



TADIRAN

Alpha H

Air Conditioning



Alpha H R32



Outdoor

Remote Controller

Model			Alpha H inverter 9R	Alpha H inverter 12R	Alpha H inverter 18R	Alpha H inverter 24R
Cooling						
Capacity	Nominal (Min-Max)	Btu/h	8870(2730-10238)	11920(2730-12286)	17060(4430-19790)	25880(7500-29000)
	Nominal (Min-Max)	kW	2.6(0.8-3.0)	3.2(0.8-3.6)	5.0(1.3-5.8)	7.0(2.2-8.5)
Energy Efficiency	SEER/EER		6.1/3.23	6.1/3.01	6.1/3.41	7.1/3.23
Energy Class			A++	A++	A++	A++
Pdesign Capacity		kW	2.6	3.2	5.0	7.0
Power Input	Nominal (Min-Max)	kW	0.8(0.3-1.2)	1.06(0.3-1.6)	1.46(0.40-2.00)	2.16(0.70-2.90)
Annual Energy Consumption		kWh/a	149	184	287	350
Operating Limits	Min-Max	C	-10-43 C (out)	-10-43 C (out)	-10-43 C (out)	-10-43 C (out)
Heating						
Capacity	Nominal (Min-Max)	Btu/h	9555(2730-10920)	11603(2730-14330)	17740(4770-20470)	27640(8190-34120)
Capacity	Nominal (Min-Max)	kW	2.8(0.8-3.2)	3.4(0.8-4.2)	5.2(1.4-6.0)	8.1(2.4-10.0)
Energy Efficiency	SCOP/COP (Mid)		4/3.71	4/3.40	4.0/3.71	4.0/3.71
	SCOP (Warm/Cold)		5.1/-	5.1/-	5.1/-	5.1/-
Energy Class	Mid/Warm/Cold		A+/A+++/-	A+/A+++/-	A+/A+++/-	A+/A+++/-
Pdesign Capacity (-10°C)		kW	2.4	2.8	4.6	5.6
Power Input	Nominal (Min-Max)	kW	0.75(0.3-1.4)	1.0(0.3-1.6)	1.40(0.52-2.5)	2.18(0.70-2.90)
Annual Energy Consumption		kWh/a	840	980	1610	1963
Operating Limits		C	-15-24 C (out)	-15-24 C (out)	-15-24 C (out)	-15-24 C (out)
Power Supply	Ph/V/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/230/50
	Position		outdoor	outdoor	outdoor	outdoor
Indoor						
Net Dimension	W/D/H	mm	820/195/280	820/195/280	1008/225/318	1125/240/335
Package Dimension	W/D/H	mm	909/279/355	909/279/355	1085/329/403	1206/342/418
Net/Shipping Weight		kg	8.2/10.5	8.2/10.5	11.6/14.4	14/17.5
Air Flow (Cooling/Heating)	Max	m ³ /h	500	550	900	1200
Sound Power Level	Cooling (H4)	dB(A)	54	56	57	60
	Heating (H4)	dB(A)	54	56	57	60
Sound Pressure Level	Cooling (H/Mid/Lo/So)	dB(A)	37/33/29/19	38/34/29/20	44/40/35/28	47/43/37/30
	Heating (H/Mid/Lo/So)	dB(A)	37/33/29/19	38/34/29/20	44/40/35/28	47/43/37/30
Moisture Removal		10-3m ³ /h	1	1.4	2.0	2.8
Outdoor						
Compressor			HIGHLY	HIGHLY	HIGHLY	HIGHLY
Net Dimension	W/D/H	mm	700/245/544	700/245/544	800/275/553	890/333/697
Package Dimension	W/D/H	mm	845/320/593	845/320/593	908/405/625	1046/460/780
Net/Shipping Weight		kg	22.8/25.3	23.5/26	32.7/36.5	47.3/52.3
Air Flow (Cooling/Heating)	Max	m ³ /h	2100	2100	2500	2900
Sound Power Level	H1	dB(A)	62	63	65	65
Sound Pressure Level	H1	dB(A)	49	50	53	52
Running Current	Max	A	6.2	7.1	11.3	13
Refrigerant Type	R32		R32	R32	R32	R32
Refrigerant Charge	R32	g	510	530	900	1200
Refrigerant Pipe	Liquid Side Diameter	mm	6.35	6.35	6.35	6.35
	Gas Side Diameter	mm	9.52	9.52	12.7	12.7
	Max Pipe Length/Height	m	20/10	20/10	25/15	25/15
	Max Pipe Length without Additional Charge	m	5	5	7	7
	Additional Charge	g	20	20	20	20

Key Features



Whispering Air



Self-Clean



Intelligent Air



Comfortable Sleep

DRY

Dry Function



-15°C Heating



WiFi
Wi-Fi Control (hOn)



Extended
Kickstand

Rating Conditions:
Cooling Indoor 27°C
DB / 19°C WB, Cooling
Outdoor 35°C DB /
24°C WB, Heating
Indoor 20°C DB,
Heating Outdoor 7°C
DB / 6°C WB, (DB: Dry
Bulb; WB: Wet Bulb)