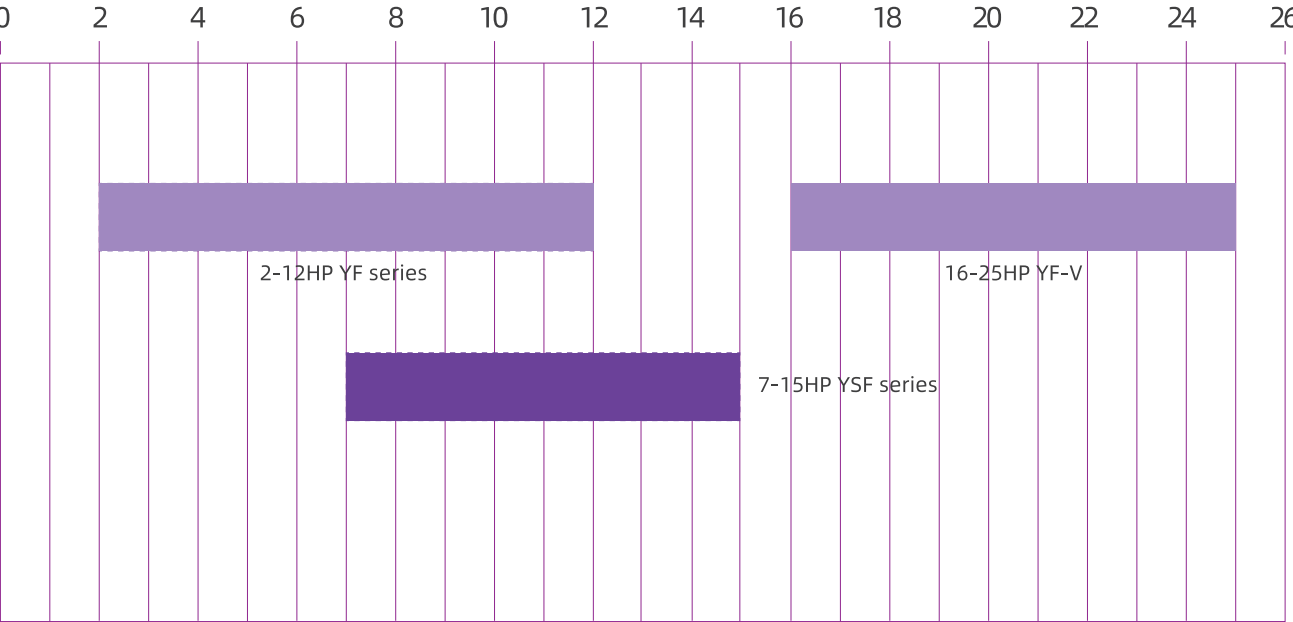


SCROLL COMPRESSORS FOR LOW TEMPERATURE REFRIGERATION

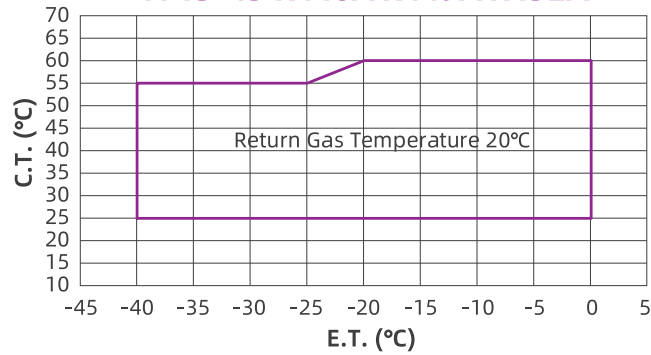


Product Line-up

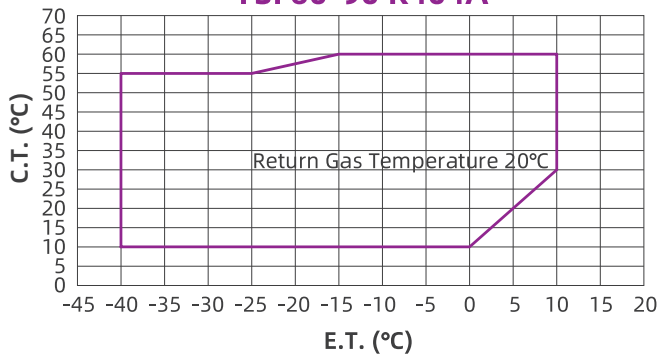


Operating Envelope

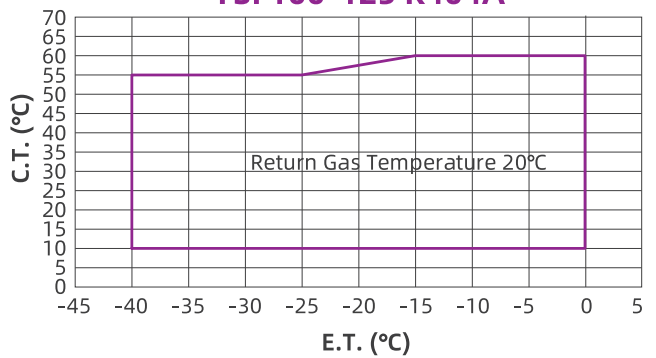
YF13-45 R454C R455A
YF13-80 R404A
YF13-45 R448A R449A R452A



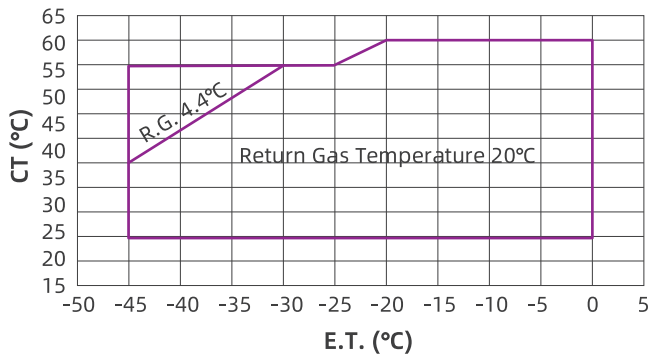
YSF60-90 R404A



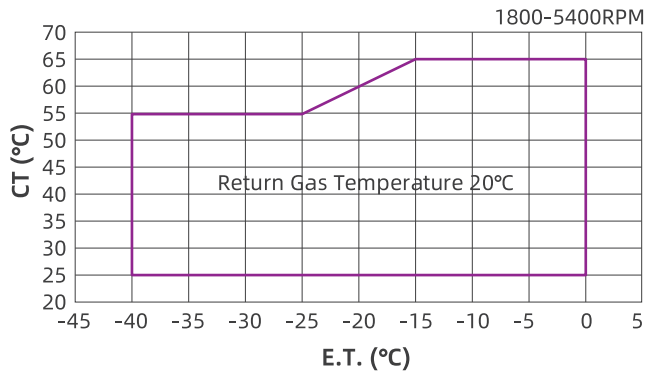
YSF100-125 R404A



YF135-200 R404A



YIF38-72 R404A



Specifications R454C

Model		YF13U1G -Q100	YF17U1G -Q100	YF20U1G -Q100	YF25U1G -Q100	YF29U1G -Q100	YF35U1G -Q100	YF41U1G -Q100	YF45U1G -Q100
Electricity		380-420V/3~/50Hz							
Power in Horse Power (HP)		2	2.5	3	3.5	4	5	6	7
Displacement (cc/rev)		33.3	42	46.6	58	67.8	83.3	98.3	108
Refrigerant		R454C							
Cooling Capacity (W)		1248	1574	1790	2208	2581	3099	3657	4131
Power in Watt (W)		1171	1477	1513	1817	2124	2295	2708	3105
COP (W/W)		1.07	1.07	1.18	1.22	1.22	1.35	1.35	1.33
Running Current (A)		2.9	3.7	3.7	4.8	5.7	6.3	7.4	8.5
LRA (A)		45	45	45	60	60	60	65	85
MOC (A)		4.7	6.3	6.5	8.4	9.4	10.4	11.4	12.4
Crankcase Heater (W)		70							
Fitting Dimensions (mm)	Discharge Tube(ID)	12.80-13.00							
	Suction Tube(ID)	22.29-22.49							
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	2.3							
	Low Side	0.4							
Weight (kg)		29	29	30	31	31	31.8	33	38

E.T. -31.7°C, C.T. 40.6°C, R.G. 18.3°C, No Subcooling

Specifications R455A

Model		YF13U1G -Q100	YF17U1G -Q100	YF20U1G -Q100	YF25U1G -Q100	YF29U1G -Q100	YF35U1G -Q100	YF41U1G -Q100	YF45U1G -Q100
Electricity		380-420V/3~/50Hz							
Power in Horse Power (HP)		2	2.5	3	3.5	4	5	6	7
Displacement (cc/rev)		33.3	42	46.6	58	67.8	83.3	98.3	108
Refrigerant		R455A							
Cooling Capacity (W)		1389	1773	1971	2443	2840	3443	3976	4551
Power in Watt (W)		1188	1480	1538	1853	2225	2337	2790	3291
COP (W/W)		1.17	1.20	1.28	1.32	1.28	1.47	1.43	1.38
Running Current (A)		3	3.7	3.7	4.5	5.7	6	7.3	8.6
LRA (A)		45	45	45	60	60	60	65	85
MOC (A)		4.8	6	6.4	7.4	9.4	9.9	12	15
Crankcase Heater (W)		70							
Fitting Dimensions (mm)	Discharge Tube(ID)	12.80-13.00							
	Suction Tube(ID)	22.29-22.49							
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	2.4							
	Low Side	0.4							
Weight (kg)		29	29	30	31	31	31.8	33	38

E.T. -31.7°C, C.T. 40.6°C, R.G. 18.3°C, No Subcooling

Specifications R404A

Model		YF13E2G-Q102	YF17E2G-Q102	YF20E2G-Q102	YF25E2G-Q100	YF29E2G-Q100	YF35E2G-Q100	YF13E1G-Q100	YF17E1G-Q100	YF20E1G-Q100	YF25E1G-Q100	YF29E1G-Q100
Electricity		220V/1~/50Hz						380-420V/3~/50Hz				
Power in Horse Power (HP)		2	2.5	3	3.5	4	5	2	2.5	3	3.5	4
Displacement (cc/rev)		33.3	42	46.6	58	67.8	83.3	33.3	42	46.6	58	67.8
Refrigerant		R404A										
Cooling Capacity (W)		1386	1770	2079	2695	3145	3731	1386	1770	2079	2695	3145
Power in Watt (W)		1247	1599	1866	2324	2569	3004	1237	1567	1823	2324	2516
COP (W/W)		1.1	1.11	1.11	1.16	1.22	1.24	1.12	1.13	1.14	1.16	1.25
Running Current (A)		6.1	7.8	9.1	10.5	11.9	14.4	2.5	2.9	4.5	5	5.3
LRA (A)		76	76	76	109	109	140	22	22	45	60	60
MOC (A)		13.4	14.2	16.2	20	23.3	26.2	3.8	4.4	5.8	7.5	8.8
Crankcase Heater (W)		70										
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97										
	Suction Tube(ID)	22.35-22.45										
Product Dimensions (mm)	Length (L)	239										
	Width (W)	239										
	Height (H)	418					463	418				
	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	3.2										
	Low Side	2										
Weight (kg)		31	31	31	33	33	38	29	29	30	31	31

