Xinris EVI DC inverter heat pump(Air to Water)

(House heating/cooling + hot water)

Advantage:

1，Stable operation under -35℃ (can work under ambient temperature range:-35℃ to 43℃)
2，Certified with CE, UL ,A+++
3，Long life with famous brand high quality components like CAREL,Panasonic,SHIBAURA,WILO,SWEP
4，4 Core full inverter+Wifi control by phone
5，Super quite
6，Superior heating alility make energy and money saving
7，Use new environmentally friendly refrigerant R32
8，3-5 year warranty for option(free spart)
9，24 hours after-sales service
10，Use life Life be 25 years

Applications

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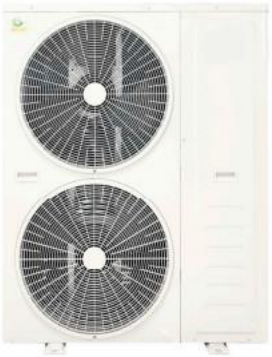
(Hydraulic model for option,more easy to install and save cost)

Built - In

The heat pump controller , wilo circuit water pump ,expansion valve, electric 3-way valve ,exepension tank ,wiring box ,sensors ,and a 1.5-2 kw emergency/ booster heater are all integrated

Monoblock Type



Model		FEIHC020S	FEIHCD035S	FEIHCD040S	FEIHCD045S	FEIHCD050S	FEIHCD060S	FEIHCD070S	FEIHCD080S
Power input			220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)
Heating condition: air DB20℃/WB 15℃，water from 15℃ to 55℃									
Heating capacity	KW	8.2	12.3	16.4	18.0	20.5	24.6	28.4	32.8
Input power（Heating）	KW	1.7	2.7	3.5	3.9	4.4	5.3	5.8	7.0
Input current（Heating）	A	7.5	12.1	16.1	17.6	20.0	24.0	26.5	31.9
COP	W/W	4.96	4.62	4.63	4.65	4.65	4.65	4.87	4.67
Heating condition: air DB 7℃/WB 6℃，water inlet:30℃，water outlet: 35℃									
Heating capacity	KW	6.5	10.6	12.3	14.6	16.3	18.8	24.4	28.1
Input power（Heating）	KW	1.3	2.3	2.7	3.2	3.5	4.1	5.1	6.1
Input current（Heating）	A	6.0	10.4	12.1	14.4	16.1	18.4	19.4	27.6
COP	W/W	4.95	4.63	4.63	4.61	4.62	4.63	4.77	4.63
Heating condition: air DB 7℃/WB 6℃，water inlet:40℃，water outlet: 45℃									
Heating capacity	KW	6.4	10.4	12.0	14.3	16.0	18.5	23.98	28.3
Input power（Heating）	KW	1.6	2.7	3.2	3.9	4.3	4.9	5.9	7.2
Input current（Heating）	A	7.2	12.2	14.7	17.6	19.6	22.5	23.5	32.6
COP	W/W	4.05	3.87	3.70	3.7	3.72	3.74	3.96	3.95
Heating condition: air DB -12℃/WB -14℃，Water inlet :36℃ water outlet: 41℃									
Heating capacity	KW	4.51	7.21	9.1	11.0	12	13.87	16.67	20.2
Input power（Heating）	KW	1.7	2.8	3.6	4.3	4.7	5.5	6.5	8.1
Input current（Heating）	A	7.6	12.7	16.2	19.5	21.1	25.2	29.6	36.7
COP②	W/W	2.70	2.58	2.55	2.56	2.58	2.50	2.56	2.50
Cooling condition: air DB 35℃/--，water inlet:12℃,water outlet:7℃									
Cooling capacity	KW	5.5	8.5	10.3	12.95	14.4	15.9	20.9	25.5
Input power	KW	1.8	2.8	3.4	4.3	4.8	5.3	7.1	8.5
Input current	A	8.3	12.9	15.6	19.6	21.8	24.1	32.1	38.5
EER		3.04	3.00	3.00	3.01	3.00	2.99	2.96	3.01
Max running current	A	13.6	20.5	27.4	29.1	34.0	40.7	44.6	53.9
ERP Level（35℃）		/	A+++	A+++	A+++	A+++	A+++	A+++	A+++
ERP Level（55℃）		/	A++	A++	A++	A++	A++	A++	A++
Controller	Inverter Control								
Compressor	DC inverter Panasonic compressor								
Fan motor	DC fan motor								
Refrigerant flow control	Electric Expansion Vavle								
Heat exchanger	Plate Heat Exchanger or tube in shell heat exchanger								
Refrigerant	R32/R410A								
Water pump	Wilo Water Pump								
Water inlet/outlet	inch	1"	1"	1"	1"	1"	1-1/2"	1-1/2"	1-1/2"
Water flow volume	m³/h	0.86	1.38	1.72	1.9	2.15	2.58	3.01	3.44

