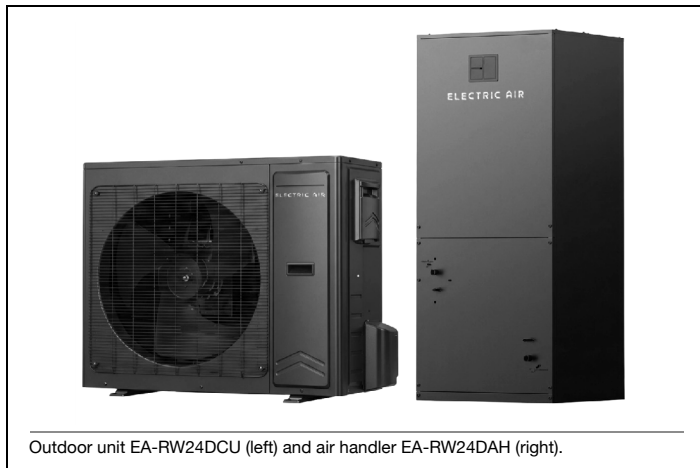


SUBMITTAL DATA SHEET

Redwood heat pump, 2 Ton (24,000 Btu/h) · Unitary side discharge split system · Models EA-RW24DCU / EA-RW24DAH

JOB NAME	LOCATION	DATE	SCHEDULE NO.
PURCHASER	ENGINEER	UNIT DESIGNATION	SUBMITTED FOR ☐ Reference ☐ Approval ☐ Construction



Outdoor unit EA-RW24DCU (left) and air handler EA-RW24DAH (right).

1. SYSTEM RATINGS

SEER2	21.0
EER2	13.0
HSPF2 (Region IV)	11.2
COP2	3.80

2. COOLING PERFORMANCE

BTU/H

Rated capacity	24,000
Min. / max. capacity	7,500 / 26,000
Moisture removal	9.9 gal/h
Operating range (outdoor)	50 °F to 129 °F (10 °C to 54 °C)

3. HEATING PERFORMANCE

BTU/H

Rated capacity at 47 °F	24,000
Min. / max. capacity at 47 °F	7,600 / 26,800
Rated capacity at 17 °F	24,000
Max. capacity at 5 °F / COP2	22,900 / 1.96
Operating range (outdoor)	-13 °F to 86 °F

4. PIPING

Liquid line	3/8 in
Gas line	5/8 in port (compatible with 3/4 in)
Drain	3/4 in
Max. piping length	131 ft
Max. height difference	66 ft
Max. pre-charged length	25 ft
Pre-charged amount	92 oz
Additional charge	0.43 oz/ft
Connection method	Threaded (flare)

5. OUTDOOR UNIT

EA-RW24DCU

Compressor	Rotary, variable speed
Refrigerant / factory charge	R-32 / 91.7 oz
Refrigerant oil	RB68GX
Air flow, max.	2650 CFM
Sound level	55 dBA
Dimensions (W × D × H)	38.98 × 16.77 × 31.1 in 990 × 426 × 790 mm
Package (W × D × H)	41.61 × 18.98 × 33.66 in 1057 × 482 × 855 mm
Net / gross weight	132 / 143 lb · 60 / 65 kg

6. INDOOR UNIT

EA-RW24DAH

Air flow, high / low	880 / 600 CFM
Sound level, high / low	41 / 37 dBA
Dimensions (W × D × H)	19.8 × 22.13 × 45.75 in 503 × 562 × 1162 mm
Package (W × D × H)	24.4 × 26.85 × 51.5 in 620 × 682 × 1308 mm
Net / gross weight	141 / 163 lb · 64 / 74 kg

7. ELECTRICAL

	OUTDOOR	INDOOR 230 V / 115 V
Power supply (V-Ph-Hz)	208/230-1-60	115/208/230-1-60
Connection wiring	12 AWG	16 AWG
Compressor RLA (A)	7.6	—
Fan motor RLA (A)	1.8	2.87 / 5.35
Fan motor (W)	180	262 / 326
Rated input, cooling (W)	2000	262 / 326
Rated input, heating (W)	1900	262 / 326
Breaker, recommended (A)	25	15
MCA (A)	19	3 / 6
RLA (A)	12.78	2.24 / 4.32
MOCP (A)	30	15 / 15

NOTES

- Registered as EA-RW36DCU / EA-RW36DAH and field switched to 24,000 Btu/h capacity.
- Rated conditions. Cooling: indoor 80 °F DB / 67 °F WB, outdoor 95 °F DB / 75 °F WB. Heating: indoor 70 °F DB / 60 °F WB; outdoor 47 °F DB / 43 °F WB and 17 °F DB / 15 °F WB. Heating at 5 °F: outdoor 5 °F DB, compressor at max. frequency.
- Install per the Redwood installation manual and local codes.