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications R404A

Model		YF35E1G-Q100	YF41E1G-Q100	YF45E1G-Q100	YF56E1G-Q100	YF65E1G-Q100	YF72E1G-Q100	YF80E1G-Q100	YF135E1G-V100	YF170E1G-V100	YF200E1G-V100
Electricity		380-420V/3~/50Hz									
Power in Horse Power (HP)		5	6	7	8	9	10	12	16	22	25
Displacement (cc/rev)		83.3	98.3	108	123	145.4	167.2	189.1	265.5	332.8	392
Refrigerant		R404A									
Cooling Capacity (W)		3731	4371	5083	5560	6751	7621	8657	18000	21430	25242
Power in Watt (W)		2889	3358	3704	4560	5193	5862	6614	10800	12309	14499
COP (W/W)		1.29	1.3	1.37	1.22	1.3	1.3	1.31	1.67	1.74	1.74
Running Current (A)		6.6	7	7.3	9.7	10.5	11	12.4	17.9	22.4	26.4
LRA (A)		60	65	85	85	117	117	121	216	266	266
MOC (A)		10.3	12.1	13.2	18	20.1	22.7	25.6	40.2	47.4	57
Crankcase Heater (W)		70			90				120		
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97			22.35-22.45				28.80-28.90		
	Suction Tube(ID)	22.35-22.45			28.83-28.93				41.56-41.66		
Product Dimensions (mm)	Length (L)	239			272				359.8		
	Width (W)	239			248				326.2		
	Height (H)	463			507				671.2		
	Feet Dimensions (Hole)	190.5×190.5(8.8)							232×232(8.8)		
Oil Type		POE									
Initial Charge Volume (L)		1.6			2.7		3		6		
Recharge Volume (L)		1.45			2.55		2.85		5.8		
Max Pressure (MPa)	High Side	3.2							2.9		
	Low Side	2							0.6		
Weight (kg)		32	33	38	53	53	54	54	104	106	106

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications Semi-hermetic R404A

Model		YSF60E1G-V100	YSF65E1G-V100	YSF75E1G-V100	YSF85E1G-V100	YSF90E1G-V100	YSF100E1G-V100	YSF125E1G-V100
Electricity		380-420V/3~/50Hz						
Power in Horse Power (HP)		7	8	9	10	12	13	15
Displacement (cc/rev)		115.5	123	145.4	167.2	189.1	197.1	243.7
Refrigerant		R404A						
Cooling Capacity (W)		6910	7360	8704	10010	11320	11800	13500
Power in Watt (W)		4369	4660	5440	6256	6988	7284	9507
COP (W/W)		1.58	1.58	1.6	1.6	1.62	1.62	1.42
Running Current (A)		9.5	10	10.8	11.9	12.9	13.3	18
LRA (A)		117	117	117	121	121	121	148.5
MOC (A)		17.9	19.1	22.3	25.7	28.8	27	33.4
Crankcase Heater (W)		75						
Fitting Dimensions (mm)	Discharge Tube(ID)	22.50-22.60						
	Suction Tube(ID)	28.65-28.75						35.20-35.30
Product Dimensions (mm)	Length (L)	488						
	Width (W)	361						
	Height (H)	574						581
	Feet Dimensions (Hole)	190.5×190.5(10.2)						
Oil Type		POE						
Initial Charge Volume (L)		3.4						
Recharge Volume (L)		3.25						
Max Pressure (MPa)	High Side	3.2						
	Low Side	2						
Weight (kg)		90	90	91	91	91	91	92

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications R448A R449A

Model		YF13E2G-Q102	YF17E2G-Q102	YF20E2G-Q100	YF25E2G-Q100	YF29E2G-Q100	YF35E2G-Q100	YF13E1G-Q100
Electricity		220V/1~/50Hz						380-420V/3~/50Hz
Power in Horse Power (HP)		2	2.5	3	3.5	4	5	2
Displacement (cc/rev)		33.3	42	46.6	58	67.8	83.3	33.3
Refrigerant		R448A R449A						
Cooling Capacity (W)		1315	1679	1972	2556	2915	3458	1311
Power in Watt (W)		1211	1553	1812	2257	2395	2800	1220
COP (W/W)		1.09	1.08	1.09	1.13	1.22	1.24	1.07
Running Current (A)		5.6	7.2	8.4	10.5	11.1	13	2.6
LRA (A)		76	76	76	109	109	140	22
MOC (A)		10.8	13.9	16.2	20.2	23.9	27.9	4.4
Crankcase Heater (W)		70						
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97						
	Suction Tube(ID)	22.35-22.45						
Product Dimensions (mm)	Length (L)	239						
	Width (W)	239						
	Height (H)	418					463	418
	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	3.2						
	Low Side	2						
Weight (kg)		31	31	31	33	33	38	29

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications R448A R449A

Model		YF17E1G-Q100	YF20E1G-Q100	YF25E1G-Q100	YF29E1G-Q100	YF35E1G-Q100	YF41E1G-Q100	YF45E1G-Q100
Electricity		380-420V/3~/50Hz						
Power in Horse Power (HP)		2.5	3	3.5	4	5	6	7
Displacement (cc/rev)		42	46.6	58	67.8	83.3	98.3	108
Refrigerant		R448A R449A						
Cooling Capacity (W)		1675	1967	2550	2915	3458	4051	4480
Power in Watt (W)		1546	1798	2292	2417	2775	3225	3475
COP (W/W)		1.08	1.09	1.11	1.21	1.25	1.26	1.29
Running Current (A)		3.4	3.9	4.6	5.2	5.8	6.4	7
LRA (A)		22	45	60	60	60	65	65
MOC (A)		5.6	6.5	8.3	9.2	10.6	11.8	12.6
Crankcase Heater (W)		70						
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97						
	Suction Tube(ID)	22.35-22.45						
Product Dimensions (mm)	Length (L)	239						
	Width (W)	239						
	Height (H)	418				463		
	Feet Dimensions (Hole)	190.5x190.5(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	3.2						
	Low Side	2						
Weight (kg)		29	30	31	31	32	32	33

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications R452A

Model		YF13E2G-Q102	YF17E2G-Q102	YF20E2G-Q100	YF25E2G-Q100	YF29E2G-Q100	YF35E2G-Q100	YF13E1G-Q100
Electricity		220V/1~/50Hz						380-420V/3~/50Hz
Power in Horse Power (HP)		2	2.5	3	3.5	4	5	2
Displacement (cc/rev)		33.3	42	46.6	58	67.8	83.3	33.3
Refrigerant		R452A						
Cooling Capacity (W)		1386	1770	2079	2695	3145	3731	1386
Power in Watt (W)		1247	1599	1866	2324	2569	3004	1237
COP (W/W)		1.1	1.11	1.11	1.16	1.22	1.24	1.12
Running Current (A)		6.1	7.8	9.1	10.5	11.9	14.4	2.5
LRA (A)		76	76	76	109	109	140	22
MOC (A)		13.4	14.2	16.2	20	23.3	26.2	3.8
Crankcase Heater (W)		70						
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97						
	Suction Tube(ID)	22.35-22.45						
Product Dimensions (mm)	Length (L)	239						
	Width (W)	239						
	Height (H)	418					463	418
	Feet Dimensions (Hole)	190.5x190.5(8.8)						
Oil Type		POE						
Initial Charge Volume (L)		1.4						
Recharge Volume (L)		1.25						
Max Pressure (MPa)	High Side	3.2						
	Low Side	2						
Weight (kg)		31	31	31	33	33	38	29

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications R452A

Model		YF17E1G-Q100	YF20E1G-Q100	YF25E1G-Q100	YF29E1G-Q100	YF35E1G-Q100	YF41E1G-Q100	YF45E1G-Q100
Electricity		380-420V/3~/50Hz						
Power in Horse Power (HP)		2.5	3	3.5	4	5	6	7
Displacement (cc/rev)		42	46.6	58	67.8	83.3	98.3	108
Refrigerant		R452A						
Cooling Capacity (W)		1770	2079	2695	3145	3731	4371	5083
Power in Watt (W)		1567	1823	2324	2516	2889	3358	3704
COP (W/W)		1.13	1.14	1.16	1.25	1.29	1.3	1.37
Running Current (A)		2.9	4.5	5	5.3	6.6	7	7.3
LRA (A)		22	45	60	60	60	65	85
MOC (A)		4.4	5.8	7.5	8.8	10.3	12.1	13.2
Crankcase Heater (W)		70						
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97						
	Suction Tube(ID)	22.35-22.45						
Product Dimensions (mm)	Length (L)	239						
	Width (W)	239						
	Height (H)	418				463		
	Feet Dimensions (Hole)	190.5x190.5(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	3.2						
	Low Side	2						
Weight (kg)		29	30	31	31	32	32	33

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling

Specifications Variable Speed R404A

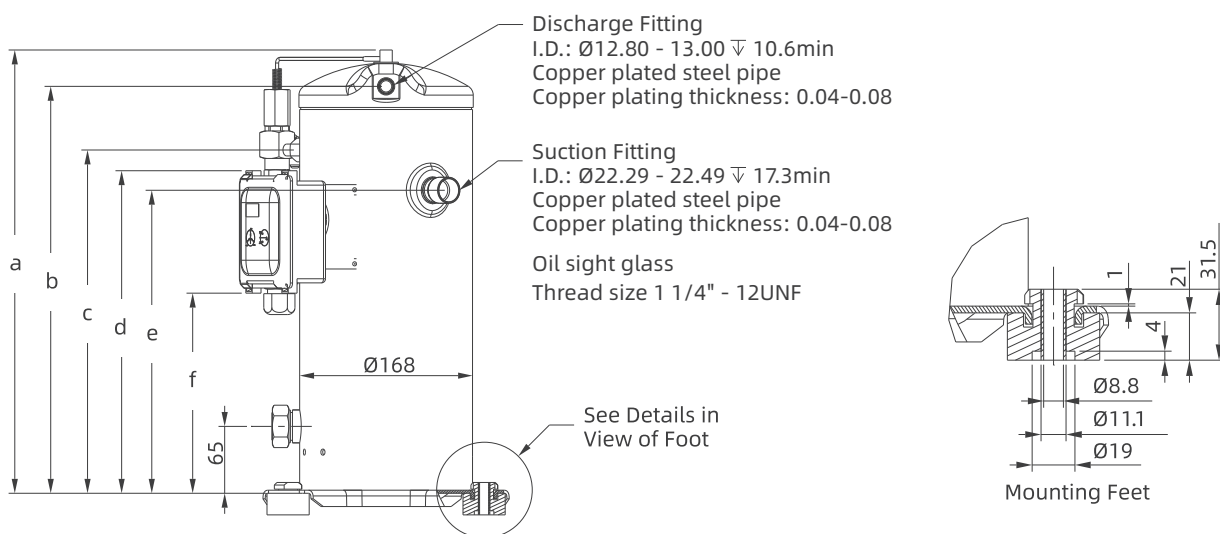
Model		YIF38E1G-Q100	YIF42E1G-Q100	YIF50E1G-Q100	YIF60E1G-Q100	YIF72E1G-Q100
Power Input to Inverter Driver		380-420V/3~/50Hz or 60Hz				
Displacement (cc/rev)		38	42	50	60	72
Refrigerant		R404A				
Cooling Capacity (W)		2616	2792	3488	4003	4813
Power in Watt (W)		2454	2533	3440	3955	4746
COP (W/W)		1.07	1.10	1.01	1.01	1.01
Running Current (A)		4.2	4.6	5.5	6.1	7.3
MOC (A)		8.7	9.6	11.5	13.7	16.5
Rated Motor Speed (RPM)		4500				
Running Speed (RPM)		1800-5400				
Crankcase Heater (W)		70				
Fitting Dimensions (mm)	Discharge Tube(ID)	12.87-12.97				
	Suction Tube(ID)	22.35-22.45				
Product Dimensions (mm)	Length (L)	239				
	Width (W)	239				
	Height (H)	419				
	Feet Dimensions (Hole)	190.5x190.5(8.8)				
Oil Type		POE				
Initial Charge Volume (L)		1.4				
Recharge Volume (L)		1.25				
Max Pressure (MPa)	High Side	3.2				
	Low Side	2				
Weight (kg)		29.0	29.0	29.0	29.0	31.0

