

Table 6-3: 13 SEER Physical Data

Component	Models							
	MRC-24CWN1-M13L	MRC-24HWN1-M13L	MRC-36CWN1-M13L	MRC-36HWN1-M13L	MRC-48CWN1-M13L	MRC-48HWN1-M13L	MRC-60CWN1-M13L	MRC-60HWN1-M13L
Nominal Tonnage	2.0	2.0	3.0	3.0	4.0	4.0	5.0	5.0
ARI COOLING PERFORMANCE								
Gross Capacity @ ARI A point (Btu)	23,935	23,735	35,963	35,563	48,813	48,313	58,075	58,075
ARI net capacity (Btu)	23,000	22,800	34,800	34,000	47,000	46,500	56,000	56,000
EER	10.85	10.85	10.40	10.10	10.90	10.80	10.55	10.40
SEER	13	13	13	13	13	13	13	13
Nominal CFM	730	730	1220	1220	1600	1600	2000	2000
System power (kW)	2.0	2.0	3.2	3.2	4.22	4.22	5.27	5.27
Refrigerant type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (lb-oz)	3-15	3-15	4-14	5-12	8-3	8-6	8-13	9-1
ARI HEATING PERFORMANCE								
47°F Capacity rating (Btu)	—	22,000	—	34,800	—	47,500	—	57,500
System power (kW)	—	1.85	—	2.80	—	3.95	—	4.65
17°F Capacity rating (Btu)	—	11,200	—	19,000	—	26,500	—	31,000
System power (kW)	—	1.60	—	2.50	—	3.40	—	4.05
HSPF (BTU/Watts-hr.)	—	7.7	—	7.7	—	7.7	—	7.7
DIMENSIONS (Inches)								
Length	51-25/64	51-25/64	51-25/64	51-25/64	57-61/64	57-61/64	57-61/64	57-61/64
Width	37-23/32	37-23/32	37-23/32	37-23/32	42	42	42	42
Height	24-13/16	24-13/16	24-13/16	24-13/16	33-3/64	33-3/64	33-3/64	33-3/64
OPERATING WT. (lbs)	304	309	335	340	445	454	463	472
COMPRESSORS								
Type	Rotary	Rotary	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd
Quantity	1	1	1	1	1	1	1	1
CONDENSER COIL DATA								
Face area (Sq. Ft)	10.17	10.17	10.17	10.17	15.77	15.77	15.77	15.77
Rows	1.5	1.5	2	2	2	2	2.5	2.5
Fins per inch	20	20	20	20	20	20	20	20
Tube diameter(inch)	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32
Circuitry type	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced
EVAPORATOR COIL DATA								
Face area (Sq. Ft)	3.36	3.36	3.36	3.36	6.43	6.43	6.43	6.43
Rows	3	3	4	4	3	3	4	4
Fins per inch	17	17	17	17	17	17	17	17
Tube diameter(inch)	9/32	9/32	9/32	9/32	9/32	9/32	9/32	9/32
Circuitry type	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced
Refrigerant control	Orifice	Orifice	Orifice	Orifice	Orifice	Orifice	Orifice	Orifice
CONDENSER FAN DATA								
Fan diameter (inch)	22-3/64	22-3/64	22-3/64	22-3/64	23-5/8	23-5/8	23-5/8	23-5/8
Type	Prop	Prop	Prop	Prop	Prop	Prop	Prop	Prop
Drive type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
No. speeds	1	1	1	1	1	1	1	1
Number of motors	1	1	1	1	1	1	1	1
Motor HP each	1/12	1/12	1/6	1/6	1/3	1/3	1/3	1/3
RPM	1075	1075	825	825	1075	1075	1075	1075
Nominal total CFM	1960	1960	2565	2565	3960	3960	3960	3960
DIRECT DRIVE EVAP FAN DATA								
Quantity	1	1	1	1	1	1	1	1
Fan Size (Inch)	9×9	9×9	9×9	9×9	10×10	10×10	10×10	10×10
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. speeds	3	3	3	3	3	3	3	3
Motor HP each	1/4	1/4	3/4	3/4	3/4	3/4	1	1
RPM	1075	1075	1075	1075	1075	1075	1075	1075
Motor frame size	48	48	48	48	48	48	48	48
FILTERS								
(No.) Size Recommended in.	(1) 22×14×1	(1) 22×14×1	(1) 22×14×1	(1) 22×14×1	(1) 22×14×1	(1) 22×14×1	(1) 22×14×1	(1) 22×14×1