

Specifications

AR35 and AR30 R32

- Digital Inverter Compressor.
 - HD Filter system.
 - 2-Way Auto Swing function to automatically control airflow direction.
- Fin Protector to protect condensor and optimise Heat Exchanger performance.

			AR35				AR30	
								
Indoor Unit			AR09TXHQASINEU	AR12TXHQASINEU	AR18TXHQASINEU	AR24TXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU
Outdoor Unit			AR09TXHQASIXEU	AR12TXHQASIXEU	AR18TXHQASIXEU	AR24TXHQASIXEU	AR09TXHQBWKXEU	AR12TXHQBWKXEU
Capacity								
Capacity	Cooling (Nominal)	kW	2.6	3.5	5.3	7.0	2.6	3.5
	Cooling (Min–Max)	kW	0.9–3.4	1.1–4.2	1.8–6.1	2.1–8.0	0.9–3.4	1.1–4.2
	Heating @ +7 °C	kW	2.9	3.8	5.3	7.3	2.9	3.8
	Heating (Min–Max)	kW	0.8–3.4	1.1–4.2	1.4–6.7	1.6–8.8	0.8–3.4	1.1–4.2
Performance								
Energy Efficiency Cooling	SEER ¹	W/W	6.3/ 	6.1/ 	7.1/ 	6.1/ 	6.3/ 	6.1/ 
	Power Consumption	kWh/a	156	211	256	412	156	211
	Pdesignc	kW	2.8	3.6	5.2	7.0	2.8	3.6
	EER	W/W	3.43	2.90	3.43	2.87	3.43	2.90
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ 	3.9/ 	4.0/ 	3.9/ 	4.0/ 	3.9/ 
	Power Consumption	kWh/a	910	969	1,435	1,723	910	969
	Pdesignh (average)	kW	2.6	2.7	4.1	4.8	2.6	2.7
	COP ¹	W/W	3.91	3.50	3.56	2.71	3.91	3.50
Moisture Removal		l/h	1.0	1.2	1.8	2.6	1.0	1.2
Maximum Airflow (Cooling)	Indoor Unit	m³/min	7.77	9.00	14.00	16.33	7.77	9.00
	Outdoor Unit	m³/min	-	-	--	-	-	-
Sound Power	Indoor Unit (Cooling)	dB(A)	55	55	55	59	55	55
	Outdoor Unit (Cooling)	dB(A)	62	65	63	68	62	65
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	36/20	37/22	42/25	43/28	36/20	37/22
	Outdoor Unit High	dB(A)	49	50	51	56	49	50
Operating Temperature Range	Cooling	°C	-10–46	-10–46	-10–46	-10–46	-10–46	-10–46
	Heating	°C	-15–24	-15–24	-15–24	-15–24	-15–24	-15–24
Electrical Data								
Power Source		Φ, V, Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Digital Inverter	Digital Inverter	Digital Inverter	Digital Inverter	Digital Inverter	Digital Inverter
Power Consumption	Cooling	W	770	1,213	1,539	2,450	770	1,213
	Heating	W	750	1,088	1,480	2,700	750	1,088
Operating Current	Cooling	A	3.3	5.3	6.9	10.4	3.3	5.3
	Heating	A	3.2	4.7	6.4	11.7	3.2	4.7
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	805 x 285 x 194	805 x 285 x 194	957 x 302 x 213	1,040 x 327 x 220	805 x 285 x 194	805 x 285 x 194
	Outdoor Unit	mm	720 x 495 x 270	720 x 495 x 270	800 x 554 x 333	845 x 702 x 363	720 x 495 x 270	720 x 495 x 270
Net Weight	Indoor Unit	kg	8.1	8.1	10.5	12.5	8.1	8.1
	Outdoor Unit	kg	23.2	23.2	34.0	52.0	23.2	23.2
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Charging (for 5 m)	kg	0.55	0.55	1.00	1.60	0.55	0.55
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.37	0.68	0.68	1.10	0.37	0.37
	Additional Refrigerant Charging	g/m	12	12	12	12	12	12
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	25	25	30	50	25	25
Piping Height	Max	m	10	10	20	25	10	10
Piping Connections	Drain Pipe	ø, mm	-	-	-	-	-	-
Functions								

			AR35				AR30	
								
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Outdoor Unit			AR09TXHQASIXEU	AR12TXHQASIXEU	AR18TXHQASIXEU	AR24TXHQASIXEU	AR09TXHQBWKXEU	AR12TXHQBWKXEU
Airflow	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
	Airflow Control Step (Cool/Fan)		3/3	3/3	3/3	3/3	3/3	3/3
	Auto Fan Speed		●	●	●	●	●	●
Air Purification	Tri-Care Filter		-	-	-	-	-	-
	HD Filter		●	●	●	●	●	●
	Auto Clean (Self-Cleaning)		-	-	-	-	-	-
Operating Mode	2-Step Cooling		-	-	-	-	-	-
	Fast Cooling		●	●	●	●	●	●
	Comfort		-	-	-	-	-	-
	D'light Cool		-	-	-	-	-	-
	Good Sleep		●	●	●	●	●	●
	Dehumidification		●	●	●	●	●	●
	Auto		●	●	●	●	●	●
	Fan		●	●	●	●	●	●
	Quiet		-	-	-	-	-	-
Other Functions	Wi-Fi Control		-	-	-	-	-	-
	24-Hour Timer/Real Timer		●	●	●	●	●	●
	Indoor Temperature Display		●	●	●	●	●	●
	Display On/Off	88 Display	●	●	●	●	●	●
	Beep On/Off		●	●	●	●	●	●
	Auto Changeover		-	-	-	-	-	-
	Auto Restart		●	●	●	●	●	●

Accessory



Wireless Remote Controller (included)

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.