E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling @4500 RPM

Model	YIF38E1G-Q100	YIF42E1G-Q100	YIF50E1G-Q100	YIF60E1G-Q100	YIF72E1G-Q100
Motor Speed (RPM)	1800				
Cooling Capacity (W)	971	1036	1294	1485	1786
Power in Watt (W)	1134	1170	1589	1827	2193
Motor Speed (RPM)	3600				
Cooling Capacity (W)	2093	2234	2790	3202	3850
Power in Watt (W)	1963	2026	2752	3164	3797
Motor Speed (RPM)	5400				
Cooling Capacity (W)	3134	3345	4179	4796	5766
Power in Watt (W)	2908	3002	4076	4687	5624

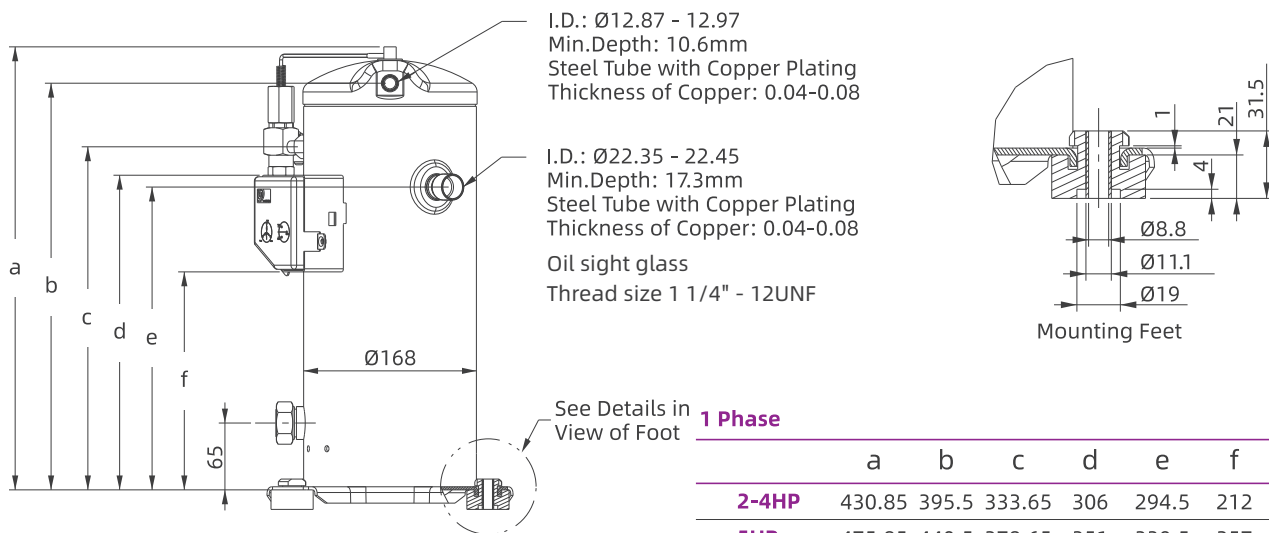
E.T. -31.6°C, C.T. 40.6°C, R.G. 4.4°C, No Subcooling @1800 RPM, 3600 RPM & 5400 RPM

Dimensions Liquid Injection 2-7HP R454C R455A



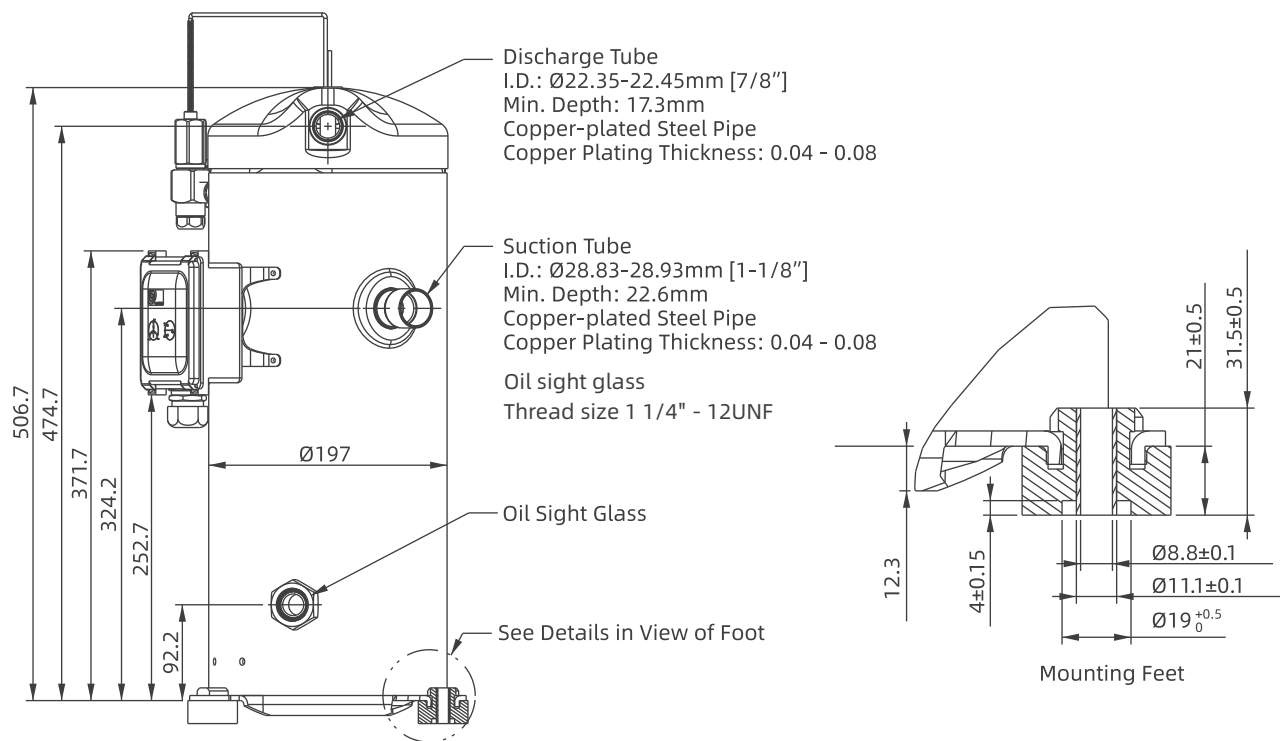
	a	b	c	d	e	f
2-4HP	430.85	395.5	333.65	313.5	294.5	194.5
5-7HP	475.85	440.5	378.65	358.5	339.5	239.5

Dimensions Liquid Injection 2-7HP

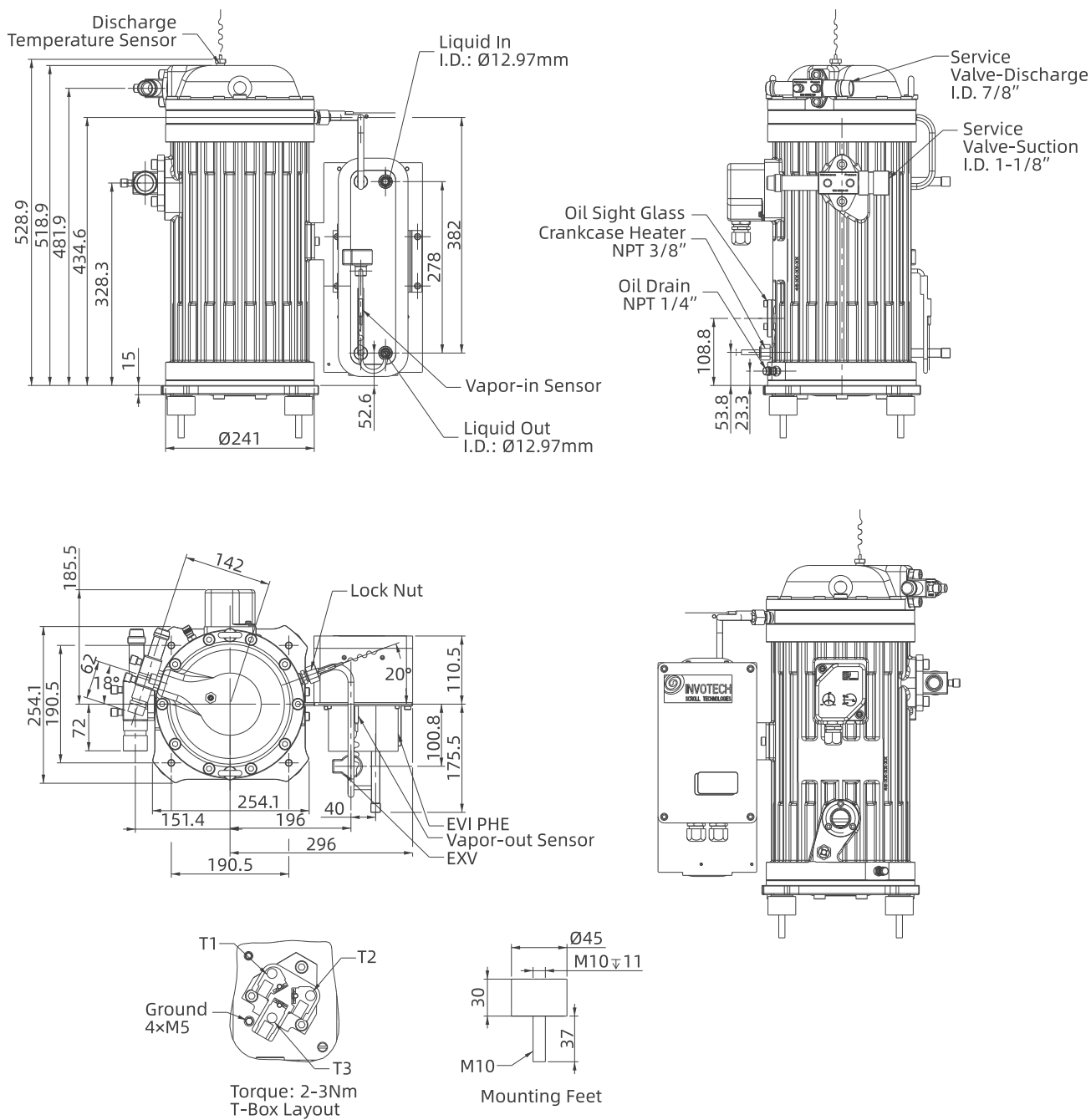


1 Phase						
	a	b	c	d	e	f
2-4HP	430.85	395.5	333.65	306	294.5	212
5HP	475.85	440.5	378.65	351	339.5	257
3 Phase						
	a	b	c	d	e	f
2-4HP	430.85	395.5	333.65	306	294.5	212
5-7HP	475.85	440.5	378.65	351	339.5	257

