



MEADOW
HEATING **AIR** COOLING

M-Series Heat Pump Package Units

14 SEER



**Dedicated Horizontal
(ARC models)**



**Horizontal/Downflow configuration
(ARD models)**

The Meadow Air-Series Heat Pump Package Units are available in both dedicated horizontal and convertible horizontal/downflow configuration. The convertible units have a unique design with the coil on top making the unit much smaller in footprint. These units have high quality coil guards and painted base rails. Available in 2-5 tons.

FEATURES:

Available in 2-5 tons

5 Ton 3 Phase available in ARD models

Dedicated Horizontal (ARC models)

Horizontal/Downflow configuration (ARD models)

Small footprint

Heavy gauge painted base rails are removable

Heavy duty protective coil guard

WARRANTY

10 Year Parts & Compressor

TECHNICAL SPECIFICATIONS

	ARC-XXHWN1-M14X					
	24	30	36	42	48	60
Nominal Tonnage	2.0	2.5	3.0	3.5	4.0	5.0
ARI COOLING PERFORMANCE						
Gross Capacity @ ARI A point (Btu)	23,717	30,921	35,770	42,070	48,411	58,911
ARI net capacity (Btu)	22,800	30,000	34,200	40,500	46,500	57,000
EER	11	11	11	11	11	11
SEER	14	14	14	14	14	14
Nominal CFM	850	1050	1220	1400	1600	2000
System power (kW)	2.07	2.73	3.11	3.52	4.04	4.96
Refrigerant type	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (lb-oz)	5-1	5-5	4-14	6-10	6-13	8-13
ARI HEATING PERFORMANCE						
47°F Capacity rating (Btu)	22,400	30,000	34,200	40,000	46,500	57,000
System power (kW)	1.75	2.38	2.62	3.24	3.64	4.44
17°F Capacity rating (Btu)	11,200	17,700	19,000	21,400	26,400	31,000
System power (kW)	1.47	2.36	2.44	2.70	3.36	3.82
HSPF (BTU/Watts-hr.)	8.0	8.0	8.0	8.0	8.0	8.0
DIMENSIONS (Inches)						
Length	52	52	52	58-1/2	58-1/2	58-1/2
Width	37-3/4	37-3/4	37-3/4	42-1/16	42-1/16	42-1/16
Height	24-13/16	24-13/16	24-13/16	33-1/14	33-1/16	33-1/16
OPERATING WT. (lbs)	326	346	351	463	463	479
COMPRESSORS						
Type	Rotary	Rotary	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd
Quantity	1	1	1	1	1	1
CONDENSER COIL DATA						
Face area (Sq. Ft)	9.79	9.79	9.44	15.54	15.54	15.30
Rows	2.5	2.5	2.5	2	2	2.7
Fins per inch	20	20	21	21	21	20
Tube diameter(inch)	9/32	9/32	3/16	3/16	3/16	9/32
Circuitry type	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced
EVAPORATOR COIL DATA						
Face area (Sq. Ft)	3.63	3.63	3.63	6.43	6.43	6.43
Rows	4	4	4	4	4	4
Fins per inch	17	17	17	17	17	17
Tube diameter(inch)	9/32	9/32	9/32	9/32	9/32	9/32
Circuitry type	interlaced	interlaced	interlaced	interlaced	interlaced	interlaced
Refrigerant control	Orifice	Orifice	Orifice	Orifice	Orifice	Orifice
CONDENSER FAN DATA						
Fan diameter (inch)	22	22	22	23-5/8	23-5/8	23-5/8
Type	Prop	Prop	Prop	Prop	Prop	Prop
Drive type	Direct	Direct	Direct	Direct	Direct	Direct
No. speeds	1	1	1	1	1	1
Number of motors	1	1	1	1	1	1
Motor HP each	1/8	1/6	1/6	1/3	1/3	1/3
RPM	1075	825	825	1075	1075	1075
Nominal total CFM	1960	2565	2565	3960	3960	3960
DIRECT DRIVE EVAP FAN DATA						
Quantity	1	1	1	1	1	1
Fan Size (Inch)	10×9	10×9	10×9	11×10-5/8	11×10-5/8	11×10-5/8
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. speeds	3	3	3	3	3	3
Motor HP each	1/4	1/2	1/2	3/4	3/4	3/4
RPM	1075	1075	1075	1075	1075	1075
Motor frame size	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

	ARD-XXHWN1-M14				
	2.0	3.0	4.0	5.0	5.0
Nominal Tonnage	2.0	3.0	4.0	5.0	5.0
Volt	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-3-60
ARI COOLING PERFORMANCE					
ARI net capacity (Btu)	23200	34600	47000	58500	57000
EER	12.0	11.5	11.5	11.8	11.8
SEER	14.0	14.0	14.0	14.0	14.0
Nominal CFM	750	1200	1550	1850	1850
System power (kW)	1.93	3.01	4.09	4.96	4.83
Refrigerant type	R410a	R410a	R410a	R410a	R410a
Refrigerant charge (lb-oz)	6-3	7-4	9-4	12-6	13-4
ARI HEATING PERFORMANCE					
47°F Capacity Rating (Btu)	22800	35000	48000	58500	57000
System power (kW)	1.70	2.69	3.91	4.56	4.58
17°F Capacity Rating (Btu)	12100	19000	28500	32500	34500
System power (kW)	1.58	2.35	3.52	4.00	4.04
HSPF	8.2	8.2	8.2	8.0	8.0
DIMENSIONS (Inches)					
Length	50-11/16	50-11/16	51-9/16	51-9/16	51-9/16
Width	35-1/16	35-1/16	44-13/16	44-13/16	44-13/16
Height	46-13/16	46-13/16	51-7/16	51-7/16	51-7/16
OPERATING WT. (lbs)	396	411	537	568	557
COMPRESSORS					
Type	Rotary	Rotary	Scroll	Scroll	Scroll
Quantity	1	1	1	1	1
CONDENSER COIL DATA					
Face area (Sq. Ft)	14.11	14.11	20.17	20.17	20.17
Rows	2+2	2+3	2+2	3+3	3+3
Fins per inch	17	17	17	17	17
Tube diameter	9/32	9/32	9/32	9/32	9/32
Circuitry type	interlaced	interlaced	interlaced	interlaced	interlaced
EVAPORATOR COIL DATA					
Face area (Sq. Ft)	3.96	3.96	6.1	6.1	6.1
Rows	4	4	4	4	4
Fins per inch	17	17	17	17	17
Tube diameter	9/32	9/32	9/32	9/32	9/32
Circuitry type	interlaced	interlaced	interlaced	interlaced	interlaced
Refrigerant control	Orifice	Orifice	Orifice	Orifice	Orifice
CONDENSER FAN DATA					
Fan diameter (inch)	23-5/8	23-5/8	26-3/8	26-3/8	26-3/8
Type	Prop	Prop	Prop	Prop	Prop
Drive type	Direct	Direct	Direct	Direct	Direct
No. speeds	1	1	1	1	1
Number of motors	1	1	1	1	1
Motor HP each	1/12 (60W)	1/6 (110W)	1/3 (290W)	1/3 (290W)	1/3 (290W)
RPM	880	840	1070	1070	1070
Nominal total CFM	2200	2770	5100	5000	5000
DIRECT DRIVE EVAP FAN DATA					
Quantity	1	1	1	1	1
Fan Size (Inch)	10×10	10×10	11×10-5/8	11×10-5/8	11×10-5/8
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. speeds	1	1	1	1	1
Motor HP each	1/5 (150W)	1/2 (375W)	1/2 (400W)	3/4 (600W)	3/4 (560W)