



NEWEX

Experience New

NEWEX INTERNATIONAL CO., LTD

PHILEXI is a trademark of NEWEX INTERNATIONAL CO., LTD

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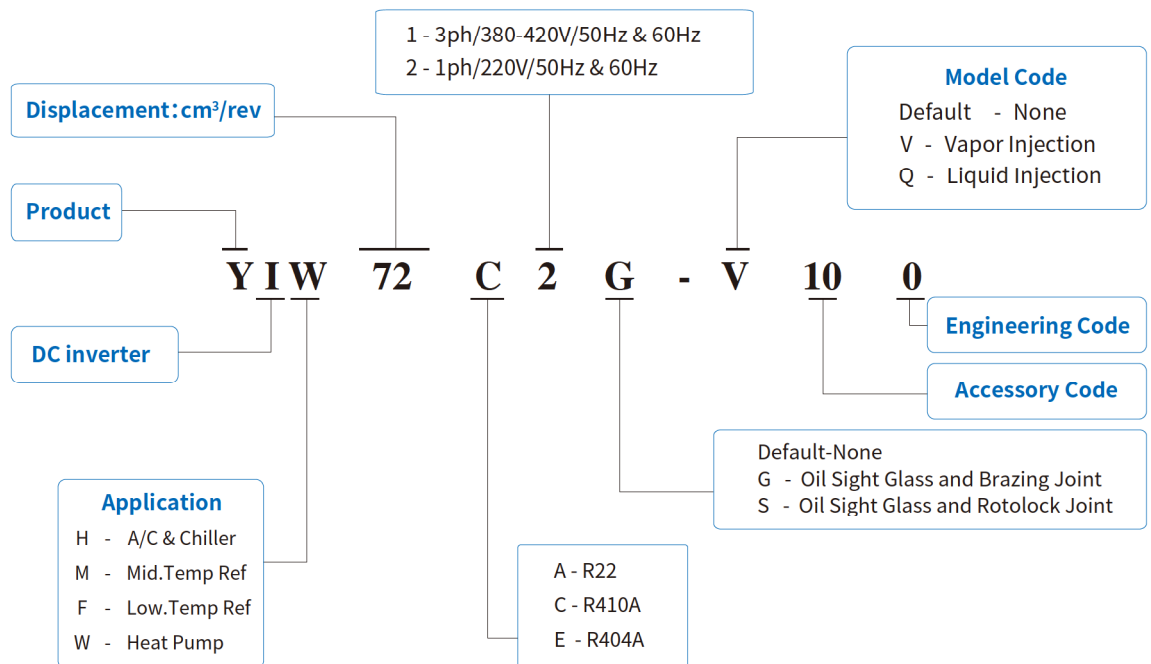
INVOTECH

DC inverter scroll compressor

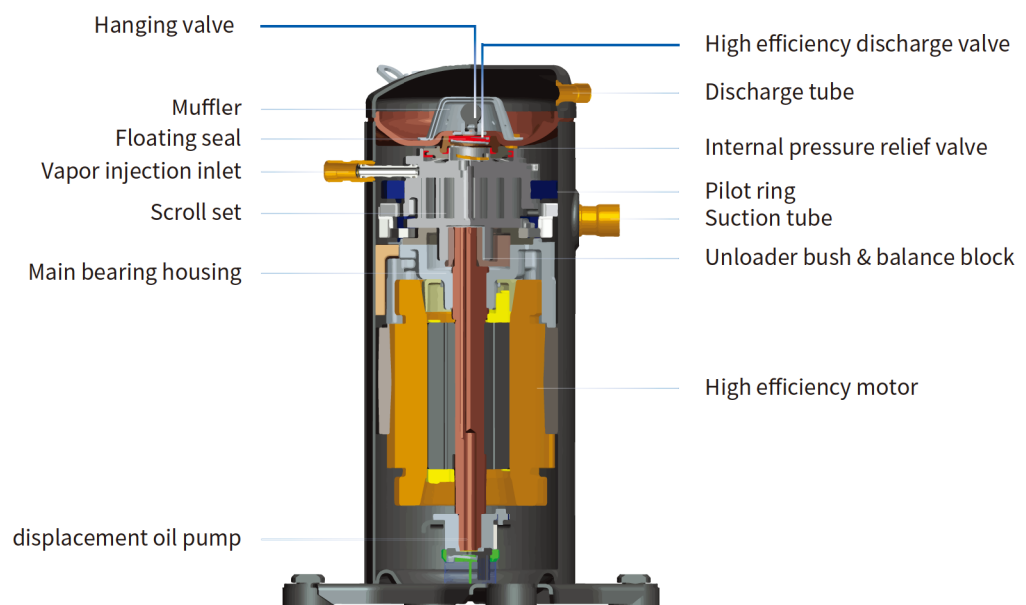
Accurate temperature control
Improved energy efficiency