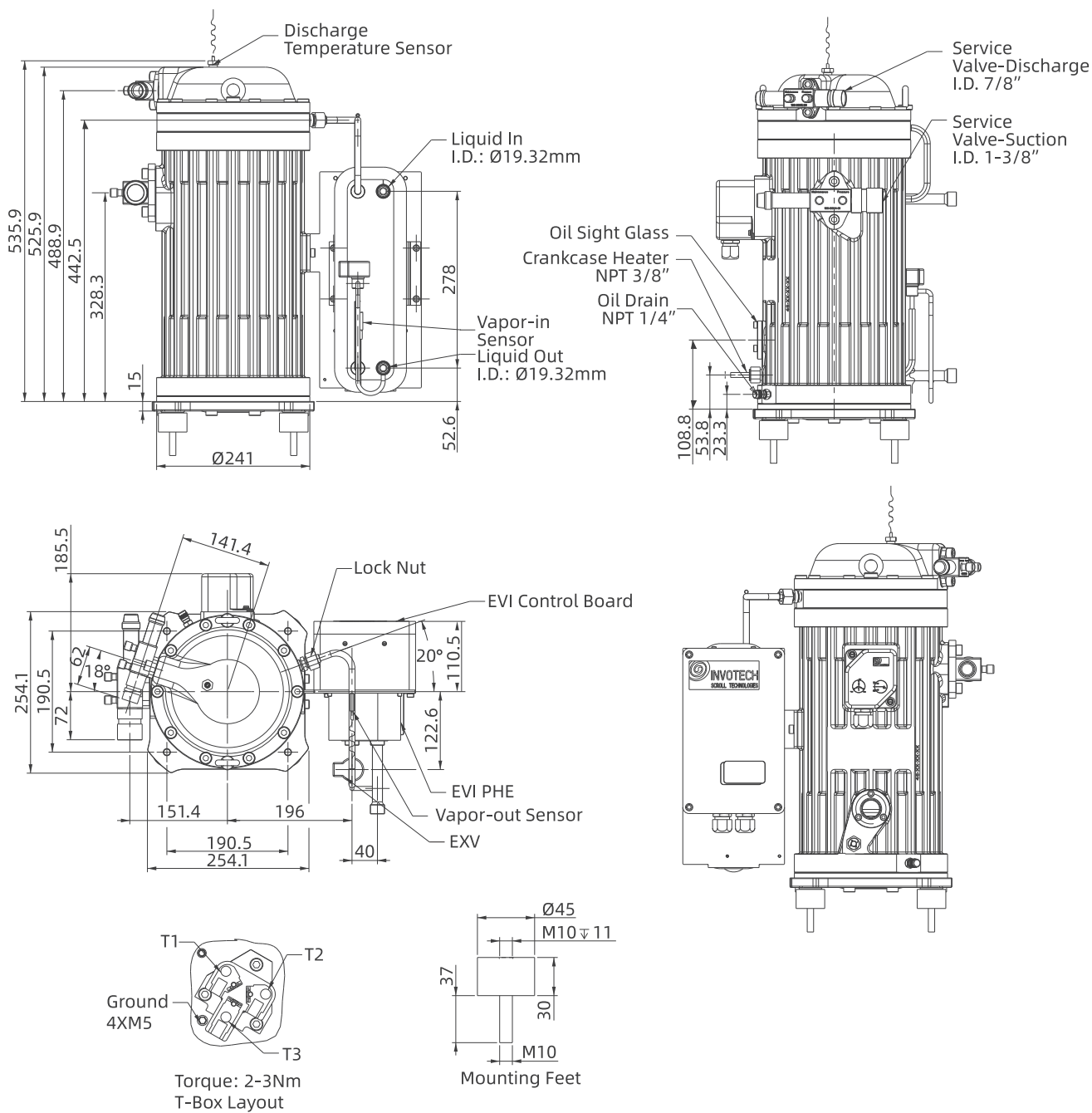
Dimensions Liquid Injection 8-12HP



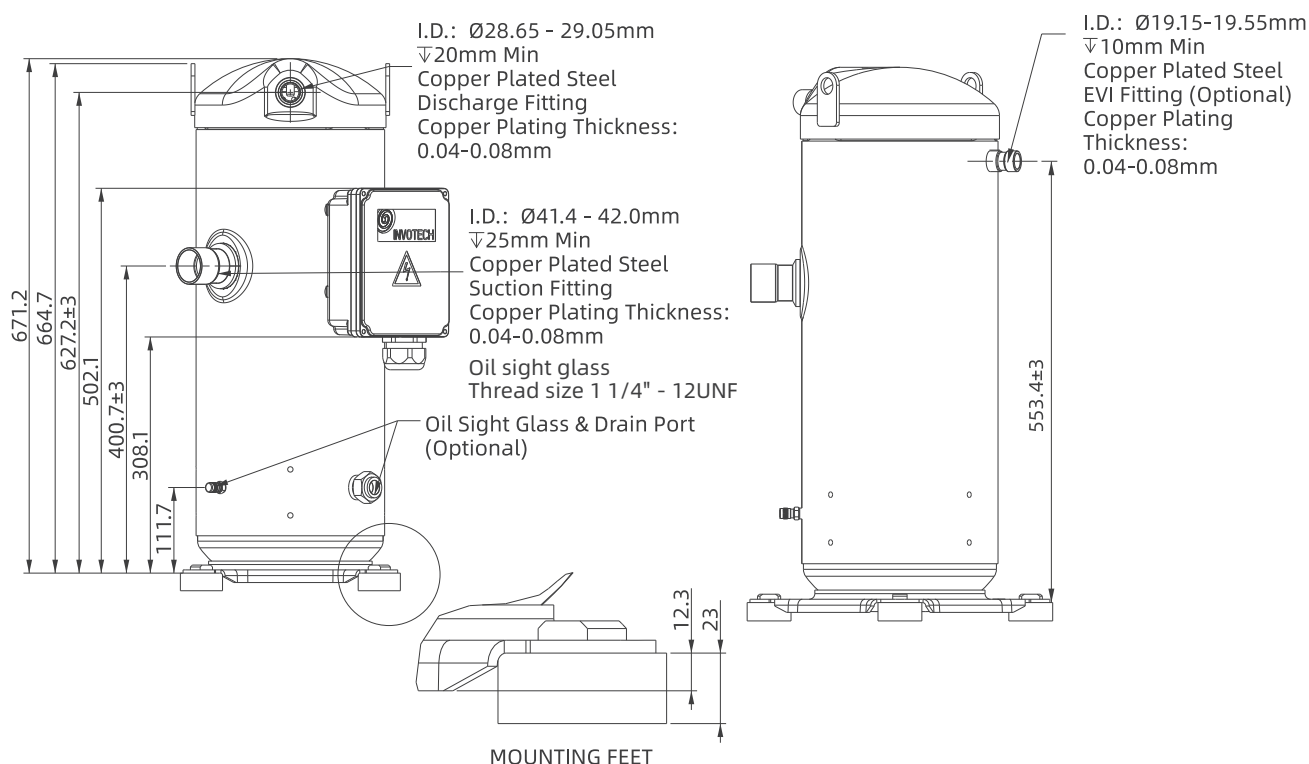
Dimensions Vapor Injection YSF60-YSF100



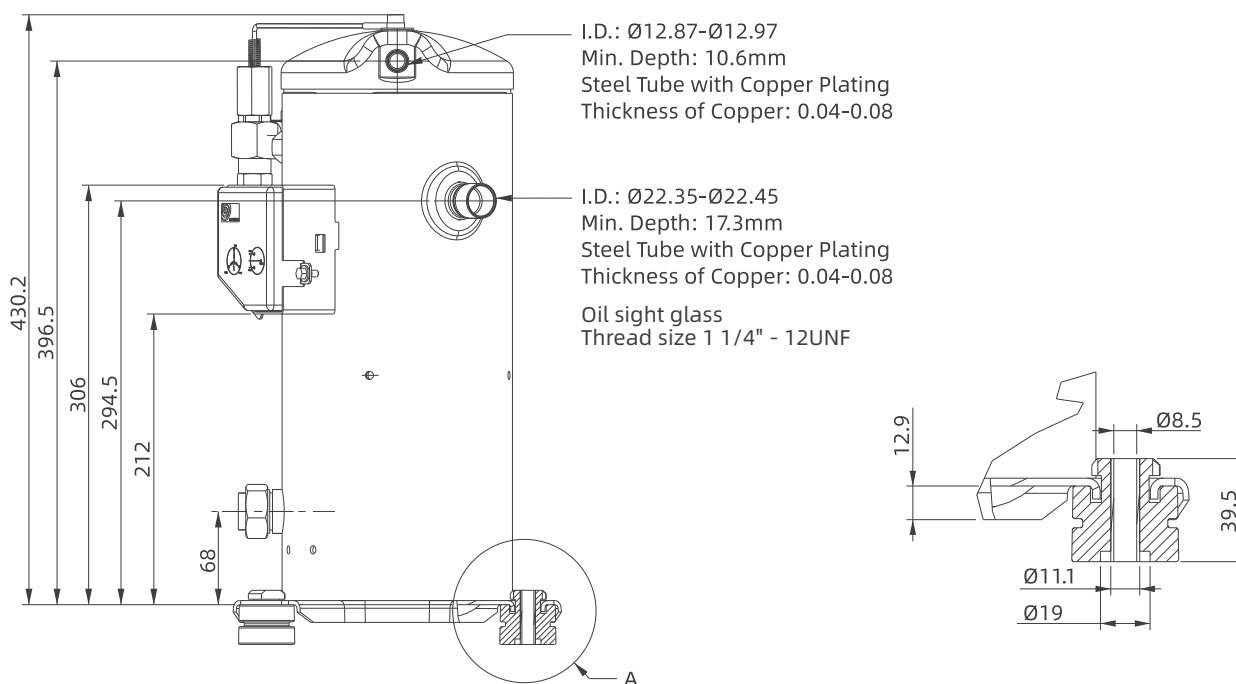
Dimensions Vapor Injection YSF125



Dimensions Vapor Injection 16-25HP



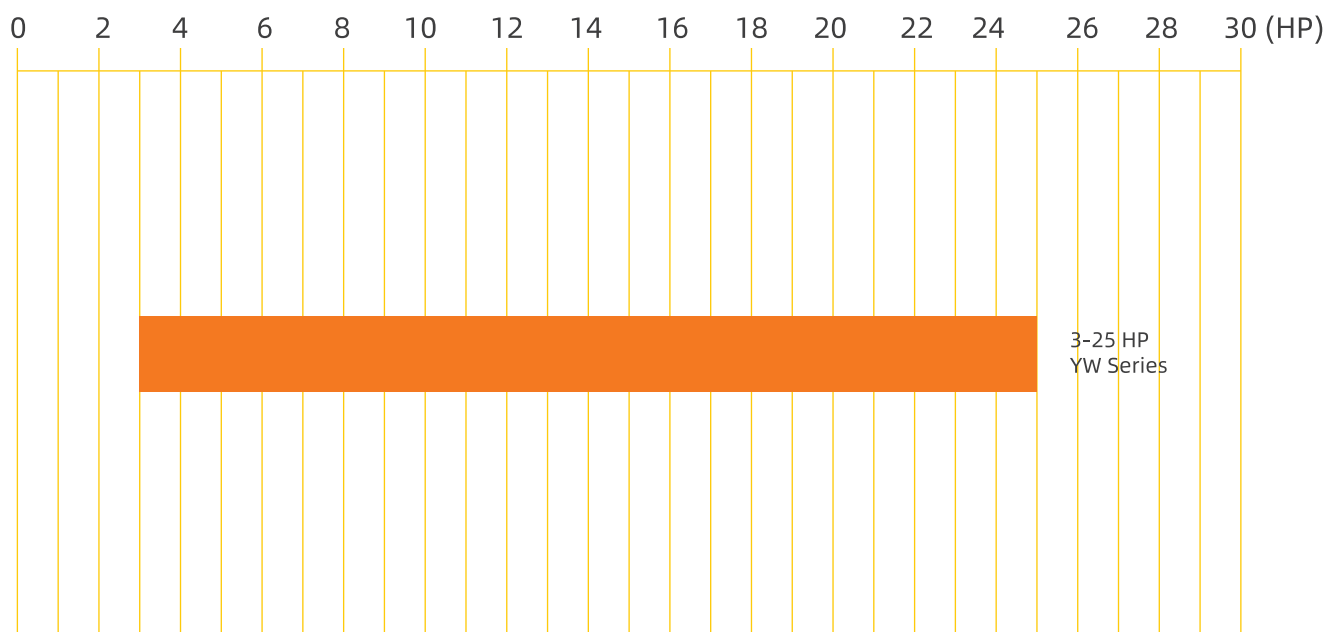
Dimensions Variable Speed YIF38-72



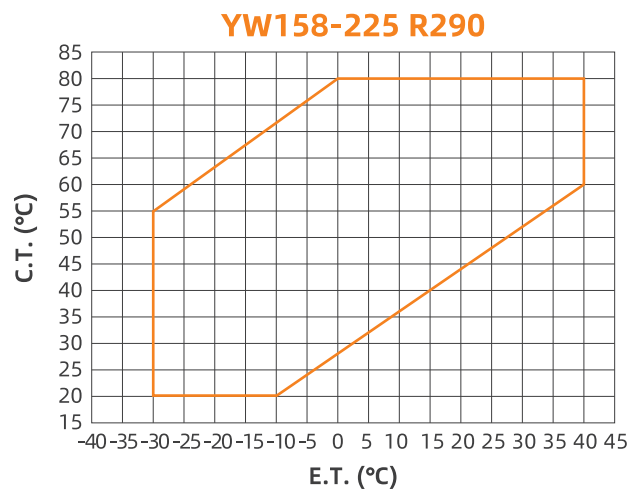
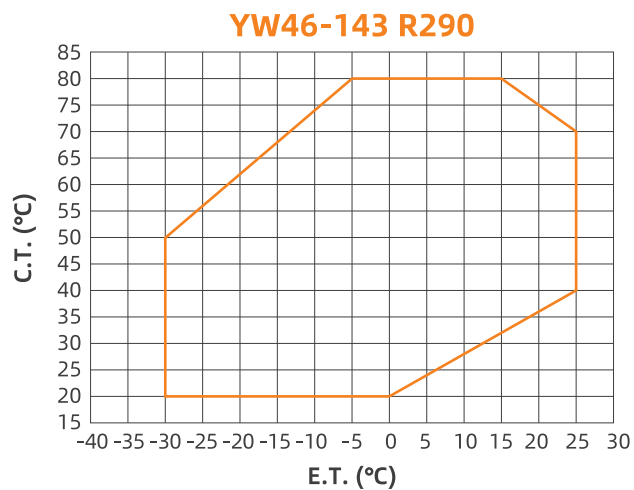
SCROLL COMPRESSORS FOR HEAT PUMPS



Product Line-up

