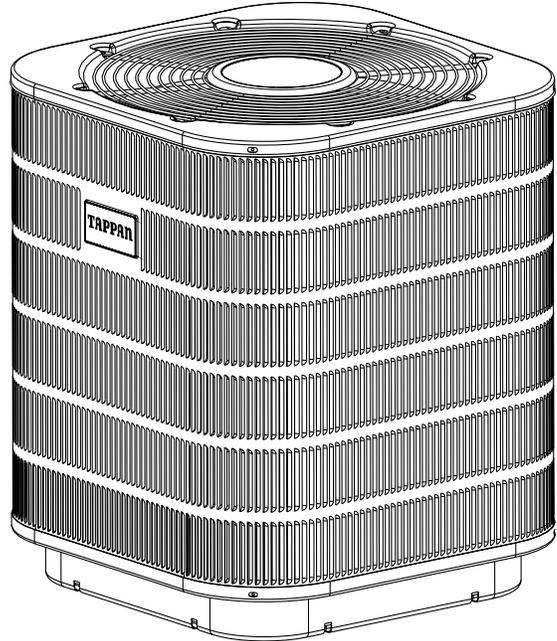


FS3BC Series Extra High Efficiency Air Conditioner 12+ SEER Residential System 1-1/2 – 5 Ton Capacity

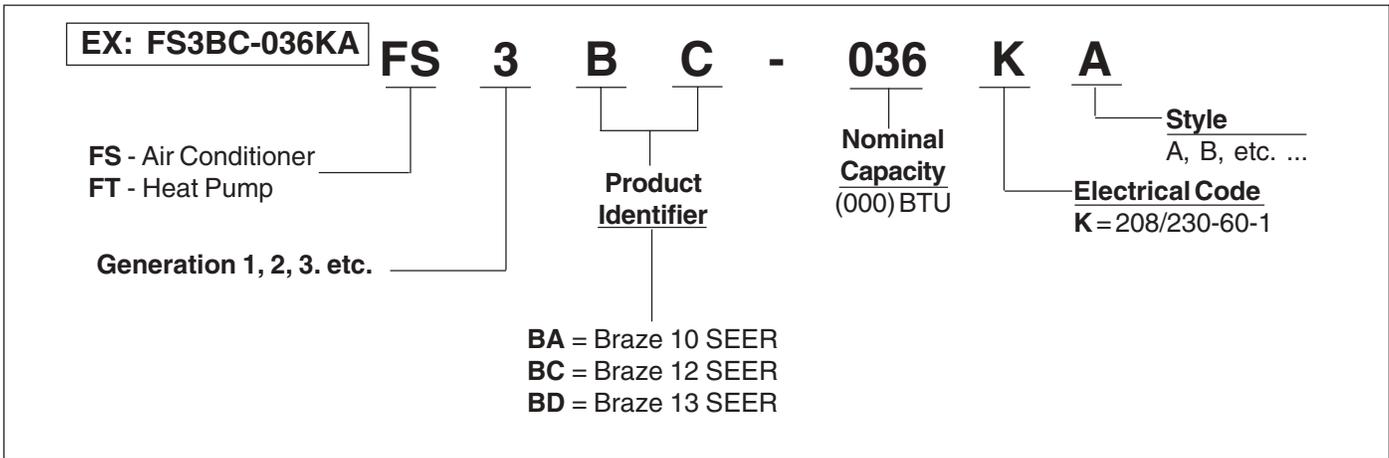
The FS3BC Series of air conditioners offers exceptional performance from a small, compact package. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment. Units are ideally sized for slab or rooftop mounting in single, multifamily, and light commercial applications.



FEATURES and BENEFITS

- **Designed using galvanized steel** – with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils** – Both indoor and outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor** – A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Full Service Valves** – These brass valves are easily accessible and simplify servicing of the refrigeration system.
- **Louvered Condenser Guard** – Durable metal guard protects the coil from yard hazards and extreme weather.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **2-1/2" Pedestal Base** – The sturdy base keeps the bottom of the coil out of harms way. Secondly, the base has weep holes along the edge to allow the water from rain to flow away from the unit.
- **Five Minute Restart Time Delay** – When the unit shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Crankcase Heat** – Protection from liquid flood back and future compressor failures (not required on scroll compressor models).
- **Easy Compressor and Control Access** – Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **8 Year Limited All Parts Warranty, 5 Year Quality Pledge, 10 Year Parts Coverage on Compressor** – The best in the industry and has proven to be a major benefit to the consumer.