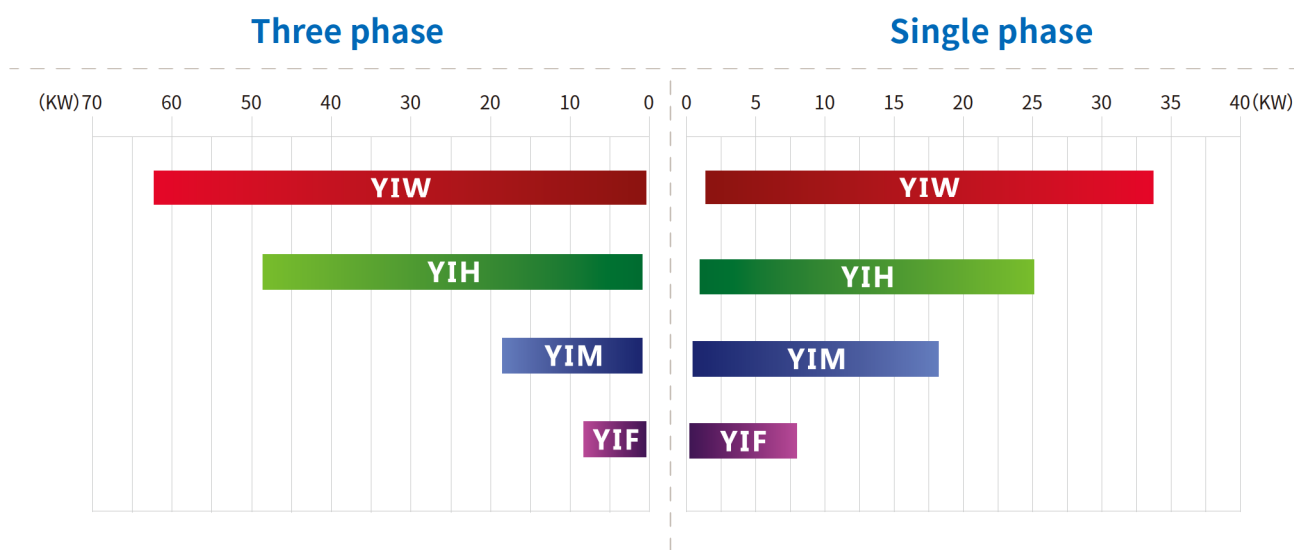
Nomenclature



Sectional view



Capacity



Remark: YIW is heating capacity, YH/YIM/YIF are cooling capacity

Main features

- Energy saving, environmental protection, energy efficiency
- Unique centrifugal force balance patent, full range silent operation
- Variable pressure ratio HVE exhaust valve, more suitable for wide evaporation and condensation temperatures
- Perfect combination of EVI and inverter technology.
- Multiple flexible design, high reliability to ensure the compressor is more suitable for bad operating conditions



