

## 5KW R32 Air Source Heat Pump



### Features & Benefits

A Joule Samsung heat pump is an energy-efficient system that uses the heat from the ambient air for heating and hot water. By using the ambient air and transferring this heat into the house through a hydronic system, such as underfloor heating, a heat pump requires less power input and offers greater power output than conventional boilers.

#### Solution Key Features

- ✔ 7-year Warranty
- ✔ SCOP: Best on MCS Database – 4.85
- ✔ 65°C Hot Water
- ✔ 45dB(A) – Quietest System on the Market
- ✔ 5Kw Outputs
- ✔ Low GWP Refrigerant – R32

#### Categories:

GENERAL	VIDEOS	DOWNLOADS	SETTING OUT	ELECTRICAL	MECHANICAL	SPARE PARTS
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		Outdoor Unit			HHSM-G600005-1	HHSM-G600008-1	HHSM-G600012-1	HHSM-G600016-1	
System	Operation	Nominal Capacity	Heating	W	5.000/4.300	8.000/7.100	12.000/11.300	16.000/15.000	
			A7/W351/A7/W552						
			Cooling	W	5.000	7.500	12.000	14.000	
			A35/W181						
	Power Input (Nominal)		Heating	W	1.030/1.520	1.770/2.530	2.650/3.730	3.620/5.180	
			A7/W351/A7/W552						
			Cooling A35/W181	W	1.140	1.900	2.770	3.280	
			COP (Nominal Heating) A7/W351/A7/W552	W/W	4,85/2,83	4,52/2,81	4,53/3,03	4,42/2,90	
			EER (Nominal Cooling) A35/W181	W/W	4,39	3,95	4,33	4,27	
			SCOP LWT 350c/550c	W/W	4,46/3,2	4,44/3,23	4,69/3,51	4,48/3,53	
			Average Seasonal Space Heating Eff.Class*	-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	
	Current	MCA	A	A	16,00	22,00	28,00	32,00	
			MFA	A	A	20,00	27,50	35,00	40,00
	Water Flow Rate	Min	L/MIN	L/MIN	7,00	7,00	12,00	12,00	
			Max	L/MIN	L/MIN	48,00	48,00	58,00	58,00
	Leaving Water Temp	Heating	OC	OC	15-65	15-65	15-65	15-65	
			Cooling	OC	OC	5-25	5-25	5-25	5-25
	Function	Smart Grid Ready	-	-	Yes	Yes	Yes	Yes	
		PV Enabled	-	-	Yes	Yes	Yes	Yes	
		2-Zone Control	-	-	Yes	Yes	Yes	Yes	
Indoor Compact Unit	Power Supply			O,#,V,Hz	220-240V, 50Hz, 1	220-240V, 50Hz, 1	220-240V, 50Hz, 1	220-240V, 50Hz, 1	
		Water Tank Volume		Litres	180/230	180/230	180/230	180/230	
		Declared Load Profile		L/XL					
		Energy Efficiency Classes		-	A	A	A	A	
	Sound	Sound Pressure	Heating/	dB(A)					
			Cooling Std						
		Sound Power	Heating Std	dB(A)					
Dimensions	Net Weight		KG	KG	85/90	85/90	85/90	85/90	
		Net Dimensions (WxHxD)	MM	MM	1900 x 595 x 625	1900 x 595 x 625	1900 x 595 x 625	1900 x 595 x 625	
Outdoor Unit	Power Supply			O,#,V,Hz	10,220-240V,50Hz	10,220-240V,50Hz	10,220-240V,50Hz	10,220-240V,50Hz	
		Compressor	Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Base Heater		-	-	Yes	Yes	Yes		
Sound	Sound	Heating Std	dB(A)	dB(A)	45	48	50	52	
		Pressure	Cooling Std	dB(A)	dB(A)	45	48	50	54
		Sound	Heating Std	dB(A)	dB(A)	61	63	64	66
		Power	Cooling Std	dB(A)	dB(A)	62	64	65	68
Dimensions	Net Weight		KG	KG	58.5	76	110	110	
		Net Dimensions (WxHxD)	MM	MM	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	
Refrigerant	Type		-	R32	R32	R32	R32		
Factory Charging			tCO2e	tCO2e	0,68	0,78	1,49	1,49	
			KG	KG	1,00	1,15	2,20	2,20	
Piping	Water Pipe	Inlet/Outlet	O,mm	O,mm	28/28	28/28	28/28	28/28	
	Water Pipe (DHW)	Inlet/Outlet	O,mm	O,mm	22/22	22/22	22/22	22/22	
Ambient Temperature	Heating	OC	OC	OC	-25-35	-25-35	-25-35	-25-35	
			Cooling	OC	OC	10-46	10-46	10-46	10-46
			DHW	OC	OC	-25-43	-25-43	-25-43	-25-43