

AFAIR 10B

Air Conditioners



Features

- Top discharge directs hot air and noise away from the living area
- Durable Copeland® scroll compressors with internal pressure relief valves and inherent thermal protection
- All units are run tested to ensure faultless operation
- Nailtex® Hail Guard™ protects against fin damage that can reduce efficiency
- Easy-access electrical panels, pre-wired for easy hook-up
- Hinged control panels for simple access to internal components
- Service valve gauge ports positioned for access room for low-loss fittings
- External brass service/shut-off valve save refrigerant charge for safer operation

- Liquid line filter drier prevent moisture and compressor damage
- High quality condenser coil-copper tube with enhanced louvered fin for greater heat transfer
- Permanently lubricated condenser fan motor needs no annual maintenance
- Heavy-gauge, pre-painted cabinet for corrosion protection
- Accumulator is standard on all models
- Precharged for 15 feet of interconnecting tubing
- ETL/ETLC approved
- ARI listed/certified

Efficiency:

10 SEER

Warranty:

5-year limited—compressor 5-year limited—parts

Capacity:

1-1/2 to 5-ton

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Unit Specifications

		AFAIR10B18	AFAIR10B24	AFAIR10B30	AFAIR10B36-B AFAIR10B36TA	AFAIR10B42	AFAIR10B48 AFAIR10B48T	AFAIR10B60-A AFAIR10B60TA	AFAIR10B60 AFAIR10B60T	
	Face Area (ft.2)	8.19	8.19	8.19	9.83	11.51	14.83	14.83	14.83	
Condensor Coil	Tube/Fin Material	Smooth Cu/ Aluminum	Grooved Cu/ Aluminum	Grooved Cu/ Aluminum	Grooved Cu/ Aluminum	Grooved Cu/ Aluminum	Grooved Cu/ Aluminum	Grooved Cu/ Aluminum	Smooth Cu/ Aluminum	
	Tube Diameter	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
	No. of Rows	1	1	1	1	1	1	1	1	
	Fins per Inch	18	20	18	20	18	18	22	22	
Fan	Diameter (in.)	18"	18"	18"	18"	18"	18"	22"	22"	
ser	No. of Blades	3	3	3	3	3	3	3	3	
Condenser	RPM	1100	1100	1100	1100	1100	1100	1100	1100	
Cor	Motor HP	1/10	1/10	1/10	1/5	1/5	1/5	1/4	1/4	
Liquid Line Connection		3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
Vapor Line Size Required		5/8"	5/8"	3/4"	3/4"	7/8"	7/8"	1-1/8"*	1-1/8"*	
Vapor Line Connection		5/8"	5/8"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	
Indoor Section		DUP18AA	DUP24AA	DUP30AA	DUP36BA	DUP42BA	DUP48CA	DUP60CA	DUP60CA	
Airflow (SCFM)		600	800	1000	1200	1400	1650	1800	1800	
Net Capacity (BTUH/HR)		18,000	24,000	29,400	35,000	40,000	45,500	57,000	57,000	
SEER (BTUH/WATT)	10.00	10.00	10.00	10.00	10.20	10.00	10.00	10.00	
Cabine	t Width	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	30" x 30"	30" x 30"	
Cabinet Depth		22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	22-1/2" x 22-1/2"	30" x 30"	30" x 30"	
Height		23-1/2"	23-1/2"	23-1/2"	27-1/2"	31-1/2"	31-1/2"	27-1/2"	27-1/2"	

^{*}Field-supplied 7/8" to 1-1/8" adapter required. Use of 7/8" vapor line reduces performance approximately 3-4%. Certified in accordance with the ARI Standard 210/240 certification program, which is based on ARI Standard 210/240.

Electrical Data

		AFAIR10B18	AFAIR10B24	AFAIR10B30	AFAIR10B36-B AFAIR10B36TA		AFAIR10B42	AFAIR10B48 AFAIR10B48T		AFAIR10B60-A AFAIR10B60TA		AFAIR10B60 AFAIR10B60T	
Unit	Rated Voltage (Volts)	208/230	208/230	208/230	208/230		208/230	208/230		208/230		208/230	
	Phase	1	1	1	1	3	1	1	3	1	3	1	3
	Frequency (Hz.)	60	60	60	60		60		60		60		60
Com- pressor	Rated Load Amps	9.6	10.9	13.6	16.1	10.0	19.0	20.4	14.0	30.7	19.6	28.6	17.2
	Locked Rotor Amps	49	56	76	82	70	105	102	91	135	105	170	124
Fan Motor	Full Load Amps	0.75	0.75	0.75	1.4 1.45		1.45	1.45		1.45		1.45	
	Locked Rotor Amps	1.4	1.4	1.4	3.0		3.8	3.8		3.8		3.8	
Unit	Max. Fuse Size*	20	25	25	30	20	40	45	30	60	40	60	40
	Min. Circuit Ampacity**	12.8	14.4	16.6	19.8	13.5	25.2	26.9	18.9	38.9	25.7	37.2	22.9

^{*}Time delay fuse/HACR Breaker

Accessories

	AFAIR10B18	AFAIR10B24	AFAIR10B30	AFAIR10B36-B AFAIR10B36TA		AFAIR10B42	AFAIR10B48 AFAIR10B48T		AFAIR10B60-A AFAIR10B60TA		AFAIR10B60 AFAIR10B60T	
High Pressure Switch	70L70	70L70	70L70	70L70		70L70	70L70		70L70		70L70	
Low Pressure Switch	70L71	70L71	70L71	70L71		70L71	70L71		70L71		70L71	
Short Cycle Protection	70L73	70L73	70L73	70L73		70L73	70L73		70L73		70L73	
Hard Start Kit	70L74	70L75	70L75	70L81 –		70L77	70L78	-	70L78	-	70L79	_
Crankcase Heater	70L82	70L82	70L82	70L82 –		70L82	70L82	_	_	_	70L83	_
Sound Blanket	70L85	70L85	70L85	70L85		70L85	70L85		70L89		70L86	
Low Ambient Kit	70L90	70L90 70L90 70L90			70L90	70L90		70L90		70L90		

^{**}Refer to national Electrical Code (or Canadian Electrical Code) to determine wire size, fuse and disconnect size requirements.



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