

C10 High Efficiency Series

10 SEER Remote Condensing Units



PERFORMANCE:

Efficiency rating of 10.0 SEER

Cooling capacities from 1½ to 5 tons

Rated in accordance with D.O.E. test standards

FEATURES:

Quiet top air discharge

G-90 galvanized steel exterior cabinet with
1000-hour salt spray, powder-coated finish

Long-life copper tubes, aluminum fin refrigerant coils

State-of-the-art compressors

Powder-coated fan guard and full metal louvered
coil guard for hail protection

Large wrap-around coil surface

Control box located for easy access to electrical controls

Formed base with 2½" ground clearance

Factory-installed liquid line filter dryer

WARRANTY:

Limited 10-year warranty on compressor

Limited 5-year warranty on all parts

C10 High Efficiency Series

MODEL SPECIFICATIONS						
MODEL NUMBER	C1018BBD1	C1024BBD1	C1030BBD1	C1036BBD1	C1036BBD3	C1036BBD4
PERFORMANCE DATA						
NOMINAL COOLING BTU/H	18 000	24 000	30 000	36 000		
SEER BTU/H-W	10.0	10.0	10.0	10.0		
CFM	600	840	1000	1200		
VOLTS/HZ/PHASE	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/3	460/60/3
VOLTAGE RANGE	197-253	197-253	197-253	197-253	187-253	415-508
OPERATING CURRENT AMPS ①	9.8	10.8	11.4	17.0	12.7	5.9
MIN. WIRE AMPACITY	13.0	14.5	20.0	21.7	16.0	15.0
MAX. HACR BREAKER ②	20	20	30	30	25	15
COMPRESSOR DATA						
RLA	8.8	9.8	11.4	15.2	10.9	4.7
LRA	49	60	75	96	70	33
FAN DATA						
DIAMETER	18 INCH / 3 BLADE	18 INCH / 3 BLADE	18 INCH / 3 BLADE	18 INCH / 3 BLADE		
MOTOR TYPE	PSC	PSC	PSC	PSC		
HP (W) / FLA	1/6 / 1.0	1/6 / 1.0	1/6 / 1.0	1/6 / 1.0		1/4 / 1.2
RPM	1075	1075	1075	1075		
CFM	1800	1800	1800	1800		
OUTDOOR COIL						
TYPE	ENHANCED ALUMINUM PLATE FIN / RIFLED COPPER TUBE					
FACE AREA	8.0	8.0	8.0	9.8		
O.D. / F.P.I.-ROWS	5/16 / 18-1	5/16 / 18-1	3/8 / 22-1	3/8 / 18-1		
REFRIGERANT LINE CONNECTIONS						
LIQUID V MODELS	3/8 ID	3/8 ID	3/8 ID	3/8 ID		
VAPOR V MODELS	3/4 ID	3/4 ID	3/4 ID	3/4 ID		
REFRIGERANT CHARGE R-22 (OZ) V MODELS ③	60	56	63	85		
WEIGHTS						
NET WEIGHT — lbs.	119	119	128	139		
SHIPPING WEIGHT — lbs.	125	125	134	146		

COOLING PERFORMANCE DATA MATCHING “A” COIL													
OUTDOOR UNIT MODEL *	CASED EVAPORATOR COIL	RATINGS AT STANDARD CONDITIONS			COOLING DATA AT EXTENDED OUTDOOR AMBIENTS °F.M.B.T.U.H.								
		BTUH	SEER ④	CFM		80	85	90	95	100	105	110	115
C1018BBD1	A22414	18000	10	600	TOTAL	20 200	19 700	19 100	18 000	17 600	16 800	15 900	15 000
					SENSIBLE	14 500	14 200	13 750	13 000	12 700	12 100	11 400	10 800
C1024BBD1	A22414	22 400	10	840	TOTAL	25 500	24 700	23 800	22 400	22 200	21 500	20 700	19 900
					SENSIBLE	18 300	17 800	17 100	16 100	15 900	15 500	14 900	14 330
C1030BBD1	A23617	28 600	10	1000	TOTAL	31 300	30 500	29 800	28 600	28 000	27 000	26 000	25 000
					SENSIBLE	22 500	22 000	21 500	19 300	20 200	19 400	18 700	18 000
C1036BBD1	A23617	34 000	10	1200	TOTAL	36 400	36 000	35 500	34 000	32 400	30 700	29 100	27 500
					SENSIBLE	26 200	25 900	25 600	24 500	23 300	22 100	20 900	19 800
C1042BBD1	A24217	40 000	10	1300	TOTAL	43 000	42 000	41 000	40 000	38 500	37 000	35 500	34 000
					SENSIBLE	31 000	30 200	29 500	28 800	27 700	26 600	25 560	24 500
C1048BBD1	A24817	46 000	10	1550	TOTAL	49 700	48 500	47 300	46 000	44 400	43 000	41 500	39 800
					SENSIBLE	35 800	34 900	34 000	33 100	32 000	31 000	29 900	28 600
C1060CBD1	A26023	56 000	10	1750	TOTAL	58 800	57 900	56 900	56 000	54 000	52 000	50 000	48 000
					SENSIBLE	42 300	41 700	41 000	40 300	38 900	37 400	36 000	34 600

