326.2
Height (H)	419							612.2
Feet Dimensions (Hole)	190.5×190.5(8.8)							232×232(8.8)
Oil Type	POE							
Initial Charge Volume (L)	1.4							5.5
Recharge Volume (L)	1.25							5.2
Max Pressure (MPa)								
High Side	4.3							
Low Side	2.0							
Weight (kg)	29.5	29.5	29.5	29.5	29.5	29.5	29.5	80.0

YIW38-72 Rated Working Condition: E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C, EVI Off @4500 RPM

YIW130 Rated Working Condition: E.T. -7°C, C.T. 50°C, Superheat 10°C, Subcooling 5°C, Injection Pressure 1400kPa

Model	YIW38C2G -V100	YIW42C2G -V100	YIW38C1G -V100	YIW42C1G -V100	YIW50C1G -V100	YIW60C1G -V100	YIW72C1G -V100	YIW130C1G -V100
Motor Speed (RPM)	1800							
Heating Capacity (W)	8295	9168	7747	8575	10208	11946	14192	22230
Power in Watt (W)	2326	2571	2196	2424	2809	3287	3921	6682
Motor Speed (RPM)	3600							
Heating Capacity (W)	16589	18335	15494	17150	20417	23892	28384	44460
Power in Watt (W)	4330	4786	4088	4512	5230	6120	7300	13363
Motor Speed (RPM)	5400							
Heating Capacity (W)	24677	27274	23376	25875	30803	36047	42823	66690
Power in Watt (W)	6787	7502	6320	6976	8085	9461	11285	20045

YIW38-72 E.T. 5°C, C.T. 55°C, Superheat 11.1°C, Subcooling 8.3°C, EVI Off @1800 RPM, 3600 RPM & 5400 RPM

YIW130 E.T. -7°C, C.T. 50°C, Superheat 10°C, Subcooling 5°C, Injection Pressure 1400kPa @1800 RPM, 3600 RPM & 5400 RPM

YIW Series

Specifications

R134a

Variable Speed

Model	YIW60J2G-100	YIW72J2G-100	YIW60J1G-100	YIW72J1G-100
Power Input to Inverter Driver	220V/1~/50Hz		380-420V/3~/50Hz or 60Hz	
Displacement (cc/rev)	38	42	60	72
Refrigerant	R134a			
Heating Capacity (W)	14431	17340	14421	16933
Power in Watt (W)	3560	4286	3510	4139
COP (W/W)	4.05	4.05	4.11	4.09
Running current (A)	10.8	13.0	7.0	8.1
MOC (A)	24.1	29.0	16.0	19.2
Rated Motor Speed (RPM)	4500			
Running Speed (RPM)	1800-5400			
Crankcase Heater (W)	70			
Fitting Dimensions (Inch)				
Discharge Tube(OD)	1/2			
Suction Tube(OD)	7/8			
Product Dimensions (mm)				
Length (L)	239			
Width (W)	239			
Height (H)	419			
Feet Dimensions (Hole)	190.5×190.5(8.8)			
Oil Type	POE			
Initial Charge Volume (L)	1.4			
Recharge Volume (L)	1.25			
Max Pressure (MPa)				
High Side	3.0			
Low Side	2.0			
Weight (kg)	29.5	29.5	29.5	29.5

Rated Working Condition: E.T. 7.2°C, C.T. 54.4°C, Superheat 11.1°C, Subcooling 8.3°C @4500 RPM

Model	YIW60J2G-100	YIW72J2G-100	YIW60J1G-100	YIW72J1G-100
Motor Speed (RPM)	1800			
Heating Capacity (W)	5758	6919	5754	6756
Power in Watt (W)	1410	1697	1390	1639
Motor Speed (RPM)	3600			
Heating Capacity (W)	11357	13647	11349	13326
Power in Watt (W)	2780	3347	2741	3233
Motor Speed (RPM)	5400			
Heating Capacity (W)	17476	20999	17464	20506
Power in Watt (W)	4365	5255	4303	5074

E.T. 7.2°C, C.T. 54.4°C, Superheat 11.1°C, Subcooling 8.3°C @1800 RPM, 3600 RPM & 5400 RPM

YW Series

Capacity

R290

Classic Series

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	15	25	
YW46P1-100	Heating Capacity (W)	80					4400	4820	5347	6661		
		70				3949	4413	4985	5648	7182	8881	
		60			3139	3500	3985	4578	5262	6020	7693	9463
		50	2495	2715	3075	3559	4150	4831	5587	6399	8130	9890
		40	2361	2697	3156	3722	4378	5107	5894	6721	8428	10097
		30	2387	2799	3316	3924	4605	5342	6119	6920		
		20	2510	2957	3493	4101	4766	5471	6198			
	Power (W)	80						2626	2743	2840	2976	
		70					2144	2250	2342	2419	2527	2574
		60			1647	1747	1838	1919	1991	2052	2144	2193
		50	1279	1358	1433	1504	1571	1633	1689	1741	1827	1888
		40	1154	1200	1247	1295	1342	1390	1437	1484	1574	1659
		30	1046	1065	1089	1118	1152	1191	1234	1282		
		20	955	951	958	974	1000	1035	1080			
YW55P1-100	Heating Capacity (W)	80					5244	5764	6425	8087		
		70					4738	5316	6035	6872	8820	10988
		60			3774	4222	4829	5577	6441	7403	9531	11789
		50	3005	3274	3724	4333	5080	5943	6902	7934	10137	12381
		40	2852	3274	3855	4573	5405	6332	7332	8384	10556	12680
		30	2901	3425	4084	4858	5724	6662	7651	8668		
		20	3072	3644	4329	5106	5953	6850	7774			
	Power (W)	80						2973	3106	3216	3370	
		70					2428	2548	2651	2739	2861	2914
		60			1865	1978	2081	2173	2254	2324	2428	2483
		50	1448	1538	1623	1703	1778	1848	1913	1971	2068	2138
		40	1307	1359	1412	1466	1520	1574	1627	1680	1783	1879
		30	1184	1205	1233	1266	1305	1349	1397	1451		
		20	1081	1077	1084	1103	1132	1172	1223			
YW62P1-100	Heating Capacity (W)	80					5934	6522	7270	9152		
		70					5361	6016	6829	7777	9982	12437
		60			4271	4777	5465	6311	7290	8379	10787	13345
		50	3401	3705	4214	4903	5749	6726	7811	8981	11474	14015
		40	3227	3706	4363	5175	6118	7167	8299	9490	11949	14354
		30	3283	3876	4623	5498	6479	7541	8660	9812		
		20	3476	4124	4900	5780	6739	7754	8800			
	Power (W)	80						3362	3512	3637	3812	
		70					2746	2881	2999	3097	3236	3296
		60			2109	2237	2354	2458	2549	2628	2746	2808
		50	1638	1739	1835	1926	2011	2091	2163	2229	2339	2417
		40	1478	1537	1597	1658	1719	1780	1840	1900	2016	2125
		30	1339	1363	1394	1432	1475	1525	1580	1641		
		20	1222	1218	1226	1247	1281	1326	1383			

Remarks: Subcooling 0°C, S.H. 10°C

YW Series

Capacity

R290

Classic Series

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	15	25
YW78P1-100	Heating Capacity (W)	65					7335	8065	8994	11333	
		55				6632	7444	8455	9633	12374	15429
		50		5284	5912	6767	7818	9035	10388	13384	16565
		45	4208	4586	5218	6074	7125	8340	9689	11143	17405
		40	3994	4589	5406	6416	7588	8893	10301	11781	17831
		35	4066	4804	5732	6821	8041	9362	10754	12187	
		25	4308	5115	6080	7174	8367	9630	10931		
	Power (W)	65					4135	4320	4473	4688	
		55				3377	3544	3688	3809	3980	4053
		50		2594	2752	2894	3022	3135	3232	3377	3453
		45	2014	2139	2257	2369	2474	2571	2660	2741	2877
		40	1817	1890	1964	2039	2114	2189	2263	2337	2480
		35	1647	1677	1714	1761	1814	1876	1944	2018	
		25	1503	1498	1508	1534	1575	1631	1701		
YW91P1-100	Heating Capacity (W)	65					8410	9256	10337	13062	
		55				7618	8561	9737	11110	14308	17876
		50		6073	6802	7795	9019	10437	12016	15513	19229
		45	4839	5276	6010	7006	8231	9647	11222	12918	20230
		40	4597	5289	6242	7419	8787	10310	11953	13681	20743
		35	4688	5549	6633	7905	9329	10871	12495	14167	
		25	4977	5920	7048	8326	9720	11194	12712		
	Power (W)	65					4669	4877	5051	5293	
		55				3812	4001	4164	4301	4494	4576
		50		2929	3107	3268	3412	3540	3649	3812	3899
		45	2274	2415	2548	2675	2793	2903	3004	3095	3248
		40	2052	2134	2217	2302	2387	2471	2556	2639	2800
		35	1860	1893	1936	1988	2049	2118	2195	2279	
		25	1697	1691	1703	1732	1778	1841	1920		
YW110P1-100	Heating Capacity (W)	65					10232	11267	12591	15934	
		55				9277	10432	11873	13557	17482	21864
		50		7399	8290	9507	11007	12747	14684	18977	23541
		45	5896	6430	7329	8550	10052	11790	13722	15805	20250
		40	5604	6452	7621	9066	10744	12614	14630	16751	21135
		35	5720	6777	8108	9669	11417	13310	15304	17357	
		25	6078	7237	8622	10192	11903	13713	15577		
	Power (W)	65					5635	5887	6096	6388	
		55				4602	4829	5026	5191	5424	5524
		50		3536	3750	3945	4119	4272	4404	4602	4706
		45	2745	2915	3076	3228	3371	3504	3626	3736	3920
		40	2477	2576	2677	2778	2881	2983	3085	3185	3379
		35	2245	2285	2336	2399	2473	2556	2649	2750	
		25	2049	2041	2055	2090	2146	2222	2318		

Remarks: Subcooling 0°C, S.H. 10°C

YW Series

R290

Capacity

Classic Series

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	15	25
YW130P1-100	Heating Capacity (W)	80					12011	13229	14789	18732	
		70				10896	12256	13954	15940	20569	25739
		60		8691	9740	11175	12943	14994	17279	22342	27727
		50	6927	7555	8614	10054	11824	13874	16152	18609	23853
		40	6585	7585	8963	10667	12647	14851	17230	19732	24903
		30	6725	7972	9542	11383	13446	15678	18030	20451	
		20	7149	8517	10152	12004	14023	16157	18356		
		80					6587	6881	7126	7467	
	Power (W)	70				5379	5645	5874	6067	6340	6456
		60		4132	4383	4610	4814	4994	5148	5379	5500
		50	3208	3407	3595	3773	3940	4095	4238	4367	4582
		40	2895	3011	3128	3248	3367	3487	3605	3723	3950
		30	2624	2670	2731	2804	2890	2988	3096	3215	
		20	2395	2386	2402	2443	2509	2597	2709		
YW143P1-100	Heating Capacity (W)	80					13156	14491	16200	20521	
		70				11935	13426	15287	17463	22536	28202
		60		9520	10670	12242	14180	16428	18931	24481	30383
		50	7588	8276	9436	11014	12955	15201	17698	20390	26137
		40	7213	8310	9820	11687	13857	16273	18880	21622	27290
		30	7367	8734	10455	12473	14733	17180	19758	22411	
		20	7833	9332	11124	13154	15366	17705	20116		
		80					7211	7532	7801	8174	
	Power (W)	70				5888	6179	6431	6642	6940	7068
		60		4524	4798	5047	5270	5467	5636	5888	6021
		50	3512	3729	3936	4131	4314	4483	4639	4780	5016
		40	3169	3296	3425	3555	3686	3817	3947	4075	4324
		30	2872	2923	2990	3070	3164	3271	3389	3519	
		20	2622	2612	2629	2675	2746	2843	2965		
YW158P1-100	Heating Capacity (W)	80					15708	19612	24614	31041	39222
		70				13244	16770	21255	27026	34414	43744
		60		10668	12147	13790	17732	22822	29389	37762	48268
		50	8216	9497	10907	12487	14280	18662	24383	31771	
		40	8354	9655	11132	12827	14780	19629	26006		
		30	8523	9855	11411	13233	15361	20701			
		20	8789	10166	11814	13776	16091				
		80					8050	8475	8810	9107	9413
	Power (W)	70				6546	6939	7248	7521	7808	8159
		60		5327	5517	5680	5953	6194	6454	6781	7224
		50	4370	4534	4673	4793	4901	5102	5325	5619	
		40	3894	3986	4067	4142	4218	4395	4649		
		30	3427	3472	3519	3573	3642	3844			
		20	2979	3001	3038	3096	3182				

Remarks: Subcooling 0°C, S.H. 10°C

YW Series

Capacity

R290

Classic Series

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	0	10	20	30	40
YW167P1-100	Heating Capacity (W)	80					17047	21342	26852	33936	42957
		70				14382	18261	23201	29563	37708	47996
		60		11583	13209	15017	19359	24970	32210	41442	53024
		50	8910	10319	11870	13611	15586	20417	26724	34870	
		40	9081	10513	12141	14009	16163	21510	28541		
		30	9284	10753	12470	14479	16826	22714			
		20	9594	11113	12932	15095	17648				
	Power (W)	80					8593	9046	9405	9721	10048
		70				6987	7407	7737	8028	8335	8709
		60		5687	5889	6063	6354	6612	6889	7238	7711
		50	4665	4840	4989	5117	5231	5446	5684	5998	
		40	4156	4255	4341	4422	4503	4692	4962		
		30	3658	3706	3756	3814	3887	4104			
		20	3180	3203	3243	3305	3396				
YW200P1-100	Heating Capacity (W)	80					20152	25229	31742	40117	50780
		70				17001	21586	27426	34946	44575	56737
		60		13693	15615	17752	22884	29517	38076	48989	62681
		50	10533	12198	14032	16090	18424	24135	31591	41220	
		40	10735	12428	14352	16561	19107	25427	33738		
		30	10974	12711	14740	17116	19890	26850			
		20	11342	13137	15287	17844	20862				
	Power (W)	80					10158	10694	11118	11491	11877
		70				8260	8756	9145	9491	9853	10295
		60		6722	6961	7167	7511	7816	8144	8557	9116
		50	5514	5721	5897	6049	6184	6437	6719	7091	
		40	4913	5030	5132	5227	5323	5546	5866		
		30	4324	4381	4440	4509	4595	4851			
		20	3759	3787	3834	3907	4015				
YW225P1-100	Heating Capacity (W)	80					22319	28018	35336	44753	56748
		70				18841	23987	30548	39005	49834	63514
		60		15172	17328	19727	25494	32952	42579	54852	70251
		50	11659	13526	15585	17897	20520	26942	35329	46158	
		40	11908	13810	15973	18457	21321	28430	37778		
		30	12199	14153	16436	19108	22230	30058			
		20	12634	14655	17074	19951	23346				
	Power (W)	80					11065	11649	12110	12518	12938
		70				8997	9538	9962	10338	10733	11215
		60		7323	7583	7808	8182	8514	8871	9321	9930
		50	6007	6232	6424	6589	6736	7012	7319	7724	
		40	5352	5479	5590	5694	5798	6042	6390		
		30	4710	4772	4837	4912	5006	5284			
		20	4095	4125	4176	4256	4373				

Remarks: Subcooling 0°C, S.H. 10°C

YW Series

R515B

Capacity

Ultra-High Tem. K Series

Model	C.T. (°C)	E.T. (°C)										
		-5	0	5	10	15	20	25	30	35	40	
YW290K1-100	Heating Capacity (W)	100					25563	29301	33880	39345	45742	53116
		90			21329	24366	28204	32889	38465	44978	52476	61002
		80	17688	19883	22838	26599	31213	36723	43178	50621	59099	68658
		70	18507	21203	24711	29077	34346	40564	47777	56031	65371	75842
		60	19686	22764	26706	31557	37363	44169	52022	60966	71048	82314
		50	20984	24326	28582	33799	40022	47297	55670	65186		
		40	22160	25646	30098	35561	42082	49707				
		30	22973	26483	31011	36602						
	Power (W)	100					13514	14157	14816	15491	16181	16885
		90			10691	11235	11792	12363	12947	13543	14152	14771
		80	8445	8899	9365	9842	10329	10826	11333	11849	12374	12907
		70	7467	7858	8258	8666	9081	9503	9931	10365	10804	11248
		60	6668	6995	7327	7664	8005	8349	8696	9046	9398	9751
		50	6006	6267	6529	6793	7058	7322	7587	7850		
		40	5436	5629	5820	6009	6195	6379				
		30	4916	5039	5156	5269						
YW470K1-100	Heating Capacity (W)	100					39375	45133	52185	60603	70457	81816
		90			32853	37532	43444	50659	59248	69281	80829	93963
		80	27246	30626	35178	40972	48077	56566	66507	77972	91031	105755
		70	28506	32659	38063	44788	52904	62482	73592	86305	100691	116821
		60	30322	35064	41136	48608	57551	68035	80130	93907	109437	126790
		50	32322	37469	44026	52061	61647	72853	85749	100407		
		40	34134	39503	46360	54775	64820	76564				
		30	35386	40793	47767	56379						
	Power (W)	100					21461	22482	23528	24600	25695	26814
		90			16977	17841	18726	19633	20560	21507	22473	23457
		80	13411	14132	14872	15629	16402	17192	17997	18817	19650	20496
		70	11858	12479	13114	13762	14421	15090	15770	16459	17157	17862
		60	10589	11109	11636	12171	12712	13259	13810	14365	14924	15485
		50	9537	9952	10369	10787	11208	11628	12048	12467		
		40	8633	8939	9242	9542	9838	10130				
		30	7807	8002	8189	8367						

Remarks: Subcooling 10°C, S.H. 10°C

YW Series

Capacity

R245fa

Ultra-High Tem. L Series

Model	C.T. (°C)	E.T. (°C)									
		22	25	30	35	40	45	50	55	60	65
YW470L1-V100	Heating Capacity (W)	135				33782	38869	44648	51158	58437	66523
		130	20635	22499	26056	30208	34992	40448	46613	53526	61224
		125	20857	22891	26743	31206	36319	42120	48647	55937	64030
		120	21244	23433	27556	32307	37724	43846	50710	58354	66818
		115	21758	24086	28456	33471	39168	45586	52763	60738	69547
		110	22359	24813	29406	34659	40612	47303	54769	63048	72180
		105	23009	25574	30365	35833	42018	48956	56687	65248	74677
		100	23669	26331	31295	36954	43346	50508	58479	67297	76999
		95	24300	27043	32158	37983	44558	51919	60106	69156	79108
		90	24863	27674	32914	38881	45614	53151	61529	70788	80965
		85	25319	28183	33524	39609	46476	54164	62710	72153	82530
		80	25630	28531	33950	40128	47106	54920	63609	73212	
		75	25756	28681	34152	40400	47463	55380	64188	73926	
	Power (W)	135				18782	19649	20519	21384	22236	23067
		130	14700	15164	15961	16780	17614	18454	19292	20122	20933
		125	13715	14168	14942	15734	16536	17340	18139	18924	19687
		120	12842	13277	14020	14777	15539	16299	17049	17781	18487
		115	12070	12484	13187	13899	14612	15320	16012	16683	17323
		110	11390	11777	12431	13091	13747	14393	15020	15620	16186
		105	10792	11147	11744	12342	12933	13509	14062	14583	15067
		100	10267	10584	11116	11644	12161	12658	13128	13563	13954
		95	9805	10080	10537	10987	11421	11831	12209	12548	12840
		90	9395	9623	9998	10360	10703	11017	11296	11531	11714
		85	9030	9205	9488	9755	9998	10208	10378	10500	10566
		80	8698	8815	8998	9161	9295	9393	9446	9446	
		75	8390	8444	8519	8569	8586	8562	8490	8360	

Remarks: Subcooling 10°C, S.H. 5°C

YW/YSW Series

Capacity

R410A

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW75C2-102	Heating Capacity (W)	65					8827	10263	11663	13223
		55		5722	6958	8396	9677	10952	12436	13904
		50	4974	6225	7272	8646	9957	11279	12835	14315
		45	5428	6570	7539	8865	10235	11627	13275	14938
		40	5633	6783	7689	9096	10468	11962	13685	15474
		35	5887	6925	7839	9278	10731	12302	14130	16087
		25	5912	7067	7988	9460	10994	12643	14576	
	Power (W)	65					3782	3763	3800	3855
		55		2818	2892	2967	2997	2981	3011	3055
		50	2497	2531	2564	2643	2680	2666	2695	2736
		45	2263	2289	2350	2371	2415	2426	2447	2480
		40	2015	2068	2099	2138	2159	2172	2194	2226
		35	1803	1846	1874	1911	1933	1951	1978	2011
		25	1616	1624	1648	1685	1707	1729	1762	
YW110C2-100	Heating Capacity (W)	65					12493	14387	16354	18545
		55		8018	9752	11772	13569	15362	17446	19507
		50	6970	8724	10195	12124	13966	15823	18009	20088
		45	7607	9212	10572	12434	14359	16315	18629	20964
		40	7896	9513	10785	12761	14688	16787	19206	21720
		35	8256	9714	10997	13018	15059	17267	19834	22582
		25	8292	9915	11208	13276	15430	17746	20461	
	Power (W)	65					5103	5077	5127	5201
		55		3939	3902	4003	4043	4023	4062	4122
		50	3491	3414	3460	3566	3615	3597	3636	3692
		45	3053	3088	3171	3199	3258	3273	3301	3345
		40	2719	2790	2832	2885	2914	2931	2961	3004
		35	2433	2491	2528	2579	2608	2632	2669	2714
		25	2180	2191	2224	2273	2303	2333	2377	
YW75C1-100	Heating Capacity (W)	65					8753	10189	11589	13147
		55		5667	6901	8338	9618	10894	12377	13844
		50	4925	6175	7222	8594	9904	11227	12782	14262
		45	5384	6526	7493	8818	10188	11580	13227	14889
		40	5593	6743	7648	9054	10426	11920	13642	15431
		35	5852	6889	7802	9241	10693	12264	14091	16048
		25	5880	7035	7956	9427	10960	12609	14541	
	Power (W)	65					3708	3689	3725	3779
		55		2762	2836	2909	2938	2923	2952	2995
		50	2448	2481	2514	2591	2627	2614	2642	2683
		45	2218	2244	2304	2324	2368	2378	2399	2431
		40	1975	2027	2058	2096	2117	2130	2151	2182
		35	1768	1810	1837	1874	1895	1913	1939	1972
		25	1584	1592	1616	1652	1673	1696	1727	

