

## **FT4BE Series R-410A High Efficiency Heat Pump 14 SEER Residential System 1 1/2 – 5 Ton Capacity**

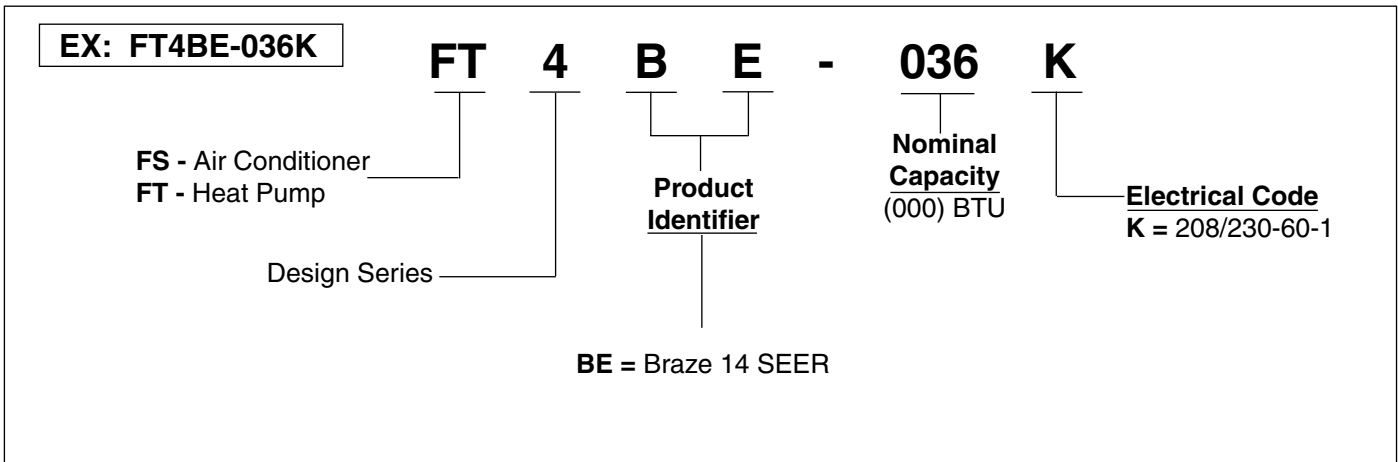
Frigidaire now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated R-410A. The FT4BE Series of heat pumps offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

### **FEATURES and BENEFITS**

- **Warranty**
  - This product offers a 10-year all-parts warranty.
  - This product offers a 10 year Quality Pledge to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 10 years of operation, to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.
  - Consumer product registration required for both 10 year All Parts Warranty and Quality Pledge within a limited period of time after the installation. See current warranty document or visit our consumer web site listed on the back of this document for warranty details.
- **R-410A Refrigerant** – Earth friendly non-ozone depleting refrigerant.
- **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.
- **Composite Base Pan** – Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Full Port Suction Valve** – Full port brass ball valve provides low pressure drop and ease of service. The valve is actuated by 1/4 turn full open to full close.
- **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.
- **Swept-Wing Fan Blade** – Designed to significantly reduce unwanted noise.
- **High Pressure Switch** – Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Low Pressure Switch** – Loss charge protection ensures long compressor life. Auto-reset feature prevents nuisance service trips.
- **Liquid Line Filter Drier** – Included with unit, field installed.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **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.
- **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.



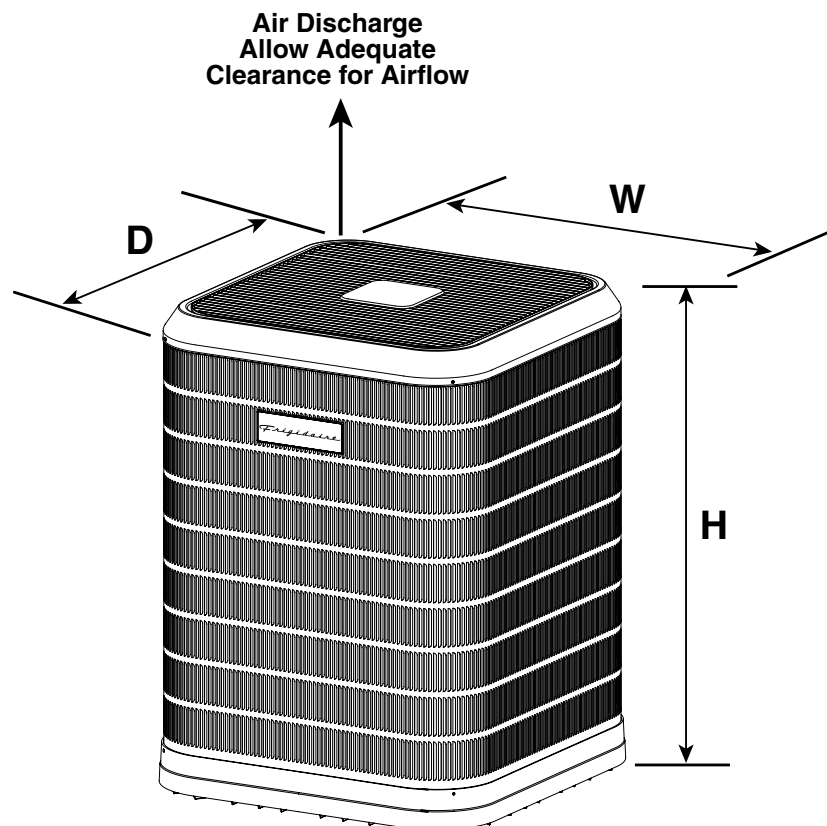
## MODEL IDENTIFICATION CODES



## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

FT4BE	018K	024K	030K	036K	042K	048K	060K
H	45	45	45	45	45	45	45
W	31 1/4	31 1/4	31 1/4	31 1/4	31 1/4	31 1/4	31 1/4
D	31 1/4	31 1/4	31 1/4	31 1/4	31 1/4	31 1/4	31 1/4