FOOTNOTES:

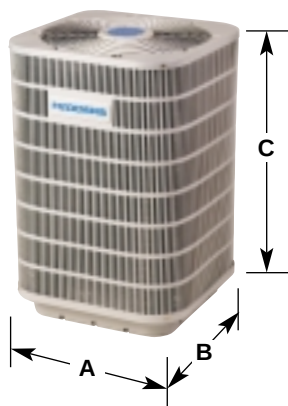
① Amps at 104°F OD temp. 80°F DB / 67°F WB indoor temp. ② Time delay type fuse for HACR Circuit Breaker. ③ Model refrigerant charge for condensing unit, matching evaporator coil and 25' of connecting line set. ④ Requires time delay relay to obtain SEER rating. *Basic model number only. See unit nomenclature on the last page for exact model number. For indoor coils nomenclature see indoor coil specification sheet.

MODEL SPECIFICATIONS

MODEL NUMBER	C1042BBD1	C1048BBD1	C1048BBD3	C1048BBD4	C1060CBD1	C1060CBD3	C1060CBD4
PERFORMANCE DATA							
NOMINAL COOLING BTU/H	42 000	48 000			60 000		
SEER BTU/H-W	10.0	10.0			10.0		
CFM	1300	1550			1750		
VOLTS/HZ/PHASE	208-230/60/1	208-230/60/1	208-230/60/3	460/60/3	208-230/60/1	208-230/60/3	460/60/3
VOLTAGE RANGE	197-253	197-253	187-253	415-508	197-253	187-253	415-508
OPERATING CURRENT AMPS ①	20.7	26.7	16.6	8.7	29.2	18.8	9.1
MIN. WIRE AMPACITY	26.4	31.8	19.3	11.0	36.0	23.0	12.0
MAX. HACR BREAKER ②	35	50	30	15	60	35	15
COMPRESSOR DATA							
RLA	18.5	24.5	14.8	7.5	27.0	16.6	7.9
LRA	103	137	91	46	150	124	59
FAN DATA							
DIAMETER	18 INCH / 4 BLADE	18 INCH / 4 BLADE			22 INCH / 3 BLADE		
MOTOR TYPE	PSC	PSC			PSC		
HP (W) / FLA	1/5 / 1.4	1/5 / 1.4		1/4 / 1.2	1/4 / 2.2		1/4 / 1.2
RPM	1075	1075			1075		
CFM	2400	2400			3400		
OUTDOOR COIL							
TYPE	ENHANCED ALUMINUM PLATE FIN / RIFLED COPPER TUBE						
FACE AREA	12.0	12.0			18.3		
O.D. / F.P.I.-ROWS	3/8 / 18-1	3/8 / 22-1			3/8 / 18-1		
REFRIGERANT LINE CONNECTIONS							
LIQUID V MODELS	3/8 ID	3/8 ID			3/8 ID		
VAPOR V MODELS	7/8 ID	7/8 ID			1-1/8 ID		
REFRIGERANT CHARGE R-22 (OZ) V MODELS ③	92	97			115		
WEIGHTS							
NET WEIGHT — lbs.	148	150			201		
SHIPPING WEIGHT — lbs.	156	158			210		