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

Capacity

R410A

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW110C1-100	Heating Capacity (W)	65					12392	14287	16253	18443
		55		7941	9675	11693	13490	15283	17366	19427
		50	6902	8657	10127	12054	13895	15752	17938	20016
		45	7547	9151	10510	12371	14295	16250	18564	20898
		40	7843	9458	10730	12704	14631	16729	19148	21661
		35	8208	9665	10947	12968	15008	17215	19782	22529
		25	8249	9872	11164	13232	15385	17701	20415	
	Power (W)	65					5003	4978	5026	5099
		55		3861	3826	3925	3964	3944	3982	4041
		50	3422	3347	3392	3496	3545	3526	3565	3620
		45	2993	3027	3109	3136	3195	3209	3236	3280
		40	2665	2735	2777	2829	2856	2873	2903	2945
		35	2385	2442	2479	2528	2557	2581	2616	2661
		25	2137	2148	2181	2228	2258	2288	2330	
YW135C1-100	Heating Capacity (W)	65					15274	17630	20071	22790
		55		9774	11927	14432	16664	18893	21481	24040
		50	8906	10674	12500	14892	17178	19487	22202	24783
		45	9304	11296	12983	15295	17684	20114	22989	25888
		40	9680	11684	13264	15716	18111	20717	23723	26845
		35	10140	11949	13542	16052	18586	21329	24517	27931
		25	10197	12214	13819	16387	19062	21940	25311	
	Power (W)	65					6315	6282	6344	6436
		55		4704	4829	4953	5003	4978	5026	5101
		50	4169	4225	4281	4413	4474	4451	4499	4568
		45	3777	3821	3923	3958	4032	4050	4085	4140
		40	3364	3452	3504	3570	3605	3627	3664	3717
		35	3010	3082	3128	3191	3227	3257	3302	3358
		25	2697	2711	2752	2812	2850	2887	2941	
YW160C1-100	Heating Capacity (W)	65					17283	19948	22711	25788
		55		11060	13495	16330	18856	21378	24306	27202
		50	9955	12078	14144	16850	19437	22050	25121	28042
		45	10527	12782	14690	17306	20010	22759	26012	29293
		40	10953	13221	15008	17783	20493	23442	26843	30375
		35	11473	13520	15323	18163	21031	24133	27741	31604
		25	11538	13820	15637	18542	21569	24825	28640	
	Power (W)	65					7146	7109	7179	7283
		55		5323	5464	5605	5661	5633	5688	5772
		50	4718	4781	4844	4993	5062	5037	5091	5170
		45	4275	4324	4440	4479	4562	4583	4622	4684
		40	3807	3907	3966	4040	4080	4104	4146	4206
		35	3406	3487	3540	3611	3652	3686	3737	3800
		25	3052	3068	3114	3183	3225	3267	3328	

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

Capacity

R410A

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW185C1-100	Heating Capacity (W)	65					20931	24159	27505	31231
		55		13394	16344	19777	22837	25891	29437	32944
		50	12204	14627	17129	20407	23540	26705	30424	33962
		45	12749	15480	17791	20959	24234	27563	31503	35477
		40	13265	16012	18177	21537	24819	28391	32510	36787
		35	13895	16375	18557	21997	25470	29228	33598	38276
		25	13974	16737	18937	22457	26122	30065	34686	
	Power (W)	65					8653	8609	8694	8820
		55		6446	6617	6788	6856	6821	6888	6990
		50	5713	5790	5866	6047	6131	6099	6166	6260
		45	5177	5236	5377	5425	5525	5550	5597	5673
		40	4610	4731	4802	4892	4940	4970	5021	5093
		35	4125	4223	4287	4373	4423	4463	4525	4602
		25	3697	3715	3771	3854	3905	3957	4030	
YW245C1-100	Heating Capacity (W)	65					27675	31358	35609	40496
		55			22257	25491	29200	33451	38312	43849
		50	16976	19644	22672	26129	30080	34595	39739	45581
		45	17110	19945	23160	26825	31005	35768	41182	47314
		40	17319	20306	23695	27553	31948	36946	42616	49023
		35	17578	20704	24252	28290	32885	38104	44015	
		25	18142	21503	25328	29683	34636			
	Power (W)	65					10535	10882	11244	11667
		55			8249	8491	8705	8933	9219	9605
		50	7027	7346	7570	7743	7907	8107	8384	8783
		45	6548	6776	6931	7054	7190	7381	7671	8102
		40	6069	6227	6332	6427	6555	6758	7080	7564
		35	5591	5700	5777	5863	6002	6238	6612	
		25	4647	4718	4797	4927	5151			
YW270C1-100	Heating Capacity (W)	65					29828	34408	39158	44448
		55		19101	23289	28164	32506	36840	41873	46852
		50	17191	20841	24392	29047	33495	37985	43265	48286
		45	18167	22043	25325	29822	34471	39196	44787	50428
		40	18890	22791	25864	30634	35292	40361	46208	52279
		35	19779	23298	26396	31279	36209	41543	47745	54384
		25	19884	23805	26929	31925	37127	42724	49282	
	Power (W)	65					12404	12341	12462	12643
		55		9241	9486	9730	9828	9778	9874	10020
		50	8190	8299	8409	8668	8788	8743	8838	8974
		45	7420	7506	7707	7776	7920	7956	8024	8132
		40	6608	6782	6884	7013	7082	7124	7197	7301
		35	5913	6054	6145	6269	6340	6398	6487	6597
		25	5299	5326	5406	5525	5598	5672	5777	

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

Capacity

R410A

Classic Series

Model	C.T. (°C)	E.T. (°C)							
		-20	-15	-10	-5	0	5	10	15
YW300C1-100	Heating Capacity (W)	65				32796	37854	43096	48935
		55		20987	25609	30988	35781	40566	51617
		50	18890	22919	26839	31975	36884	41842	53212
		45	19977	24254	27876	32840	37971	43187	55586
		40	20784	25088	28480	33745	38886	44483	57639
		35	21772	25656	29076	34465	39908	45795	59971
		25	21895	26224	29672	35186	40929	47107	54347
	Power (W)	65				13559	13490	13622	13820
		55		10101	10369	10637	10743	10688	10793
		50	8952	9072	9192	9475	9606	9557	9661
		45	8111	8205	8425	8500	8658	8697	8771
		40	7223	7413	7525	7666	7741	7787	7867
		35	6463	6618	6717	6853	6930	6994	7091
		25	5792	5822	5910	6039	6119	6200	6315
YW320C1-100	Heating Capacity (W)	65				34026	39273	44713	44713
		55		21774	26569	32150	37123	42088	47852
		50	19599	23778	27845	33174	38267	43411	49458
		45	20726	25164	28921	34072	39395	44807	51211
		40	21563	26029	29548	35010	40345	46151	52847
		35	22588	26618	30166	35758	41404	47512	54616
		25	22716	27208	30785	36505	42463	48874	56385
	Power (W)	65				14068	13996	14133	14133
		55		10480	10758	11035	11146	11089	11198
		50	9288	9413	9537	9831	9967	9916	10024
		45	8416	8513	8741	8819	8982	9023	9100
		40	7494	7691	7807	7954	8032	8079	8162
		35	6706	6866	6969	7110	7190	7256	7357
		25	6009	6040	6131	6266	6349	6433	6552
YW340C1-105	Heating Capacity (W)	65				39724	45052	51204	58275
		55			31956	36638	42009	48166	55205
		50	24346	28202	32586	37592	43317	49857	57307
		45	24559	28661	33319	38629	44686	51587	59428
		40	24881	29207	34118	39710	46079	53321	61531
		35	25275	29804	34947	40801	47459	55020	63578
		25	26131	31002	36546	42858	50033		
	Power (W)	65				15267	15769	16295	16908
		55			11954	12305	12615	12945	13359
		50	10184	10645	10970	11220	11459	11748	12150
		45	9489	9820	10044	10223	10420	10697	11117
		40	8795	9024	9177	9314	9499	9793	10260
		35	8103	8261	8371	8496	8698	9039	9582
		25	6735	6838	6952	7140	7465		

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R410A

Capacity

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW400C1-105	Heating Capacity (W)	65					45441	51520	58537	66604
		55			36552	41892	48017	55039	63066	72209
		50	27858	32259	37259	42968	49496	56953	65450	75095
		45	28094	32773	38085	44139	51045	58915	67856	77981
		40	28454	33387	38987	45362	52624	60881	70244	80823
		35	28895	34060	39923	46596	54188	62810	72571	
		25	29856	35410	41730	48927	57109			
	Power (W)	65					17107	17669	18258	18944
		55			13394	13787	14134	14505	14969	15596
		50	11411	11928	12291	12572	12839	13163	13614	14261
		45	10632	11003	11253	11454	11675	11986	12456	13156
		40	9854	10111	10282	10436	10643	10973	11496	12281
		35	9079	9256	9380	9520	9746	10128	10737	
		25	7546	7661	7790	8000	8364			
YW550C1-100	Heating Capacity (W)	65					60895	69342	78984	89920
		55			50154	57663	66296	76152	87330	99928
		50	38429	44392	51345	59386	68615	79130	91029	104413
		45	38724	45063	52454	60997	70791	81934	94526	108665
		40	39083	45766	53565	62580	72908	84650	97903	112767
		35	39588	46586	54763	64219	75052	87361	101245	
		25	41376	48912	57753	68000	79751			
	Power (W)	65					22753	23366	23921	24419
		55			17690	18339	18951	19526	20066	20568
		50	14895	15559	16198	16811	17398	17959	18493	19001
		45	13679	14290	14886	15466	16030	16579	17111	17627
		40	12604	13164	13718	14268	14812	15350	15882	16408
		35	11632	12143	12659	13180	13706	14237	14772	
		25	9858	10278	10725	11196	11693			
YW630C1-100	Heating Capacity (W)	65					66364	75562	86060	97967
		55			54655	62832	72233	82964	95134	108851
		50	41882	48376	55947	64703	74752	86201	99157	113730
		45	42200	49102	57151	66453	77117	89250	102960	118354
		40	42587	49864	58357	68172	79418	92203	106633	122816
		35	43134	50754	59657	69953	81748	95150	110268	
		25	45075	53280	62907	74064	86858			
	Power (W)	65					24840	25509	26115	26659
		55			19313	20021	20689	21318	21906	22454
		50	16261	16986	17684	18353	18994	19606	20190	20744
		45	14934	15601	16251	16885	17501	18099	18680	19244
		40	13760	14371	14977	15576	16170	16758	17339	17913
		35	12699	13257	13820	14389	14964	15543	16127	
		25	10762	11221	11708	12223	12766			

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R410A

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	10	15
YW75C2-V102	Heating Capacity (W)	65						10147	11782	13248	14893
		55	4552	4986	5562	6721	7979	9579	10959	12228	13657
		50	4858	5265	5793	7243	8299	9817	11147	12411	13889
		45	5079	5645	6305	7518	8602	9979	11312	12619	14187
		40	5347	6184	6513	7756	8675	10080	11367	12799	14462
		35	6017	6337	6843	7947	8803	10193	11562	13061	14863
		25	5959	6326	6752	7876	8695	10114	11610	13273	15309
	Power (W)	65						4212	4130	4116	4123
		55	2539	2767	2988	3207	3182	3258	3255	3209	3207
		50	2572	2652	2722	2810	2805	2864	2884	2850	2852
		45	2288	2382	2444	2485	2531	2543	2582	2580	2576
		40	1926	2047	2136	2192	2246	2288	2311	2324	2282
		35	1703	1815	1889	1938	1978	2029	2056	2065	2063
		25	1568	1640	1637	1678	1734	1793	1821	1824	1808
YW110C2-V100	Heating Capacity (W)	65						14368	16523	18581	20892
		55	6446	6978	7730	9419	11187	13434	15372	17155	19162
		50	6771	7305	8120	10155	11638	13771	15638	17414	19491
		45	7067	7820	8841	10544	12065	14001	15873	17709	19912
		40	7424	8550	9135	10880	12171	14145	15952	17964	20300
		35	8336	8753	9600	11151	12352	14304	16228	18333	20864
		25	8253	8734	9473	11053	12203	14195	16296	18632	21493
	Power (W)	65						5888	5773	5754	5763
		55	3685	3935	4199	4483	4447	4554	4550	4486	4483
		50	3636	3720	3805	3928	3921	4004	4032	3983	3987
		45	3238	3343	3416	3474	3538	3555	3609	3606	3600
		40	2731	2874	2985	3064	3140	3198	3230	3249	3190
		35	2418	2550	2640	2709	2765	2836	2874	2886	2884
		25	2229	2305	2289	2345	2424	2506	2545	2550	2528
YW135C2-V100	Heating Capacity (W)	65						16991	19438	21785	24218
		55	7899	8504	9380	11202	13215	15791	18002	20030	22320
		50	8226	8843	10120	11985	13677	16119	18253	20275	22645
		45	8546	9424	10434	12384	14126	16336	18482	20573	23086
		40	8932	10250	10722	12725	14206	16464	18530	20828	23487
		35	9983	10469	11218	12998	14375	16610	18809	21212	24100
		25	9873	10429	11043	12850	14170	16452	18854	21519	24782
	Power (W)	65						7315	7172	7148	7159
		55	4653	4925	5230	5569	5525	5657	5653	5573	5569
		50	4538	4629	4726	4879	4871	4973	5008	4949	4952
		45	4045	4160	4243	4315	4395	4417	4579	4480	4473
		40	3414	3578	3578	3806	3900	3973	4012	4036	3963
		35	3026	3176	3176	3365	3436	3523	3571	3585	3582
		25	2791	2871	2871	2914	3010	3113	3161	3141	3141

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.≤112°C, control injecting superheat=6K; Discharge temp.>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R410A

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	10	15
YW152C2-V100	Heating Capacity (W)	65						18252	20925	23485	45652
		55	8439	9088	10032	12005	14202	17005	19416	21630	26600
		50	8799	9469	10857	12885	14730	17388	19714	21920	26953
		45	9167	10119	11217	13341	15237	17646	19979	22263	27776
		40	9611	11042	11556	13732	15343	17802	20053	22557	28755
		35	10771	11295	12112	14046	15544	17978	20373	22993	29528
		25	10660	11263	11932	13901	15337	17821	20437	23344	26901
	Power (W)	65						7703	7552	7527	7538
		55	4900	5186	5507	5864	5818	5957	5953	5868	5890
		50	4779	4874	4977	5138	5129	5237	5274	5211	5243
		45	4259	4381	4468	4544	4628	4651	4822	4717	4726
		40	3595	3768	3768	4008	4107	4184	4225	4250	4243
		35	3186	3344	3344	3543	3618	3710	3760	3775	3772
		25	2939	3023	3023	3068	3170	3278	3329	3307	3307
YW75C1-V100	Heating Capacity (W)	65						10064	11701	13167	14812
		55	4503	4931	5503	6658	7917	9515	10895	12165	15008
		50	4808	5213	5740	7188	8244	9761	11090	12355	15233
		45	5035	5599	6258	7470	8552	9930	11262	12569	15723
		40	5309	6144	6471	7713	8631	10036	11322	12754	16300
		35	5983	6302	6806	7909	8764	10153	11522	13020	16760
		25	5928	6294	6720	7844	8661	10079	11574	13237	15274
	Power (W)	65						4130	4049	4035	4042
		55	2489	2713	2929	3144	3119	3194	3192	3146	3158
		50	2522	2600	2668	2755	2750	2808	2828	2794	2811
		45	2243	2336	2396	2436	2482	2494	2531	2529	2534
		40	1888	2007	2094	2149	2202	2243	2265	2279	2237
		35	1669	1780	1852	1900	1940	1989	2016	2024	2022
		25	1537	1608	1605	1645	1700	1758	1785	1788	1773
YW110C1-V100	Heating Capacity (W)	65						14253	16409	18468	20779
		55	6374	6901	7648	9331	11099	13345	15283	17068	21061
		50	6700	7232	8045	10078	11561	13692	15559	17336	21380
		45	7003	7754	8774	10476	11996	13931	15802	17639	22069
		40	7370	8494	9076	10820	12109	14082	15889	17900	22882
		35	8289	8703	9548	11097	12297	14249	16171	18276	23529
		25	8209	8688	9429	11007	12155	14146	16246	18582	21443
	Power (W)	65						5773	5660	5641	5650
		55	3612	3857	4117	4395	4360	4465	4461	4398	4395
		50	3564	3647	3730	3851	3844	3925	3953	3905	3908
		45	3174	3278	3349	3406	3469	3486	3539	3536	3530
		40	2677	2818	2927	3004	3078	3136	3166	3185	3128
		35	2371	2500	2589	2655	2711	2781	2818	2830	2827
		25	2186	2260	2244	2299	2376	2457	2495	2500	2478

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.≤112°C, control injecting superheat=6K; Discharge temp.>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R410A

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	10	15
YW135C1-V100	Heating Capacity (W)	65						17079	19651	22107	24864
		55	7823	8429	9317	11190	13299	15979	18291	20420	25184
		50	8175	8812	10137	12074	13843	16386	18615	20734	25558
		45	8556	9462	10511	12543	14357	16666	18899	21090	26376
		40	9018	10382	10866	12948	14487	16841	18998	21397	27341
		35	10154	10647	11425	13274	14707	17036	19330	21841	28108
		25	10060	10634	11278	13162	14533	16909	19415	22202	25615
	Power (W)	65						6962	6826	6803	6814
		55	4429	4688	4977	5300	5259	5385	5381	5304	5324
		50	4320	4406	4499	4644	4636	4734	4768	4710	4740
		45	3849	3960	4039	4108	4184	4204	4268	4264	4257
		40	3250	3406	3530	3623	3712	3782	3819	3842	3772
		35	2880	3022	3122	3203	3270	3354	3398	3413	3410
		25	2656	2732	2706	2773	2866	2963	3009	3015	2989
YW160C1-V100	Heating Capacity (W)	65						19882	22918	25814	29063
		55	9184	9875	10910	13000	15487	18642	21367	23879	29494
		50	9582	10334	11637	14065	16151	19145	21770	24270	29955
		45	10067	11141	12245	14637	16773	19494	22123	24705	30936
		40	10657	12278	12682	15132	16943	19715	22255	25083	32089
		35	12043	12619	13355	15532	17217	19959	22662	25621	33007
		25	11943	12620	13196	15414	17027	19824	22776	26061	30085
	Power (W)	65						7958	7803	7777	7789
		55	5106	5380	5697	6059	6011	6155	6150	6063	6058
		50	4951	5041	5142	5309	5299	5411	5449	5384	5388
		45	4413	4531	4617	4695	4782	4805	4878	4874	4866
		40	3727	3897	4035	4141	4243	4323	4365	4391	4312
		35	3304	3459	3569	3661	3738	3833	3885	3901	3897
		25	3049	3127	3093	3169	3276	3387	3440	3446	3416
YW185C1-V100	Heating Capacity (W)	65						23405	26929	30295	34073
		55	10721	11551	12768	15334	18225	21897	25066	27983	31264
		50	11202	12076	13892	16545	18970	22456	25509	28413	31808
		45	11725	12967	14404	17188	19675	22839	25899	28901	32502
		40	12358	14227	14891	17744	19852	23079	26034	29322	33142
		35	13915	14590	15657	18191	20154	23345	26489	29931	34069
		25	13786	14573	15455	18036	19915	23171	26606	30425	35102
	Power (W)	65						9541	9355	9323	9338
		55	6069	6424	6821	7264	7206	7379	7373	7269	7263
		50	5920	6038	6165	6365	6353	6488	6533	6455	6460
		45	5275	5427	5535	5629	5733	5761	5849	5844	5834
		40	4454	4667	4837	4965	5087	5183	5233	5264	5169
		35	3947	4142	4278	4389	4481	4596	4657	4677	4672
		25	3640	3744	3709	3800	3927	4061	4124	4131	4096

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.≤112°C, control injecting superheat=6K; Discharge temp.>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R410A

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	10	15
YW245C1-V100	Heating Capacity (W)	65						31138	34738	38866	43598
		55	15341	17609	20008	22613	25499	28742	32414	36592	41351
		50	14935	17312	19846	22611	25683	29136	33045	37486	42532
		45	14621	17089	19739	22646	25885	29532	33660	38344	43661
		40	14390	16930	19679	22709	26098	29919	34248	39158	44726
		35	14232	16827	19655	22792	26311	30289	34800	39919	45720
		25	14099	16748	19682	22975	26703	30940	35761	41240	
	Power (W)	65							11691	11964	12293
		55	6804	7619	8204	8605	8871	9050	9188	9333	9533
		50	6551	7201	7642	7925	8095	8200	8289	8407	8604
		45	6287	6792	7114	7299	7396	7451	7512	7627	7843
		40	5992	6377	6600	6711	6756	6783	6840	6973	7231
		35	5649	5935	6084	6142	6158	6180	6254	6429	6751
		25	4748	4903	4968	4990	5016	5093	5270	5593	
YW270C1-V100	Heating Capacity (W)	65						34312	39668	44968	46362
		55	18789	20892	22636	25069	27154	32549	37080	41506	46750
		50	18252	20463	21621	24300	28334	33491	37848	42253	47699
		45	18300	20509	21151	25245	29230	34109	38439	42906	48736
		40	18064	21404	21878	25986	29561	34466	38723	43627	49825
		35	18021	20329	22957	26651	30075	34945	39488	44632	51325
		25	18417	20979	22540	26433	29768	34747	39734	45459	53001
	Power (W)	65						13327	13066	12896	12758
		55	10043	10152	10413	10815	10476	10461	10299	10153	10047
		50	8751	8873	9041	9348	9236	9197	9126	9016	8935
		45	8023	8122	8189	8268	8128	8127	8090	8005	7954
		40	7024	7121	7185	7218	7212	7239	7239	7212	7048
		35	6154	6269	6328	6381	6353	6419	6442	6407	6370
		25	5325	5435	5373	5524	5567	5672	5704	5660	5584
YW300C1-V100	Heating Capacity (W)	65						37594	43462	49269	50793
		55	20690	22959	24839	27479	29752	35662	40626	45476	51221
		50	20051	22452	23703	26625	31044	36694	41468	46295	52262
		45	20104	22502	23188	27660	32026	37371	42115	47010	53397
		40	19844	23482	23984	28472	32389	37763	42427	47800	54591
		35	19796	22304	25166	29201	32952	38287	43265	48901	56234
		25	20230	23016	24708	28961	32615	38071	43535	49807	58070
	Power (W)	65						14602	14316	14130	13975
		55	11106	11191	11447	11862	11478	11462	11284	11124	11008
		50	9642	9753	9920	10242	10120	10077	9999	9878	9790
		45	8843	8930	8986	9059	8905	8904	8864	8771	8714
		40	7748	7832	7886	7908	7902	7931	7931	7902	7722
		35	6794	6899	6947	6991	6960	7033	7058	7019	6980
		25	5886	5985	5900	6053	6100	6215	6250	6201	6119