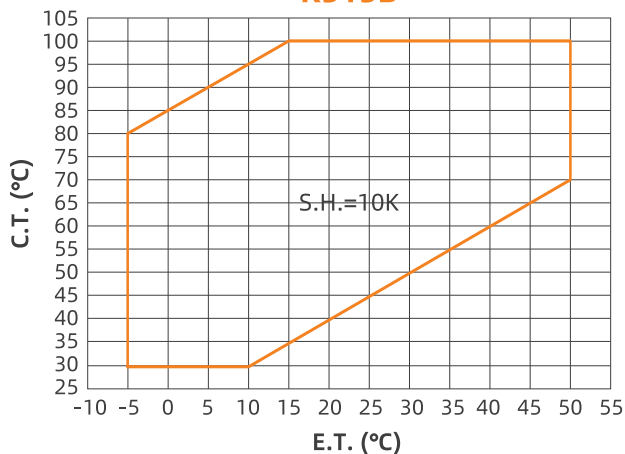


Operating Envelope

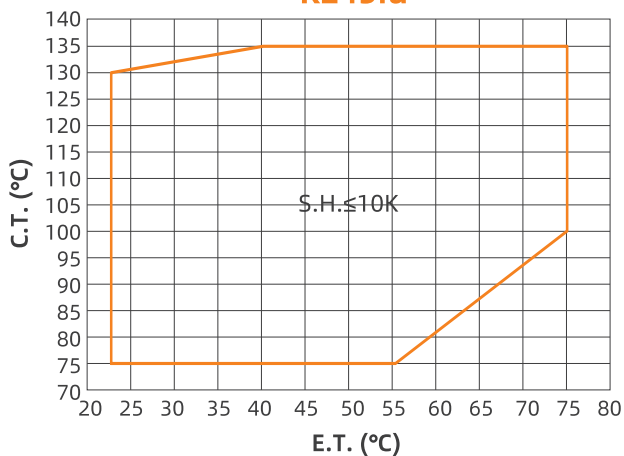


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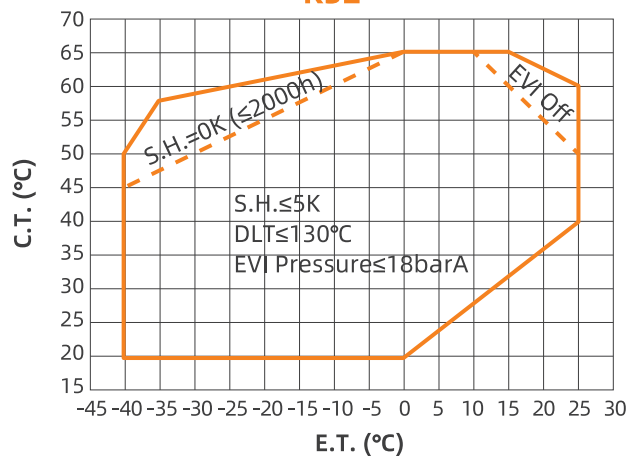
R515B



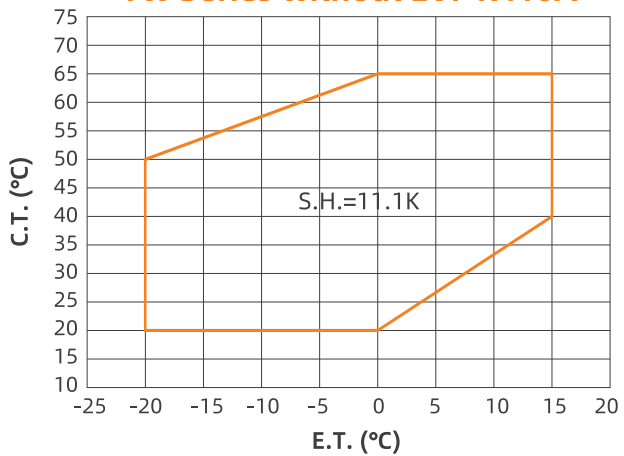
R245fa



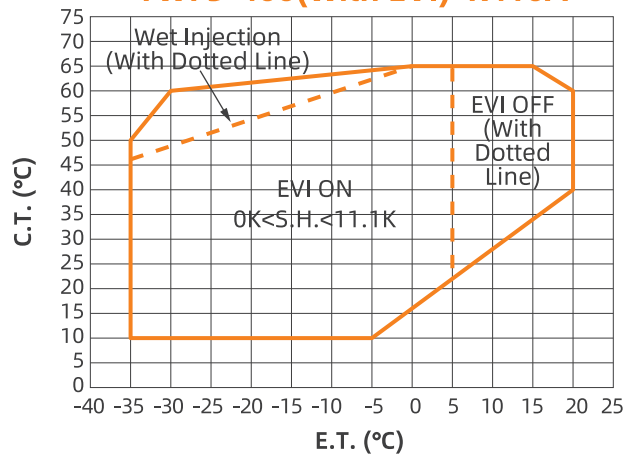
R32



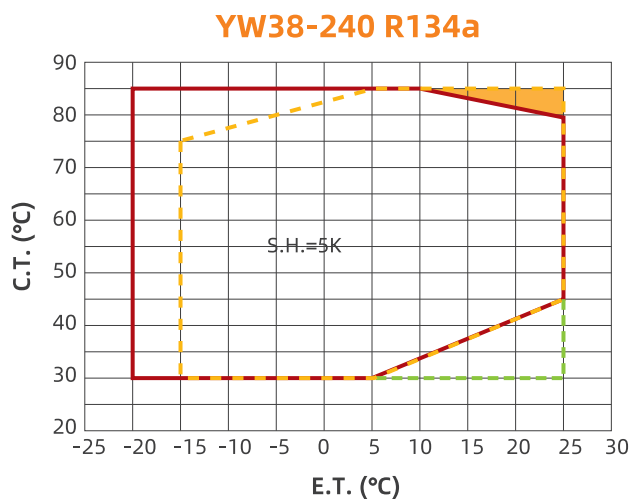
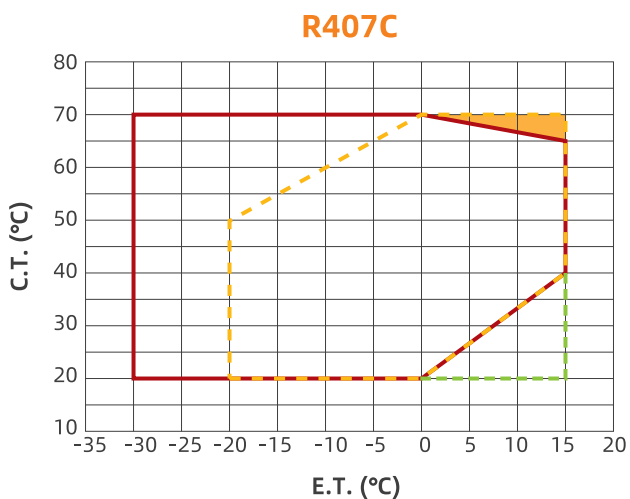
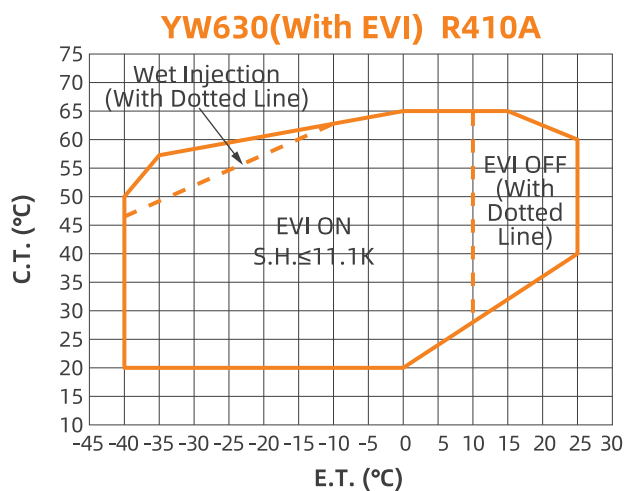
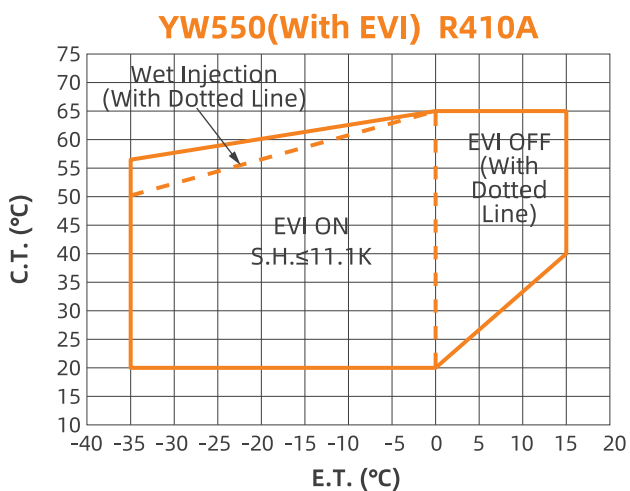
YW Series without EVI R410A



