

WE ARE INVOTECH SCROLL TECHNOLOGIES



A global partner for HVAC and Refrigeration Industries by providing scroll compressor and relevant service.

Established in **2011** with headquarters in Changshu, China, Invotech has realized continuous growth in the past ten years, and achieved **1.5 Million sales** volume to global customers over **40** countries and regions.

Our vision, to become a global first-class solution provider by providing innovative products for the climate and energy industries, creating an energy-saving and eco-friendly environment.



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MODEL LINE-UP REFRIGERATION

Refrigerant	Model	YM31P1	YM37P1	YM42P1	YM52P1	YM60P1	YM73P1	YM90P1	YM101P1
R290	Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz							
	Cooling capacity/kW @50Hz	3.0	3.7	4.2	5.4	6.2	7.7	9.0	10.0
	Displacement/cc	33.3	42.0	46.6	58.0	67.8	83.3	98.3	108.0

Refrigerant	Model	YM34U1	YM43U1	YM49U1	YS24U1	YS28U1	YS34U1	YS40U1	YS42U1
R454C/R455A/R454A	Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz							
	Cooling capacity/kW R454C@50Hz	3.2	4.0	4.4	5.6	6.5	7.9	9.3	10.2
	Displacement/cc	33.3	42.2	46.6	58.0	67.8	83.3	98.3	108.0

Refrigerant	Model	YM34E	YM43E	YM49E	YM60E	YM70E	YM86E	YM102E	YM115E
R448A/R449A/R452A	Power Source	220V 1PH 50Hz 380~420V 3PH 50Hz or 460V 3PH 60Hz							
	Cooling capacity/kW R448A@50Hz	3.7	4.4	5.0	6.3	7.3	9.0	10.7	12.0
	Displacement/cc	33.3	42.0	46.6	58.0	67.8	83.3	98.3	108.0

Refrigerant	Model	YF13U1	YF17U1	YF20U1	YL10U1	YL11U1	YL14U1	YL16U1	YL18U1
R454C/R455A/R454A	Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz							
	Cooling capacity/kW R454C@50Hz	1.3	1.5	1.7	2.1	2.4	3.1	3.9	4.3
	Displacement/cc	33.3	42.0	46.6	58.0	67.8	83.3	98.3	108.0

Refrigerant	Model	YF13E	YF17E	YF20E	YF25E	YF29E	YF35E	YF41E	YF45E
R448A/R449A/R452A	Power Source	220V 1PH 50Hz 380~420V 3PH 50Hz or 460V 3PH 60Hz							
	Cooling capacity/kW R448A@50Hz	1.2	1.7	2.0	2.6	2.9	3.5	4.1	4.5
	Displacement/cc	33.3	42.0	46.6	58.0	67.8	83.3	98.3	108.0

Model Series	Te(°C)	Tc(°C)	SC(deg)	SH(deg)
YM/YS	-6.7	48.9	0.0	11.1
YF/YL	-31.6	40.6	0.0	36.0

The data of this leaflet is for reference only, the actual data is subject to the latest specification document. Please contact the sales for more information.

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MODEL LINE-UP AIR CONDITIONER, CHILLER, HEAT PUMP



Refrigerant	Model	YW46P1	YW55P1	YW62P1	YW78P1	YW91P1	YW110P1	YW130P1	YW143P1	YW165P1	YW200P1	YW225P1	YW250P1	YW340P1
R290	Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz												
	Heating Capacity/kW @50Hz	4.6	5.5	6.2	7.8	9.1	11.1	13.0	14.2	16.7	20.2	22.7	25.3	34.0
	Displacement/cc	33.3	42.0	46.6	58.0	67.8	83.3	98.3	108.0	123.0	145.4	167.2	189.1	265.0

R454C models are under development.

Refrigerant	Model	YA40B1	YA42B1	YA50B1	YA52B1	YA59B1	YA69B1	YA74B1	YA78B1	YA98B1	YA108B1	YA119B1	YA128B1	YA133B1
R454B	Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz												
	Cooling capacity/kW @50Hz	9.1	10.1	11.7	12.3	14.1	16.5	17.7	18.8	23.1	25.8	28.0	30.6	31.9
	Displacement/cc	38.5	41.4	46.0	49.4	59.2	66.1	71.3	74.7	90.8	100.0	107.5	123.0	131.6

Refrigerant	Model	YW100J1	YW120J1	YW137J1	YW155J1	YW180J1	YW200J1	YW240J1	YW265J1	YW290J1	YW315J1	YW390J1	YW470J1
R513A/R134a	Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz											
	Cooling capacity/kW @50Hz	10.0	12.0	13.7	14.4	18.0	19.6	22.5	25.4	29.0	31.5	37.6	43.5
	Heating Capacity/kW @50Hz	13.0	15.5	17.4	18.8	23.5	25.5	29.2	32.5	38.1	41.2	49.4	56.8
	Displacement/cc	83.3	98.3	108.9	123.0	145.4	167.2	189.1	210.0	246.0	265.5	332.8	392.0

Model	YW290K1	YW470K1	YW470L1
Refrigerant	R515B	R515B	R245fa
Power Source	380~420V 3PH 50Hz or 460V 3PH 60Hz		
Heating Capacity/kW @50Hz	25.4	39.2	51.3
Displacement/cc	246.0	392.0	392.0
Max. Condensing Temperature/ °C	100.0		135.0

Refrigerant	Te(°C)	Tc(°C)	SC(deg)	SH(deg)
R290	-7.0	50.0	4.0	5.0
R454B	7.2	54.4	8.3	11.1
R513A/R134a	7.2	54.4	8.3	11.1
R515B	10.0	85.0	10.0	10.0
R245fa	50.0	120.0	5.0	10.0

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