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.≤112°C, control injecting superheat=6K; Discharge temp.>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R410A

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	10	15
YW320C1-V100	Heating Capacity (W)	65						38779	44833	50822	52395
		55	21342	23683	25622	28346	30690	36787	41907	46910	52836
		50	20684	23160	24451	27464	32023	37851	42776	47755	53910
		45	20738	23211	23919	28532	33036	38550	43443	48492	55081
		40	20469	24222	24740	29370	33410	38954	43765	49307	56312
		35	20420	23007	25960	30121	33991	39495	44629	50443	58007
		25	20868	23742	25487	29875	33643	39271	44908	51378	59901
	Power (W)	65						15062	14768	14575	14416
		55	11457	11544	11808	12236	11840	11823	11640	11475	11355
		50	9947	10061	10232	10565	10439	10395	10314	10190	10099
		45	9122	9212	9269	9344	9186	9185	9143	9047	8989
		40	7993	8079	8134	8157	8151	8181	8151	7965	8053
		35	7008	7116	7166	7211	7180	7255	7281	7241	7200
		25	6071	6174	6086	6244	6292	6411	6447	6396	6311
YW340C1-V105	Heating Capacity (W)	65						41768	46559	52054	58353
		55	20619	23660	26868	30344	34187	38501	43385	48941	55270
		50	20071	23251	26633	30317	34404	38995	44192	50096	56807
		45	19645	22941	26473	30342	34649	39495	44981	51209	58280
		40	19328	22716	26375	30405	34909	39986	45739	52268	59674
		35	19106	22563	26326	30495	35171	40457	46452	53259	60977
		25	18897	22422	26322	30698	35651	41283	47694	54986	
	Power (W)	65						15999	16370	16753	17214
		55	9528	10669	11488	12050	12423	12672	12865	13069	13349
		50	9174	10083	10702	11097	11335	11483	11606	11773	12049
		45	8803	9511	9962	10221	10356	10433	10519	10680	10983
		40	8391	8929	9243	9398	9461	9499	9578	9765	10126
		35	7911	8311	8519	8601	8624	8654	8758	9002	9453
		25	6648	6866	6957	6987	7023	7132	7379	7832	
YW400C1-V105	Heating Capacity (W)	65						47351	52765	58972	66089
		55	23395	26843	30474	34405	38749	43621	49138	55413	62561
		50	22772	26374	30199	34363	38980	44165	50033	56700	64280
		45	22287	26016	30009	34380	39244	44716	50910	57943	65929
		40	21923	25755	29889	34442	39526	45259	51754	59127	67492
		35	21667	25575	29825	34532	39812	45780	52549	60236	68956
		25	21416	25398	29802	34742	40334	46693	53934	62171	
	Power (W)	65						17786	18198	18623	19136
		55	10592	11860	12770	13395	13810	14087	14302	14528	14839
		50	10198	11209	11896	12336	12600	12765	12902	13087	13394
		45	9786	10573	11074	11362	11512	11598	11693	11872	12209
		40	9327	9926	10274	10447	10517	10559	10647	10855	11257
		35	8794	9239	9470	9561	9586	9620	9735	10007	10509
		25	7390	7633	7734	7767	7807	7928	8203	8707	

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.≤112°C, control injecting superheat=6K; Discharge temp.>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R410A

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YW550C1-V100	Heating Capacity (W)	65							68402	70476	81822	93168
		55	41624	49094	54525	58615	62062	65565	69821	76010	88314	100824
		50	44024	51007	56009	59727	62861	66107	70165	78604	91030	103766
		45	45721	52345	57044	60518	63465	66583	70569	81240	93551	106275
		40	46944	53335	57859	61216	64103	67218	71261	84034	95993	108469
		35	47919	54204	58681	62047	65001	68242	72467	87106	98475	
		25	50038	56493	61255	65022	68491	72363	77334			
	Power (W)	65							26705	22993	24053	24795
		55	19959	20847	21388	21692	21867	22022	22264	19606	19866	20436
		50	17847	18600	19086	19413	19691	20028	20532	18319	18390	19084
		45	15916	16542	16980	17340	17729	18255	19029	17042	17064	18024
		40	14094	14602	15000	15399	15907	16631	17681	15578	15693	17058
		35	12310	12706	13073	13519	14153	15083	16418	13733	14080	
		25	8562	8759	9086	9650	10560	11925	13853			
YW630C1-V100	Heating Capacity (W)	65							56022	63405	71076	75017
		55	24240	28558	34018	40481	47804	55849	64475	73540	82906	87936
		50	24361	29166	35119	42080	49909	58465	67608	77197	87092	94898
		45	24868	29948	36182	43431	51553	60408	69857	79758	89971	97008
		40	25646	30788	37092	44416	52619	61562	71105	81105	91425	90377
		35	26576	31570	37731	44918	52992	61811	71235	81124	91337	71114
		25	28430	32491	37732	44011	51188	59123	67675	76705		
	Power (W)	65							27873	27910	27743	26461
		55	19195	20061	20850	21544	22128	22584	22897	23049	23025	21984
		50	17640	18447	19190	19852	20418	20870	21193	21370	21385	20322
		45	16525	17249	17924	18532	19058	19484	19795	19974	20005	19504
		40	15685	16305	16889	17421	17885	18263	18540	18699	18723	19877
		35	14959	15452	15923	16357	16735	17043	17263	17380	17376	21786
		25	13192	13364	13543	13712	13855	13955	13995	13960		

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.≤112°C, control injecting superheat=6K; Discharge temp.>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R32

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YW630D1-V100	Heating Capacity (W)	65							87226	96242	88755	100324
		55	41214	48524	56027	63749	76618	79943	88465	97302	106479	116020
		50	42030	49042	56288	63793	76400	79676	88102	96884	106046	115613
		45	42207	48944	55957	63268	75648	78884	87238	95988	105159	114774
		40	41859	48346	55147	62287	74479	77684	85988	94729	103931	113618
		35	41104	47361	53974	60967	73006	76189	84467	93223	102479	112261
		25	38828	44697	51003	57770	69615	72782	81076	89928		
	Power (W)	65							32739	33354	29317	30115
		55	21941	22727	23477	24181	25184	25408	25910	26324	26639	26846
		50	19850	20478	21086	21664	22500	22688	23112	23464	23733	23909
		45	17974	18470	18962	19439	20148	20310	20682	20997	21246	21417
		40	16280	16669	17070	17473	18095	18242	18587	18891	19145	19338
		35	14736	15044	15380	15734	16310	16452	16795	17114	17399	17637
		25	11967	12190	12473	12804	13412	13575	13992	14417		

Remarks: Subcooling 8.3°C, S.H 5°C

YW/YSW Series

R407C

Capacity

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW75T2-102	Heating Capacity (W)	70					8420	9656	10955	12385
		65				7924	8352	9733	11131	12684
		55		6194	6752	7610	8776	9929	11580	13281
		50	5455	5943	6660	7740	8951	10334	11834	13581
		45	5353	5802	6641	7897	9121	10477	12067	13869
		35	5439	6101	6957	8200	9498	10883	12581	14355
		25	4775	5427	6810	8504	9905	11271	12094	9633
	Power (W)	70					3489	3570	3756	3903
		65				3049	3139	3209	3376	3509
		55		2375	2472	2547	2661	2740	2865	2998
		50	2071	2162	2242	2391	2494	2562	2674	2820
		45	1898	1971	2120	2253	2313	2343	2469	2621
		35	1628	1743	1858	1973	1999	2054	2199	2345
		25	1361	1487	1613	1738	1789	1838	1896	1323
YW110T2-100	Heating Capacity (W)	70					12364	14184	16097	18203
		65				11638	12267	14302	16361	18649
		55		9097	9918	11182	12899	14734	17030	19536
		50	8012	8731	9787	11377	13160	15197	17407	19980
		45	7864	8525	9760	11610	13412	15411	17753	20408
		35	7996	8969	10230	12061	13973	16014	18515	21128
		25	7021	7980	10016	12512	14575	16589	17801	14181
	Power (W)	70					4955	5069	5333	5543
		65				4330	4457	4557	4794	4984
		55		3373	3510	3617	3779	3927	4068	4258
		50	2941	3070	3184	3396	3542	3638	3797	4005
		45	2696	2799	3011	3199	3284	3328	3506	3722
		35	2312	2475	2638	2802	2839	2917	3123	3330
		25	1933	2111	2290	2469	2541	2610	2693	1879
YW75T1-100	Heating Capacity (W)	70					8319	9552	10847	12273
		65				7835	8260	9640	11033	12583
		55		6125	6680	7536	8699	9942	11498	13195
		50	5395	5880	6595	7671	8879	10261	11758	13500
		45	5298	5745	6580	7832	9054	10410	11996	13795
		35	5392	6051	6904	8144	9441	10825	12519	14290
		25	4736	5385	6764	8455	9854	11219	12041	9596
	Power (W)	70					3354	3432	3610	3752
		65				2931	3017	3085	3245	3374
		55		2283	2376	2448	2558	2658	2754	2882
		50	1991	2078	2156	2299	2398	2463	2571	2711
		45	1825	1895	2038	2166	2223	2253	2373	2520
		35	1565	1676	1786	1897	1922	1975	2114	2254
		25	1308	1429	1550	1671	1720	1767	1823	1272

Remarks: Subcooling 8.3°C, S.H 11.1°C
 Transition Area

YW/YSW Series

Capacity

R407C

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW110T1-100	Heating Capacity (W)	70					12287	14105	16014	18117
		65				11571	12198	14232	16286	18572
		55		9045	9863	11126	12841	14673	16967	19470
		50	7966	8683	9737	11324	13104	15141	17348	19917
		45	7822	8482	9713	11560	13361	15359	17698	20350
		35	7960	8931	10189	12017	13929	15969	18466	21077
		25	6990	7947	9981	12474	14536	16548	17760	14152
	Power (W)	70					4878	4991	5250	5456
		65				4262	4388	4487	4720	4906
		55		3320	3455	3561	3720	3866	4005	4192
		50	2895	3022	3135	3343	3487	3582	3738	3943
		45	2654	2756	2964	3150	3233	3276	3451	3664
		35	2276	2437	2597	2758	2795	2872	3075	3278
		25	1902	2078	2254	2430	2501	2570	2651	1849
YW135T1-100	Heating Capacity (W)	70					14694	16884	19178	21708
		65				13846	14599	17048	19519	22269
		55		10824	11807	13326	15390	17594	20357	23369
		50	9534	10394	11663	13570	15713	18166	20822	23914
		45	9366	10158	11638	13859	16029	18436	21251	24443
		35	9540	10707	12220	14420	16723	19180	22186	25327
		25	8381	9530	11977	14978	17462	19885	21344	17014
	Power (W)	70					5764	5897	6204	6448
		65				5037	5185	5302	5577	5798
		55		3924	4083	4208	4396	4568	4733	4953
		50	3421	3571	3705	3951	4120	4233	4418	4660
		45	3136	3256	3503	3722	3821	3872	4078	4330
		35	2689	2879	3069	3259	3302	3393	3633	3874
		25	2248	2456	2664	2872	2956	3037	3132	2186
YW160T1-100	Heating Capacity (W)	70					17198	19761	22446	25407
		65				16205	17086	19953	22845	26063
		55		12668	13819	15597	18011	20592	23825	27350
		50	11158	12165	13649	15882	18390	21260	24370	27989
		45	10962	11889	13621	16220	18759	21577	24872	28607
		35	11166	12531	14301	16876	19572	22448	25965	29643
		25	9809	11153	14017	17530	20437	23273	24980	19913
	Power (W)	70					6746	6902	7261	7546
		65				5895	6069	6205	6527	6785
		55		4592	4779	4925	5145	5347	5539	5797
		50	4004	4180	4336	4624	4822	4954	5170	5453
		45	3670	3811	4100	4356	4472	4531	4773	5068
		35	3148	3370	3592	3815	3865	3972	4252	4534
		25	2631	2875	3118	3361	3459	3554	3666	2558

Remarks: Subcooling 8.3°C, S.H 11.1°C

Transition Area

YW/YSW Series

R407C

Capacity

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW185T1-100	Heating Capacity (W)	70					20850	23473	26491	29947
		65				18543	20962	23747	26932	30580
		55		14237	16307	18668	21368	24107	27973	31974
		50	12209	14142	16328	18814	21648	24877	28549	32711
		45	12087	14117	16408	19010	21968	25331	29145	33459
		35	12031	14225	16700	19503	22680	26280	6836	34939
		25	12146	14466	17085	20049	23407	27205	31492	36315
	Power (W)	70					8676	8679	8686	8707
		65				7751	7754	7760	7768	7802
		55		6152	6186	6203	6214	6230	6262	6320
		50	5416	5489	5533	5561	5583	5609	5650	5717
		45	4829	4910	4964	5001	5031	5065	5114	5189
		35	3863	3959	4026	4076	4118	4163	4223	4307
		25	3092	3196	3270	3326	3373	3423	3487	3575
YW205T1-100	Heating Capacity (W)	70					21934	25020	28460	32226
		65				19756	22406	25436	28846	32715
		55		15059	17362	19967	22872	26173	29918	34159
		50	13067	15079	17431	20124	23156	26603	30511	34934
		45	13149	15145	17521	20317	23473	27062	31132	35735
		35	13172	15246	17780	20774	24171	28039	32425	37379
		25	13345	15449	18093	21276	24904	29039	33729	39026
	Power (W)	70					9113	9359	9560	9863
		65				8816	8848	8861	8857	9064
		55		6927	6969	6993	6999	7024	7083	7325
		50	6024	6110	6177	6225	6252	6301	6385	6644
		45	5329	5426	5505	5566	5609	5678	5785	6058
		35	4215	4323	4414	4486	4552	4649	4789	5082
		25	3318	3424	3512	3581	3654	3762	3920	4220
YW245T1-100	Heating Capacity (W)	70					25723	29365	33428	37873
		65				23154	26286	29868	33900	38469
		55		17644	20367	23445	26879	30782	35207	40216
		50	15310	17686	20466	23648	27232	31306	35925	41148
		45	15423	17780	20587	23891	27622	31864	36673	42108
		35	15476	17926	20919	24457	28472	33042	38224	44075
		25	15701	18186	21310	25072	29358	34245	39786	46041
	Power (W)	70					10563	10848	11080	11432
		65				10218	10255	10271	10265	10506
		55		8029	8078	8106	8112	8141	8209	8490
		50	6983	7081	7159	7215	7246	7303	7401	7701
		45	6177	6289	6381	6451	6502	6581	6706	7022
		35	4885	5011	5116	5199	5276	5389	5551	5891
		25	3846	3969	4070	4151	4235	4360	4544	4891

Remarks: Subcooling 8.3°C, S.H 11.1°C
 Transition Area

YW/YSW Series

Capacity

R407C

Classic Series

Model	C.T. (°C)	E.T. (°C)							
		-20	-15	-10	-5	0	5	10	15
YW285T1-100	Heating Capacity (W)	70				29466	33652	38322	43431
		65			26516	30117	34237	38874	44127
		55		20203	23334	26874	30824	35312	40402
		50	17530	20262	23458	27118	31240	35925	41237
		45	17669	20379	23607	27406	31696	36574	42105
		35	17745	20561	24003	28071	32688	37944	43902
		25	18015	20873	24464	28790	33720	39339	45710
	Power (W)	70				12028	12352	12617	13017
		65			11635	11677	11695	11689	11963
		55		9143	9198	9230	9237	9271	9348
		50	7951	8064	8152	8216	8251	8316	8427
		45	7033	7162	7266	7346	7403	7494	7636
		35	5563	5706	5825	5920	6008	6136	6321
		25	4379	4519	4635	4726	4823	4965	5174
YW320T1-100	Heating Capacity (W)	70				33314	38047	43326	49103
		65			29978	34050	38708	43951	49890
		55		22841	26381	30384	34850	39924	45678
		50	19819	22908	26522	30659	35319	40617	46621
		45	19977	23041	26690	30985	35835	41350	47604
		35	20062	23246	27138	31737	36957	42898	49635
		25	20367	23598	27659	32550	38123	44476	51679
	Power (W)	70				13598	13965	14264	14717
		65			13155	13202	13223	13216	13525
		55		10337	10399	10435	10443	10481	10568
		50	8990	9117	9216	9289	9329	9402	9528
		45	7952	8097	8215	8305	8370	8472	8633
		35	6289	6451	6586	6694	6793	6937	7146
		25	4951	5109	5240	5344	5452	5614	5850

Remarks: Subcooling 8.3°C, S.H 11.1°C

Transition Area

YW/YSW Series

Capacity

R407C

Classic Series

Model	C.T. (°C)	E.T. (°C)							
		-20	-15	-10	-5	0	5	10	15
YSW340T1G-100	Heating Capacity (W)	65	19620	22968	26913	32329	36485	41238	46582
		55	19635	24675	28291	32377	36931	42109	47986
		50	21413	24579	28276	32504	37260	42670	48809
		45	21434	24577	28313	32704	37657	43294	49690
		35	21298	24565	28550	33254	38588	44665	51561
	Power (W)	25	21429	24744	28901	33901	39597	46095	53471
		65	11309	12288	12806	14590	14619	14665	14658
		55	9802	11465	11534	11574	11583	11625	11721
		50	9970	10111	10222	10302	10347	10427	10568
		45	8819	8981	9111	9212	9283	9397	9575

Remarks: Subcooling 8.3°C, S.H 11.1°C

Transition Area

YW/YSW Series

Capacity

R407C

Classic Series

Model	C.T. (°C)	E.T. (°C)								
		-20	-15	-10	-5	0	5	10	15	
YW400T1-100	Heating Capacity (W)	70					40457	46220	53255	61678
		65				36145	41283	47580	55155	64121
		55		28329	32408	37424	43492	50729	59250	69172
		50	24746	28393	32864	38275	44743	52383	61312	71645
		45	24606	28596	33415	39178	46002	54002	63295	73996
		35	24609	29155	34538	40873	48277	56865	66754	
		25	24544	29471	35242	41974	49782			
	Power (W)	70					18000	18027	18141	18336
		65				16002	16025	16120	16281	16500
		55		12671	12723	12818	12950	13111	13293	13490
		50	11242	11328	11443	11580	11732	11890	12048	12198
		45	10043	10191	10345	10500	10647	10779	10889	10969
		35	8092	8292	8455	8575	8643	8652	8595	
		25	6343	6501	6579	6569	6463			
YW450T1-100	Heating Capacity (W)	70					43664	49883	57476	66567
		65				39010	44555	51352	59526	69204
		55		30575	34977	40391	46940	54750	63947	74655
		50	26708	30643	35469	41309	48290	56536	66172	77324
		45	26556	30863	36064	42284	49648	58283	68312	79861
		35	26559	31466	37275	44113	52103	61372	72045	
		25	26490	31807	38036	45301	53729			
	Power (W)	70					19427	19456	19580	19790
		65				17271	17295	17398	17572	17808
		55		13675	13731	13834	13977	14150	14347	14559
		50	12134	12227	12351	12498	12662	12832	13003	13165
		45	10839	10999	11166	11332	11491	11634	11752	11839
		35	8733	8949	9126	9254	9328	9337	9276	
		25	6846	7017	7101	7090	6976			
YW650T1-100	Heating Capacity (W)	70					61627	70404	81121	93952
		65				55059	62884	72477	84015	97673
		55		43152	49366	57007	66250	77273	90253	105366
		50	37695	43249	50060	58303	68155	79793	93394	109134
		45	37481	43559	50899	59678	70073	82259	96414	112714
		35	37485	44410	52610	62260	73538	86620	101683	
		25	37387	44892	53683	63937	75831			
	Power (W)	70					27826	27868	28045	28346
		65				24738	24773	24920	25169	25507
		55		19588	19668	19816	20019	20268	20550	20855
		50	17380	17513	17691	17902	18136	18381	18625	18857
		45	15525	15754	15993	16232	16459	16663	16833	16958
		35	12509	12819	13071	13256	13361	13375	13287	
		25	9806	10051	10171	10155	9992			

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R407C

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YW75T2-V102	Heating Capacity (W)	70	5425	6226	6915	7697	8353	9245	8420	9656	10955	12385
		65	5401	6186	6885	7743	8092	9088	9627	11203	12663	12684
		55	5343	6010	6636	7324	7769	8691	9943	11083	12715	14393
		50	5269	5876	6453	6938	7608	8787	10016	11366	12800	14499
		45	5346	5811	6265	6644	7572	8880	10073	11366	12891	14641
		35	5046	5658	6329	6986	7795	8996	10229	11552	13228	14982
		25	4995	5622	5444	6024	7404	9091	10463	11834	12691	10108
	Power (W)	70	2532	2800	3063	3381	3506	3662	3489	3570	3756	3903
		65	2396	2623	2846	3346	3223	3384	3496	3522	3657	3509
		55	2176	2301	2467	2703	2719	2797	2891	2949	3052	3161
		50	2058	2138	2257	2400	2453	2592	2685	2739	2830	2956
		45	1876	1953	2050	2140	2284	2417	2473	2492	2599	2732
		35	1451	1573	1706	1830	1962	2094	2126	2174	2294	2411
		25	1206	1273	1379	1536	1696	1850	1908	1939	1946	1324
YW110T2-V100	Heating Capacity (W)	70	7978	9164	10181	11334	12312	13642	12364	14184	16097	18203
		65	7951	9116	10150	11406	11939	13357	14151	16475	18626	18649
		55	7880	8874	9803	10765	11422	12779	14623	16455	18705	21178
		50	7776	8684	9494	10201	11188	12925	14732	16721	18833	21335
		45	7905	8599	9217	9770	11138	13063	14818	16722	18968	21545
		35	7484	8396	9317	10282	11470	13235	15050	16999	19469	22052
		25	7425	8363	8016	8864	10893	13375	15396	17417	18683	14884
	Power (W)	70	3629	4014	4390	4845	5025	5248	4955	5069	5333	5543
		65	3434	3760	4079	4796	4619	4806	4964	5002	5193	4984
		55	3119	3298	3536	3839	3861	3972	4105	4227	4334	4489
		50	2950	3064	3205	3409	3483	3680	3813	3889	4019	4198
		45	2688	2800	2911	3039	3243	3432	3512	3539	3691	3880
		35	2080	2255	2422	2598	2786	2974	3019	3087	3257	3424
		25	1728	1824	1958	2181	2409	2628	2710	2753	2764	1880
YW152T2-V100	Heating Capacity (W)	70							9780	12032	14208	16712
		65	5963	7069	8013	8726	9662	11287	19063	22241	25197	25798
		55	11091	12624	13984	15857	16448	18354	20834	23144	26241	29006
		50	10738	12035	13251	14341	15575	17763	20161	22855	25621	28906
		45	11017	11945	12811	13657	15298	17865	20262	22847	25792	29194
		35	10897	12025	13177	14397	16004	18349	20797	23319	26566	30022
		25	10432	11789	11387	12459	15099	18350	20972	23679	25573	21959
	Power (W)	70							6937	7097	7467	7760
		65	4808	5264	5711	6714	6467	6728	6950	7003	7271	6977
		55	4367	4617	4950	5374	5406	5560	5747	5918	6067	6284
		50	4130	4290	4487	4772	4877	5152	5338	5445	5626	5877
		45	3764	3920	4076	4255	4541	4805	4916	4955	5167	5433
		35	2912	3157	3391	3637	3900	4164	4227	4322	4560	4794
		25	2419	2553	2742	3054	3372	3679	3794	3854	3870	2632

