

Specifications

	Heat Pumps								Universal/Ceiling			
	System 9R		System 12R		System 18R		System 24R		System 22U		System 30CS	
	Indoor ASU9R	Outdoor AOU9R	Indoor ASU12R	Outdoor AOU12R	Indoor ASU18R	Outdoor AOU18R	Indoor ASU24R	Outdoor AOU24R	Indoor ABU22	Outdoor AOU22	Indoor ABU30	Outdoor AOU30
Nominal Cooling <i>BTU/h</i>	9,000		12,000		17,000/16,500		23,000/22,500		21,000/20,000		32,000/31,500	
Nominal Heating <i>BTU/h</i>	10,500		13,700		18,000/17,500		24,000/23,500		-		-	
Moisture Removal <i>PL/40°F</i>	2.1 (1.0)		3.2 (1.5)		5.3 (2.5)		7.4 (3.5)		5.3 (2.5)		8.4 (4.0)	
Indoor Fan Speed <i>RPM/Hz</i>	1,280		1,380		1,580		1,450		1,200		1,000	
<i>Medium</i>	1,150		1,250		1,310		1,300		1,030		900	
<i>Low</i>	970		1,070		1,020		1,150		910		750	
Air Circ. <i>CFM/3/4°C/Hz</i>	277 (470)		306 (520)		430 (730)		559 (950)		530 (900)		997 (1,660)	
<i>Medium</i>	247 (420)		265 (450)		335 (570)		500 (850)		460 (780)		883 (1,500)	
<i>Low</i>	206 (350)		218 (370)		247 (420)		412 (700)		389 (660)		748 (1,270)	
Noise Level <i>dB(A)/Hz</i>	42.5		44		50.5		49.5		49.5		47.0	
<i>Medium</i>	39		41		44.5		45.5		45.0		44.0	
<i>Low</i>	35.5		37		37.5		41.5		41.0		39.0	
Outdoor Fan Speed <i>RPM</i>	790		790		760		760		760		790	
Outdoor Noise Level <i>dB(A)</i>	47.0		49.0		55.0		56.0		56.0		57.0	
HSPF <i>BTU/Wh</i>	7.2		7.2		7.2		7.2		-		-	
Phase-Frequency <i>min</i>	1Ø-60		1Ø-60		1Ø-60		1Ø-60		1Ø-60		1Ø-60	
Current <i>(A/C) Cooling</i>	8.9		11.2		8.1/8.9		10.8/11.		9.6/10.4		15.0/16.0	
<i>Heating</i>	8.9		13.1		8.1/8.9		9.5/10.4		-		-	
Power Use <i>(kW) Cooling</i>	0.97		1.24		1.76/1.74		2.45/2.40		2.18/2.14		3.30/3.25	
<i>Heating</i>	0.99		1.42		1.76/1.74		2.15/2.10		-		-	
Recommended Fuse Size <i>A</i>	15		15		20		20		20		30	
Fan Speeds <i>Step</i>	3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.	
Air Direction: <i>Horizontal</i>	Manual		Manual		Automatic		Automatic		Automatic		Automatic	
<i>Vertical</i>	Manual		Manual		Manual		Automatic		Automatic		Manual	
Air Filter	Washable		Washable		Washable		Washable		Washable		Washable	
Front Grille	Removable		Removable		Permanent		Permanent		Permanent		Permanent	
Connection Method	Flare		Flare		Flare		Flare		Flare		Flare	
Combined Max. Lgth. <i>ft/in</i>	50 (15)		50 (15)		98 (30)		98 (30)		85 (27)		99 (30)	
Max. Vertical Diff. <i>ft/in</i>	24 (7)		24 (7)		36 (11)		36 (11)		36 (11)		49 (15)	
Conn. Pipe Diameter <i>inch</i>	Suction 3/8	Liquid 1/4	Suction 1/2	Liquid 1/4	Suction 5/8	Liquid 3/8	Suction 5/8	Liquid 3/8	Suction 5/8	Liquid 3/8	Suction 3/4	Liquid 3/8
Net Weight <i>lbs (kg)</i>	22 (10)	366 (50)	22 (10)	77 (35)	46 (21)	127 (58)	57 (26)	150 (68)	66 (30)	147 (68)	106 (48)	207 (94)
Dimensions <i>inch/mm/Height</i>	14-9/16(370)	20-7/8(530)	14-9/16(370)	20-7/8(530)	14-3/4(375)	25-5/16(643)	14-3/4(375)	25-5/16(643)	7-13/16(199)	25-5/16(643)	9-7/16(240)	45-3/4(1152)
<i>Width</i>	31-11/16(805)	29-17/32(750)	31-11/16(805)	29-17/32(750)	37-13/32(950)	33-1/16(840)	37-13/32(950)	33-1/16(840)	35-7/16(900)	33-1/16(840)	65-11/32(1660)	50-13/32(1280)
<i>Depth</i>	6-3/32(155)	9-27/32(250)	6-3/32(155)	9-27/32(250)	7-7/8(220)	13-7/32(336)	7-7/8(220)	13-7/32(336)	25-25/32(655)	13-7/32(336)	27-9/16(700)	14-9/16(370)