YW75-400(With EVI) R410A

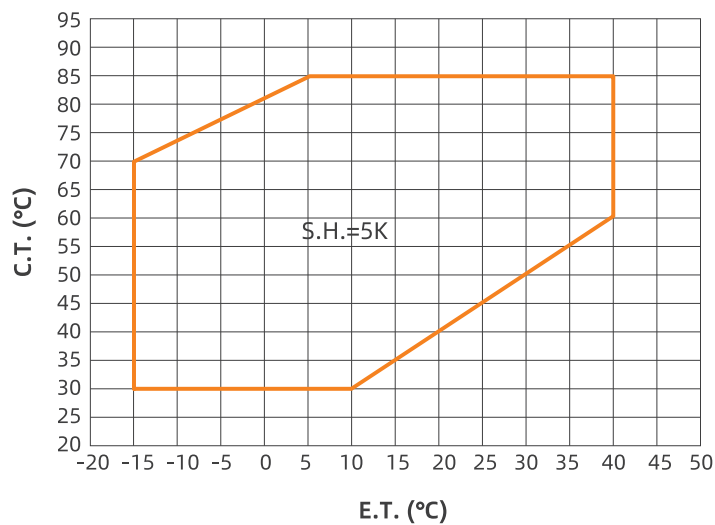


Operating Envelope

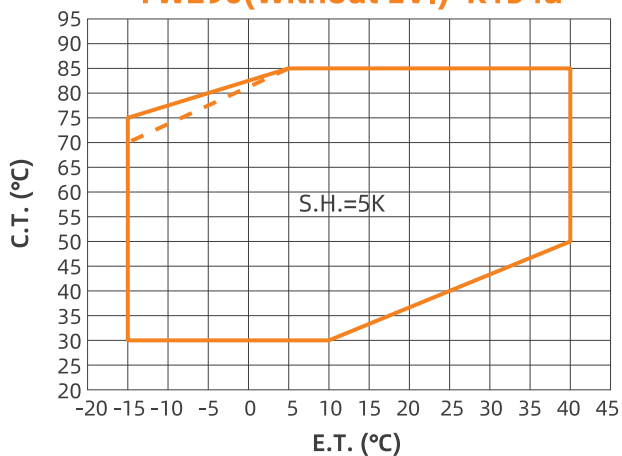


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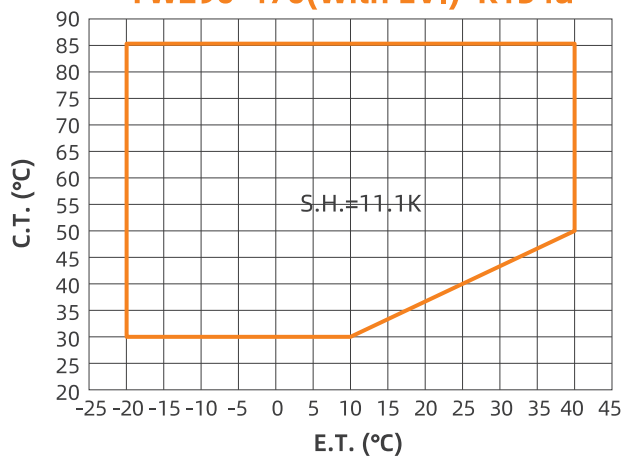
YW265/315/390/470(Without EVI) R134a



YW290(Without EVI) R134a



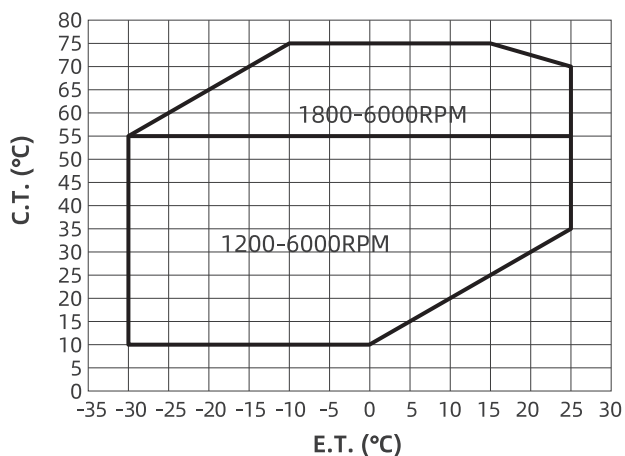
YW290-470(With EVI) R134a



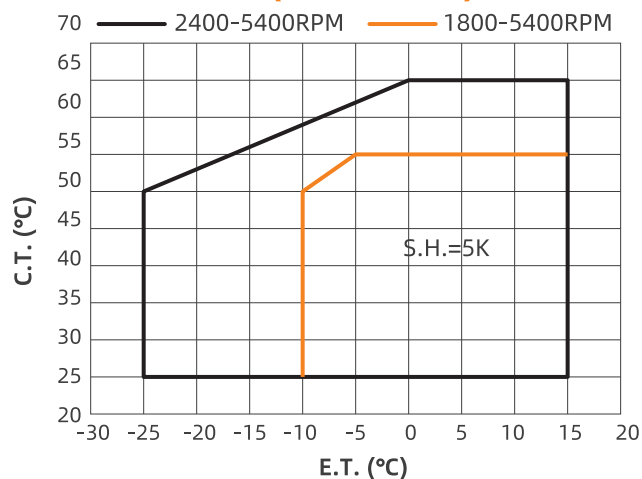
Running time during the dotted line on the upper left should be less than 2000h.

Operating Envelope

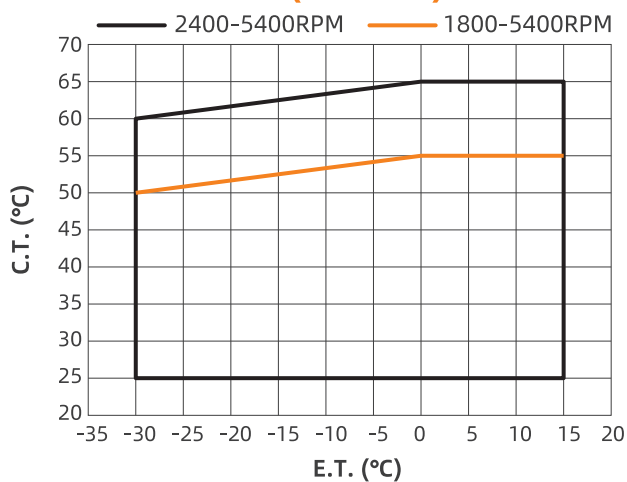
YIW38-72 R290



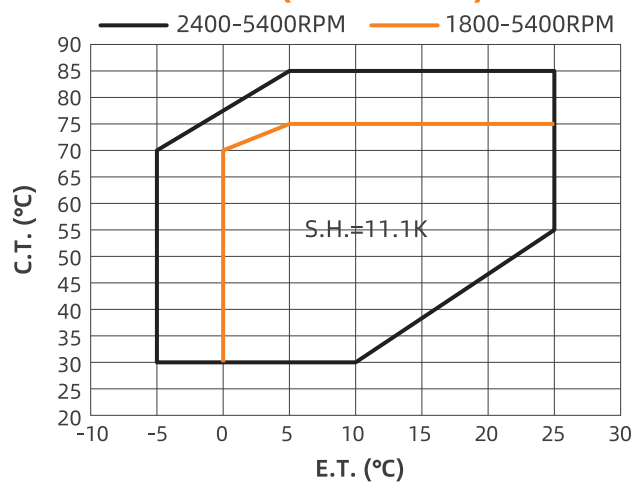
YIW38-72(Without EVI) R410A



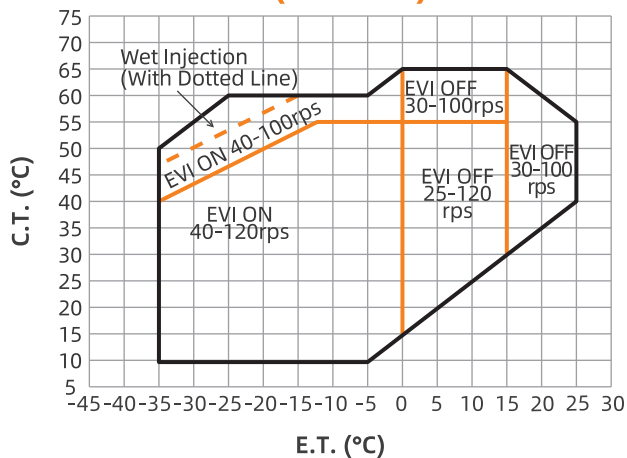
YIW38-72(With EVI) R410A



YIW60-72(Without EVI) R134a



YIW130(With EVI) R410A



Specifications R290

Model		YW46P1 -100	YW55P1 -100	YW62P1 -100	YW78P1 -100	YW91P1 -100	YW110 P1-100	YW130 P1-100	YW143 P1-100	YW158 P1-100	YW167 P1-100	YW200 P1-100	YW225 P1-100
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(ID)	1/2								7/8			
	Suction Tube(ID)	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

Specifications R515B R245fa

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(ID)		1 1/8
	Suction Tube(ID)		1 5/8
Product Dimensions (mm)	Length (L)		359.8
	Width (W)		326.2
	Height (H)		671.2
	Feet Dimensions (Hole)		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		2.6
	Low Side		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

Specifications R410A

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(ID)	1/2						
	Suction Tube(ID)	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

Specifications R410A

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(ID)	7/8						1 1/8	
	Suction Tube(ID)	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

Specifications Vapor Injection R410A

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(ID)	1/2								
	Suction Tube(ID)	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

Specifications Vapor Injection R410A & R32

Model		YW245C1 ~V100	YW270C1 ~V100	YW300C1 ~V100	YW320C1 ~V100	YW340C1 ~V105	YW400C1 ~V105	YW550C1 ~V100	YW630C1 ~V100*	YW630D1 ~V100	
Electricity		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			
Fitting Dimensions (Inch)	Discharge Tube(ID)	7/8						1 1/8			
	Suction Tube(ID)	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			4.0		5.5	6		
Recharge Volume (L)		2.55	2.85			3.8		5.3	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