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

Transition Area EVI off Area

YW/YSW Series

R407C

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YW75T1-V100	Heating Capacity (W)	70	5388	6188	6875	7653	8313	9210	8319	9552	10847	12273
		65	5369	6155	6853	7702	8060	8991	9528	11103	12560	12583
		55	5320	5991	6618	7247	7692	8612	9861	11102	12628	14304
		50	5250	5862	6391	6870	7539	8714	9940	11289	12720	14416
		45	5336	5804	6208	6583	7508	8812	10003	11296	12818	14564
		35	5050	5665	6283	6935	7741	8937	10169	11491	13164	14914
		25	5009	5642	5407	5981	7356	9038	10409	11779	12637	10072
	Power (W)	70	2457	2717	2972	3280	3402	3553	3354	3432	3610	3752
		65	2325	2545	2762	3247	3127	3253	3361	3386	3516	3374
		55	2112	2232	2394	2599	2614	2689	2779	2861	2934	3039
		50	1997	2074	2170	2308	2358	2491	2581	2633	2720	2842
		45	1820	1895	1971	2058	2196	2323	2377	2396	2498	2627
		35	1408	1527	1640	1759	1886	2013	2044	2090	2205	2318
		25	1170	1235	1326	1477	1631	1779	1835	1864	1871	1273
YW110T1-V100	Heating Capacity (W)	70	7922	9101	10112	11259	12234	13560	12287	14105	16014	18117
		65	7898	9057	10087	11332	11867	13282	14073	16397	18545	18572
		55	7831	8823	9748	10706	11362	12718	14560	16389	18637	21108
		50	7730	8637	9444	10148	11134	12867	14673	16660	18770	21270
		45	7864	8556	9172	9723	11088	13009	14763	16667	18911	21485
		35	7452	8361	9279	10241	11427	13189	15003	16951	19418	21999
		25	7398	8334	7985	8830	10855	13334	15354	17374	18640	14855
	Power (W)	70	3573	3951	4322	4770	4947	5167	4878	4991	5250	5456
		65	3381	3701	4016	4721	4547	4731	4887	4924	5113	4906
		55	3071	3246	3481	3779	3801	3910	4041	4161	4266	4419
		50	2904	3017	3155	3356	3429	3623	3753	3829	3956	4132
		45	2646	2756	2866	2992	3193	3379	3457	3484	3633	3820
		35	2048	2220	2384	2558	2742	2928	2972	3039	3207	3371
		25	1701	1796	1928	2147	2371	2587	2668	2710	2721	1851
YW135T1-V100	Heating Capacity (W)	70	9464	10877	12087	13458	14629	16223	14694	16884	19178	21708
		65	9440	10829	12063	13547	14196	15897	16848	19648	22232	22269
		55	9367	10558	11668	12815	13606	15237	17454	19656	22364	25338
		50	9249	10339	11309	12498	13339	15424	17597	19991	22531	25540
		45	9416	10248	10987	12214	13289	15601	17713	20008	22708	25807
		35	8934	10025	11128	12284	13709	15828	18014	20361	23330	26437
		25	8877	10003	10835	12120	13029	16011	18444	20878	22403	17862
	Power (W)	70	4222	4669	5107	5637	5846	6106	5764	5897	6204	6448
		65	3995	4374	4746	5579	5374	5591	5775	5819	6042	5798
		55	3629	3836	4113	4466	4492	4620	4776	4917	5041	5222
		50	3432	3565	3729	3966	4052	4281	4436	4525	4675	4883
		45	3127	3257	3387	3536	3773	3993	4085	4117	4293	4514
		35	2420	2624	2818	3023	3241	3460	3513	3592	3789	3984
		25	2010	2122	2278	2537	2802	3057	3153	3203	3216	2187

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

Transition Area EVI off Area

YW/YSW Series

R407C

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YW160T1-V100	Heating Capacity (W)	70	11076	12730	14146	15751	17122	18987	17198	19761	22446	25407
		65	11048	12675	14118	15855	16615	18606	19718	22995	26020	26063
		55	10962	12356	13656	14998	15924	17833	20428	23005	26174	29655
		50	10825	12100	13235	14224	15612	18052	20596	23397	26370	29891
		45	11020	11994	12859	13634	15553	18259	20731	23416	26577	30204
		35	10456	11733	13024	14377	16045	18524	21083	23830	27305	30941
		25	10389	11708	11212	12398	15248	18739	21586	24435	26220	20905
	Power (W)	70	4942	5465	5978	6597	6842	7146	6746	6902	7261	7546
		65	4676	5119	5554	6530	6289	6543	6759	6810	7071	6785
		55	4247	4490	4814	5227	5257	5408	5590	5755	5900	6112
		50	4017	4172	4364	4641	4743	5011	5191	5295	5471	5715
		45	3660	3812	3964	4138	4416	4673	4781	4819	5025	5283
		35	2832	3071	3298	3538	3793	4049	4111	4203	4435	4662
		25	2353	2483	2667	2970	3280	3578	3690	3748	3764	2560
YW185T1-V100	Heating Capacity (W)	70	12969	14905	16564	18442	20047	22231	20137	23137	26282	29748
		65	12936	14840	16531	18565	19454	21785	23088	26925	30467	30517
		55	12836	14468	15990	17561	18645	20880	23918	26936	30647	34722
		50	12674	14168	15497	17127	18279	21137	24115	27395	30876	34999
		45	12903	14043	15057	16738	18211	21379	24274	27418	31119	35365
		35	12242	13738	15250	16833	18786	21690	24685	27902	31971	36229
		25	12165	13708	14848	16609	17854	21941	25275	28611	30700	24477
	Power (W)	70	5786	6398	6999	7725	8012	8367	7899	8082	8502	8836
		65	5475	5994	6503	7646	7364	7662	7914	7974	8279	7945
		55	4973	5257	5637	6120	6155	6332	6545	6739	6909	7156
		50	4703	4885	5110	5434	5553	5867	6078	6200	6406	6692
		45	4286	4463	4641	4845	5171	5472	5598	5642	5884	6186
		35	3316	3595	3861	4142	4441	4741	4813	4922	5193	5459
		25	2755	2908	3122	3477	3840	4189	4320	4389	4407	2998
YW205T1-V100	Heating Capacity (W)	70	10477	12132	14035	16521	18818	21758	22299	25448	28959	32802
		65	10638	12265	14053	16984	19057	22962	26246	29759	33405	37568
		55	10731	12288	14291	18018	20274	23188	26380	29769	33480	37738
		50	11368	12758	15560	17850	20242	23261	26402	29822	33646	38030
		45	12125	13269	15565	17624	20349	23286	26427	29929	33912	38467
		35	12485	13594	15565	17789	20329	23247	26541	30345	34773	39802
		25	13317	14158	15594	17563	20086	23189	26813	31089	36141	41842
	Power (W)	70	6301	6968	7622	8412	8725	9112	9113	9359	9560	9863
		65	5962	6527	7082	8326	8019	9786	9854	9726	9594	9693
		55	5416	5725	6138	7884	7666	7679	7603	7561	7544	7723
		50	5121	5320	6567	6784	6757	6746	6730	6735	6757	6963
		45	4667	4861	5755	5892	5930	5971	5998	6038	6090	6315
		35	3611	3915	4416	4538	4660	4762	4842	4921	4995	5226
		25	3000	3166	3363	3537	3694	3811	3898	3968	4025	4224

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

Transition Area

EVI off Area

YW/YSW Series

R407C

Capacity

Classic Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YW245T1-V100	Heating Capacity (W)	70	12387	14342	16593	19531	22248	25723	26152	29869	34015	38551
		65	12576	14500	16614	20079	22530	26920	30801	34957	39271	44190
		55	12687	14528	16896	21118	23791	27235	31011	35019	39407	44437
		50	13440	15083	18244	20946	23775	27343	31058	35101	39622	44799
		45	14335	15687	18268	20699	23921	27391	31104	35243	39951	45331
		35	14760	16072	18299	20926	23925	27373	31265	35761	40995	46934
		25	15743	16738	18358	20682	23661	27326	31609	36662	42634	49369
	Power (W)	70	7449	8238	9011	9945	10315	10772	10563	10848	11080	11432
		65	7048	7717	8373	9844	9481	11342	11421	11273	11120	11235
		55	6403	6768	7257	9138	8886	8901	8812	8764	8744	8951
		50	6055	6289	7611	7863	7831	7819	7800	7806	7832	8070
		45	5518	5747	6671	6829	6873	6921	6952	6998	7059	7320
		35	4269	4629	5118	5260	5402	5519	5612	5703	5789	6057
		25	3547	3744	3897	4100	4281	4418	4518	4599	4665	4896
YW285T1-V100	Heating Capacity (W)	70	14247	16497	19085	22465	25589	29587	29959	34230	38997	44210
		65	14465	16678	19109	23095	25914	30833	35296	40078	45041	50698
		55	14592	16710	19433	24185	27263	31224	35568	40178	45225	51008
		50	15459	17348	20897	24001	27256	31360	35633	40284	45483	51435
		45	16488	18043	20935	23730	27434	31426	35696	40456	45870	52055
		35	16977	18486	20989	24008	27457	31421	35897	41067	47085	53914
		25	18108	19252	21070	23741	27165	31380	36304	42116	48984	56728
	Power (W)	70	8568	9475	10364	11439	11864	12390	12028	12352	12617	13017
		65	8107	8876	9630	11322	10905	12915	13006	12836	12662	12793
		55	7364	7785	8347	10406	10118	10135	10034	9979	9957	10193
		50	6964	7234	8667	8954	8917	8904	8882	8889	8919	9189
		45	6346	6610	7596	7777	7826	7881	7916	7969	8038	8335
		35	4910	5324	5828	5990	6151	6284	6390	6494	6592	6898
		25	4080	4306	4438	4669	4875	5030	5144	5237	5312	5575
YW320T1-V100	Heating Capacity (W)	70	16107	18651	21577	25399	28931	33450	33976	38808	44199	50097
		65	16354	18855	21605	26111	29298	35008	40056	45472	51081	57480
		55	16498	18892	21971	27468	30949	35421	40332	45538	51239	57777
		50	17477	19614	23763	27251	30923	35565	40389	45639	51513	58243
		45	18641	20400	23786	26930	31120	35626	40444	45819	51938	58932
		35	19194	20900	23828	27235	31122	35593	40645	46487	53295	61021
		25	20473	21766	23900	26907	30766	35523	41087	47660	55434	64201
	Power (W)	70	9687	10712	11718	12932	13413	14008	13081	13435	13722	14156
		65	9166	10035	10888	12801	12329	14047	14145	13961	13772	13913
		55	8326	8801	9437	11318	11005	11023	10914	10853	10829	11085
		50	7874	8178	9426	9738	9699	9684	9661	9668	9700	9994
		45	7175	7473	8262	8458	8512	8571	8609	8667	8743	9064
		35	5551	6020	6339	6515	6690	6835	6950	7063	7169	7501
		25	4613	4868	4827	5078	5302	5471	5595	5695	5777	6062

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

Transition Area EVI off Area

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW38J2-102	Heating Capacity (w)	85					4380	4973	5676	6457	7328
		80			3310	3835	4416	5063	5785	6594	7498
		75	2460	2895	3372	3902	4495	5160	5908	6750	7694
		70	2514	2946	3427	3968	4578	5268	6048	6929	7920
		65	2553	2987	3478	4036	4670	5391	6209	7135	8178
		60	2579	3023	3529	4110	4774	5532	6395	7372	8474
		55	2597	3055	3584	4193	4894	5695	6608	7643	8809
		50	2609	3089	3646	4290	5033	5884	6853	7952	9189
		45	2620	3127	3718	4404	5195	6102	7134	8302	9616
		40	2634	3173	3805	4539	5384	6352	7453	8697	
		35	2653	3232	3910	4697	5603	6639	7815		
	30	2681	3306	4036	4883	5857	6966				
	Power (w)	85					2217	2224	2286	2370	2485
		80			1866	1919	1969	2025	2096	2191	2317
		75	1520	1605	1672	1728	1784	1847	1925	2028	2164
		70	1348	1433	1501	1560	1619	1686	1770	1880	2024
		65	1201	1284	1351	1411	1472	1542	1630	1744	1894
		60	1076	1156	1221	1280	1341	1412	1502	1620	1773
		55	973	1048	1109	1165	1223	1294	1384	1503	1660
		50	889	957	1013	1063	1119	1186	1275	1394	1551
		45	823	882	930	974	1024	1087	1173	1289	1445
40		772	821	859	895	937	995	1075	1188		
YW55J2-102	Heating Capacity (w)	35	734	771	798	824	857	907	980		
		30	708	731	745	759	782	821			
		85					5864	6725	7681	8743	9926
		80			4469	5183	5973	6851	7833	8932	10161
		75	3318	3909	4558	5278	6083	6987	8004	9147	10431
		70	3396	3982	4635	5370	6200	7138	8198	9394	10741
		65	3451	4041	4708	5465	6327	7308	8420	9678	11095
		60	3490	4092	4780	5569	6472	7502	8675	10002	11499
		55	3516	4138	4856	5685	6637	7727	8968	10374	11958
		50	3534	4185	4942	5819	6829	7986	9304	10796	12477
		45	3551	4239	5043	5976	7052	8284	9687	11275	13060
	40	3570	4303	5162	6160	7310	8627	10124	11814		
	35	3596	4384	5306	6377	7610	9019	10618			
	30	3635	4485	5479	6632	7956	9466				
	Power (w)	85					2919	2984	3067	3180	3334
		80			2504	2574	2642	2717	2813	2939	3109
		75	2040	2154	2243	2319	2393	2478	2583	2721	2903
		70	1809	1923	2013	2093	2172	2262	2375	2522	2715
		65	1611	1723	1813	1893	1975	2069	2187	2341	2541
		60	1444	1551	1639	1717	1799	1894	2015	2173	2379
		55	1306	1406	1488	1563	1641	1736	1857	2017	2227
		50	1193	1285	1359	1427	1501	1592	1711	1870	2081
		45	1104	1184	1248	1307	1374	1459	1574	1730	1939
		40	1035	1101	1152	1201	1258	1334	1443	1594	
		35	985	1034	1070	1105	1150	1216	1315		
		30	950	980	999	1018	1049	1102			

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)										
		-15	-10	-5	0	5	10	15	20	25		
YW80J2-100	Heating Capacity (W)	85					8316	9546	10909	12424	14112	
		80			6333	7351	8478	9731	11132	12699	14452	
		75	4698	5540	6464	7491	8640	9930	11381	13011	14841	
		70	4814	5649	6580	7628	8811	10150	11662	13368	15287	
		65	4897	5738	6688	7769	8998	10397	11983	13777	15797	
		60	4955	5813	6795	7920	9208	10679	12351	14244	16378	
		55	4996	5882	6907	8089	9448	11002	12773	14778	17037	
		50	5025	5953	7032	8283	9724	11375	13255	15384	17781	
		45	5050	6031	7178	8509	10045	11804	13806	16071	18617	
		40	5078	6125	7351	8775	10417	12297	14433	16845		
		35	5117	6241	7558	9087	10848	12860	15142			
		30	5173	6387	7807	9453	11344	13500			4694	
	Power (W)		85					4109	4201	4318	4477	4377
			80			3525	3624	3719	3826	3960	4138	4088
			75	2872	3032	3158	3265	3370	3488	3637	3831	3822
			70	2546	2707	2835	2946	3058	3185	3344	3551	3578
			65	2268	2425	2552	2665	2780	2912	3079	3295	3350
			60	2033	2184	2307	2418	2532	2666	2837	3059	3135
			55	1838	1980	2095	2200	2311	2444	2615	2840	2929
			50	1680	1808	1913	2009	2113	2241	2409	2633	2730
		45	1554	1666	1756	1840	1934	2054	2215	2435		
		40	1458	1550	1622	1690	1771	1879	2031	2243		
		35	1387	1456	1507	1556	1619	1712	1852			
		30	1337	1380	1407	1434	1476	1551				
YW38J1-100	Heating Capacity (W)	85					4337	4929	5631	6411	7280	
		80			3274	3798	4378	5023	5744	6551	7453	
		75	2430	2863	3340	3868	4460	5124	5870	6710	7652	
		70	2488	2918	3398	3937	4546	5235	6014	6892	7880	
		65	2529	2962	3452	4008	4641	5361	6177	7101	8141	
		60	2558	3000	3505	4085	4748	5504	6365	7340	8439	
		55	2578	3035	3562	4170	4870	5670	6581	7613	8777	
		50	2592	3070	3626	4269	5011	5861	6828	7924	9158	
		45	2604	3110	3700	4385	5175	6081	7111	8277	9587	
		40	2619	3157	3788	4521	5366	6333	7432	8674		
		35	2638	3217	3894	4681	5587	6622	7796			
		30	2667	3291	4022	4868	5841	6950				
	Power (W)		85					2174	2180	2241	2324	2436
			80			1826	1881	1930	1986	2055	2148	2272
			75	1491	1574	1639	1695	1749	1810	1888	1988	2122
			70	1322	1405	1471	1529	1587	1653	1736	1843	1984
			65	1177	1259	1325	1383	1443	1512	1598	1710	1857
			60	1055	1134	1197	1255	1314	1384	1472	1588	1739
			55	954	1028	1087	1142	1199	1268	1357	1474	1627
			50	872	939	993	1043	1097	1163	1250	1367	1520
		45	807	865	912	955	1004	1066	1150	1264	1417	
		40	757	805	842	877	919	975	1054	1164		
		35	720	756	782	808	840	889	961			
		30	694	716	730	744	766	805				

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW55J1-100	Heating Capacity (W)	85					5806	6667	7620	8681	9861
		80			4420	5133	5921	6798	7778	8874	10100
		75	3278	3867	4514	5232	6036	6938	7953	9094	10374
		70	3360	3944	4596	5329	6157	7093	8151	9345	10687
		65	3420	4007	4672	5428	6289	7267	8377	9632	11045
		60	3461	4061	4748	5535	6436	7465	8635	9960	11453
		55	3490	4110	4827	5654	6605	7693	8931	10334	11914
		50	3511	4160	4916	5791	6799	7955	9270	10759	12436
		45	3529	4216	5018	5950	7025	8256	9656	11241	13022
		40	3549	4282	5140	6136	7286	8601	10096	11783	
		35	3577	4364	5285	6355	7588	8996	10592		
	30	3616	4466	5460	6612	7936	9445				
	Power (W)	85					2862	2925	3007	3117	3268
		80			2455	2524	2590	2664	2758	2882	3048
		75	2000	2111	2199	2273	2346	2429	2532	2668	2846
		70	1773	1885	1974	2052	2129	2218	2329	2473	2662
		65	1579	1689	1777	1856	1936	2028	2144	2295	2491
		60	1416	1521	1607	1684	1763	1857	1975	2130	2333
		55	1280	1379	1459	1532	1609	1702	1821	1977	2183
		50	1170	1259	1332	1399	1471	1560	1677	1834	2040
		45	1082	1160	1223	1281	1347	1430	1543	1696	1901
40		1015	1079	1130	1177	1233	1308	1414	1562		
YW80J1-100	Heating Capacity (W)	85					8236	9464	10824	12336	14019
		80			6264	7280	8405	9656	11054	12618	14366
		75	4642	5480	6402	7427	8574	9862	11310	12936	14761
		70	4764	5596	6525	7570	8752	10087	11597	13299	15213
		65	4853	5690	6638	7716	8944	10340	11923	13712	15727
		60	4916	5770	6749	7872	9158	10626	12295	14184	16312
		55	4959	5843	6866	8046	9402	10954	12721	14722	16975
		50	4992	5917	6995	8244	9683	11331	13208	15332	17723
		45	5019	5998	7144	8473	10007	11764	13763	16023	18563
		40	5050	6095	7319	8742	10383	12260	14393	16801	
		35	5090	6213	7529	9057	10816	12826	15105		
	30	5147	6360	7779	9425	11315	13470				
	Power (W)	85					4029	4118	4233	4389	4602
		80			3456	3553	3646	3751	3882	4057	4291
		75	2816	2973	3096	3201	3304	3420	3565	3756	4007
		70	2496	2654	2779	2889	2998	3123	3279	3482	3748
		65	2223	2378	2502	2613	2725	2855	3018	3231	3508
		60	1993	2141	2262	2370	2482	2614	2781	2999	3284
		55	1802	1941	2054	2157	2266	2396	2563	2784	3073
		50	1647	1773	1875	1969	2071	2197	2362	2581	2872
		45	1524	1634	1722	1804	1896	2013	2172	2388	2676
40		1429	1520	1591	1657	1736	1842	1991	2200		
35	1360	1427	1478	1526	1587	1679	1815				
30	1311	1353	1379	1405	1447	1521					