Monoblock Type

Model		FEIHCD035S3	FEIHCD040S3	FEIHCD050S3	FEIHCD060S3	FEIHCD080S3	FEIHCD100S3	FEIHCD120S3
Power supply	V/PH/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Heating condition: air DB20℃/WB 15℃，water from 15℃ to 55℃								
Heating capacity	KW	12.30	16.4	20.5	24.6	32.8	41.00	49.20
Input power（Heating）	KW	2.69	3.57	4.48	5.37	7.16	8.95	10.74
Input current（Heating）	A	4.08	5.42	6.80	8.16	10.88	13.60	16.32
COP	W/W	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Heating condition: air DB 7℃/WB 6℃，water inlet:30℃，water outlet: 35℃								
Heating capacity	KW	10.6	12.3	16.3	18.8	28.1	32.6	37.6
Input power（Heating）	KW	2.29	2.66	3.53	4.06	6.07	7.04	8.12
Input current（Heating）	A	4.2	4.04	6.5	7.5	11.2	13.0	15.0
COP	W/W	4.63	4.63	4.62	4.63	4.63	4.63	4.63
B 7℃/WB 6℃，water inlet:40℃，water outlet: 45℃								
Heating capacity	KW	10.5	12	16.0	18.5	28.3	32.30	37.4
Input power（Heating）	KW	2.71	3.24	4.30	4.95	7.16	8.68	10.00
Input current（Heating）	A	5.0	6.0	8.0	9.2	13.3	16.1	18.5
COP	W/W	3.87	3.70	3.72	3.74	3.95	3.72	3.74
Heating conditon: air DB -12℃/WB -14℃，water outlet: 41℃								
Heating capacity	KW	7.21	9.1	12	13.87	20.2	24.2	28.0
Input power（Heating）	KW	2.71	4.27	4.30	4.95	7.16	8.68	10.00
Input current（Heating）	A	5.0	7.9	8.0	9.2	13.3	16.1	18.5
COP	W/W	2.34	2.13	2.69	2.54	2.40	2.57	2.46
Cooling conditon: air DB 35℃/--，water inlet:12℃,water outlet:7℃								
Cooling capacity	KW	8.5	10.3	14.4	15.9	25.5	27.7	32.0
Input power	KW	2.83	3.43	4.80	5.32	8.47	9.25	10.67
Input current	A	5.2	6.4	8.9	9.9	15.7	17.1	19.8
EER		3.00	3.00	3.00	2.99	3.01	3.00	3.00
Max running current	A	6.8	8.3	11.6	12.8	20.4	22.3	25.7
Noise	dB(A)	53	53	54	54	55	56	56
Water inlet/outlet	inch	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"
Water flow volume	m^3/h	1.46	1.77	2.48	2.73	4.39	4.77	5.50
ERP Level（35℃）		A+++	A+++	A+++	A+++	A+++	A+++	A+++
ERP Level（55℃）		A++	A++	A++	A++	A++	A++	A++
Controller		Inverter Control						
Compressor		DC inverter compressor						
Refrigerant flow control		Electric Expansion Vavle						
Heat exchanger		Plate Heat Exchanger / High efficient tube in shell heat exchanger						
Refrigerant		R32/R410A						
Produc Demension (L/M/H)	mm	1050/420/850	1050/420/850	1150/470/1250	1150/470/1250	1380/515/1585	1380/515/1585	1380/515/1585
Packing Demension(L/M/H)	mm	1150/450/1000	1150/450/1000	1250/520/1440	1250/520/1440	1450/550/1700	1450/550/1700	1450/550/1700