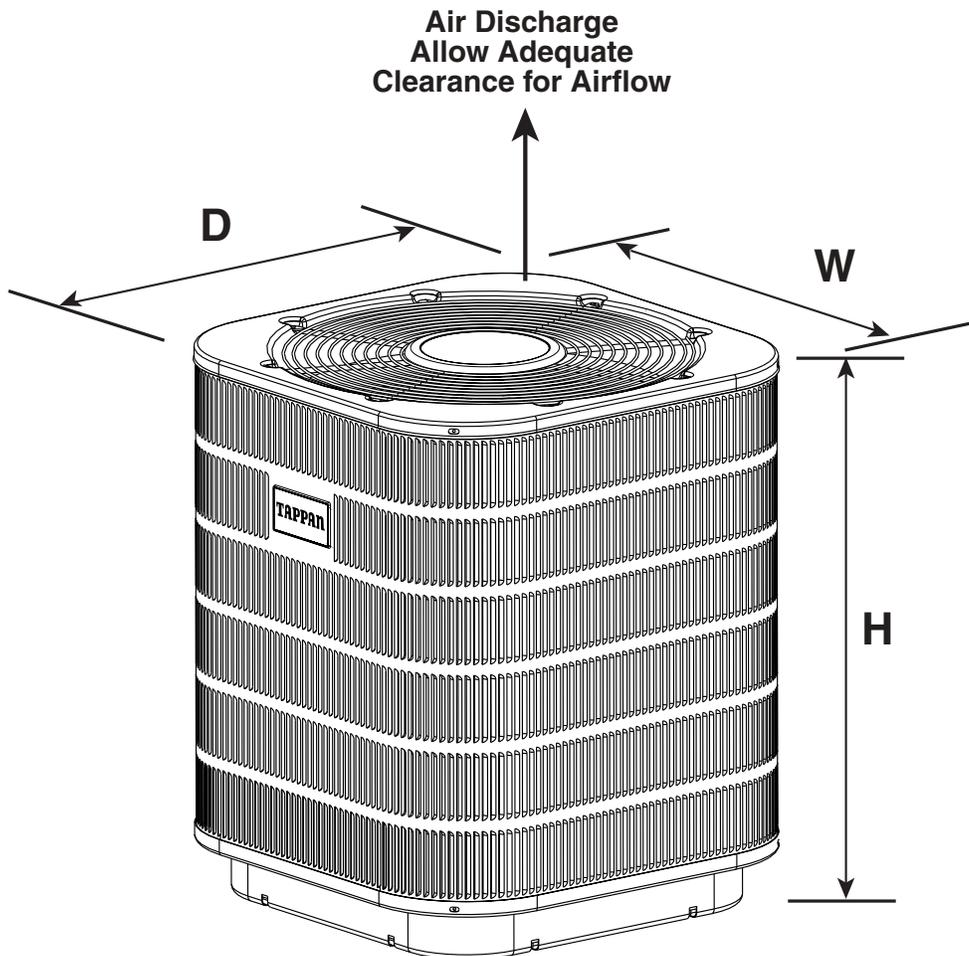
MODEL IDENTIFICATION CODES



DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

FS3BC-	018	024	030	036	042	048	060
H	22 1/2	26 1/2	30 1/2	34 1/2	30 1/2	34 1/2	42 1/2
W	22 1/2	22 1/2	22 1/2	22 1/2	30 1/2	30 1/2	30 1/2
D	22 1/2	22 1/2	22 1/2	22 1/2	30 1/2	30 1/2	30 1/2