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW100J1-100	Heating Capacity (W)	85					10069	11577	13247	15103	17168
		80			7654	8901	10282	11818	13534	15453	17598
		75	5669	6697	7829	9087	10494	12075	13852	15848	18087
		70	5823	6843	7983	9266	10716	12355	14208	16296	18645
		65	5935	6962	8125	9449	10955	12669	14611	16807	19280
		60	6015	7063	8265	9643	11222	13024	15072	17390	20001
		55	6071	7156	8411	9859	11524	13429	15598	18053	20818
		50	6113	7248	8571	10104	11871	13895	16199	18806	21740
		45	6148	7350	8756	10388	12272	14429	16883	19657	22774
		40	6186	7469	8973	10720	12735	15040	17659	20615	
		35	6237	7615	9232	11109	13269	15738	18536		
		30	6308	7797	9541	11562	13884	16530			
	Power (W)	85					4901	5010	5150	5339	5598
		80			4204	4322	4435	4563	4723	4936	5220
		75	3425	3616	3966	3894	4019	4160	4337	4569	4875
		70	3037	3228	3381	3514	3647	3799	3988	4235	4559
		65	2705	2893	3044	3179	3315	3473	3672	3930	4267
		60	2425	2605	2752	2884	3020	3180	3383	3649	3995
		55	2192	2361	2499	2624	2756	2915	3118	3387	3739
		50	2003	2157	2281	2396	2520	2672	2873	3140	3494
		45	1854	1987	2095	2195	2306	2449	2642	2905	3256
		40	1739	1849	1935	2016	2112	2241	2422	2676	
		35	1654	1737	1797	1856	1931	2042	2208		
		30	1595	1646	1678	1710	1761	1850			
YW120J1-100	Heating Capacity (W)	85					11885	13672	15651	17851	20297
		80			9028	10507	12143	13964	15997	18270	20811
		75	6683	7901	9241	10731	12399	14272	16378	18743	21395
		70	6870	8078	9428	10949	12667	14609	16804	19278	22060
		65	7008	8223	9601	11169	12955	14985	17287	19888	22817
		60	7106	8347	9770	11404	13274	15409	17836	20583	23676
		55	7175	8459	9946	11662	13636	15894	18463	21372	24648
		50	7226	8572	10139	11956	14050	16449	19179	22268	25743
		45	7270	8694	10360	12295	14528	17084	19993	23280	26973
		40	7317	8837	10619	12691	15079	17812	20916	24418	
		35	7378	9012	10928	13153	15715	18641	21959		
		30	7463	9229	11296	13693	16447	19584			
	Power (W)	85					5756	5883	6047	6270	6574
		80			4937	5076	5209	5358	5546	5796	6130
		75	4022	4247	4422	4573	4719	4885	5093	5366	5725
		70	3566	3791	3970	4127	4283	4461	4684	4974	5354
		65	3176	3397	3575	3733	3893	4079	4312	4615	5011
		60	2847	3059	3231	3386	3546	3735	3973	4285	4692
		55	2574	2773	2934	3081	3237	3423	3662	3977	4391
		50	2353	2533	2679	2813	2959	3138	3374	3688	4103
		45	2177	2334	2460	2577	2708	2876	3103	3411	3823
		40	2042	2171	2272	2368	2480	2631	2844	3142	
		35	1942	2039	2111	2179	2268	2398	2593		
		30	1873	1933	1970	2008	2067	2172			

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW132J1-100	Heating Capacity (W)	85					12717	14629	16747	19100	21718
		80			9660	11242	12992	14941	17117	19549	22267
		75	7151	8454	9888	11483	13267	15271	17524	20055	22892
		70	7351	8643	10088	11715	13553	15632	17980	20628	23604
		65	7498	8799	10273	11951	13861	16034	18497	21280	24414
		60	7603	8931	10454	12202	14203	16488	19085	22024	25333
		55	7677	9052	10642	12479	14590	17006	19756	22868	26373
		50	7732	9172	10849	12793	15034	17600	20521	23826	27545
		45	7779	9303	11085	13156	15545	18280	21392	24909	28861
		40	7829	9456	11363	13579	16135	19059	22380	26128	
		35	7894	9643	11693	14074	16816	19946	23946		
	30	7985	9875	12087	14652	17598	20955				
	Power (W)	85					6158	6295	6471	6709	7034
		80			5282	5431	5573	5733	5934	6202	6559
		75	4304	4544	4732	4893	5050	5227	5450	5741	6126
		70	3816	4056	4248	4415	4582	4773	5011	5322	5728
		65	3398	3635	3825	3994	4166	4364	4614	4938	5362
		60	3046	3273	3457	3623	3795	3996	4251	4584	5020
		55	2755	2967	3140	3297	3463	3662	3918	4256	4698
		50	2517	2710	2866	3010	3166	3358	3610	3946	4390
		45	2329	2497	2632	2758	2898	3077	3320	3650	4091
40		2185	2323	2431	2533	2653	2815	3044	3362		
YW180J1-100	Heating Capacity (W)	35	2078	2182	2259	2332	2427	2566	2775		
		30	2004	2068	2108	2148	2212	2324			
		85					17585	20228	23157	26410	30030
		80			14071	16278	17965	20660	23668	27031	30790
		75	9888	11689	13672	15877	18345	21116	24231	27730	31654
		70	10165	11952	13949	16199	18741	21615	24862	28523	32638
		65	10368	12166	14205	16525	19167	22170	25576	29425	33758
		60	10513	12349	14455	16872	19640	22799	26389	30453	35029
		55	10616	12516	14715	17255	20175	23515	27317	31621	36467
		50	10692	12682	15001	17689	20788	24336	28375	32946	38088
		45	107560	12863	15328	18191	21494	25277	29580	34443	39907
	40	10826	13075	15712	18777	22310	26353	30945	36128		
	35	10915	13333	16168	19461	23252	27581	32489			
	30	11041	13654	16713	20260	24333	28975				
	Power (W)	85					8516	8705	8947	9277	9726
		80			8017	8243	7706	7927	8206	8575	9069
		75	5951	6283	6543	6765	6982	7228	7536	7939	8470
		70	5276	5609	5874	6105	6336	6600	6930	7359	7921
		65	4699	5026	5289	5523	5760	6035	6380	6828	7414
		60	4212	4526	4781	5010	5247	5525	5878	6339	6941
55		3809	4102	4341	4559	4789	5064	5418	5884	6496	
50		3481	3747	3963	4163	4378	4643	4991	5456	6070	
45		3221	3453	3639	3813	4007	4255	4591	5047	5657	
40		3021	3212	3362	3503	3669	3893	4208	4649		
35	2874	3017	3123	3225	3355	3548	3837				
30	2772	2860	2915	2971	3059	3214					

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW200J1-100	Heating Capacity (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					
YW240J1-100	Heating Capacity (W)	85					22867	26305	30113	34344	39051
		80			18527	21403	23362	26866	30778	35151	40039
		75	12858	15200	17779	20647	23856	27460	31510	36060	41163
		70	13219	15542	18140	21065	24370	28108	32331	37091	42442
		65	13483	15821	18472	21489	24924	28830	33259	38265	43899
		60	13671	16059	18798	21940	25539	29647	34317	39601	45551
		55	13805	16276	19136	22438	26235	30579	35523	41120	47422
		50	13903	16491	19507	23003	27032	31647	36899	42843	49529
		45	13988	16727	19932	23656	27951	32870	38465	44789	51895
		40	14078	17003	20431	24417	29012	34270	40241	46980	
		35	14194	17339	21025	25307	30236	35866	42248		
	30	14358	17755	21734	26345	31643	37679				
	Power (W)	85					11074	11319	11635	12063	12648
		80			10655	10955	10021	10309	10671	11151	11794
		75	7739	8170	8509	8797	9080	9399	9800	10323	11015
		70	6861	7294	7639	7939	8240	8582	9011	9569	10300
		65	6111	6535	6878	7182	7491	7848	8296	8879	9641
		60	5478	5886	6217	6515	6823	7185	7644	8243	9026
		55	4953	5335	5645	5928	6227	6585	7046	7652	8447
		50	4526	4873	5154	5413	5693	6038	6491	7095	7894
		45	4188	4490	4733	4958	5211	5534	5970	6563	7356
40		3928	4177	4372	4555	4771	5062	5473	6045		
35	3737	3923	4061	4193	4363	4614	4990				
30	3604	3719	3791	3863	3978	4179					

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW265J1-105	Heating Capacity (W)	85					26331	30113	34476	39564	45520
		80				23789	27293	31287	35916	41324	47655
		75			21324	24590	28258	32471	37374	43110	49823
		70	16015	18918	21989	25373	29213	33653	38837	44908	52011
		65	16557	19476	22618	26126	30146	34819	40291	46705	54205
		60	17033	19975	23195	26836	31042	35957	41724	48488	56392
		55	17430	20404	23709	27489	31889	37053	43123	50244	58560
		50	17736	20748	24146	28073	32674	38094	44474	51960	60695
		45	17938	20995	24492	28574	33384	39066	45764	53622	62784
		40	18021	21131	24736	28979	34006	39958	46981	55218	
		35	17974	21144	24863	29276	34525	40756	48111		
		30	17782	21020	24861	29450	34930	41446			
	Power (W)	85					12136	12796	13450	14100	14748
		80				10741	11353	11955	12550	13138	13722
		75				10063	10624	11173	11711	12242	12767
		70	7783	8353	8902	9432	9946	10446	10934	11412	11883
		65	7314	7847	8358	8848	9320	9776	10218	10648	11069
		60	6877	7378	7855	8309	8744	9160	9561	9948	10323
		55	6469	6943	7391	7815	8216	8598	8962	9311	9646
		50	6091	6543	6966	7364	7737	8089	8421	8736	9036
		45	5741	6175	6579	6955	7305	7632	7937	8223	8492
		40	5418	5839	6229	6588	6920	7226	7508	7770	
		35	5122	5535	5914	6261	6579	6869	7134		
		30	4851	5260	5634	5974	6282	6562			

Remarks: Subcooling 10°C, S.H 5°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YSW265J1G-100	Heating Capacity (W)	80			22451	25781	27919	31966	36491	41558	47232
		75	15621	18354	21348	24667	28377	32543	37230	42504	48430
		70	15933	18645	21662	25048	28870	33192	38080	43599	49815
		65	16150	18878	21956	25448	29419	33936	39062	44865	51408
		60	16294	19076	22253	25888	30047	34796	40199	46323	53232
		55	16386	19261	22575	26391	30776	35795	41513	47996	55308
		50	16451	19456	22944	26980	31628	36956	43026	49906	57660
		45	16508	19682	23383	27676	32626	38300	44761	52076	60310
		40	16582	19962	23913	28502	33792	39849	46740	54528	
		35	16693	20318	24558	29480	35147	41627	48984		
	30	16866	20772	25339	30632	36715	43655				
	Power (W)	80			13430	13808	12632	12994	13450	14056	14866
		75	9755	10299	10725	11089	11445	11848	12352	13013	13884
		70	8648	9193	9628	10008	10386	10818	11358	12062	12983
		65	7702	8238	8669	9053	9442	9892	10457	11192	12152
		60	6905	7419	7836	8212	8601	9057	9635	10391	11378
		55	6243	6724	7116	7473	7849	8301	8881	9645	10648
		50	5706	6142	6497	6823	7176	7611	8182	8943	9950
		45	5279	5660	5966	6250	6568	6975	7525	8273	9272
		40	4951	5265	5511	5742	6014	6381	6898	7620	
		35	4710	4945	5119	5286	5500	5816	6289		
		30	4543	4688	4779	4869	5014	5268			

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW290J1-100	Heating Capacity (W)	85					30762	35052	40155	46220	53392
		80			24439	27734	31602	36190	41645	48114	55745
		75	19169	21850	24864	28356	32474	37367	43180	50062	58159
		70	19367	22145	25308	29004	33381	38584	44763	52064	60634
		65	19574	22454	25775	29681	34322	39844	46395	54122	63172
		60	19789	22779	26263	30388	35300	41147	48077	56237	65774
		55	20014	23121	26776	31125	36315	42495	49811	58411	68441
		50	20250	23481	27314	31894	37370	43889	51598	60644	71176
		45	20499	23861	27878	32697	38465	45330	53439	62939	73978
		40	20762	24262	28470	33534	39602	46820	55335	65296	76849
		35	21041	24685	29092	34408	40782	48359	57289		
		30	21336	25132	29744	35319	42006	49950			
	Power (W)	85					13546	14071	14619	15178	15735
		80			11663	12078	12538	13032	13546	14068	14585
		75	10199	10466	10800	11190	11623	12086	12566	13052	13530
		70	9459	9707	10020	10386	10791	11224	11672	12123	12563
		65	8791	9021	9314	9656	10035	10439	10856	11272	11675
		60	8187	8400	8673	8992	9346	9722	10108	10490	10857
		55	7638	7835	8089	8387	8716	9065	9420	9770	10101
		50	7137	7318	7553	7830	8136	8458	8784	9102	9399
		45	6673	6840	7058	7315	7598	7895	8192	8479	8742
		40	6240	6394	6595	6833	7093	7365	7636	7892	8122
		35	5829	5969	6155	6374	6614	6862	7106		
		30	5431	5559	5730	5932	6151	6376			
YW315J1-100	Heating Capacity (W)	85					33200	37830	43338	49883	57624
		80			26376	29932	34107	39058	44946	51928	60164
		75	20688	23582	26834	30603	35049	40329	46603	54030	62769
		70	20903	23901	27315	31304	36027	41643	48311	56191	65440
		65	21125	24234	27818	32034	37043	43003	50073	58412	68179
		60	21357	24585	28345	32796	38098	44409	51888	60695	70988
		55	21600	24954	28898	33592	39194	45864	53760	63041	73867
		50	21855	25343	29479	34422	40332	47368	55688	65451	76818
		45	22124	25753	30088	35289	41514	48923	57675	67928	79842
		40	22408	26185	30727	36193	42741	50531	59722	70472	
		35	22708	26642	31398	37136	44014	52193	61830		
		30	23027	27124	32101	38119	45335	53910			
	Power (W)	85					14620	15186	15778	16381	16982
		80			12587	13035	13532	14065	14619	15183	15741
		75	11007	11295	11657	12077	12544	13044	13562	14087	14603
		70	10208	10476	10815	11209	11647	12114	12598	13084	13559
		65	9488	9736	10052	10421	10831	11267	11716	12165	12600
		60	8836	9066	9360	9705	10087	10493	10909	11322	11718
		55	8244	8456	8730	9051	9407	9783	10167	10544	10902
		50	7702	7898	8152	8451	8781	9129	9481	9824	10144
		45	7202	7382	7618	7895	8200	8520	8842	9151	9435
		40	6735	6900	7118	7374	7656	7949	8241	8518	
		35	6291	6443	6643	6880	7138	7406	7669		
		30	5862	6000	6185	6402	6639	6882			

Remarks: Subcooling 8.3°C, S.H 11.1°C

YW/YSW Series

R134a

Capacity

High Temp. J Series

Model	C.T. (°C)	E.T. (°C)									
		-15	-10	-5	0	5	10	15	20	25	
YW390J1-100	Heating Capacity (W)	85					46794	54913	64404	75161	87081
		80				42089	48910	57320	67214	78487	91034
		75			38374	43656	50744	59533	69919	81796	95060
		70	34546	35920	39421	44946	52389	61646	72612	85181	99250
		65	34995	36475	40196	46052	53939	63752	75386	88737	103699
		60	35087	36763	40791	47067	55486	65943	78335	92555	108499
		55	34916	36875	41299	48084	57124	68314	81551	96730	113744
		50	34576	36906	41815	49196	58945	70958	85129	101353	119527
		45	34158	36949	42431	50497	61044	73967	89160	106520	125940
		40	33757	37097	43240	52080	63513	77434	93739	112321	
		35	33465	37442	44335	54038	66445	81453	98957		
		30	33376	38079	45810	56463	69934	86118			
	Power (W)	85					22312	22901	23552	24278	25094
		80				20218	20731	21286	21897	22578	23343
		75			18289	18755	19244	19769	20344	20983	21701
		70	16026	16485	16933	17383	17850	18348	18891	19492	20165
		65	14762	15220	15661	16099	16548	17023	17536	18102	18736
		60	13573	14034	14472	14901	15336	15791	16278	16813	17410
		55	12460	12927	13365	13789	14213	14651	15117	15624	16187
		50	11420	11896	12338	12761	13177	13602	14049	14532	15064
		45	10452	10941	11390	11814	12227	12642	13074	13536	14042
		40	9554	10059	10519	10949	11361	11770	12189	12634	
		35	8724	9250	9724	10162	10577	10983	11395		
		30	7962	8511	9003	9453	9875	10282			
YW470J1-100	Heating Capacity (W)	85					44127	52300	61754	72364	84005
		80				39227	46157	54598	64425	75513	87739
		75			35385	40817	47988	56776	67055	78702	91591
		70	31294	32876	36552	42198	49691	58905	69716	82000	95632
		65	31972	33637	37502	43443	51335	61054	72476	85477	99932
		60	32344	34172	38305	44619	52991	63295	75408	89204	104561
		55	32481	34550	39031	45798	54728	65697	78579	93251	109589
		50	32453	34843	39751	47050	56618	68330	82062	97688	115086
		45	32330	35121	40534	48445	58730	71265	85925	102586	121123
		40	32182	35453	41451	50053	61135	74572	90239	108013	
		35	32080	35909	42572	51945	63902	78320	95075		
		30	32093	36561	43968	54190	67102	82581			
	Power (W)	85					20641	21625	22617	23611	24599
		80				18283	19196	20119	21046	21969	22884
		75			16169	17016	17874	18738	19601	20457	21300
		70	13511	14275	15060	15858	16664	17471	18273	19063	19835
		65	12577	13304	14047	14799	15554	16306	17049	17776	18480
		60	11725	12416	13119	13827	14534	15233	15919	16584	17223
		55	10943	11601	12266	12932	13593	14241	14872	15478	16053
		50	10220	10847	11477	12103	12719	13319	13896	14445	14958
		45	9545	10143	10739	11328	11902	12455	12982	13475	13928
		40	8908	9479	10043	10596	11130	11639	12116	12556	
		35	8297	8842	9378	9896	10392	10859	11290		
		30	7700	8223	8731	9218	9678	10104			

Remarks: Subcooling 10°C, S.H 5°C

YW/YSW Series

R134a

Capacity

High Temp. J Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-20	-15	-10	-5	0	5	10	15	20	25	
YW55J2-V102	Heating Capacity (W)	80	3448	3770	4513	5228	6040	7023	8002	9099	8932	10161
		70	3593	4012	4625	5375	6175	7240	8292	9483	10821	12316
		60	3710	4185	4724	5476	6375	7350	8400	9605	10948	12436
		50	3669	4134	4790	5623	6523	7519	8644	9938	11376	12965
		40	3556	4094	4879	5748	6728	7811	9149	10560	12115	
		30	3441	4107	4962	5942	7038	8326	9755			
	Power (W)	80	2504	2536	2777	2844	2883	2997	3029	3081	2939	3109
		70	1909	2044	2153	2255	2323	2413	2476	2562	2681	2843
		60	1495	1689	1714	1809	1889	1955	2035	2140	2280	2468
		50	1212	1325	1405	1472	1536	1604	1684	1793	1941	2138
		40	1043	1106	1174	1230	1280	1334	1398	1494	1630	
		30	958	989	1033	1062	1085	1108	1140			
YW80J2-V100	Heating Capacity (W)	80	4771	5346	6397	7410	8569	9971	11368	12935	12699	14452
		70	4979	5689	6562	7632	8774	10293	11794	13495	15403	17535
		60	5157	5943	6714	7785	9068	10459	11958	13678	15592	17714
		50	5106	5879	6814	8003	9286	10708	12314	14161	16212	18477
		40	4950	5826	6946	8185	9585	11130	13041	15054	17274	
		30	4788	5846	7067	8466	10031	11872	13913			
	Power (W)	80	3450	3503	3839	4004	4059	4220	4264	4338	4138	4377
		70	2683	2877	3031	3175	3271	3397	3486	3607	3774	4002
		60	2100	2378	2414	2547	2660	2752	2864	3012	3211	3474
		50	1702	1865	1978	2073	2162	2258	2371	2524	2732	3010
		40	1463	1557	1653	1731	1803	1878	1968	2103	2295	
		30	1345	1393	1455	1495	1527	1560	1605			

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R134a

Capacity

High Temp. J Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-20	-15	-10	-5	0	5	10	15	20	25
YW38J1-V100	Heating Capacity (W)	80	2587	2751	3300	3830	4426	5148	5867	6673	7453
		70	2703	2939	3389	3940	4528	5310	6082	6957	7939
		60	2790	3068	3464	4016	4676	5392	6164	7048	8034
		50	2760	3032	3514	4126	4786	5518	6344	7295	8350
		40	2676	3004	3580	4218	4938	5733	6716	7752	8895
		30	2590	3013	3642	4361	5166	6113	7163		
	Power (W)	80	1876	1895	2073	2078	2107	2190	2213	2251	2148
		70	1398	1493	1573	1648	1697	1763	1809	1872	1959
		60	11095	1234	1253	1322	1380	1429	1487	1563	1666
		50	888	968	1027	1076	1122	1172	1231	1310	1418
		40	765	808	858	899	936	975	1022	1091	1191
		30	703	723	755	776	793	809	833		
YW55J1-V100	Heating Capacity (W)	80	3399	3720	4459	5172	5983	6964	7942	9039	8874
		70	3555	3972	4582	5331	6130	7193	8243	9433	10768
		60	3681	4152	4691	5440	6338	7311	8360	9563	10903
		50	3646	4108	4763	5595	6492	7487	8611	9903	11338
		40	3536	4073	4856	5723	6703	7784	9121	10530	12083
		30	3422	4087	4942	5921	7016	8305	9733		
	Power (W)	80	2455	2487	2723	2788	2826	2938	2970	3021	2882
		70	1872	2004	2111	2211	2277	2365	2427	2512	2628
		60	1466	1656	1681	1774	1852	1917	1995	2098	2236
		50	1188	1299	1378	1443	1506	1573	1651	1758	1903
		40	1022	1084	1151	1206	1255	1308	1371	1464	1598
		30	703	723	755	776	793	809	833		
YW80J1-V100	Heating Capacity (W)	80	4703	5277	6322	7331	8489	9888	11285	12850	12618
		70	4926	5633	6503	7570	8710	10226	11726	13424	15329
		60	5115	5897	6666	7735	9016	10405	11902	13618	15529
		50	5073	5842	6776	7962	9244	10664	12267	14111	16158
		40	4921	5796	6913	8151	9549	11094	13002	15013	17229
		30	4762	5819	7039	8437	10002	11841	13881		
	Power (W)	80	3382	3434	3764	3926	3979	4137	4181	4253	4057
		70	2631	2821	2972	3113	3206	3330	3417	3536	3700
		60	2059	2331	2366	2497	2607	2698	2808	2953	3148
		50	1669	1829	1939	2032	2120	2214	2325	2475	2679
		40	1435	1526	1621	1697	1767	1842	1930	2062	2250
		30	1318	1366	1426	1466	1497	1529	1573		