Monoblock Type

Model		FEICHD150T3	FEICHD200T3	FEICHD250T3	FEICHD300T3	FEICHD500T3
Power Supply	V/P/Hz	380/3/50(60)	380/3/50(60)	380/3/50(60)	380/3/50(60)	380/3/50(60)
Heating condition: ambient 7 ℃, water 35℃						
Heating Capacity	kW	45.0	60.0	75.0	90.0	150.00
Heating Power Input	kW	10.90	14.60	18.20	21.90	36.40
Heating Current Input	A	20.2	27.1	33.7	40.6	67.4
COP		4.13	4.11	4.12	4.11	4.12
Heating condition: ambient 7 ℃, water 45℃						
Heating Capacity	kW	45.0	60.0	75.0	90.0	150.00
Heating Power Input	kW	12.90	17.10	21.30	27.30	42.60
Heating Current Input	A	23.9	31.7	39.5	50.6	78.9
COP		3.49	3.51	3.52	3.30	3.52
Heating condition: ambient - 7 ℃, water 35℃						
Heating Capacity	kW	34.5	46.0	58.0	69.0	116.00
Heating Power Input	kW	11.10	14.70	18.60	22.20	37.20
Heating Current Input	A	20.6	27.2	34.5	41.1	68.9
COP		3.11	3.13	3.12	3.11	3.12
Heating condition: ambient -7 ℃, water 45℃						
Heating Capacity	kW	34.5	46.0	58.0	69.0	116.00
Heating Power Input	kW	12.60	16.80	21.20	25.50	42.40
Heating Current Input	A	23.3	31.1	39.3	47.2	78.6
COP		2.74	2.74	2.74	2.71	2.74
Heating condition: ambient -15 ℃, water 35℃						
Heating Capacity	kW	28.5	38.0	48.0	57.0	96.00
Heating Power Input	kW	10.90	14.50	18.30	21.90	36.60
Heating Current Input	A	20.2	26.9	33.9	40.6	67.8
COP		2.61	2.62	2.62	2.60	2.62
Cooling condition: ambient 35 ℃, water 7℃						
Cooling Capacity	kW	37.5	50.0	65.0	75.0	130.0
Cooling Power Input	kW	13.89	18.50	24.00	27.78	48.00
Cooling Current Input	A	25.7	34.3	44.5	51.5	88.9
EER		2.70	2.70	2.71	2.70	2.71
Maximum Power Input	kW	19.17	25.53	33.12	38.3	66.2
Maximum Current Input	A	35.5	47.3	61.4	71.0	122.7
Nominal Water Flow Volume	m³/h	6.45	8.60	11.18	12.9	22.4
Water Inlet/Outlet	inch	1-1/2"	2"	2-1/2"	2-1/2"	3"
Refrigerant		R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32
Sound Level	dB(A)	60	62	65	67	69
IP Rating		IPX4	IPX4	IPX4	IPX4	IPX4
Protection against Electric Shock		I	I	I	I	I
Net Weight	kg	300	650	720	740	960
Unit Dimensions(L/W/H)	mm	1000/1000/1405	1645/805/1700	2036/1103/2020	2036/1103/2020	2350/1200/2205

Split Type

Model		FEIHCD035SS	FEIHCD040SS	FEIHCD050SS	FEIHCD060SS	FEIHCD080SS
Power input		220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)	220V1PH/50hz(60hz)
Heating condition: air DB20℃/WB 15℃，water from 15℃ to 55℃						
Heating capacity	KW	12.3	16.4	20.5	24.6	32.8
Input power（Heating）	KW	2.7	3.5	4.4	5.3	7.0
Input current（Heating）	A	12.1	16.1	20.0	24.0	31.9
COP	W/W	4.62	4.63	4.65	4.65	4.67
Heating condition: air DB 7℃/WB 6℃，water inlet:30℃，water outlet: 35℃						
Heating capacity	KW	10.6	12.3	16.3	18.8	28.1
Input power（Heating）	KW	2.3	2.7	3.5	4.1	6.1
Input current（Heating）	A	10.4	12.1	16.1	18.4	27.6
COP	W/W	4.63	4.63	4.62	4.63	4.63
Heating condition: air DB 7℃/WB 6℃，water inlet:40℃，water outlet: 45℃						
Heating capacity	KW	10.4	12.0	16.0	18.5	28.3
Input power（Heating）	KW	2.7	3.2	4.3	4.9	7.2
Input current（Heating）	A	12.2	14.7	19.6	22.5	32.6
COP	W/W	3.87	3.70	3.72	3.74	3.95
Heating condition: air DB -12℃/WB -14℃，Water inlet :36℃ water outlet: 41℃						
Heating capacity	KW	7.21	9.1	12	13.87	20.2
Input power（Heating）	KW	2.8	3.6	4.7	5.5	8.1
Input current（Heating）	A	12.7	16.2	21.1	25.2	36.7
COP②	W/W	2.58	2.55	2.58	2.50	2.50
Cooling condition: air DB 35℃/--，water inlet:12℃,water outlet:7℃						
Cooling capacity	KW	8.5	10.3	14.4	15.9	25.5
Input power	KW	2.8	3.4	4.8	5.3	8.5
Input current	A	12.9	15.6	21.8	24.1	38.5
EER		3.00	3.00	3.00	2.99	3.01
Max running current	A	20.5	27.4	34.0	40.7	53.9
ERP Level（35℃）		A+++	A+++	A+++	A+++	A+++
ERP Level（55℃）		A++	A++	A++	A++	A++
Controller	Inverter Control					
Compressor	DC inverter Panasonic compressor					
Fan motor	DC fan motor					
Refrigerant flow control	Electric Expansion Vavle					
Heat exchanger	Plate Heat Exchanger or tube in shell heat exchanger					
Refrigerant	R32/R410A					
Water pump						
Water inlet/outlet	inch	1"	1"	1"	1-1/2"	1-1/2"
Water flow volume	m^3/h	1.38	1.72	2.15	2.58	3.44