

DIW32 series Full DC Inverter air to water heat pump for Cooling & Heating & DHW(Monoblock type R32 Built-in water pump)

Model			DFC10I/BPS	DFC15I/BPS	DFC16I/BPS	DFC20I/BPS	DFC16II/BPS	DFC20II/BPS	DFC27II/BPS	DFC32II/BPS	DFC45II/BPS
Compressor Brand			Mitsubishi								
Water Pump Brand			DC Inverter "SHIMGE" / "AWMT"						On/Off "Wilo"		/
Rated heating (A7 W45)	Heating capacity	kW	10.00	15.00	16.00	20.00	16.00	20.00	27.00	32.00	45.00
	Input power	kW	2.81	4.36	4.55	5.70	4.55	5.68	7.65	9.12	12.86
	COP	W/W	3.56	3.55	3.52	3.51	3.52	3.52	3.53	3.51	3.50
Nominal heating (A-12 W41)	Heating capacity	kW	8.00	10.00	11.50	14.50	11.50	14.50	19.50	22.50	30.00
	Input power	kW	3.48	4.48	5.11	6.02	5.11	6.02	7.86	9.34	12.45
	COP	W/W	2.30	2.23	2.25	2.41	2.25	2.41	2.48	2.41	2.41
Low temp. heating (A-20 W41)	Heating capacity	kW	6.20	9.10	9.40	12.50	9.40	12.50	16.50	18.10	25.00
	Input power	kW	3.02	4.44	4.56	6.25	4.56	6.25	7.89	9.28	12.32
	COP	W/W	2.05	2.05	2.06	2.00	2.06	2.00	2.09	1.95	2.03
Rated cooling (A35 W7)	Cooling capacity	kW	12.00	14.00	15.50	19.50	15.50	19.50	25.00	32.00	40.00
	Input power	kW	4.07	4.75	5.34	6.63	5.34	6.63	8.56	10.92	13.29
	EER	W/W	2.95	2.95	2.90	2.94	2.90	2.94	2.92	2.93	3.01
Power supply		V/Ph/Hz	220V/1/50Hz				380V/3/50Hz				
Maximum input power (without electric heating)		kW	5.2	5.5	6.6	10.5	6.6	10.5	12.5	14.5	18.10
Maximum input current (without electric heating)		A	24	25.5	30	48	12.6	20	23.5	26.5	33.50
Maximum outlet water temp. (without electric heating)		°C	65°C								
Operation temp. range		°C	-25 ~ 43°C								
Fan Morot		Type	DC BRUSHLESS								
Refrigerant		Type	R32								
Refrigerant quantity		Kg	1.9	3.0	3.0	3.8	3.0	3.8	4.5	5.3	7.5
Water flow required		m3/h	1.92	2.32	2.67	3.35	2.67	3.35	4.3	5.5	6.9
Water inlet/outlet pipe		DN	DN32								
Unit dimensions		mm	1000X390X860	1000X390X1390					1200X430X1560		1430X440X1690
Net weight		kg	95	100	120	155	120	155	180	195	260
Gross weight		kg	105	110	130	175	130	175	200	215	280
Noise level		dB(A)	≤59	≤60	≤58	≤62	≤58	≤62	≤63	≤63	≤65
Product Photo											

Test conditions:

- Rated heating: Inlet/outlet water temperature 40°C/45°C. Dry bulb/wet bulb temperature 7°C/6°C;
- Nominal heating: water inlet/outlet temperature -/41°C. Dry bulb/wet bulb temperature -12°C/-14°C;
- Low temperature heating: water inlet/outlet temperature -/41°C. Dry bulb/wet bulb temperature -20°C/--;
- Rated cooling: water inlet/outlet temperature 12°C/7°C. Dry bulb temperature 35°C.