MEA#
"C" Series
173-95-E
"R" Series
108-96-E

Complete System Warranty

1 Year - Parts
5 Years - Compressor
90 Days - Remote Control

Dual Zone				Air Conditioning									
System 24CD				System 9C		System 12C		System 18C		System 24C		System 30C	
Indoor x1 ASU12Dx1	Outdoor AOU24D	Indoor x2 ASU12Dx2	Outdoor AOU24D	Indoor ASU9	Outdoor AOU9	Indoor ASU12	Outdoor AOU12	Indoor ASU18	Outdoor AOU18	Indoor ASU24	Outdoor AOU24	Indoor ASU30	Outdoor AOU30
11,500/11,300		23,000/22,600		9,000		12,000		17,000/16,500		24,000/23,000		28,800/27,800	
-		-		-		-		-		-		-	
3.2 (1.5)		6.4 (3.0)		2.9 (1.4)		3.8 (1.8)		5.3 (2.5)		7.4 (3.5)		8.4 (4.0)	
1,360		1,360		1,280		1,380		1,580		1,450		1,450	
1,260		1,260		1,150		1,250		1,310		1,300		1,300	
1,100		1,100		970		1,070		1,020		1,150		1,150	
306 (520)		306 (520)		277 (470)		306 (520)		430 (730)		559 (950)		559 (950)	
265 (450)		265 (450)		247 (420)		265 (450)		335 (570)		500 (850)		500 (850)	
218 (370)		218 (370)		206 (350)		206 (350)		247 (420)		412 (700)		412 (700)	
44		44		42.5		44		50.5		49.5		49.5	
42		42		39		41		44.5		45.5		45.5	
38		38		34.5		37		37.5		41.5		41.5	
735		735		780		790		760		760		790	
55.0		55.0		47.0		49.0		55.0		56.5		57.0	
-		-		-		-		-		-		-	
-		10-60		10-60		10-60		10-60		10-60		10-60	
6.6/6.8		11.5/11.7		8.8		11.2		8.1/8.9		11.3/12.1		4.0/15.0	
-		-		-		-		-		-		-	
1.30/1.25		2.5/2.42		0.95		1.25		1.76/ 1.74		2.57/ 2.46		3.03/ 2.95	
-		-		-		-		-		-		-	
20		20		15		15		20		20		30	
3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.		3 + Auto.	
Manual		Manual		Manual		Manual		Automatic		Automatic		Automatic	
Manual		Manual		Manual		Manual		Manual		Manual		Manual	
Washable		Washable		Washable		Washable		Washable		Washable		Washable	
Removable		Removable		Removable		Removable		Permanent		Permanent		Permanent	
Flare		Flare		Flare		Flare		Flare		Flare		Flare	
50(15 per unit)		50(15 per unit)		50 (15)		50 (15)		98 (30)		98 (30)		140 (43)	
25 (8)/(unit)		25 (8)/(unit)		24 (7)		24 (7)		36 (11)		36 (11)		65 (20)	
Suction 1/2	Liquid 1/4	Suction 1/2	Liquid 1/4	Suction 3/8	Liquid 1/4	Suction 1/2	Liquid 1/4	Suction 5/8	Liquid 3/8	Suction 5/8	Liquid 3/8	Suction 3/4	Liquid 3/8
22 (10)	145 (66)	22 (10)	145 (66)	22 (10)	64 (29)	22 (10)	75 (34)	46 (21)	123 (56)	57 (26)	141 (64)	57 (26)	207 (94)
149/16(370)	255/16(643)	149/16(370)	255/16(643)	149/16(370)	207/8(530)	149/16(370)	207/8(530)	143/4(375)	255/16(643)	143/4(375)	255/16(643)	143/4(375)	451/32(1152)
31-11/16(805)	33-1/16(840)	31-11/16(805)	33-1/16(840)	31-11/16(805)	29-17/32(750)	31-11/16(805)	29-17/32(750)	37-13/32(950)	33-1/16(840)	30-13/32(288)	255/16(640)	50-13/32(1288)	37(940)
63/32(155)	137/32(336)	63/32(155)	137/32(336)	63/32(155)	9-27/32(250)	63/32(155)	9-27/32(250)	7-7/8(200)	13-7/32(336)	7-7/8(200)	13-7/32(336)	7-7/8(200)	149/16(370)

• **NOTE:** All condensing units come pre-charged to 16 ft. (5 meters) from factory.

Specifications and design are subject to change without notice for further improvement. Please check with your dealer.

• Cooling capacity is based on the following conditions.
Indoor temperature: 80° F DB/67° F WB (26.7° C DB/19.4° C WB)
Outdoor temperature: 95° F DB/75° F WB (35° C DB/23.9° C WB)

• Heating capacity is based on the following conditions.
Indoor temperature: 70° F DB (21.1° C DB)
Outdoor temperature: 47° F DB/43° F WB (8.3° C DB/6.1° C WB)