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R134a

Capacity

High Temp. J Series(With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-20	-15	-10	-5	0	5	10	15	20	25
YW100J1-V100	Heating Capacity (W)	80	5684	6450	7726	8960	10381	12098	13814	15736	17598
		70	5960	6886	7953	9263	10662	12523	14364	16450	21399
		60	6200	7216	8162	9473	11045	12751	14589	16696	21638
		50	6153	7156	8301	9758	11331	13074	15043	17307	22592
		40	5971	7102	8474	9994	11711	13607	15951	18420	21140
		30	5777	7133	8631	10348	12270	14529	17035		
	Power (W)	80	4075	4142	4542	4775	4841	5033	5086	5173	5220
		70	3198	3432	3616	3787	3901	4051	4157	4302	4773
		60	2502	2836	2879	3038	3172	3283	3416	3593	4143
		50	2027	2225	2359	2472	2579	2694	2828	3011	3259
		40	1743	1856	1972	2065	2150	2240	2348	2508	2737
		30	1602	1661	1735	1784	1821	1860	1914		
YW120J1-V100	Heating Capacity (W)	80	6650	7608	9114	10570	12256	14290	16324	18603	20811
		70	6981	8127	9390	10942	12600	14806	16988	19460	22325
		60	7275	8526	9646	11199	13063	15084	17263	19760	22539
		50	7226	8461	9818	11544	13409	15475	17809	20491	23468
		40	7014	8402	10028	11829	13864	16112	18891	21818	25041
		30	6786	8440	10216	12252	14531	17211	20182		
	Power (W)	80	4754	4836	5303	5608	5685	5910	5972	6075	6130
		70	3753	4030	4246	4447	4581	4757	4882	5052	5286
		60	2936	3330	3380	3567	3725	3855	4012	4219	4497
		50	2379	2612	2771	2903	3029	3163	3321	3535	3827
		40	2045	2180	2315	2425	2525	2631	2757	2945	3214
		30	1879	1951	2037	2094	2139	2184	2248		
YW132J1-V100	Heating Capacity (W)	80	7115	8141	9752	11310	13114	15290	17467	19905	22267
		70	7470	8696	10048	11708	13482	15842	18177	20822	23787
		60	7784	9122	10321	11983	13978	16140	18471	21143	24116
		50	7732	9053	10505	12352	14347	16558	19055	21925	25111
		40	7505	8990	10729	12657	14835	17240	20213	23345	26794
		30	7261	9031	10931	13109	15548	18415	21595		
	Power (W)	80	5087	5174	5675	6000	6083	6323	6390	6501	6559
		70	4016	4312	4543	4758	4901	5090	5224	5405	5656
		60	3142	3563	3617	3817	3986	4125	4292	4514	4811
		50	2546	2795	2965	3106	3241	3384	3554	3783	4095
		40	2188	2333	2478	2594	2702	2815	2950	3151	3439
		30	2011	2087	2180	2241	2288	2337	2405		

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R134a

Capacity

High Temp. J Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-20	-15	-10	-5	0	5	10	15	20	25	
YW180J1-V100	Heating Capacity (W)	80	9721	11268	13491	16450	18955	21142	24152	27523	27031	30790
		70	10201	12024	13893	16189	18642	21906	25134	28791	32891	37468
		60	10637	12614	14272	16570	19327	22318	25541	29235	33347	37899
		50	10567	12518	14525	17080	19839	22896	26349	30317	34722	39582
		40	10256	12430	14836	17502	20513	23839	27950	32280	37049	
		30	9920	12487	15115	18127	21499	25464	29860			
	Power (W)	80	6947	7076	7765	9107	9232	8744	8836	8989	8575	9069
		70	5548	5962	6282	6579	6777	7038	7223	7474	7821	8293
		60	4339	4927	5001	5278	5511	5703	5935	6242	6653	7199
		50	3515	3865	4099	4295	4481	4680	4914	5231	5662	6237
		40	3020	3225	3426	3587	3736	3892	4079	4357	4755	
		30	2775	2886	3014	3099	3164	3232	3326			
YW200J1-V100	Heating Capacity (W)	80	11144	12965	15519	19150	22035	24318	27780	31657	31091	35414
		70	11693	13830	15980	18620	21442	25196	28910	33116	37831	43096
		60	12194	14509	16415	19058	22230	25670	29377	33626	38355	43591
		50	12115	14398	16707	19645	22819	26335	30306	34871	39937	45528
		40	11758	14297	17064	20130	23594	27419	32148	37128	42613	
		30	11373	14363	17385	20849	24728	29288	34345			
	Power (W)	80	7964	8115	8906	10705	10852	10057	10164	10339	9863	10432
		70	6380	6857	7225	7567	7795	8095	8308	8597	8995	9538
		60	4989	5667	5752	6071	6339	6560	6827	7179	7652	8280
		50	4041	4446	4715	4940	5154	5383	5652	6017	6512	7173
		40	3473	3710	3940	4126	4297	4477	4692	5012	5470	
		30	3190	3320	3467	3564	3639	3717	3825			
YW240J1-V100	Heating Capacity (W)	80	12567	14661	17547	21651	24912	27493	31407	35791	35151	40039
		70	13185	15636	18067	21052	24241	28486	32685	37440	42771	48724
		60	13752	16403	18559	21547	25133	29022	33213	38017	43364	49283
		50	13663	16278	18889	22211	25798	29774	34264	39424	45153	51473
		40	13260	16164	19293	22759	26675	31000	36346	41976	48178	
		30	12825	16238	19655	23572	27957	33113	38829			
	Power (W)	80	8980	9153	10046	12103	12269	11370	11491	11689	11151	11794
		70	7211	7753	8169	8555	8813	9153	9393	9720	10170	10784
		60	5639	6407	6504	6864	7167	7417	7718	8117	8651	9361
		50	4567	5026	5331	5586	5827	6086	6390	6802	7362	8110
		40	3925	4194	4455	4665	4858	5062	5304	5666	6184	
		30	3606	3753	3920	4030	4114	4203	4325			

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R134a

Capacity

High Temp. J Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-20	-15	-10	-5	0	5	10	15	20	25	
YSW265J1G-V100	Heating Capacity (W)	80	14245	18527	22385	26361	29833	32339	36725	42556	48190	54509
		70	16220	19375	22208	26365	29007	33155	38366	43926	49691	56229
		60	16849	19989	22923	26363	29891	34413	39523	44954	50907	57714
		50	16834	20188	23204	26950	30986	36100	41510	47426	54051	61611
		40	16485	20234	23616	27616	32809	38260	44185	50806	58322	
		30	15994	20295	24423	29343	34615	40454	47080			
	Power (W)	80	14017	14321	14618	15176	15465	14147	14423	14941	15384	16035
		70	9156	9686	10205	11564	11108	11528	12048	12467	13066	13884
		60	7094	7595	8235	8919	9033	9444	9838	10371	11068	11995
		50	5796	6219	6695	7214	7464	7777	8193	8746	9464	10428
		40	5008	5347	5686	5984	6184	6451	6823	7336	8022	
		30	4607	4769	4912	5016	5141	5322	5603			
YW290J1-V100	Heating Capacity (W)	80	18276	21136	24285	27777	31668	36012	40865	46281	52316	59024
		70	18082	21077	24414	28148	32334	37027	42282	48154	54698	61969
		60	17913	20995	24473	28401	32834	37828	43437	49716	56721	64507
		50	17755	20876	24446	28520	33152	38399	44314	50954	58372	66624
		40	17593	20705	24319	28491	33275	38727	44901	51852	59636	68307
		30	17414	20469	24079	28301	33189	38797	45182			
	Power (W)	80	10728	11656	12550	13402	14204	14949	15628	16234	16758	17193
		70	9258	9978	10680	11355	11995	12593	13141	13631	14055	14405
		60	8020	8560	9096	9621	10126	10605	11049	11450	11801	12093
		50	6977	7363	7760	8162	8560	8947	9314	9654	9958	10220
		40	6090	6349	6635	6941	7259	7580	7898	8203	8488	8746
		30	5321	5480	5683	5920	6184	6467	6762			
YW315J1-V100	Heating Capacity (W)	80	22268	25753	29590	33845	38586	43879	49792	56391	63744	71917
		70	22032	25682	29748	34297	39398	45116	51519	58673	66646	75505
		60	21827	25582	29819	34605	40006	46091	52925	60577	69112	78598
		50	21634	25436	29786	34750	40394	46787	53995	62084	71123	81178
		40	21436	25228	29632	34715	40544	47186	54709	63179	72663	83228
		30	21218	24940	29339	34483	40439	47272	55051			
	Power (W)	80	12065	13108	14114	15072	15974	16811	17575	18256	18846	19335
		70	10411	11221	12010	12769	13489	14162	14778	15329	15806	16200
		60	9020	9626	10229	10819	11388	11926	12425	12877	13271	13600
		50	7846	8280	8727	9179	9627	10061	10474	10856	11199	11493
		40	6849	7140	7462	7806	8163	8525	8881	9225	9546	9836
		30	5984	6163	6391	6657	6955	7273	7604			

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.: ≤112°C, control injecting superheat=6K; Discharge temp.: >112°C, control injecting making Discharge temp.=112°C.

YW/YSW Series

R134a

Capacity

High Temp. J Series(With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-20	-15	-10	-5	0	5	10	15	20	25	
YW390J1-V100	Heating Capacity (W)	80	25947	30008	34478	39436	44960	51128	58018	65707	74275	83798
		70	25672	29924	34662	39963	45906	52569	60030	68366	77657	87979
		60	25432	29808	34745	40321	46616	53705	61669	70584	80529	91583
		50	25208	29638	34707	40490	47067	54516	62915	72341	82873	94589
		40	24978	29396	34527	40450	47242	54982	63747	73616	84667	96978
		30	24723	29060	34186	40180	47119	55082	64146			
	Power (W)	80	14002	15213	16380	17492	18539	19511	20397	21188	21872	22440
		70	12083	13023	13939	14820	15655	16436	17151	17791	18344	18801
		60	10468	11172	11872	12557	13217	13841	14421	14944	15402	15784
		50	9106	9610	10129	10653	11173	11677	12156	12600	12997	13338
		40	7948	8287	8660	9060	9474	9894	10308	10706	11079	11415
		30	6944	7153	7417	7727	8071	8441	8825			
YW470J1-V100	Heating Capacity (W)	80	29591	34222	39321	44975	51275	58309	66166	74936	84707	95568
		70	29278	34127	39531	45577	52354	59953	68461	77969	88564	100336
		60	29004	33995	39625	45985	53163	61249	70331	80498	91840	104446
		50	28748	33801	39581	46177	53678	62173	71751	82502	94513	107874
		40	28486	33525	39377	46131	53878	62704	72701	83956	96559	110599
		30	28195	33142	38988	45824	53737	62818	73156			
	Power (W)	80	16148	17545	18891	20173	21380	22501	23523	24435	25224	25879
		70	13935	15019	16075	17091	18055	18955	19780	20517	21155	21683
		60	12072	12884	13691	14481	15242	15963	16631	17235	17763	18203
		50	10502	11083	11681	12286	12885	13467	14019	14531	14989	15383
		40	9166	9557	9988	10448	10926	11410	11887	12347	12777	13165
		30	8009	8249	8554	8911	9308	9735	10178			

Remarks: Subcooling 8.3°C, S.H 11.1°C

EVI Control rule: Discharge temp.:≤112°C, control injecting superheat=6K; Discharge temp.:>112°C, control injecting making Discharge temp.=112°C.

YIW Series

R290

Capacity

Variable Speed

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	15	25	
YIW38P1-100	Heating Capacity (W)	75					6462	7403	8452	9633	12480	
		70				5789	6665	7636	8728	9960	12940	16754
		60		4518	5278	6110	7037	8080	9262	10606	13867	18042
		50	4012	4725	5507	6381	7369	8493	9777	11242	14805	19362
		40	4138	4863	5677	6603	7663	8880	10276	11872	15758	20717
		30	4187	4935	5792	6781	7924	9243	10761	12499	16729	
		20	4164	4946	5856	6918	8153	9585	11235	13126		
		10	4072	4897	5871	7016	8354	9909	11702			
	Power (W)	75					3278	3480	3664	3829	4104	
		70				2947	3134	3305	3460	3599	3829	3995
		60		2383	2539	2683	2816	2938	3048	3148	3313	3434
		50	2059	2174	2283	2385	2481	2571	2654	2731	2866	2976
		40	1846	1926	2005	2083	2159	2233	2307	2379	2518	2652
		30	1605	1668	1735	1805	1878	1955	2036	2119	2298	
		20	1367	1430	1501	1581	1669	1765	1870	1983		
		10	1160	1240	1333	1440	1560	1693	1839			
YIW42P1-100	Heating Capacity (W)	75					6970	7985	9117	10391	13461	
		70				6245	7189	8237	9414	10743	13957	18071
		60		4874	5693	6591	7590	8715	9991	11440	14957	19460
		50	4328	5096	5940	6882	7948	9161	10546	12126	15969	20884
		40	4463	5245	6123	7122	8266	9578	11084	12806	16997	22346
		30	4517	5323	6248	7314	8547	9970	11607	13482	18044	
		20	4492	5335	6316	7462	8794	10339	12119	14158		
		10	4392	5282	6332	7567	9011	10688	12622			
	Power (W)	75					3482	3697	3892	4068	4360	
		70				3131	3330	3512	3676	3824	4068	4244
		60		2532	2697	2851	2992	3121	3239	3344	3520	3648
		50	2188	2310	2426	2534	2636	2731	2820	2902	3045	3162
		40	1961	2047	2130	2213	2294	2373	2451	2527	2675	2818
		30	1705	1772	1843	1917	1996	2077	2163	2252	2441	
		20	1452	1519	1595	1679	1773	1875	1987	2107		
		10	1232	1317	1417	1530	1657	1798	1954			
YIW50P1-100	Heating Capacity (W)	75					8534	9776	11162	12722	16481	
		70				7646	8801	10085	11526	13154	17089	22125
		60		5967	6971	8069	9293	10671	12232	14006	18313	23826
		50	5298	6239	7272	8426	9731	11217	12912	14847	19552	25570
		40	5464	6422	7497	8720	10121	11727	13570	15679	20811	27360
		30	5530	6518	7650	8955	10464	12206	14211	16507	22093	
		20	5500	6531	7733	9136	10767	12658	14837	17335		
		10	5378	6467	7753	9265	11033	13086	15454			
	Power (W)	75					4320	4586	4828	5046	5409	
		70				3884	4130	4356	4560	4744	5046	5265
		60		3141	3346	3536	3711	3872	4018	4149	4366	4525
		50	2714	2866	3009	3144	3270	3388	3498	3599	3778	3923
		40	2433	2539	2643	2745	2845	2944	3040	3135	3319	3495
		30	2115	2199	2286	2379	2475	2577	2683	2793	3028	
		20	1801	1884	1978	2083	2199	2326	2464	2613		
		10	1529	1634	1757	1898	2055	2231	2424			

Remarks: Capacity @4500RPM
Subcooling 4°C, S.H. 10°C

YIW Series

Capacity

R290

Variable Speed

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	15	25	
YIW60P1-100	Heating Capacity (W)	75					9973	11424	13043	14866	19259	
		70				8935	10285	11785	13469	15371	19969	25855
		60		6973	8146	9430	10860	12469	14294	16367	21400	27843
		50	6192	7291	8498	9847	11372	13108	15089	17349	22848	29880
		40	6385	7504	8761	10190	11827	13704	15858	18322	24319	31972
		30	6462	7616	8939	10465	12229	14264	16606	19289	25817	
		20	6427	7632	9037	10676	12582	14792	17338	20257		
		10	6284	7557	9060	10827	12893	15292	18059			
	Power (W)	75					5011	5320	5601	5854	6274	
		70				4505	4791	5053	5290	5503	5854	6107
		60		3644	3881	4102	4305	4491	4660	4812	5065	5249
		50	3149	3324	3490	3647	3793	3930	4058	4175	4382	4550
		40	2822	2945	3066	3184	3300	3415	3527	3636	3850	4054
		30	2454	2550	2652	2759	2871	2989	3112	3240	3513	
		20	2089	2186	2295	2417	2551	2699	2859	3032		
		10	1773	1896	2038	2201	2384	2588	2811			
YIW72P1-100	Heating Capacity (W)	75					11825	13545	15465	17626	22835	
		70				10593	12194	13973	15969	18225	23677	30655
		60		8267	9658	11180	12876	14784	16948	19406	25373	33012
		50	7341	8645	10076	11675	13483	15541	17890	20570	27090	35427
		40	7571	8897	10387	12082	14022	16249	18802	21723	28834	37907
		30	7662	9030	10599	12408	14499	16912	19689	22871	30610	
		20	7620	9049	10715	12658	14918	17538	20557	24018		
		10	7451	8960	10742	12837	15286	18131	21412			
	Power (W)	75					5881	6244	6574	6871	7364	
		70				5288	5624	5931	6209	6459	6871	7168
		60		4277	4556	4814	5053	5272	5470	5649	5945	6162
		50	3696	3902	4097	4280	4452	4613	4763	4901	5144	5341
		40	3312	3456	3598	3737	3874	4008	4139	4268	4519	4759
		30	2880	2994	3113	3239	3370	3508	3653	3803	4123	
		20	2452	2566	2694	2837	2994	3167	3355	3558		
		10	2081	2225	2392	2584	2799	3037	3300			

Remarks: Capacity @4500RPM
Subcooling 4°C, S.H. 10°C

YIW Series

R410A

Capacity

Variable Speed (With EVI)

Model	C.T. (°C)	E.T. (°C)									
		-30	-25	-20	-15	-10	-5	0	5	10	15
YIW38C2G-V100	65							17694	19711	22024	24676
	55	8748	10036	11391	12857	14476	16292	18347	20684	23348	26379
	50	8514	9859	11286	12838	14558	16490	18676	21159	23983	27190
	45	8332	9724	11213	12841	14653	16691	18998	21618	24593	27966
	40	8196	9624	11165	12861	14755	16890	19309	22055	25172	28702
	35	8098	9555	11139	12892	14858	17081	19602	22465	25714	29391
	25	8000	9484	11124	12964	15047	17415	20112	23181	26666	30608
	65							6839	6999	7191	
	55	3980	4457	4799	5034	5190	5294	5375	5460	5577	5754
	50	3832	4212	4471	4636	4735	4797	4849	4918	5034	5222
	45	3678	3973	4162	4270	4326	4359	4395	4462	4588	4802
	40	3505	3730	3861	3926	3952	3968	4001	4079	4230	4482
	35	3305	3472	3559	3593	3603	3615	3659	3761	3949	4252
	25	2777	2868	2906	2919	2934	2979	3083	3272	3575	4020
YIW42C2G-V100	65							19557	21786	24343	27274
	55	9670	11094	12592	14212	16001	18007	20278	22862	25805	29156
	50	9412	10898	12475	14190	16091	18226	20642	23386	26507	30052
	45	9210	10748	12394	14193	16196	18448	20998	23893	27181	30909
	40	9059	10638	12341	14215	16308	18668	21341	24376	27821	31722
	35	8951	10561	12311	14249	16422	18878	21665	24830	28420	32484
	25	8843	10482	12295	14329	16630	19248	22229	25621	29472	33829
	65							7559	7736	7949	
	55	4400	4927	5305	5564	5736	5852	5941	6035	6164	6360
	50	4236	4656	4942	5124	5234	5302	5360	5436	5564	5772
	45	4065	4392	4600	4720	4782	4818	4857	4932	5072	5308
	40	3875	4123	4268	4340	4369	4386	4423	4509	4676	4954
	35	3653	3838	3934	3972	3982	3996	4044	4157	4365	4700
	25	3070	3171	3213	3227	3243	3293	3408	3617	3952	4443
YIW38C1G-V100	65							19996	22289	24819	27600
	55	8946	10314	11832	13513	15371	17423	19680	22159	24872	27836
	50	8502	9934	11516	13260	15181	17294	19612	22151	24925	27947
	45	8185	9661	11284	13070	15032	17185	19543	22121	24933	27993
	40	7950	9447	11091	12897	14878	17050	19426	22022	24851	27927
	35	7750	9247	10890	12695	14674	16843	19216	21808	24632	27703
	25	7272	8704	10282	12019	13930	16029	18331	20850	23601	26597
	65							6902	6948	6987	7020
	55	5018	5126	5224	5314	5395	5467	5532	5588	5637	5678
	50	4461	4570	4670	4761	4843	4915	4979	5035	5082	5121
	45	3989	4097	4194	4282	4360	4428	4488	4538	4579	4612
	40	3584	3685	3776	3856	3927	3987	4037	4078	4109	4131
	35	3224	3315	3395	3464	3522	3570	3607	3634	3651	3659
	25	2560	2618	2664	2697	2719	2729	2727	2715	2691	2657

Remarks: Capacity @4500RPM
Subcooling 8.3°C, S.H 11.1°C

YIW Series

R410A

Capacity

Variable Speed (With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YIW42C1G-V100	Heating Capacity (W)	65							22101	24635	27431	30505
		55	9888	11400	13077	14935	16990	19256	21752	24491	27491	30766
		50	9397	10980	12728	14655	16779	19114	21677	24483	27549	30889
		45	9047	10678	12472	14445	16614	18994	21600	24450	27557	30940
		40	8787	10441	12258	14254	16444	18845	21471	24340	27466	30867
		35	8566	10220	12037	14031	16219	18616	21239	24103	27225	30619
		25	8038	9621	11364	13284	15396	17717	20261	23045	26085	29397
	Power (W)	65							7628	7679	7722	7759
		55	5546	5665	5774	5873	5963	6043	6114	6177	6230	6276
		50	4930	5051	5162	5262	5352	5433	5503	5565	5617	5660
		45	4409	4528	4636	4733	4819	4895	4960	5016	5061	5097
		40	3961	4073	4174	4262	4340	4406	4462	4507	4542	4566
		35	3563	3664	3752	3829	3893	3945	3987	4017	4036	4044
		25	2830	2894	2944	2981	3005	3016	3015	3001	2975	2937
YIW50C1G-V100	Heating Capacity (W)	65							26310	29328	32656	36315
		55	11771	13571	15568	17780	20226	22924	25895	29156	32727	36626
		50	11187	13072	15152	17447	19975	22755	25806	29146	32796	36773
		45	10770	12711	14847	17197	19779	22612	25715	29107	32806	36833
		40	10460	12430	14593	16969	19577	22434	25561	28976	32698	36746
		35	10197	12167	14329	16703	19308	22162	25285	28694	32410	36451
		25	9569	11453	13529	15815	18329	21091	24120	27435	31054	34996
	Power (W)	65							9081	9142	9193	9237
		55	6603	6744	6874	6992	7098	7194	7279	7353	7417	7472
		50	5869	6014	6145	6265	6372	6468	6552	6625	6687	6738
		45	5249	5391	5519	5634	5737	5827	5905	5971	6025	6068
		40	4716	4849	4969	5074	5167	5246	5312	5365	5407	5436
		35	4242	4362	4467	4558	4634	4697	4746	4782	4804	4814
		25	3369	3445	3505	3549	3577	3591	3589	3572	3541	3496
YIW60C1G-V100	Heating Capacity (W)	65							31572	35193	39188	43578
		55	14125	16286	18682	21336	24271	27509	31074	34987	39272	43951
		50	13424	15686	18183	20936	23970	27306	30967	34976	39355	44128
		45	12924	15254	17817	20636	23734	27134	30858	34928	39368	44200
		40	12552	14916	17512	20363	23492	26921	30673	34771	39238	44095
		35	12237	14600	17195	20044	23170	26595	30342	34433	38892	43741
		25	11482	13744	16235	18978	21995	25310	28944	32922	37264	41995
	Power (W)	65							10897	10970	11032	11084
		55	7923	8093	8249	8390	8518	8633	8735	8824	8901	8966
		50	7043	7216	7374	7518	7646	7761	7862	7949	8024	8086
		45	6299	6469	6623	6761	6884	6992	7086	7165	7230	7282
		40	5659	5819	5962	6089	6200	6295	6374	6438	6488	6523
		35	5091	5234	5361	5469	5561	5636	5695	5738	5765	5777
		25	4043	4134	4206	4259	4293	4309	4306	4287	4249	4195