YIF Series For Low Temp. Refrigeration

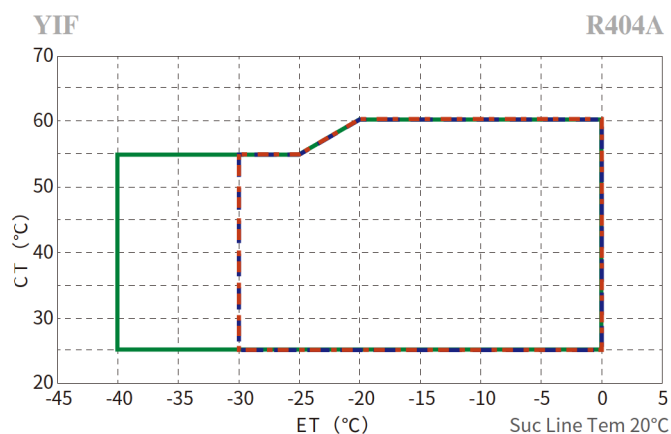
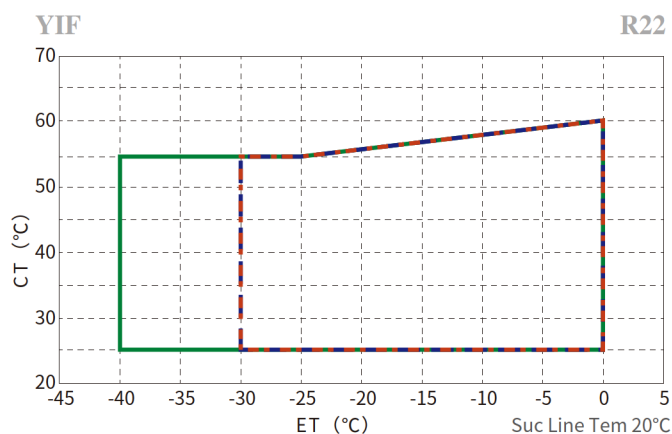
YIF Series

Model	Electricity	Phase	Displacement cc/Rev	Capacity (W)	Power (W)	Cop (W/W)	Oil type	Refrigerant
Low temp refrigeration								
YIF50A2G-Q100	220V	Single phase	50	3246	2566	1.26	3GS	R22
YIF60A2G-Q100	220V	Single phase	60	3895	3039	1.28	3GS	R22
YIF72A2G-Q100	220V	Single phase	72	4674	3647	1.28	3GS	R22
YIF50A1G-Q100	380~420V	Three phase	50	3246	2491	1.30	3GS	R22
YIF60A1G-Q100	380~420V	Three phase	60	3895	2951	1.32	3GS	R22
YIF72A1G-Q100	380~420V	Three phase	72	4674	3541	1.32	3GS	R22
YIF50E2G-Q100	220V	Single phase	50	3443	2722	1.26	POE	R404A
YIF60E2G-Q100	220V	Single phase	60	4132	3224	1.28	POE	R404A
YIF72E2G-Q100	220V	Single phase	72	4958	3869	1.28	POE	R404A
YIF50E1G-Q100	380~420V	Three phase	50	3443	2643	1.30	POE	R404A
YIF60E1G-Q100	380~420V	Three phase	60	4132	3130	1.32	POE	R404A
YIF72E1G-Q100	380~420V	Three phase	72	4958	3756	1.32	POE	R404A

ET:-31.6°C,CT:40.6°C,superheat:36°C,subcooling:0°C,Ta:35°C; Cooling Capacity
1200-7200RPM, Rated speed:4500RPM

