

# Joule Air Source Heat Pumps - Specification

## Joule-Samsung Mono Specification

R32

A+++



		Outdoor Unit			HHSM-G600005-1	HHSM-G600008-1	HHSM-G600012-1	HHSM-G600016-1	
		Controller			HZSMC-G6000000	HZSMC-G6000000	HZSMC-G6000000	HZSMC-G6000000	
System	Operation	Nominal Capacity	Heating A7/W35 <sup>1</sup> /A7/W55 <sup>2</sup>	W	5.000/4.300	8.000/7.100	12.000/11.300	16.000/15.000	
			Cooling A35/W18 <sup>1</sup>	W	5.000	7.500	12.000	14.000	
	Power Input (Nominal)			Heating A7/W35 <sup>1</sup> /A7/W55 <sup>2</sup>	W	1.030/1.520	1.770/2.530	2.650/3.730	3.620/5.180
				Cooling A35/W18 <sup>1</sup>	W	1.140	1.900	2.770	3.280
			COP (Nominal Heating) A7/W35 <sup>1</sup> /A7/W55 <sup>2</sup>	W/W	4,85/2,83	4,52/2,81	4,53/3,03	4,42/2,90	
			EER (Nominal Cooling) A35/W18 <sup>1</sup>	W/W	4,39	3,95	4,33	4,27	
			SCOP LWT 350 <sup>3</sup> /550 <sup>3</sup>	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	16,00	22,00	28,00	32,00
				MFA	A	20,00	27,50	35,00	40,00
	Water Flow Rate			Min	l/min	7,00	7,00	12,00	12,00
				Max	l/min	48,00	48,00	58,00	58,00
	Leaving Water Temp			Heating	°C	15-65	15-65	15-65	15-65
				Cooling	°C	5-25	5-25	5-25	5-25
	Function			Smart Grid Ready	-	●	●	●	●
				PV Enabled	-	●	●	●	●
2-Zone Control				-	●	●	●	●	
Indoor Compact Unit	Power Supply			0,#,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 Class			-	A	A	A	A	
	Sound	Sound Pressure	Heating/ Cooling Std		dB(A)				
		Sound Power	Heating Std		dB(A)				
	Dimensions	Net Weight			kg	85/90	85/90	85/90	85/90
Net Dimensions (WxHxD)				mm	1950 x 595 x 625	1950 x 595 x 625	1950 x 595 x 625	1950 x 595 x 625	
Outdoor Unit	Power Supply			0,#,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			-	--	●	●	●	
	Sound	Sound	Heating Std		dB(A)	45	48	50	52
		Pressure	Cooling Std		dB(A)	45	48	50	54
		Sound	Heating Std		dB(A)	61	63	64	66
		Power	Cooling Std		dB(A)	62	64	65	68
	Dimensions	Net Weight			Kg	58.5	76	110	110
		Net Dimensions (WxHxD)			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	0,68	0,78	1,49	1,49	
				kg	1,00	1,15	2,20	2,20	
Piping	Water Pipe	Inlet/Outlet		Ø,mm	28/28	28/28	28/28	28/28	
	Water Pipe (DHW)	Inlet/Outlet		Ø,mm	22/22	22/22	22/22	22/22	
Operation	Ambient Temperature	Heating		°C	-25-35	-25-35	-25-35	-25-35	
		Cooling		°C	10-46	10-46	10-46	10-46	
		DHW		°C	-25-43	-25-43	-25-43	-25-43	