Specifications R407C

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(ID)	1/2						
	Suction Tube(ID)	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

Specifications R407C

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

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

Specifications Vapor Injection R407C

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(ID)	1/2							
	Suction Tube(ID)	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

Specifications Vapor Injection R407C

Model		YW205T1-V100	YW245T1-V100	YW285T1-V100	YW320T1-V100
Electricity		380-420V/3~/50Hz			
Power in Horse Power (HP)		8	9	10	12
Displacement (m³/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(ID)	7/8			
	Suction Tube(ID)	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

Specifications R134a

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(ID)	1/2								
	Suction Tube(ID)	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

Specifications R134a

Model		YW180J1 -100	YW200J1 -100	YW240J1 -100	YW265J1 -105*	YW290J1 -100	YW315J1 -100	YW390J1 -100*	YW470J1 -100*
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	36.5	42.8	46.2	57.9	68.2
Refrigerant		R134a							
Heating Capacity (W)		23450	25540	29220	32471	38050	41200	49357	56776
Power in Watt (W)		5450	5940	6720	11173	8960	9770	16340	18738
COP (W/W)		4.30	4.30	4.35	2.9	4.25	4.22	3.02	3.03
Running Current (A)		11	11.6	12.5	19.8	17.5	20.5	29	33.2
LRA (A)		117	121	121	148.5	170	216	266	266
MOC (A)		18.8	20.3	24	33	36.2	37.5	47	47
Crankcase Heater (W)		90				120			
Fitting Dimensions (Inch)	Discharge Tube(ID)	7/8				1 1/8			
	Suction Tube(ID)	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	611.2	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	4.2	5.5		
Recharge Volume (L)		2.55	2.85		3.45	4	5.3		
Max Pressure (MPa)	High Side	3.0							
	Low Side	2.0							
Weight (kg)		53	54	54	57	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

Specifications Vapor Injection R134a

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(ID)	1/2							
	Suction Tube(ID)	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

Specifications Vapor Injection R134a

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

Specifications Variable Speed R290

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(ID)	1/2				
	Suction Tube(ID)	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

Specifications Variable Speed R410A

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(ID)	1/2							1 1/8
	Suction Tube(ID)	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 @4500 RPM

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

Specifications Variable Speed R134a

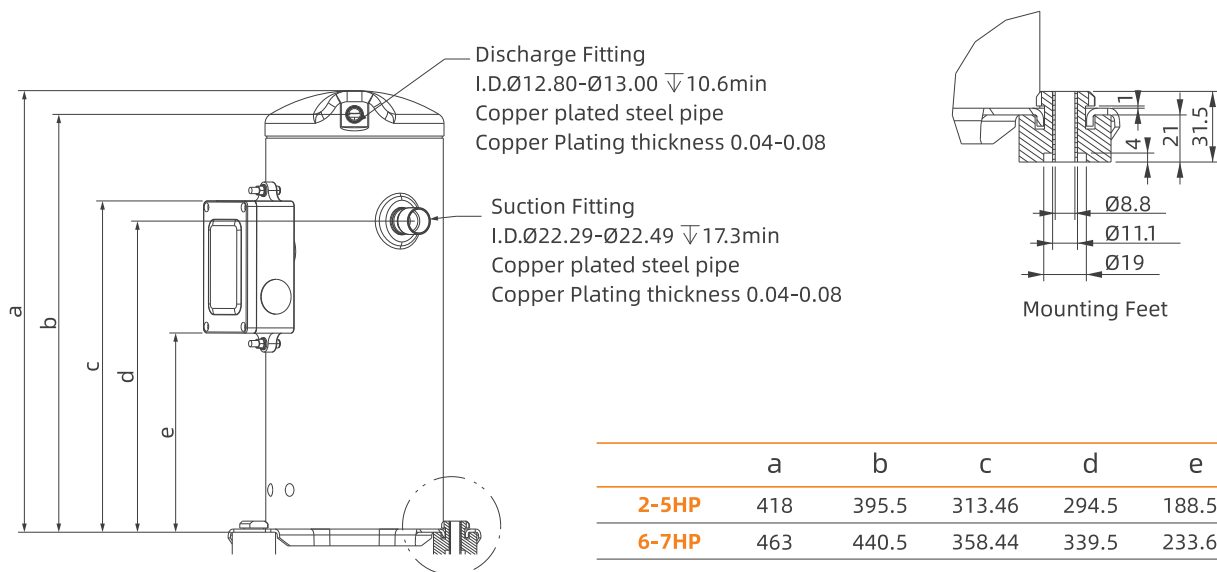
Model		YIW60J2G-100	YIW72J2G-100	YIW60J1G-100	YIW72J1G-100
Power Input to Inverter Driver		220V/1~/50Hz		380-420V/3~/50Hz or 60Hz	
Displacement (cc/rev)		38	42	60	72
Refrigerant		R134a			
Heating Capacity (W)		14431	17340	14421	16933
Power in Watt (W)		3560	4286	3510	4139
COP (W/W)		4.05	4.05	4.11	4.09
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(ID)	1/2			
	Suction Tube(ID)	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

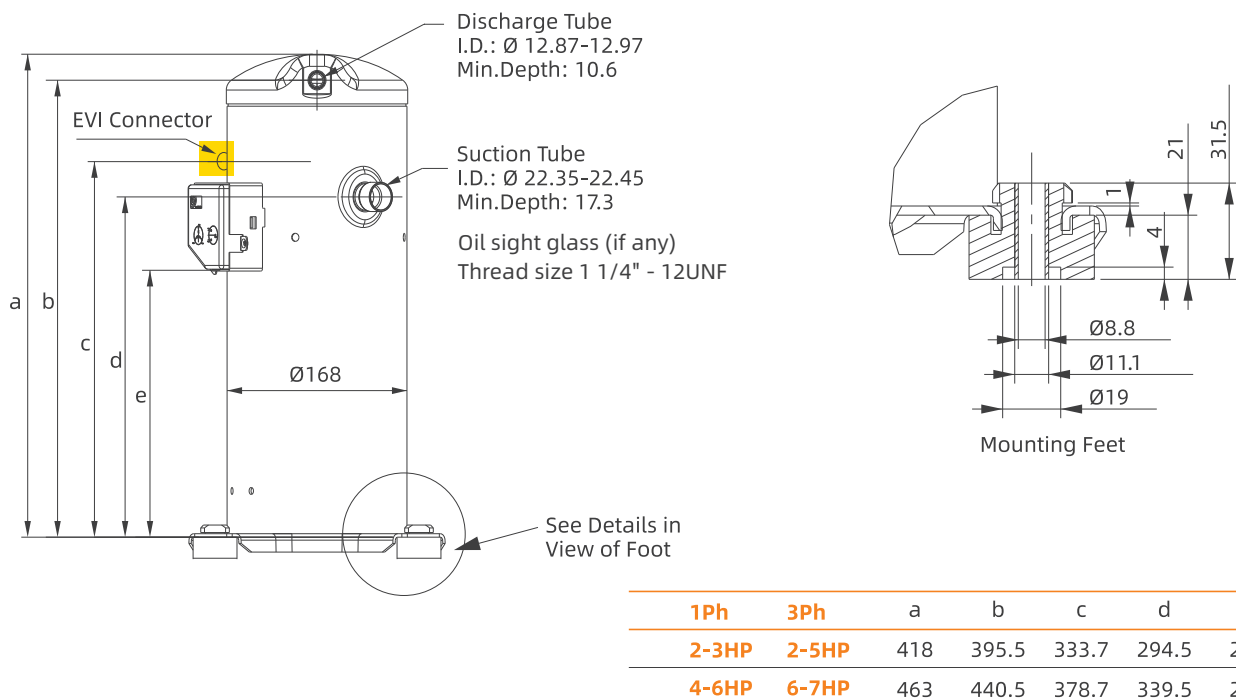
Model		YIW60J2G-100	YIW72J2G-100	YIW60J1G-100	YIW72J1G-100
Motor Speed (RPM)		1800			
Heating Capacity (W)		5758	6919	5754	6756
Power in Watt (W)		1410	1697	1390	1639
Motor Speed (RPM)		3600			
Heating Capacity (W)		11357	13647	11349	13326
Power in Watt (W)		2780	3347	2741	3233
Motor Speed (RPM)		5400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

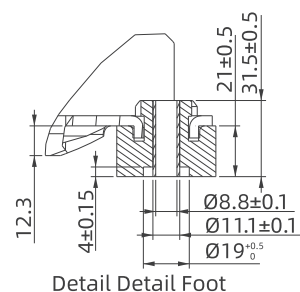
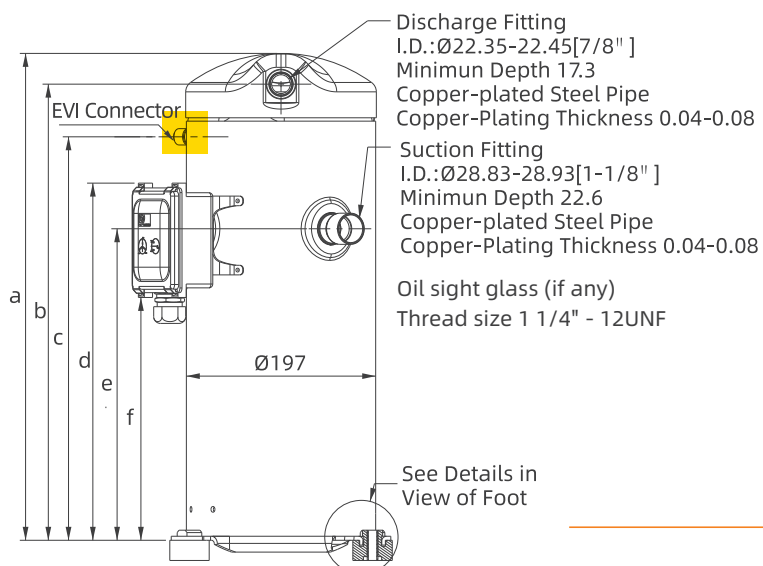
Dimensions R290 2-7HP



Dimensions 2-7HP

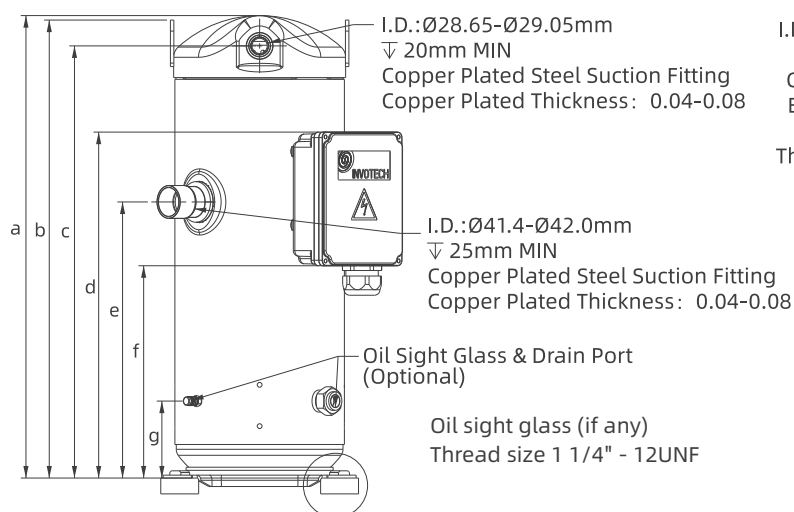


Dimensions 8-15HP

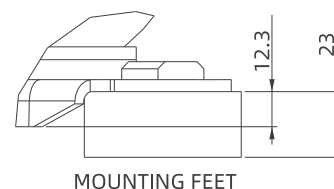
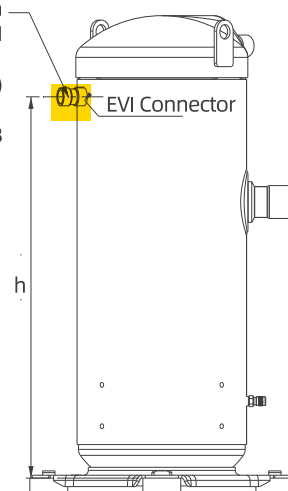


	a	b	c	d	e	f
8-12HP	506.7	474.7	419.9	371.7	324.2	252.7
13HP/YW400C	556.7	524.7	469.9	421.7	374.2	302.7