YIW Operating Envelop

YIF Series



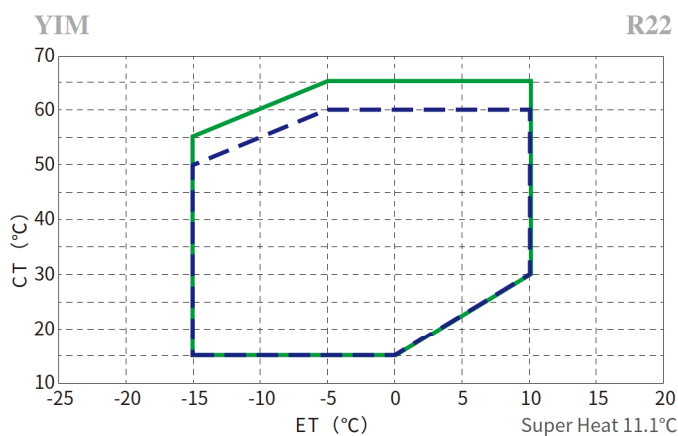
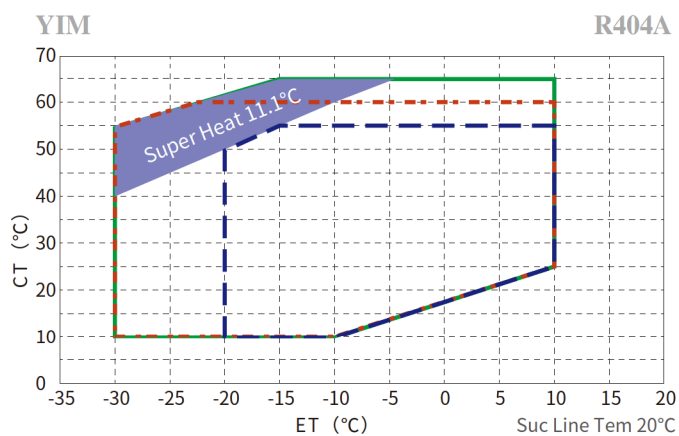
--- 1200-2400 RPM

— 2400-5400 RPM

- - - 5400-7200 RPM

Model	Electricity	Phase	Displacement cc/Rev	Capacity (W)	Power (W)	Cop (W/W)	Oil type	Refrigerant
Mid temp refrigeration								
YIM50A2G-100	220V	Single phase	50	7975	3541	2.25	3GS	R22
YIM60A2G-100	220V	Single phase	60	9570	4195	2.28	3GS	R22
YIM72A2G-100	220V	Single phase	72	11485	5034	2.28	3GS	R22
YIM50A1G-100	380~420V	Three phase	50	7975	3438	2.32	3GS	R22
YIM60A1G-100	380~420V	Three phase	60	9570	4073	2.35	3GS	R22
YIM72A1G-100	380~420V	Three phase	72	11485	4887	2.35	3GS	R22
YIM50E2G-100	220V	Single phase	50	7883	4019	1.96	POE	R404A
YIM60E2G-100	220V	Single phase	60	9459	4777	1.98	POE	R404A
YIM72E2G-100	220V	Single phase	72	11351	5733	1.98	POE	R404A
YIM50E1G-100	380~420V	Three phase	50	7883	3902	2.02	POE	R404A
YIM60E1G-100	380~420V	Three phase	60	9459	4614	2.05	POE	R404A
YIM72E1G-100	380~420V	Three phase	72	11351	5537	2.05	POE	R404A

ET:-6.7°C,CT:48.9°C, superheat:11.1°C, subcooling:0°C,Ta:35°C; Cooling Capacity
1200-7200RPM, rated speed: 4500RPM



