



R454B

Breeze33 Multi-Position Cased Coils

BZ33-PCCM Series Indoor A-Coil

Cooling capacity: 30-60 kBtu/h



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Standard Features:

- Equipped with a refrigerant sensor, suitable for R454b system.
- UL 60335 2-40 and AHRI certificated.
- High efficiency and energy saving, AHRI energy efficiency certificated.
- Multi-position installation accommodated a variety of installation scenarios.
- Broad cooling range from 55 °F to 120 °F.
- Optional factory installed Thermostatic Expansion Valve.
- All aluminum coil for corrosion-resistance.
- 100% insulation, reduces operating sound and enhance thermal insulation.
- Perfect match with Breeze33 gas furnace, no need extra kit for R454b system.

1 Product lineup

Model

BZ33-PCCM3036A, BZ33-PCCM3036B
 BZ33-PCCM3036C, BZ33-PCCM3642B
 BZ33-PCCM3642C, BZ33-PCCM3642D
 BZ33-PCCM4248B, BZ33-PCCM4248C
 BZ33-PCCM4248D, BZ33-PCCM4860C
 BZ33-PCCM4860D

Appearance



2 Nomenclature

BZ33	-	P	CC	M	3036	A
1		2	3	4	5	6

Legend		
No.	Code	Remarks
1	BZ33	Brand: Breeze33
2	P	P: Piston X: TXV
3	CC	Cased Coil
4	M	Multi Position
5	3036	Capacity: 18: 18 kBtu/h; 24: 24 kBtu/h; 30: 30 kBtu/h; 36: 36 kBtu/h
6	A	Cabinet Width