Dimensions 15-25HP

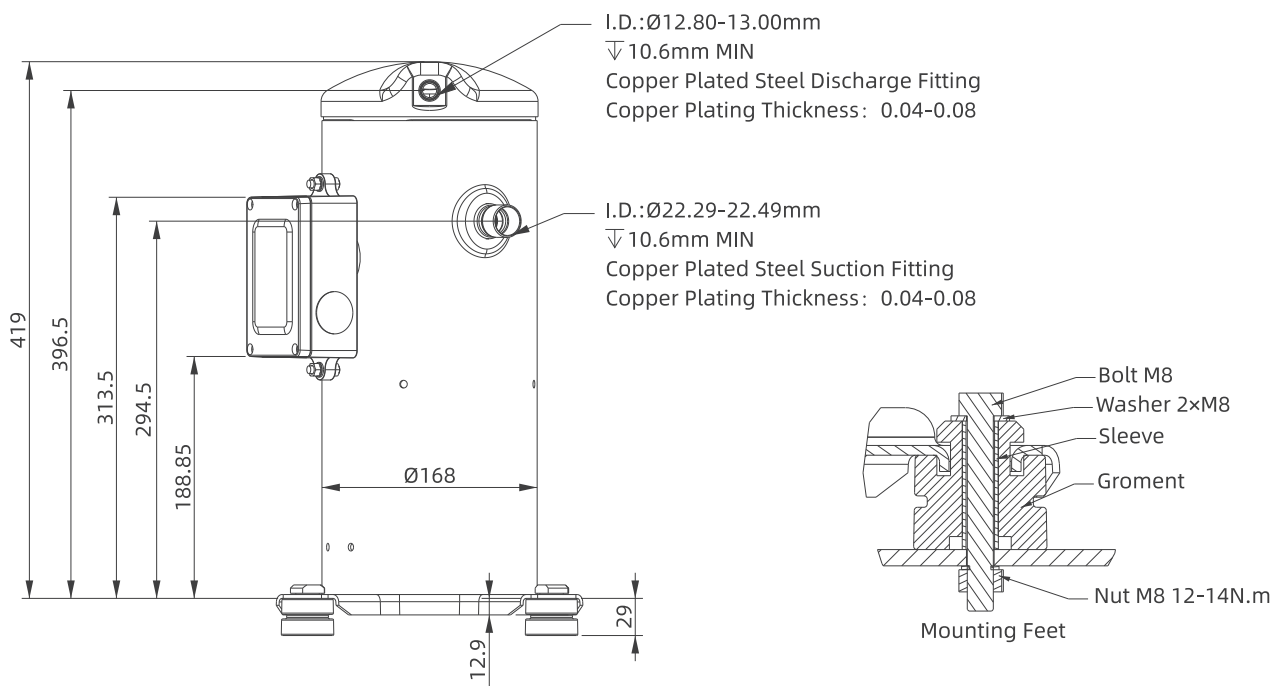


I.D.: Ø19.15-19.55mm
10mm MIN
Copper Plated Steel EVI Fitting(Optional)
Copper Plated Thickness: 0.04-0.08

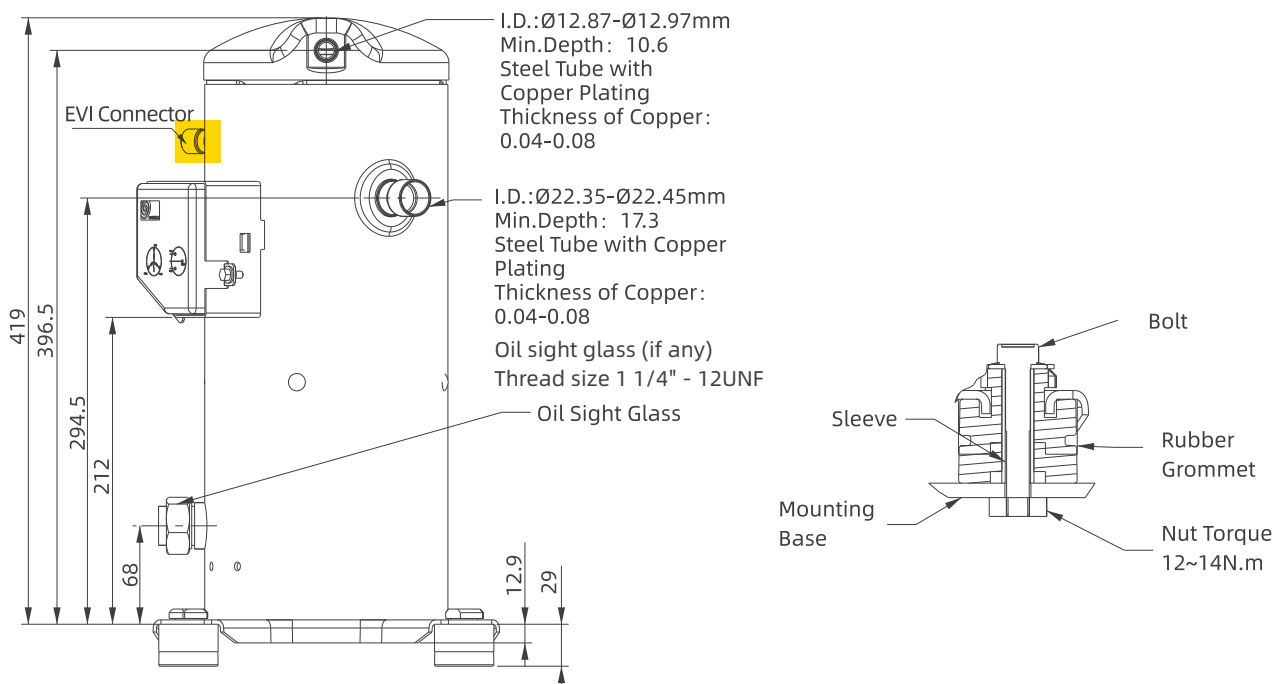


	a	b	c	d	e	f	g	h
15HP Excluding YW400C	611.2	604.7	567.2	442.1	340.7	248.1	83.7	493.4
17-25HP	671.2	664.7	627.2	502.1	400.7	308.1	111.7	553.4

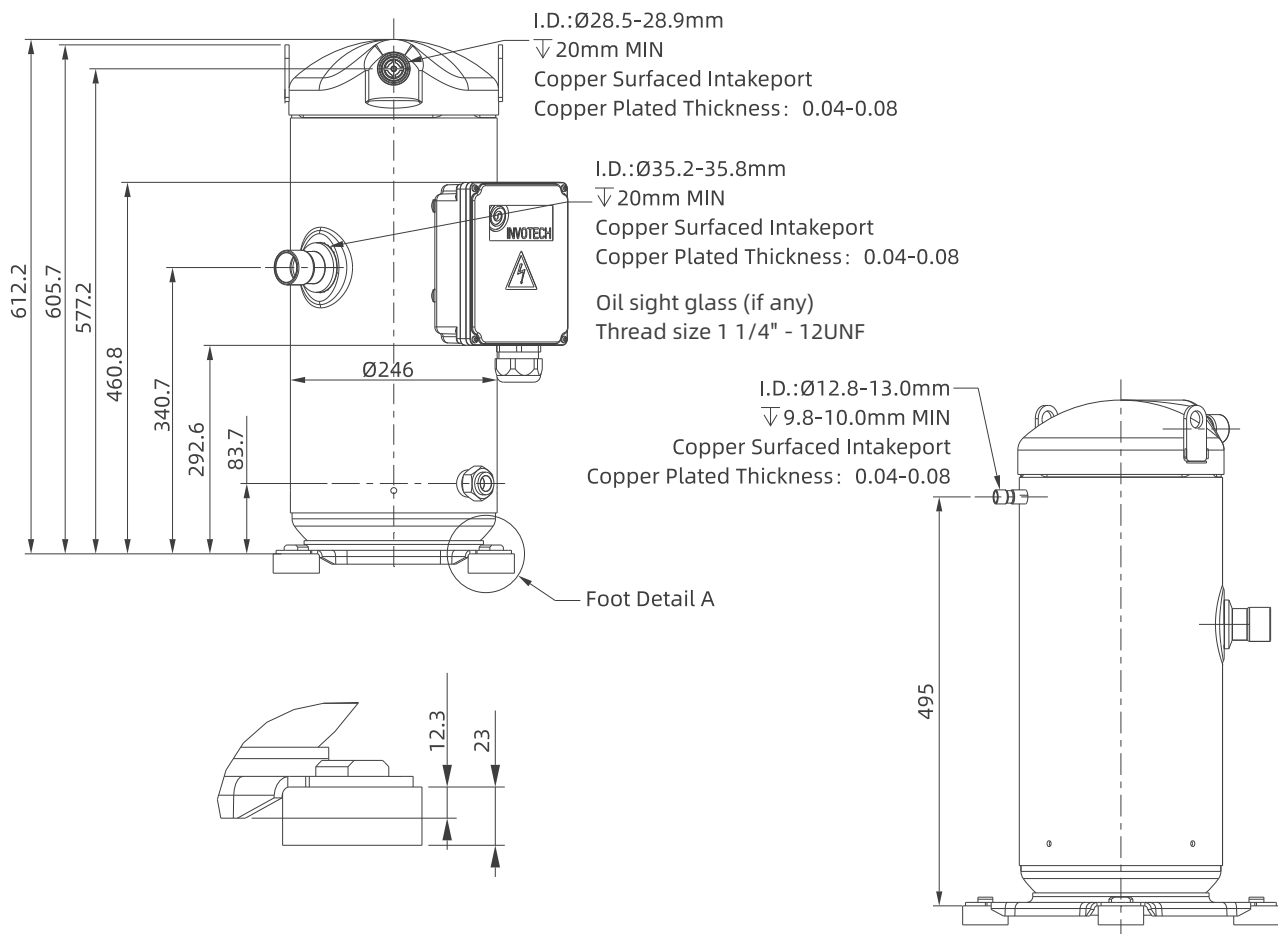
Dimensions Variable Speed R290 YIW38-72



Dimensions Variable Speed YIW38-72



Dimensions Variable Speed YIW130





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Every effort has been made to provide accurate descriptions and data.
However, due to the continuing process of product improvement and evolution,
all information in this brochure is subject to change without notification.