--- 1200-2400 RPM

— 2400-5400 RPM

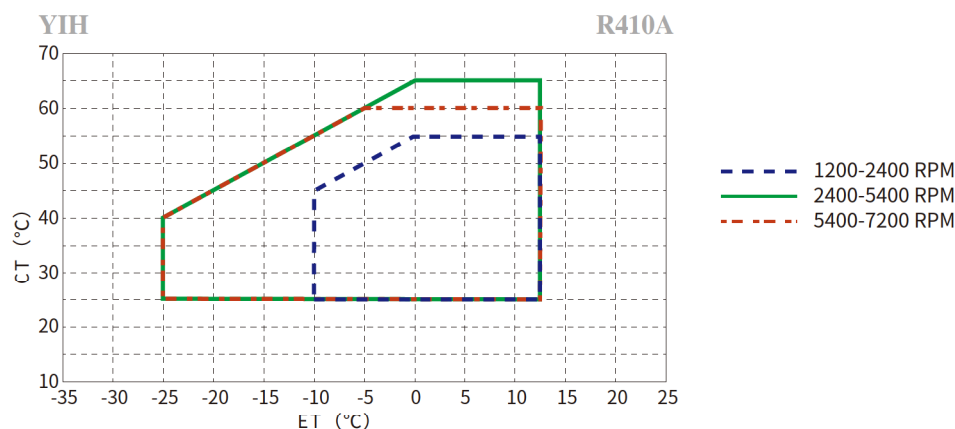
--- 5400-7200 RPM

YIH Series for AC/Chiller

YIH Series

Model	Electricity	Phase	Displacement cc/Rev	Capacity (W)	Power (W)	Cop (W/W)	Oil type	Refrigerant
For A/C with high efficiency								
YIH38C2G-100	220V	Single phase	38	16100	5110	3.15	POE	R410A
YIH38C1G-100	380~420V	Three phase	38	16100	4953	3.25	POE	R410A
YIH50C1G-100	380~420V	Three phase	50	21200	6523	3.25	POE	R410A
YIH60C1G-100	380~420V	Three phase	60	25400	7697	3.30	POE	R410A
YIH72C1G-100	380~420V	Three phase	72	30500	9242	3.30	POE	R410A

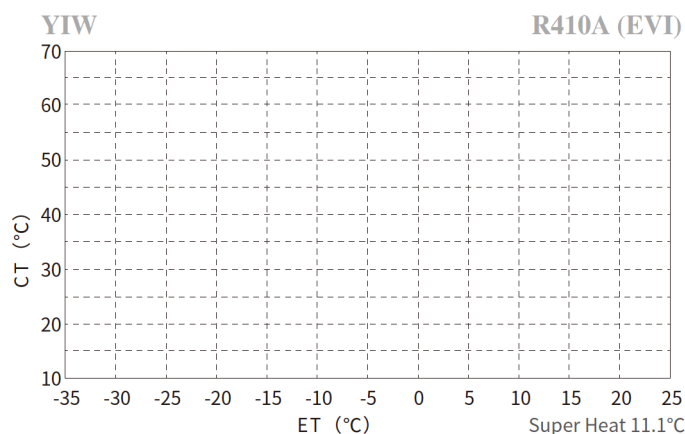
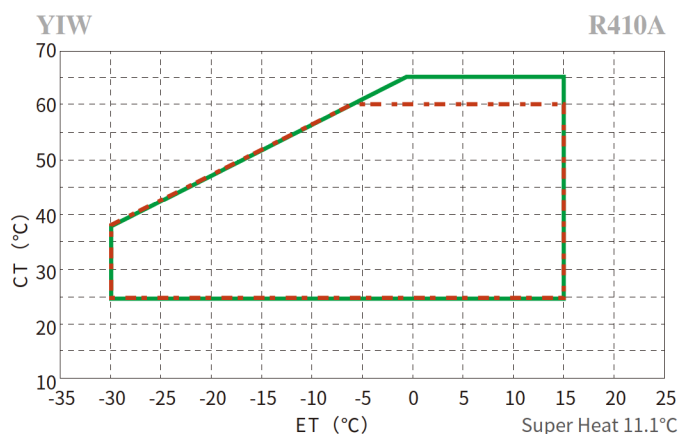
ET:7.2°C,CT:54.4°C,superheat:11.1°C,subcooling:8.3°C,Ta:35°C; Cooling Capacity
1200-7200RPM, Rated speed:4500RPM