Remarks: Capacity @4500RPM
Subcooling 8.3°C, S.H 11.1°C

YIW Series

R410A

Capacity

Variable Speed (With EVI)

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YIW72C1G-V100	Heating Capacity (W)	65							37887	42232	47025	52294
		55	16950	19543	22418	25603	29125	33011	37289	41985	47127	52742
		50	16109	18823	21819	25124	28764	32767	37160	41971	47226	52953
		45	15509	18304	21380	24764	28481	32561	37029	41914	47241	53040
		40	15063	17899	21014	24436	28190	32305	36808	41726	47085	52914
		35	14684	17520	20634	24053	27804	31914	36410	41320	46671	52490
		25	13779	16493	19482	22773	26394	30372	34733	39506	44717	50394
	Power (W)	65							13077	13164	13239	13301
		55	9508	9712	9899	10068	10222	10359	10481	10588	10681	10759
		50	8452	8660	8849	9021	9176	9313	9434	9539	9629	9703
		45	7559	7763	7947	8113	8261	8391	8503	8598	8676	8739
		40	6790	6983	7155	7307	7440	7554	7649	7726	7786	7828
		35	6109	6281	6433	6563	6673	6763	6834	6885	6918	6933
		25	4851	4961	5047	5111	5151	5170	5168	5144	5099	5034

Remarks: Capacity @4500RPM
Subcooling 8.3°C, S.H 11.1°C

Model	C.T. (°C)	E.T. (°C)										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
YIW130C1G-V100	Heating Capacity (W)	65							69357	61081	69371	78477
		55	35420	37302	40802	45724	51873	59054	67071	63669	72699	82804
		50	33835	36291	40192	45345	51553	58621	66354	65016	74484	85155
		45	32826	35758	39965	45252	51423	58283	65636	66410	76360	87642
		40	32177	35490	39906	45231	51268	57823	64699	67858	78334	90272
		35	31673	35271	39800	45066	50874	57027	63331	69368	80415	93053
		25	30243	34120	38586	43446	48505	53567	58437	72602	84927	
	Power (W)	65							22787	19914	20605	20616
		55	17251	17458	17661	17860	18054	18240	18417	16208	16988	16987
		50	15692	15844	15993	16139	16279	16413	16540	14325	15201	15247
		45	14229	14345	14460	14571	14679	14781	14876	12496	13504	13632
		40	12868	12968	13068	13165	13260	13349	13433	10778	11954	12199
		35	11615	11720	11824	11927	12028	12125	12216	9229	10607	11004
		25	9463	9634	9807	9981	10154	10324	10491	6861	8749	

Remarks: Capacity @4500RPM
S.H 11.1°C

EVI Control Logic: Discharge temp.: ≤110°C, control injecting superheat=5K; Discharge temp.: > 110°C,
control discharge temp.=100°C;
Max. injection pressure no more than 2.0Mpa;
Running time in the wet injection zone no more than 2000h.

EV off Area

YIW Series

Capacity

R134a

Variable Speed

Model	C.T. (°C)	E.T. (°C)							
		-5	0	5	10	15	20	25	
YIW60J2G-100	Heating Capacity (W)	85			14856	16255	17933	19954	22379
		80			13885	15447	17308	19532	22178
		75		11809	13273	14994	17035	19456	22321
		70	9984	11369	12970	14846	17062	19678	22756
		65	9693	11191	12924	14952	17339	20145	23433
		60	9617	11224	13085	15261	17814	20807	24301
		55	9706	11417	13402	15722	18438	21614	25310
		50	9907	11720	13825	16284	19160	22514	
		45	10171	12080	14302	16897	19928		
		40	10447	12449	14782	17509	20691		
	35	10683	12774	15216	18071				
	30	10829	13006	15552	18531				
	Power (W)	85			7008	7005	7005	7015	7047
		80			6149	6166	6188	6223	6283
		75		5389	5425	5460	5501	5560	5645
		70	4717	4774	4822	4871	4930	5009	5118
		65	4201	4264	4321	4382	4457	4554	4683
		60	3777	3844	3908	3978	4065	4178	4325
		55	3428	3496	3564	3642	3739	3864	4028
		50	3138	3205	3275	3357	3462	3598	
45		2891	2954	3023	3108	3217			
40		2669	2726	2792	2877	2989			
35	2457	2506	2566	2648					
30	2239	2276	2329	2405					
YIW72J2G-100	Heating Capacity (W)	85			17851	19531	21548	23977	26891
		80			16684	18561	20797	23469	26649
		75		14189	15949	18017	20469	23378	26820
		70	11996	13661	15584	17839	20501	23644	27343
		65	11647	13447	15529	17966	20834	24206	28157
		60	11556	13487	15723	18337	21405	25002	29200
		55	11662	13719	16104	18891	22155	25971	30412
		50	11904	14082	16611	19566	23022	27052	
		45	12221	14516	17185	20303	23945		
		40	12552	14958	17762	21039	24862		
	35	12836	15349	18283	21714				
	30	13012	15627	18687	22266				
	Power (W)	85			8437	8434	8433	8446	8484
		80			7402	7423	7449	7493	7564
		75		6488	6532	6573	6623	6694	6797
		70	5679	5747	5805	5864	5935	6031	6161
		65	5058	5134	5203	5276	5365	5482	5638
		60	4547	4628	4705	4789	4894	5029	5207
		55	4127	4209	4291	4385	4501	4652	4850
		50	3778	3859	3943	4042	4168	4331	
45		3480	3556	3639	3741	3873			
40		3214	3282	3362	3463	3598			
35	2959	3017	3090	3188					
30	2696	2741	2804	2895					

Remarks: Capacity @4500RPM
Subcooling 8.3°C, S.H 11.1°C

YIW Series

Capacity

R134a

Variable Speed

Model	C.T. (°C)	E.T. (°C)							
		-5	0	5	10	15	20	25	
YIW60J1G-100	Heating Capacity (W)	85			14846	16243	17921	19940	22364
		80			13875	15436	17296	19518	22163
		75		11800	13264	14984	17023	19443	22305
		70	9977	11361	12961	14836	17050	19664	22740
		65	9686	11184	12915	14942	17327	20131	23417
		60	9611	11217	13076	15250	17802	20793	24285
		55	9699	11409	13393	15711	18426	21599	25292
		50	9900	11712	13815	16273	19146	22498	
		45	10164	12072	14292	16885	19914		
		40	10439	12440	14772	17497	20677		
		35	10676	12765	15206	18058			
		30	10822	12997	15541	18518			
	Power (W)	85			6909	6907	6906	6917	6948
		80			6062	6079	6101	6136	6195
		75		5313	5349	5383	5424	5482	5566
		70	4651	4707	4754	4802	4861	4939	5046
		65	4142	4204	4261	4321	4394	4490	4617
		60	3724	3790	3853	3922	4008	4119	4265
		55	3380	3447	3514	3591	3686	3810	3972
		50	3094	3160	3229	3310	3413	3547	
		45	2850	2912	2981	3064	3172		
		40	2632	2688	2753	2836	2947		
		35	2423	2471	2530	2611			
		30	2208	2244	2296	2371			
YIW72J1G-100	Heating Capacity (W)	85			17432	19073	21043	23414	26259
		80			16292	18125	20309	22918	26024
		75		13856	15574	17594	19988	22830	26191
		70	11714	13340	15218	17420	20020	23089	26702
		65	11374	13132	15164	17545	20345	23638	27496
		60	11285	13170	15354	17907	20903	24415	28515
		55	11388	13397	15726	18448	21635	25361	29698
		50	11625	13752	16222	19107	22481	26417	
		45	11935	14175	16781	19826	23383		
		40	12258	14607	17345	20545	24279		
		35	12535	14989	17854	21204			
		30	12707	15260	18248	21743			
	Power (W)	85			8147	8145	8144	8156	8193
		80			7149	7169	7194	7236	7305
		75		6266	6308	6348	6396	6465	6564
		70	5484	5550	5606	5663	5732	5824	5950
		65	4885	4958	5024	5095	5181	5294	5445
		60	4391	4469	4543	4625	4726	4857	5029
		55	3986	4065	4144	4234	4347	4493	4683
		50	3649	3726	3807	3903	4025	4183	
		45	3361	3434	3515	3613	3740		
		40	3103	3170	3246	3344	3475		
		35	2857	2914	2984	3079			
		30	2603	2647	2707	2796			

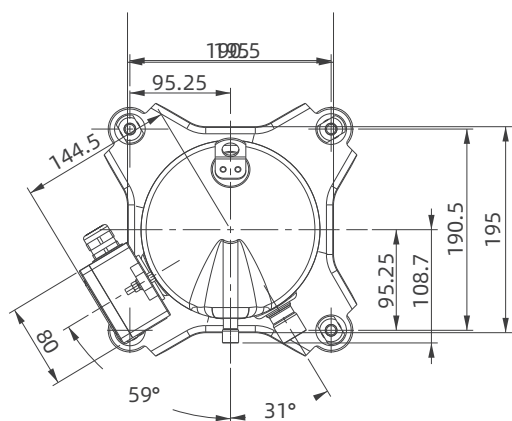
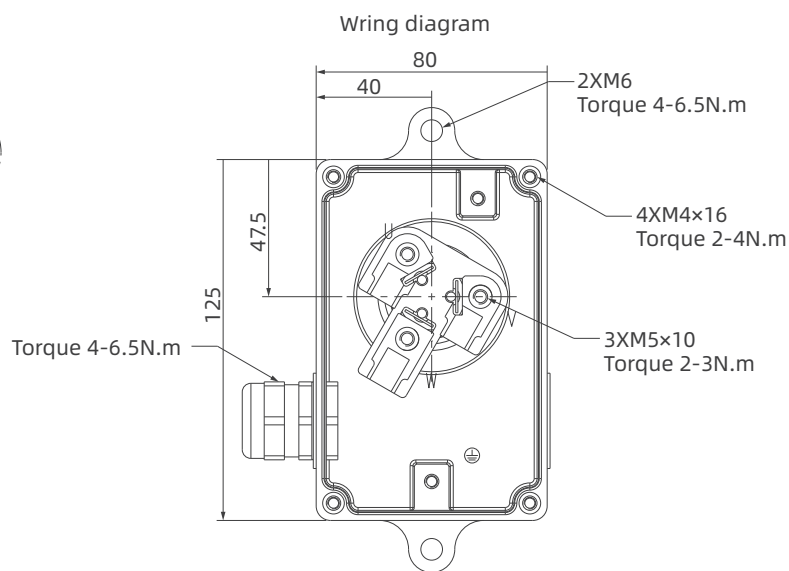
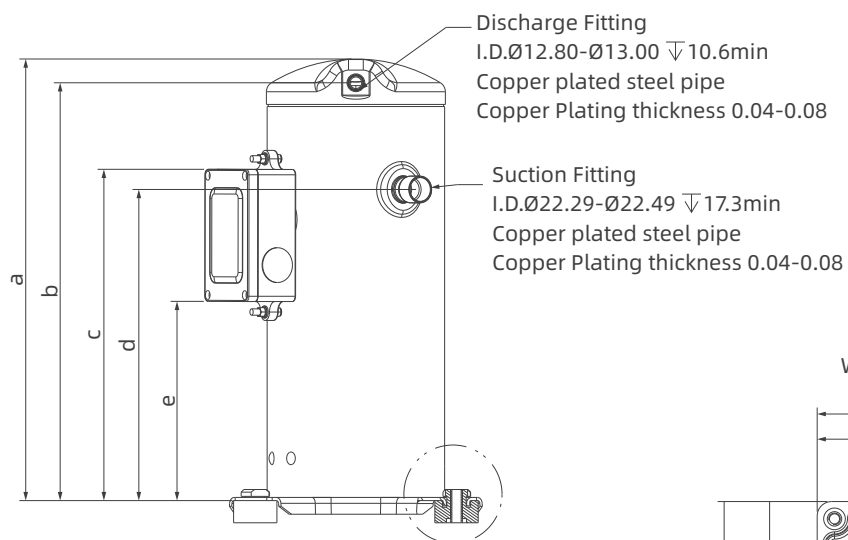
Remarks: Capacity @4500RPM
Subcooling 8.3°C, S.H 11.1°C

YW Series

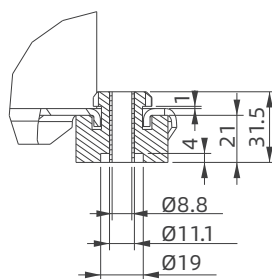
Product Dimensions

R290

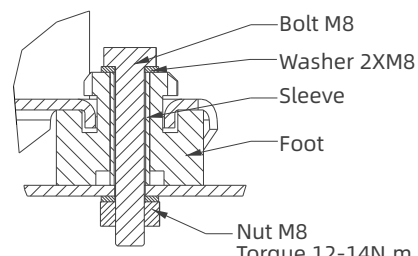
2-7HP



All Tolerances Unless
Otherwise Specified: $\pm 3^\circ$



Mounting Feet



Foot installation
recommendation

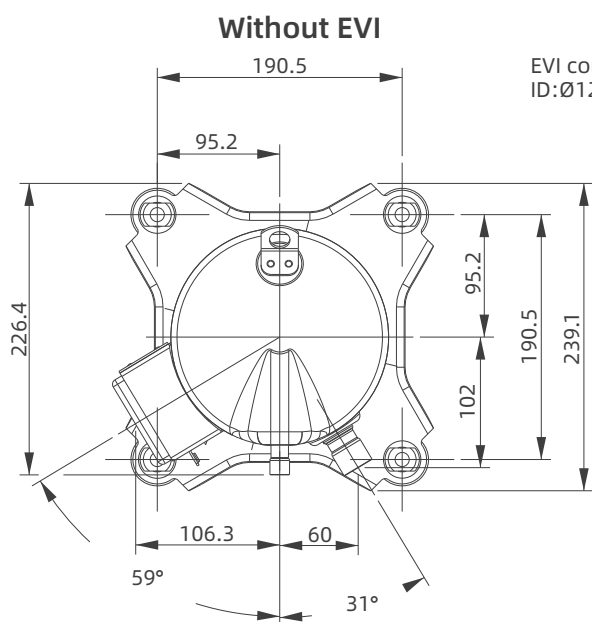
	a	b	c	d	e
2-5HP	418	395.5	313.46	294.5	188.58
6-7HP	463	440.5	358.44	339.5	233.61

YW Series

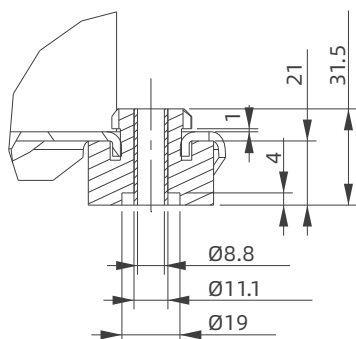
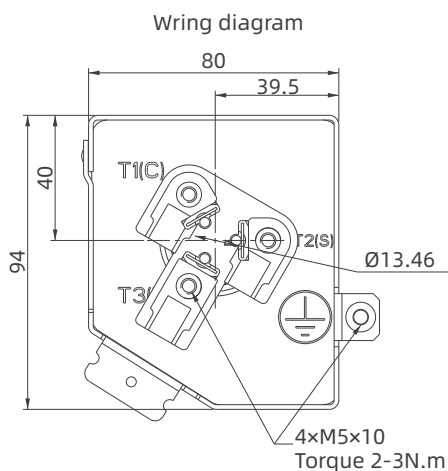
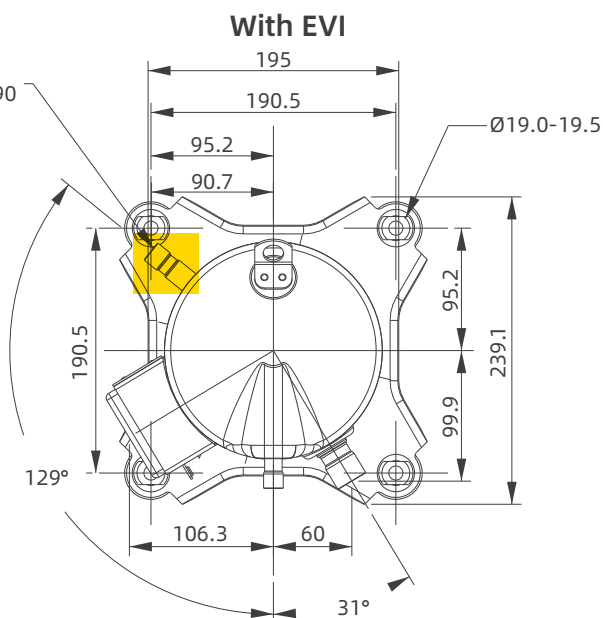
Other Refrigerants Excluding R290

Product Dimensions

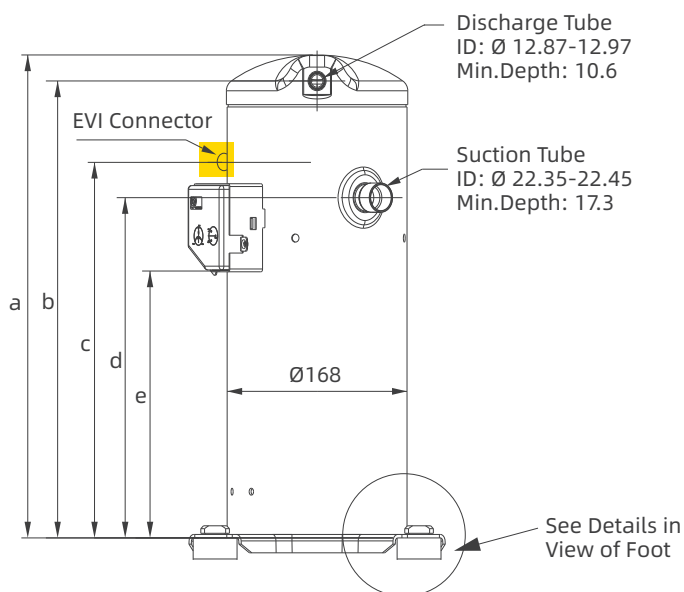
2-7HP



EVI connector
ID: Ø12.80-12.90



Mounting Feet

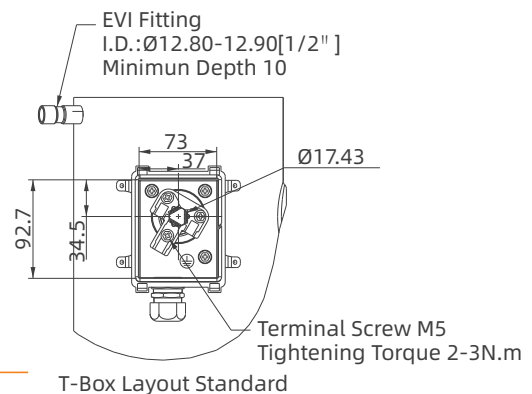
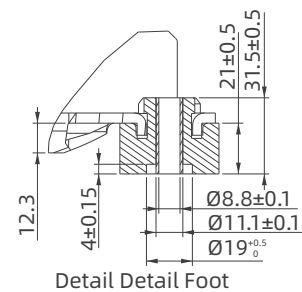
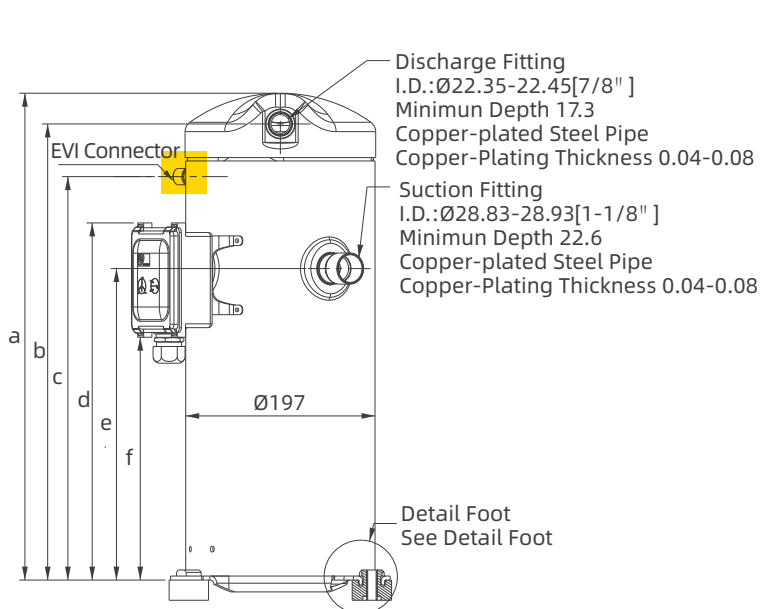
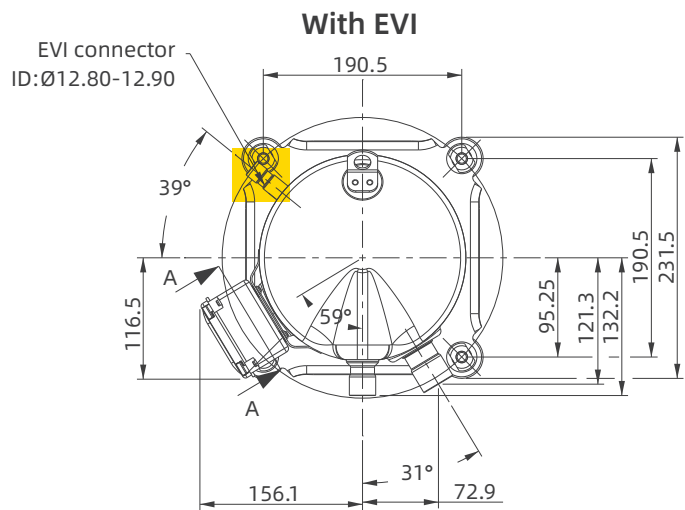
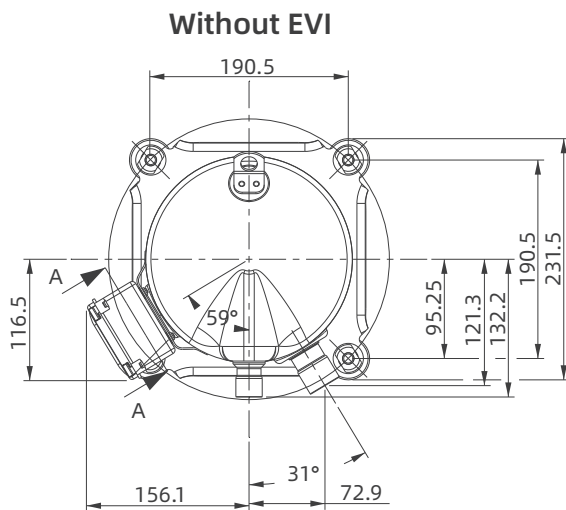


