

R32 DC Inverter Split Heat Pump for Heating & cooling



Features

- ⊕ Energy Class: A+++
- ⊕ Multi-function of heating, cooling and hot water
- ⊕ Full DC inverter compressor and fan motor
- ⊕ Split structure, for stable performance at -35 °C
- ⊕ Wired controller with Wifi smart control
- ⊕ Eco friendly R32 refrigerant, less GWP than R410A
- ⊕ Inverter circulation water pump and 3KW backup electrical heater included in indoor unit



Specifications

Model (OUTDOOR)		LPR-9ID/INV/S-EVI	LPR-12ID/INV/S-EVI	LPR-18ID/INV/S-EVI	LPR-23IID/INV/S-EVI	
Power supply	V/Ph/H	220V/50Hz		380V/50Hz		
Heating A 7/6 C W30/35 C	Capacity	kW	9.20	12.10	18.70	23.10
	Rated input	kW	1.99	2.50	4.02	5.19
	COP		4.61	4.84	4.67	4.45
Heating A 7/6 C W40/45 C	Capacity	kW	8.85	11.63	17.98	22.21
	Rated input	kW	2.23	2.79	4.47	5.79
	COP		3.97	4.17	4.03	3.84
Heating A 7/6 C W50/55 C	Capacity	kW	8.00	10.52	16.26	20.09
	Rated input	kW	2.62	3.28	5.26	6.82
	COP		3.05	3.21	3.09	2.95
Heating A -7/-8 C W30/35 C	Capacity	kW	7.13	10.23	14.50	17.91
	Rated input	kW	2.24	4.36	4.50	5.83
	EER		3.18	2.34	3.22	3.07
Heating A -7/-8 C W50/55 C	Capacity	kW	6.20	8.16	12.61	15.57
	Rated input	kW	2.95	3.69	5.91	7.66
	EER		2.11	2.21	2.13	2.03
Heating A -12/-14 C W36/41 C	Capacity	kW	6.22	8.18	12.64	15.61
	Rated input	kW	2.43	3.04	4.87	6.30
	EER		2.56	2.69	2.59	2.48
Heating A 35/24 C W12/7 C	Capacity	kW	7.90	10.40	11.40	13.50
	Rated input	kW	2.62	3.42	3.87	5.15
	EER		3.01	3.04	2.94	2.62
Seasonal space heating energy efficiency class	LWT at 35 C		A+++	A+++	A+++	A+++
	LWT at 55 C		A++	A++	A++	A++
	LWT at 35 C		4.68	4.75	4.50	4.50
SCOP	LWT at 55 C		4.06	4.12	3.90	3.90
	LWT at 7 C		4.65	4.72	4.47	4.47
SEER	LWT at 7 C		18.1	22.7	36.4	15.8
MOP(Maximum overcurrent protection)		A				
Water pressure drop	kPa	55	50	50	50	
Refrigerant system pressure(Max./Min.)		4.2 MPa/1.5MPa				
Refrigerant	Type		R32	R32	R32	R32
	Charged	kg	1.6	1.9	2.2	2.4
GWP value		675	675	675	675	
Equivalent CO ₂	Ton	1.08	1.28	1.48	1.55	
Sound power level	dB	45	46	58	60	
Water resistance		IPX4				
weight	Net	kg	68	98	98	128
	Net	mm	960*380*820	960*380*1270	960*380*1270	1030*390*1340
Dimension (L*H*D)	Packing	mm	1040*505*970	1040*505*1420	1040*505*1420	1130*510*1490
	sets		44/88	22/46	22/46	22/46
Loading quantity(20GP/40GP)	Cooling	C			-5 to 43	
	Heating	C			-35 to 35	
	DHW	C			-35 to 43	
Model (INDOOR)		LPR-9ID/INVIS-EVI	LPR-12ID/INVIS-EVI	LPR-18ID/INVIS-EVI	LPR-23ID/INVIS-EV	
Power supply	V/Ph/H	220V/50Hz				
Backup electrical heating	kW	2				
Water flow switch		VKS/φ28/ SD/ 0.9T/ A/J				
Water pump model		Wilo RSI5/6	Wilo RS25/8	Wilo RS25/8	Shinhoo GPD32-9	
Refrigerant system pressure(Max./Min.)		4.2 MPa/1.5MPa				
Sound power level ⁶	dB	40				
Water resistance		IPX4				
Water side heat-exchanger		High efficiency tank				
Water pressure drop	kPa	55	50	50	50	
Water pipe connection	Inlet	mm	DN25(1")	DN25(1")	DN25(1")	DN25(1")
	Outlet	mm	DN25(1")	DN25(1")	DN25(1")	DN25(1")
Refrigerant Pipes		3/8"+1/2"	3/8"+5/8"	3/8"+5/8"	1/2"+3/4"	
Net/Gross weight	Net	kg	41	46	48	53
	Net	mm	550*298*680	550*298*680	550*298*680	580*298*765
Dimension(L*H*D)	Packing	mm	615*340*820	615*340*820	615*340*820	645*340*905