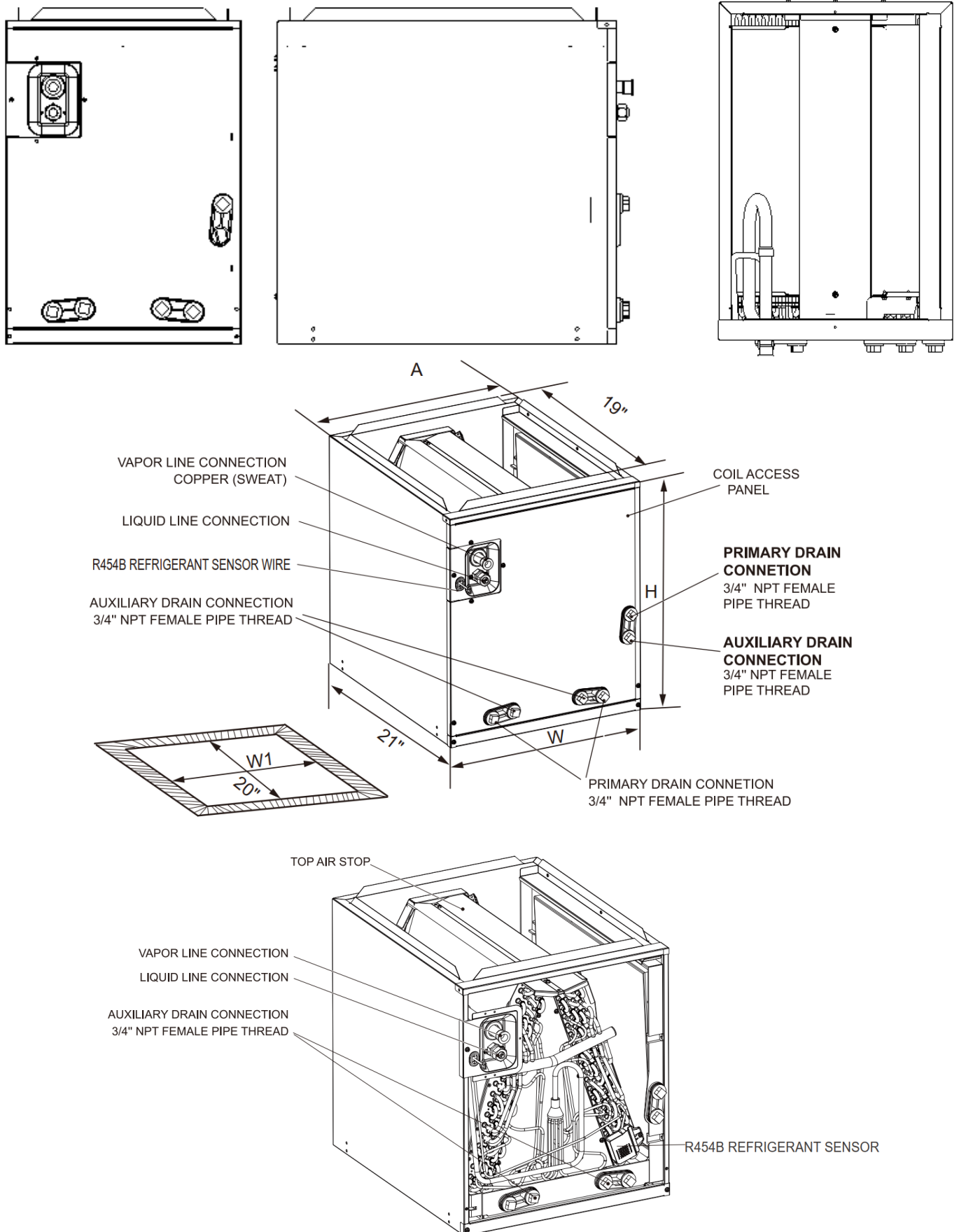
3 Specifications

	BZ33-PCCM3036A	BZ33-PCCM3036B	BZ33-PCCM3036C	BZ33-PCCM3642B
INSTALLATION	Multiple position	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	13 × 19	16 × 19	19-1/2 × 19	16 × 19
NOMINAL RATING				
Max. Cooling (BTU/h)	30,000/36,000	30,000/36,000	30,000/36,000	36,000/42,000
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
DIMENSIONS				
Net dimensions (W × H × D) (in.)	14-1/2 × 20 × 21	17-1/2 × 20 × 21	21 × 20 × 21	17-1/2 × 26 × 21
Packed dimensions (W × H × D) (in.)	24-15/16 × 24-3/16 × 22-1/4	24-15/16 × 20-5/8 × 22-1/4	24-15/16 × 24-3/16 × 22-1/4	24-15/16 × 20-5/8 × 28-1/8
WEIGHT				
Net weight (lbs.)	45	47	49	57
Shipping weight (lbs.)	54	57	55	64

	BZ33-PCCM3642C	BZ33-PCCM3642D	BZ33-PCCM4248B	BZ33-PCCM4248C
INSTALLATION	Multiple position	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	19-1/2 × 19	23 × 19	16 × 19	19-1/2 × 19
NOMINAL RATING				
Max. Cooling (BTU/h)	36,000/42,000	36,000/42,000	42,000/48,000	42,000/48,000
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	3/8	3/8
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
DIMENSIONS				
Net dimensions (W × H × D) (in.)	21 × 26 × 21	24-1/2 × 26 × 21	17-1/2 × 30 × 21	21 × 30 × 21
Packed dimensions (W × H × D) (in.)	24-15/16 × 24-3/16 × 28-1/8	24-15/16 × 27-9/16 × 28-1/8	24-15/16 × 20-5/8 × 32-5/16	24-15/16 × 24-3/16 × 32-5/16
WEIGHT				
Net weight (lbs.)	59	64	73	73
Shipping weight (lbs.)	66	70	79	79

	BZ33-PCCM4248D	BZ33-PCCM4860C	BZ33-PCCM4860D
INSTALLATION	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	23 × 19	19-1/2 × 19	23 × 19
NOMINAL RATING			
Max. Cooling (BTU/h)	42,000/48,000	48,000/60,000	48,000/60,000
EVAPORATOR COIL			
Type	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum
Tube Size (in.)	3/8	3/8	3/8
REFRIGERANT CONNECTION SIZE			
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4
DIMENSIONS			
Net dimensions (W × H × D) (in.)	24-1/2 × 30 × 21	21 × 30 × 21	24-1/2 × 30 × 21
Packed dimensions (W × H × D) (in.)	24-15/16 × 27-9/16 × 32-5/16	24-15/16 × 24-3/16 × 32-5/16	24-15/16 × 27-9/16 × 32-5/16
WEIGHT			
Net weight (lbs.)	75	82	86
Shipping weight (lbs.)	82	88	93

4 Dimensional Drawing



MODELS	Unit Dimensions IN. [mm]					WEIGHT (LBS. [kg])
	UNIT HEIGHT "H"	UNIT WIDTH "W"	SUPPLY DUCT "A"	"W1"	LIQUID LINE/ VAPOR LINE	
BZ33-PCCM3036A	20 [508]	14-1/2 [368]	13 [330]	13-1/2 [343]	3/8 / 3/4	44 [20]
BZ33-PCCM3036B	20 [508]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	46 [21]
BZ33-PCCM3036C	20 [508]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	49 [22]
BZ33-PCCM3642B	26 [660]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	57 [26]
BZ33-PCCM3642C	26 [660]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	59 [27]
BZ33-PCCM3642D	26 [660]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	64 [29]
BZ33-PCCM4248B	30 [762]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	73 [33]
BZ33-PCCM4248C	30 [762]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	73 [33]
BZ33-PCCM4248D	30 [762]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	75 [34]
BZ33-PCCM4860C	30 [762]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	82 [37]
BZ33-PCCM4860D	30 [762]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	86 [39]

5 Airflow Performance

Pressure drop characteristics for cooling (SCFM)								
Model	Pressure drop (Inches of water gauge)							
	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4
BZ33-PCCM3036A	307	485	618	729	823	911	991	1063
BZ33-PCCM3036B	327	527	682	810	925	1024	1122	1217
BZ33-PCCM3036C	360	585	748	893	1019	1132	1238	1348
BZ33-PCCM3642B	401	600	773	916	1045	1160	1256	1357
BZ33-PCCM3642C	457	663	856	1019	1156	1277	1394	1502
BZ33-PCCM3642D	496	718	924	1102	1259	1398	1530	1651
BZ33-PCCM4248B	456	638	810	953	1077	1191	1284	1390
BZ33-PCCM4248C	505	726	932	1098	1244	1375	1494	1604
BZ33-PCCM4248D	533	857	1105	1319	1509	1675	1824	1956
BZ33-PCCM4860C	439	699	906	1071	1224	1362	1487	1589
BZ33-PCCM4860D	466	764	978	1157	1313	1466	1590	1695

Data based on wet coil with entering air at 80 deg F DB / 67 deg F WB without air filter.

The maximum allowable pressure drop is 0.4 in. WC.

The maximum CFM is the data at 0.4 in. WC. pressure

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Due to continuing product improvements, specifications may change without notice.
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