1Ph	3Ph	a	b	c	d	e
2-3HP	2-5HP	418	395.5	333.7	294.5	212
4-6HP	6-7HP	463	440.5	378.7	339.5	257

YW Series

Product Dimensions

8-13HP

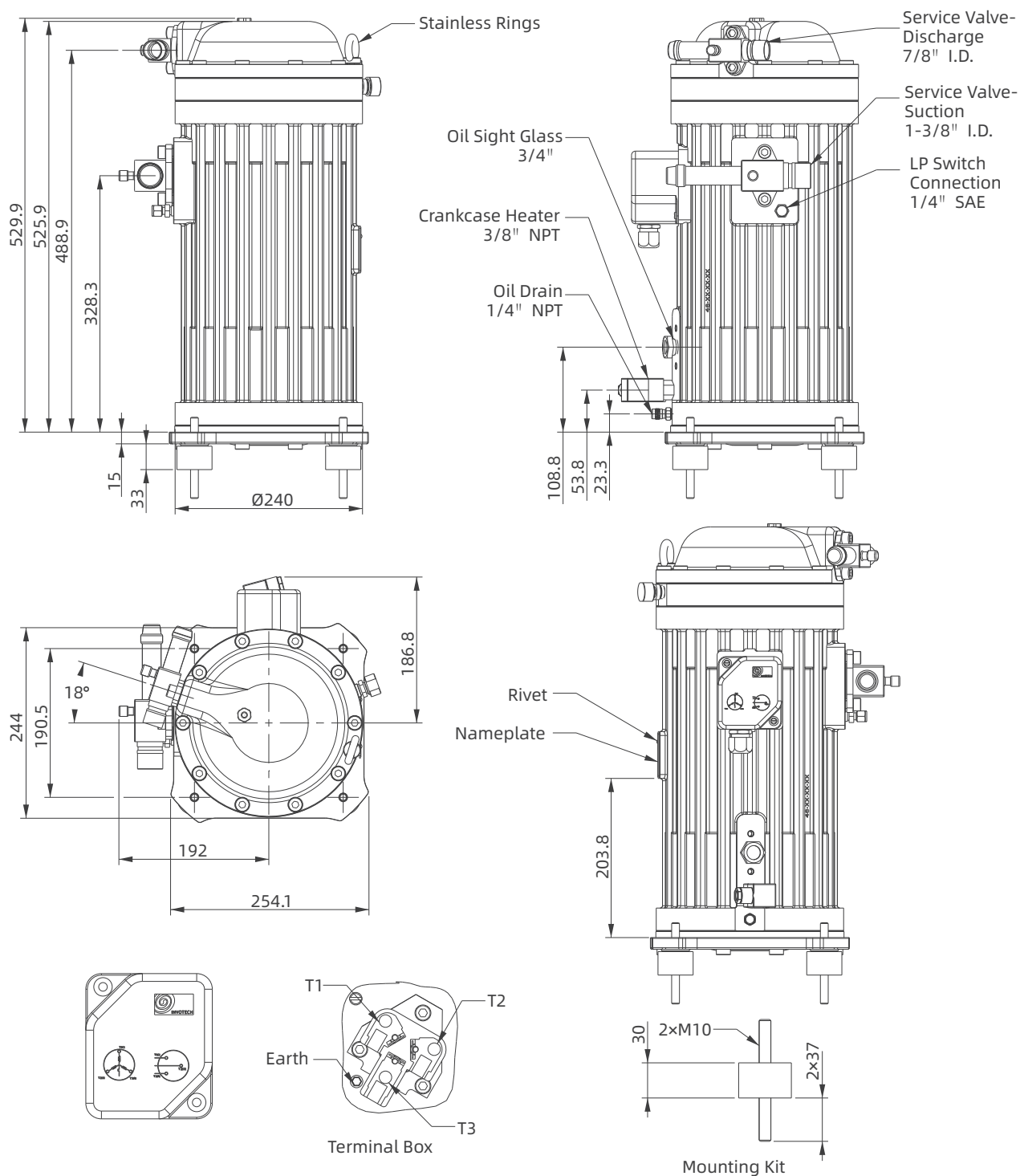


	a	b	c	d	e	f
8-12HP	506.7	474.7	419.9	371.7	324.2	252.7
13HP/YW400C	556.7	524.7	469.9	421.7	374.2	302.7

YSW Series

Product Dimensions

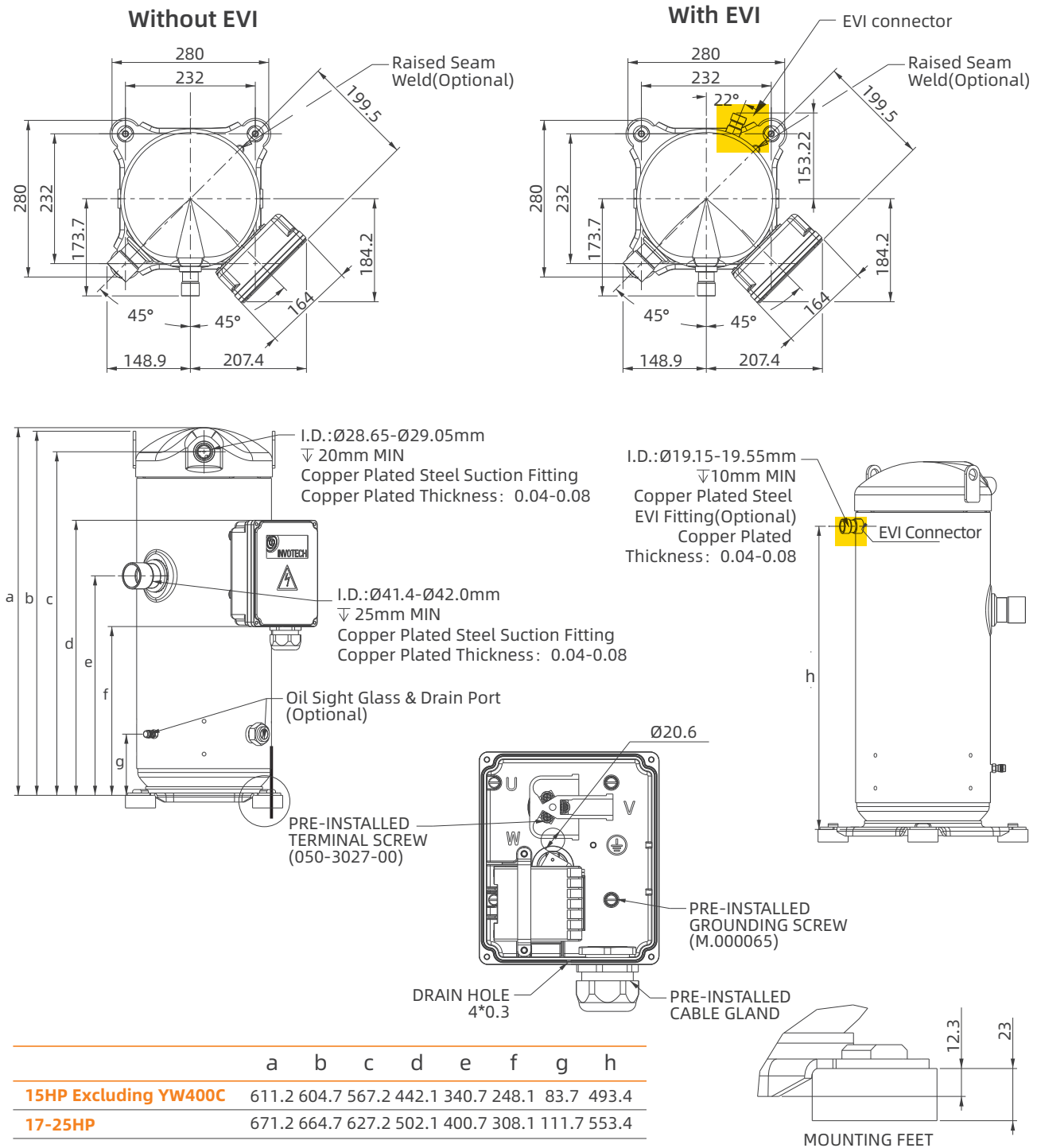
13-15HP



YW Series

Product Dimensions

15-25HP

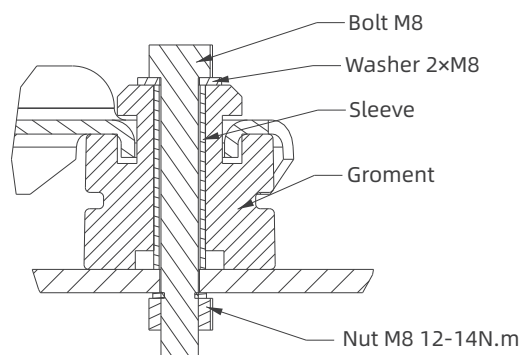
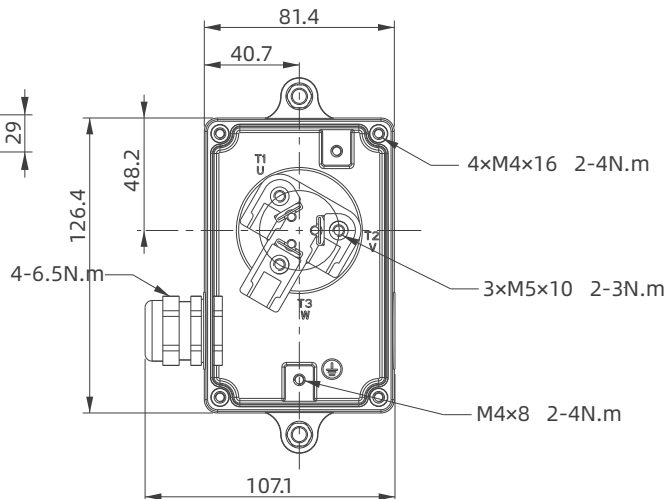
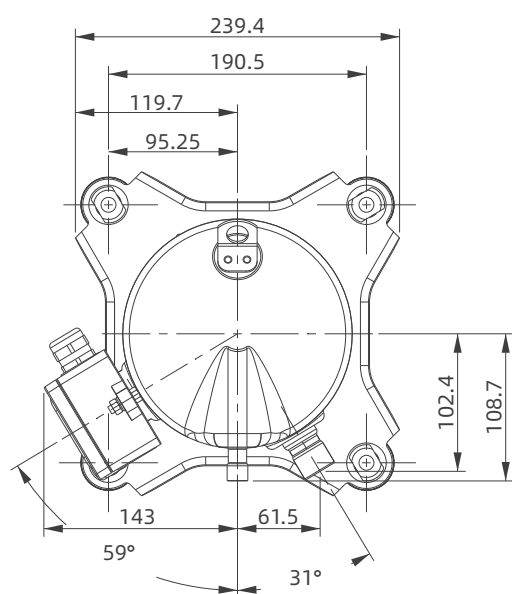
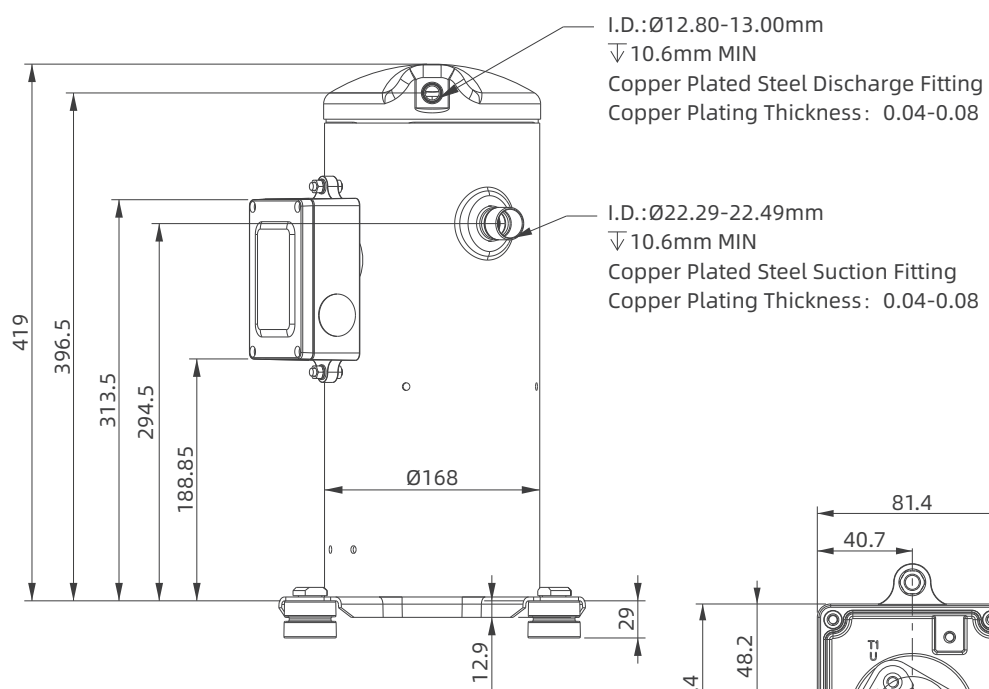


YIW Series

Product Dimensions

R290

YIW38-72



Mounting Feet

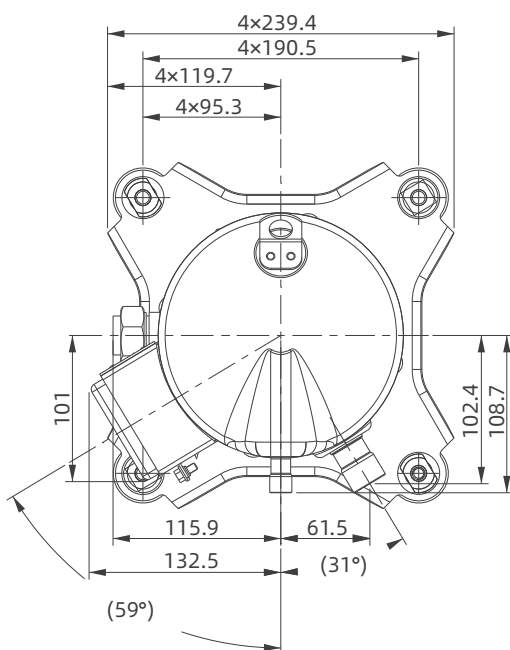
YIW Series

R410A/R134a

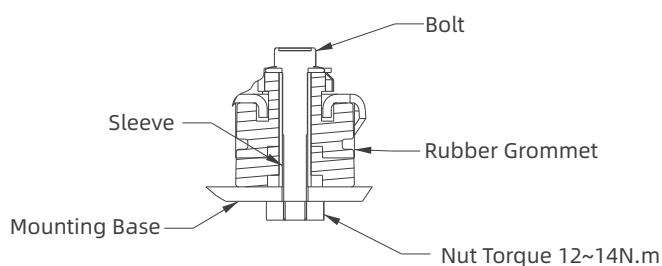
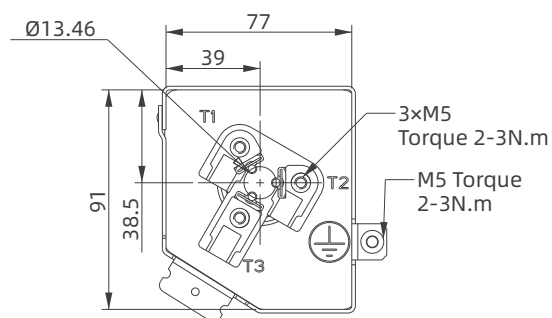
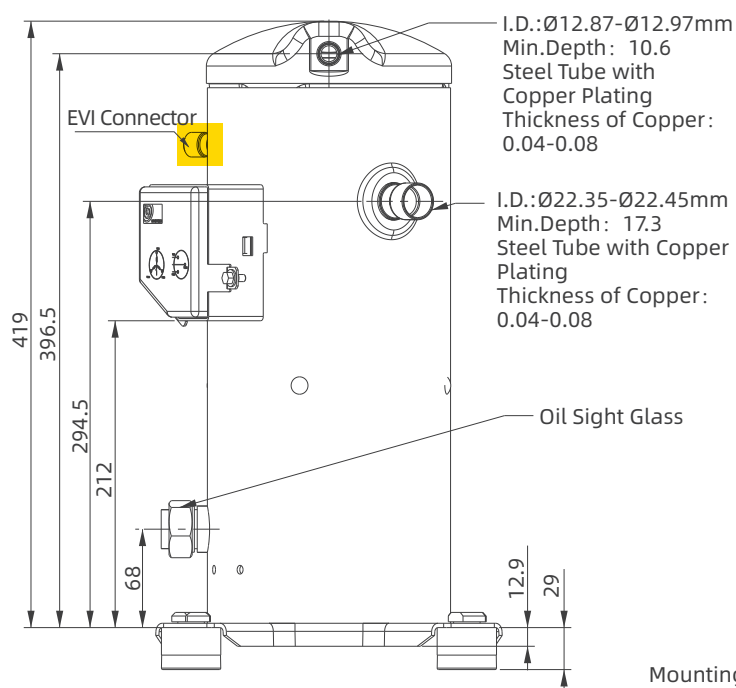
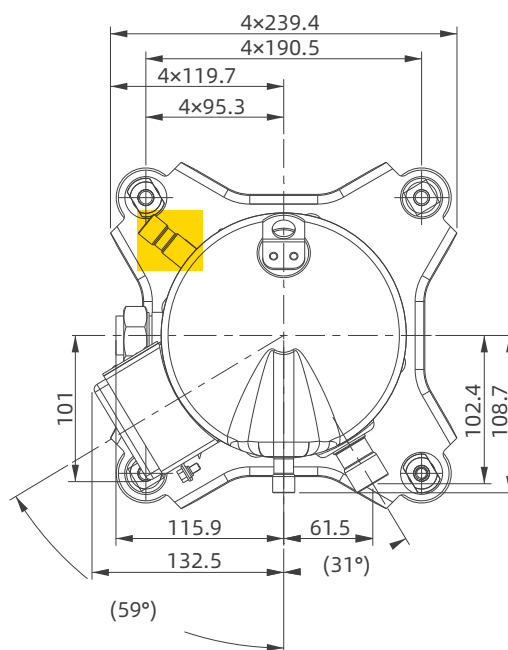
Product Dimensions

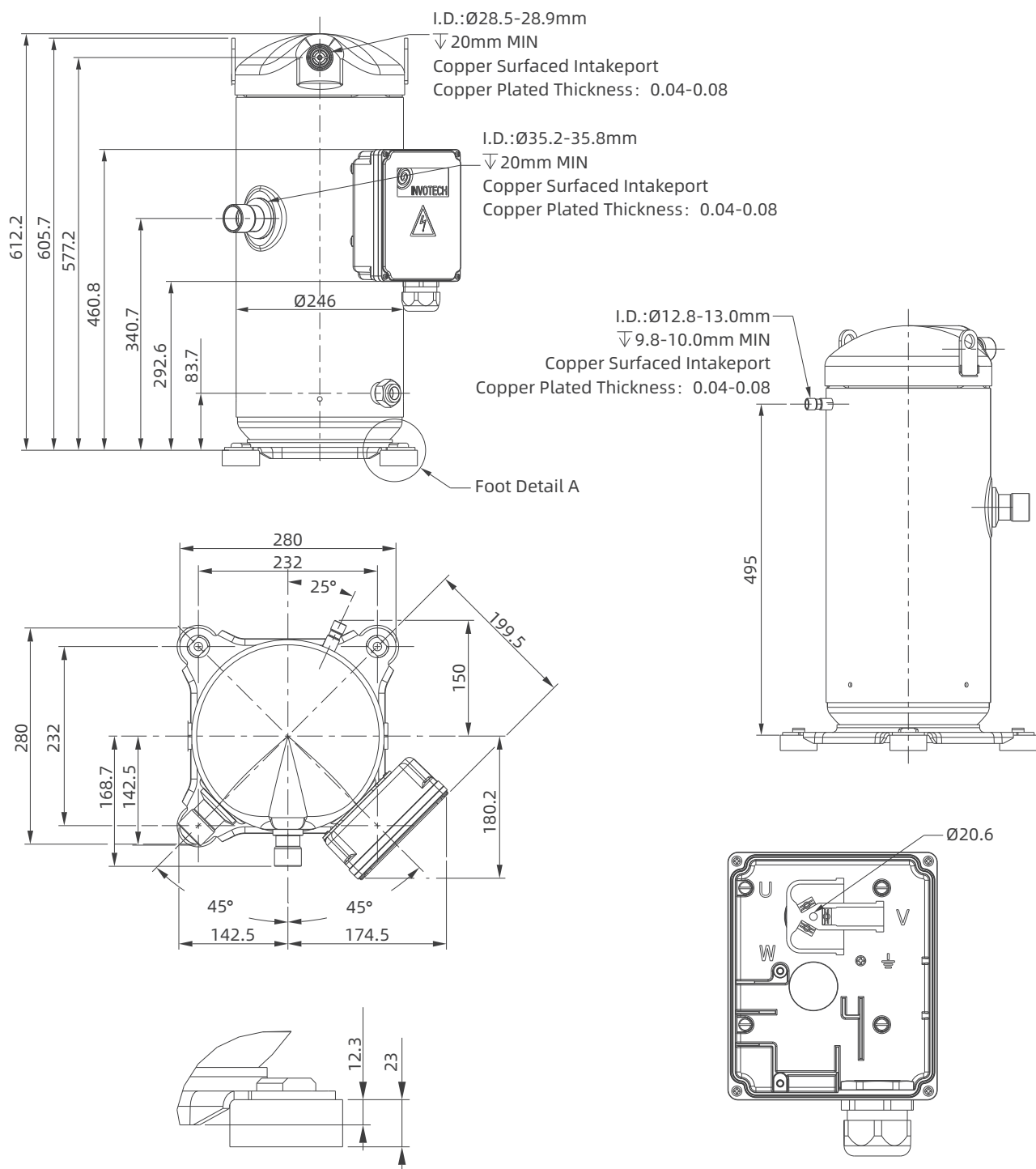
YIW38-72

Without EVI



With EVI







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