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 14 SEER — High Efficiency — Single Phase

Model Number FT4BE		018K	024K	030K	036K	042K	048K	060K	
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	11.86	16.34	15.7	16.98	20.82	21.24	27.64	
	Delay Fuse Max. (2)	20	30	30	30	40	45	60	
	Min. Circuit Ampacity	14.1	19.7	18.9	20.5	25.3	26.2	34.2	
Condenser Data	Coil	Area ft <sup>2</sup>	25.4	25.4	25.4	25.4	25.4	25.4	25.4
		Rows-FPI	1-20	1-20	1-20	1-20	1-20	2-16	2-16
		Tube Dia	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.
	Fan Motor	Type	BLDC	BLDC	BLDC	BLDC	BLDC	PSC	PSC
		Amps	2.9	2.9	2.9	2.9	2.9	1.4	1.4
		Watts-HP	1/3	1/3	1/3	1/3	1/3	1/4	1/4
	Fan Blade	Dia-# Blades	24"-2	24"-2	24"-2	24"-2	24"-2	24"-2	24"-2
		SCFM	2800	2800	2800	3400	4000	4000	4000
	Compressor Data	RLA	8.96	13.44	12.8	14.08	17.92	19.84	26.24
		LRA	48	58.3	64	77	112	109	134
Refrigerant suction line O.D.(all length of liquid line are 3/8" O.D.)	0-24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	1 1/8" (3)	1 1/8" (3)	
	40-75 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	1 1/8" (3)	1 1/8" (3)	
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' line set.		166	166	168	174	256	246	230	
Weight Approximate (lbs.)	Net	179	180	180	182	279	280	290	
	Ship	188	189	189	191	294	295	305	

(1) Operating Voltage Range: 187V min.- 253V max.

(2) HACR Type Circuit Breaker may be used.

(3) 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

### 14 SEER — High Efficiency — Single Phase

Outdoor Unit Model Number FT4BE	Indoor Unit Model Number C6B(A,H)	Cooling Capacity Btu/h	SEER	EER	Heating Capacity Btu @ 47°F	HSPF	Nominal SCFM
018K	X24(C,U)-(A,B)+MB6BM	18,000	14	12.9	19,000	8.0	610
024K	X24(C,U)-(A,B)+MB6BM	23,400	14	13.0	24,000	8.2	700
030K	X30(C,U)-(A,B)+MB6BM	29,200	14	13.6	29,200	8.5	885
036K	X36(C,U)-(B,C)+MB6BM	34,600	14	13.0	34,400	8.5	1125
042K	X42(C,U)-(B,C)+MB6BM	42,000	14	13.3	40,500	8.5	1325
048K	X48(C,U)-(C,D)+MB6(E,V)M	47,000	14	12.7	42,500	8.5	1625
060K	X60(C,U)-(C,D)+MB6(E,V)M	57,000	14	12.5	53,500	8.5	1650

# SYSTEM COOLING CAPACITIES

## 14+ SEER — High Efficiency — Single Phase

Outdoor Unit FT4BE	Indoor TXV Coil + TDR	Cooling Capacity BTUH	SEER	EER	Heating Capacity BTUH @ 47 F	HSPF	SCFM
018K	C6B(A,H)-X24(C,U)-B	18,000	14	12	19,000	8.0	675
024K	C6B(A,H)-X24(C,U)-B	23,400	14	12	24,000	8.0	750
030K	C6B(A,H)-X30(C,U)-(B,C)	27,200	14	12	29,200	8.0	885
036K	C6B(A,H)-X36(C,U)-C	34,000	14	12	34,400	8.2	1200
042K	C6B(A,H)-X42(C,U)-C	41,500	14	12	40,500	8.2	1325

Outdoor Unit Model Number FT4BE-	Indoor Unit Model Number B4VM-	Cooling Capacity Btu/h	SEER	EER	Heating Capacity Btu/h @ 47°F	HSPF	Nominal SCFM
018K	X24K-(A,B)	19000	15.0	13.5	18800	8.5	675
024K	X24K-(A,B)	23400	15.0	13.5	24600	8.6	675
030K	X30K-B	28400	15.0	13.5	29400	8.7	960
036K	X36K-B	34800	15.0	13.5	33600	8.8	1125
042K	X48K-C	40000	15.5	14.0	38000	9.0	1300
048K	X48K-C	45500	14.0	12.6	44000	8.5	1660
060K	X60K-C	59000	14.0	12.5	52500	8.5	1660

See current AHRI Directory for certified combinations and ratings.  
[www.ahridirectory.org](http://www.ahridirectory.org)



[www.frigidaire.net](http://www.frigidaire.net)

O'Fallon, MO

**NORDYNE**

**485C-0309** (Replaces 485C-1008)  
 Trademark Frigidaire used under license.

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 obligation.  
 Printed in U.S.A. (03/09)