YIH Operating Envelop

YIW Operating Envelop

YIW Series



1200-2400 RPM

2400-5400 RPM

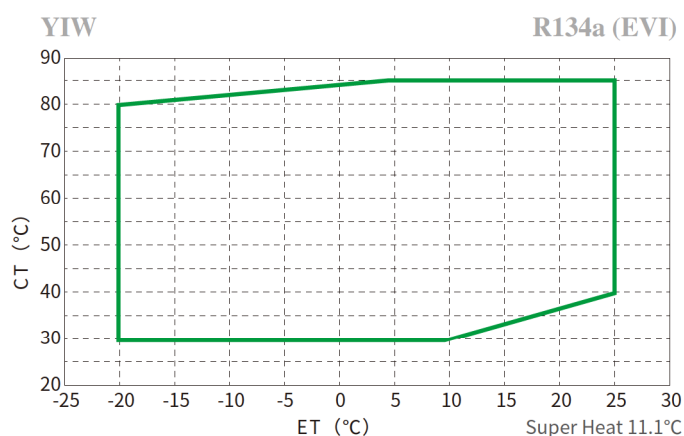
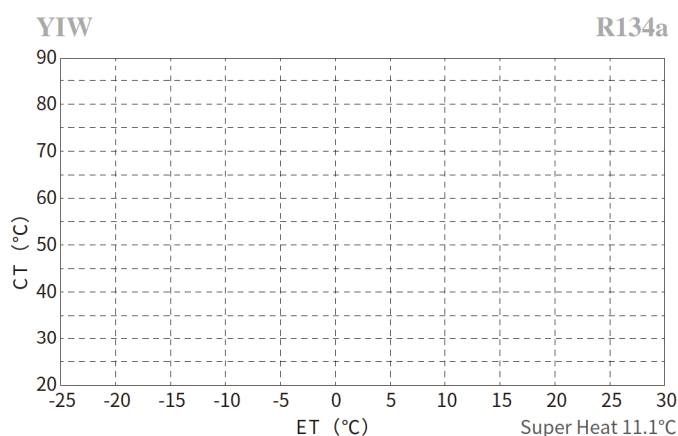
5400-7200 RPM

Model	Electricity	Phase	Displacement cc/Rev	Capacity (W)	Power (W)	Cop (W/W)	Oil type	Refrigerant
Normal heat pump								
YIW38C2G-100	220V	Single phase	38	19700	5200	3.79	POE	R410A
YIW38C1G-100	380~420V	Three phase	38	19549	5049	3.87	POE	R410A
YIW50C1G-100	380~420V	Three phase	50	25722	6643	3.87	POE	R410A
YIW60C1G-100	380~420V	Three phase	60	30786	7892	3.90	POE	R410A
YIW72C1G-100	380~420V	Three phase	72	36944	9470	3.90	POE	R410A
YIW60E1G-100	380~420V	Three phase	60	14285	3285	3.35	POE	R134a
YIW72E1G-100	380~420V	Three phase	72	17140	3940	3.35	POE	R134a
With EVI								
YIW38C2G-V100	220V	Single phase	38	20685	5460	3.79	POE	R410A
YIW38C1G-V100	380~420V	Three phase	38	20526	5301	3.87	POE	R410A
YIW50C1G-V100	380~420V	Three phase	50	27008	6975	3.87	POE	R410A
YIW60C1G-V100	380~420V	Three phase	60	32326	8286	3.90	POE	R410A
YIW72C1G-V100	380~420V	Three phase	72	38791	9944	3.90	POE	R410A
YIW60E1G-V100	380~420V	Three phase	60	15000	3450	4.35	POE	R134a
YIW72E1G-V100	380~420V	Three phase	72	18000	4137	4.35	POE	R134a

Refrigerant :R410A(ET:5°C,CT:55°C,superheat:11.1°C,subcooling:8.3°C,Ta:35°C; Heating Capacity

Refrigerant :R134a(ET:7.2°C,CT:54.4°C,superheat:11.1°C,subcooling:8.3°C,Ta:35°C; Heating Capacity

1200-7200RPM, rated speed: 4500RPM



1200-2400 RPM

2400-5400 RPM

5400-7200 RPM