

FLOOR/CEILING - *Low temperature*

COOLING ONLY AIR CONDITIONER



This range offers
5 models in R410A
and 1 model in R407C.

Performance

- Cooling mode up to 10°C indoor temperature and 0°C outdoor temperature

Air purity

- Standard washable air filters

Functions

- Wired manual thermostat with output for electrical heater

Technology

- Automatic defrost system by temperature sensor
- Auto restart
- Scroll compressor (sizes: 36, 48 and 60)



ABT24A



The information and pictograms on this page may not apply to all the models of this range. Please refer to the technical specifications on the next page, or consult us.

FLOOR/CEILING - Low temperature

Cooling only air conditioner



Technical specifications



BA10AV

ABT18A

ABT24A

ABT36A

ABT48A

ABT60A

CAPACITIES⁽¹⁾

Capacity	W	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Cooling	W	2400	3420	4570	6860	9140	11430
Cooling	Btu/h	8200	11660	15580	23390	31170	39000

ELECTRICAL SPECIFICATIONS⁽²⁾

Electrical Specification	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Input voltage	V/Ph/Hz	220~240/1N/50	220~240/1N/50	220~240/1N/50	380~415/3N/50	380~415/3N/50	380~415/3N/50
Nominal current in cooling	A	5,4	8,5	11,0	6,5	8,0	9,5
Nominal input in cooling	W	1100	1835	2310	3700	4580	5810
Electrical protection (curve D or aM)	A	12	16	25	12	12	16
Main power supply	-	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor
Main electrical wiring section	Nb x mm ²	3 x 1,5	3 x 2,5	3 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
Section connexion indoor/outdoor	Nb x mm ²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5

PERFORMANCES

Performance	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
EER	W/W	2,18	1,86	1,98	2,00	2,00	1,97
Indoor unit in H/M/L fan speed	m ³ /h	580	800 / 600 / 500	1000 / 900 / 700	1400 / 1200 / 1000	2000 / 1800 / 1600	2000 / 1800 / 1600
Outdoor unit airflow	m ³ /h	1220	2400	3000	5000	6000	6000
Indoor unit noise level ⁽³⁾	dB(A)	33	43 / 41 / 38	45 / 43 / 40	46 / 44 / 42	47 / 46 / 44	47 / 46 / 44
Outdoor unit noise level ⁽³⁾	dB(A)	40	48	55	57	58	58
Compressor	-	rotary	rotary	rotary	scroll	scroll	scroll

DIMENSIONS

Dimension	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Indoor unit (W×H×D)	mm	990 × 655 × 199	995 × 660 × 206	995 × 660 × 206	1285 × 660 × 206	1670 × 680 × 244	1670 × 680 × 244
Outdoor unit (W×H×D) ⁽⁴⁾	mm	825 × 500 × 270	845 × 695 × 313	895 × 860 × 300	990 × 960 × 336	940 × 1245 × 340	940 × 1245 × 340
Max. room volume (indicative)	m ³	60	85	115	170	230	285

WEIGHT

Weight	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Indoor / outdoor	Kg	26 / 42	27 / 52	30 / 68	34 / 90	52 / 112	52 / 112

REFRIGERANT PIPING

Refrigerant Piping	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Initial charge in outdoor unit	g	1150 (7,5m)	2050 (5m)	2600 (5m)	3100 (5m)	4000 (5m)	4200 (5m)
Liquid / gaz pipes diameters	inch	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	1/2 - 3/4	1/2 - 3/4	1/2 - 3/4
Max piping length	m	15	25	30	30	30	30
Max piping height	m	10	15	20	20	20	20
Additional charge	g/m	10	30	65	90	90	90

CONDENSATE

Condensate	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Condensate pipe outdoor diameter	mm	24	25	25	25	25	25

WORKING LIMITS

Working Limits	Unit	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Cooling MAXI (indoor/outdoor)	(°C) db	21 / 43	21 / 43	21 / 43	21 / 43	21 / 43	21 / 43
Cooling MINI (indoor/outdoor)	(°C) db	12 / +5 ⁽⁷⁾	10 / 0 ⁽⁷⁾	10 / 0 ⁽⁷⁾	10 / 0 ⁽⁷⁾	10 / 0 ⁽⁷⁾	10 / 0 ⁽⁷⁾

EQUIPMENT

Equipment	BA10AV	ABT18A	ABT24A	ABT36A	ABT48A	ABT60A
Remote control type	Wired therm. ⁽⁵⁾	Wired therm. ⁽⁵⁾	Wired therm. ⁽⁵⁾	Wired therm. ⁽⁵⁾	Wired therm. ⁽⁵⁾	Wired therm. ⁽⁵⁾
Automatic regulation mode	CHANGE OVER ⁽⁵⁾	CHANGE OVER ⁽⁵⁾	CHANGE OVER ⁽⁵⁾	CHANGE OVER ⁽⁵⁾	CHANGE OVER ⁽⁵⁾	CHANGE OVER ⁽⁵⁾
Auto defrost	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
Auto restart	● ⁽⁶⁾	● ⁽⁶⁾	● ⁽⁶⁾	● ⁽⁶⁾	● ⁽⁶⁾	● ⁽⁶⁾
Pressostatic low ambient kit	●	●	●	●	●	●
Fan speeds: fan / cooling	3 / 3	3 / 3	3 / 3	3 / 3	3 / 3	3 / 3
Vertical sweep	MANU	MANU	MANU	MANU	MANU	MANU
Horizontal sweep	MANU	MANU	MANU	MANU	MANU	MANU
Restart delay	●	●	●	●	●	●

⁽¹⁾12°C db ind. 35°C db outdoor

⁽²⁾The electrical specifications are different when a convector is connected to the heating output of the thermostat. In this case, the electrical wiring sections and the electrical protection must imperatively be re-evaluated (please consult us).

⁽³⁾At 1m, indoor unit in H/M/L fan speed

⁽⁴⁾Overall dimensions

⁽⁵⁾Wall mounted wired thermostat with heating output for convector and automatic change-over regulation.

⁽⁶⁾Should a short accidental power cut arise.

⁽⁷⁾Pressostatic low ambient kit fitted in factory.

Specifications subject to change without notice