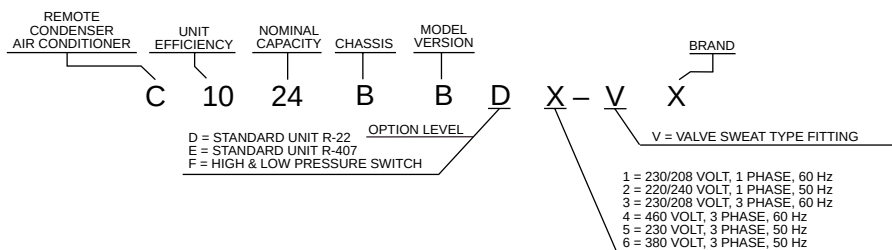
COOLING PERFORMANCE DATA MATCHING AIR HANDLER

OUTDOOR UNIT MODEL*	AIR HANDLER	RATINGS AT STANDARD CONDITIONS			COOLING DATA AT EXTENDED OUTDOOR AMBIENTS °F.M.B.T.U.H.								
		BTUH	SEER ④	CFM		80	85	90	95	100	105	110	115
C1018BBD1	A24B1	18 000	10	600	TOTAL	20 200	19 700	19 100	18 000	17 600	16 800	15 900	15 000
					SENSIBLE	14 500	14 200	13 750	13 000	12 700	12 100	11 400	10 800
C1024BBD1	A24B1	22 400	10	840	TOTAL	25 500	24 700	23 800	22 400	22 200	21 500	20 700	19 900
					SENSIBLE	18 300	17 800	17 100	16 100	15 900	15 500	14 900	14 330
C1030BBD1	A36B1	28 600	10	1000	TOTAL	31 300	30 500	29 800	28 600	28 000	27 000	26 000	25 000
					SENSIBLE	22 500	22 000	21 500	19 300	20 200	19 400	18 700	18 000
C1036BBD1	A36B1	34 000	10	1200	TOTAL	36 400	36 000	35 500	34 000	32 400	30 700	29 100	27 500
					SENSIBLE	26 200	25 900	25 600	24 500	23 300	22 100	20 900	19 800
C1042BBD1	A42B1	40 000	10	1300	TOTAL	43 000	42 000	41 000	40 000	38 500	37 000	35 500	34 000
					SENSIBLE	31 000	30 200	29 500	28 800	27 700	26 600	25 560	24 500
C1048BBD1	A48B1	46 000	10	1550	TOTAL	49 700	48 500	47 300	46 000	44 400	43 000	41 500	39 800
					SENSIBLE	35 800	34 900	34 000	33 100	32 000	31 000	29 900	28 600
C1060CBD1	A60B1	56 000	10	1750	TOTAL	58 800	57 900	56 900	56 000	54 000	52 000	50 000	48 000
					SENSIBLE	42 300	41 700	41 000	40 300	38 900	37 400	36 000	34 600

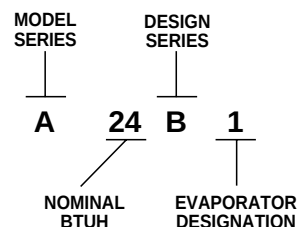


CONDENSER DIMENSIONS (INCHES)						
MODEL	UNIT			SHIPPING		
	A	B	C	A	B	C
C1018B, C1024B	21 ¹ / ₂	21 ¹ / ₂	22 ¹ / ₂	23 ¹ / ₂	23 ¹ / ₂	23
C1030B	21 ¹ / ₂	21 ¹ / ₂	22 ¹ / ₂	23 ¹ / ₂	23 ¹ / ₂	23
C1036B	21 ¹ / ₂	21 ¹ / ₂	26 ¹ / ₂	23 ¹ / ₂	23 ¹ / ₂	27
C1042B	21 ¹ / ₂	21 ¹ / ₂	32 ¹ / ₂	23 ¹ / ₂	23 ¹ / ₂	33
C1048B	21 ¹ / ₂	21 ¹ / ₂	32 ¹ / ₂	23 ¹ / ₂	23 ¹ / ₂	33
C1060C	29 ¹ / ₂	29 ¹ / ₂	32 ¹ / ₂	31 ¹ / ₂	31 ¹ / ₂	33

MODEL KEY: Residential & Light Commercial – Outdoor Unit



MODEL KEY: Air Handler



Fedders Unitary Products
P.O. Box 7938
Longview, TX 75607
(866) 829-2440
FERCS10 REV 1-04



UL & C-UL certified



Rated in Accordance with ARI Standard 210/240.
Certification Applies Only When Used with
Proper Components as Listed with ARI.

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