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

12 SEER — Extra High Efficiency — Single Phase

Model Number FS3BC-		018	024	030	036	042	048	060	
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	
	Total Amps	10.3	12.8	14.7	17.8	19.8	21.8	29.4	
	Delay Fuse Max. (2)	20	25	30	35	40	45	60	
	Min. Circuit Ampacity	12.8	15.8	18.1	21.9	24.4	26.9	36.4	
Condenser Data	Coil	Area	8.2	9.9	11.5	13.2	17.7	20.3	25.4
		Rows-FPI	1-16	1-18	1-22	1-22	1-22	1-22	1-22
		Tube Dia	3/8" O.D.	3/8" O.D.					
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.34	0.67	1.1	1.4	1.4	1.4	1.4
		Watts-HP	37.3 - 1/20	74.6 - 1/10	93.3 - 1/8	186.5 - 1/4	186.5 - 1/4	186.5 - 1/4	186.5 - 1/4
	Fan Blade	Dia-# Blades	18" - 3	18" - 3	18" - 3	18" - 4	24" - 3	24" - 3	24" - 3
		SCFM	1630	1980	2345	2800	4000	4000	4000
	Compressor Data	RLA	10	12.1	13.6	16.4	18.4	20.4	28
		LRA	41	54	67	83	95	109	148
Refrigerant suction line O.D.(all length of liquid line are 3/8" O.D.)	0-24 ft.	5/8" (3)	3/4"	3/4"	3/4" (4)	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (5)	
	40-75 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (5)	
Refrigerant charge (R-22) in ounces for outdoor unit, indoor unit and 15' lineset.		61	63	68	82	102	110	155	
Weight	Net	96	103.5	128	142	174	186	238	
Approximate (lbs.)	Ship	105	112.5	137	151	186	198	250	

* Values shown are most severe and may vary slightly depending on the make of the compressor supplied.

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 3/4" to 5/8" reducer from unit to line.

(4) Requires 7/8" to 3/4" reducer from line to unit.

(5) Requires 7/8" to 1-1/8" reducer from line to unit.

ACCESSORIES - Condensing Unit

Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

COPPER WIRE SIZE — AWG				
(1% Voltage Drop)				
Supply Wire Length-Feet				Supply Circuit Ampacity
200	150	100	50	
6	8	10	14	15
4	6	8	12	20
4	6	8	10	25
4	4	6	10	30
3	4	6	8	35
3	4	6	8	40
2	3	4	6	45
2	3	4	6	50

Wire Size based on N.E.C. for 60° type copper conductors.

SYSTEM COOLING CAPACITIES

12 SEER — Extra High Efficiency — Single Phase

With this Coil					
Outdoor Unit Number FS3BC-	Indoor Unit Number C3BA-	BTUH	SEER	SCFM	Required Orifice
018KA	024(U,C)-A+TDR (1)	17100	12	600	0.055 (3)
018KA	030(U,C)-A	18000	12	600	0.055 (3)
018KA	030(U,C)-B+TDR	18000	12	600	0.055 (3)
024KA	030(U,C)-A/B	23600	12	800	0.060 (3)
030KA	036(U,C)-A/B (1)	28600	12	1025	0.065 (3)
036KA	043(U,C)-A+TDR	34600	12	1150	0.075 (3)
036KA	042(U,C)-B	34600	12	1250	0.075 (2)
042KA	048(U,C)-B+TDR (1)	40000	12	1250	0.077 (3)
042KA	048(U,C)-C+TDR	40000	12	1250	0.077 (3)
048KA	050(C)-B	46000	12	1600	0.082 (3)
048KA	060(U,C)-C (1)	46000	12	1600	0.082 (3)
060KA	060(U,C)-C+TDR (1)	56000	12	1700	0.093 (2)

With this Air Handler					
Outdoor Unit Number FS3BC-	Indoor Unit Number B3B(M,V)-	BTUH	SEER	SCFM	Required Orifice
018KA	024K-AB	17100	12	600	0.055 (3)
018KA	030K-(A,B)B	18000	12	600	0.055 (3)
024KA	030K-(A,B)B	23600	12	800	0.060 (3)
030KA	036K-BB	28600	12	875	0.065 (3)
036KA	042K-BB	34600	12	1250	0.075 (2)
042KA	048K-BB	40000	12	1425	0.077 (3)
048KA	060K-CB	46000	12	1730	0.082 (3)
060KA	066K-CB	56000	12	1600	0.099 (3)

(1) Available as horizontal coil.

(2) Supplied with indoor coil or air handler.

(3) Field supplied.

See current ARI Directory for certified combinations and ratings.



We Encourage Professionalism



Through Technician Certification by NATE



CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

948A-1103 (Replaces 948A-0703)

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.