



Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Model Number: ACHW-50N3MA

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	240V,1Ph,60Hz
Voltage Range	(V)	208~240
Electrical		
Minimum circuit ampacity	(A)	23.6A(208V)/26.8A(240V)
Max.fuse	(A)	25A(208V)/30A(240V)
Connection wiring		AWG 10-3
Energy information		
Normal Gallon Capacity	(Gallon)	50
Rated Gallon Capacity	(Gallon)	47
Uniform Energy Factor (UEF)		3.75
First Hour Rating (FHR)	(Gallon)	69
Water Outlet Temperature Range	Deg. °F (°C)	109°F ~149°F (43°C~65°C)
Upper Element Wattage	(W)	4500(240V)
Lower Element Wattage	(W)	4500(240V)
Compressor capacity	(W)	1500
Total Unit Wattage (input)	(W)	5500
Cold Climate Efficiency(CCE)		3.0
Recovery In G.P.H. 90° F Rise		27.5
Heat pump ambient operating range	Deg. °F (°C)	37°F ~109°F (3°C~43°C)
Element ambient operating range	Deg. °F (°C)	5~115(-15°C~46°C)
Sound	(dBA)	49.5

UNIT DATA

Body Height	inch(mm)	66-3/8(1686.6)
Body Diameter(inch)	inch(mm)	21-3/4(551.2)
Body Weight	lbs(kg)	218.3(99)
Ship Length(inch)	inch(mm)	28-1/4(718.8)x 27-1/4(690.9)
Ship Height(inch)	inch(mm)	74-3/4(1900)
Ship Weight(lbs)	lbs(kg)	264.6(120)
Inlet Water Connection Size	inch(mm)	3/4(19.1)
Outlet Water Connection Size	inch(mm)	3/4(19.1)
Drainage Hose	inch(mm)	3/4(19.1)
Installation Clearance (Back)	inch(mm)	0
Installation Clearance (side)	inch(mm)	6(152.4)
Installation Clearance (top)	inch(mm)	20(508)
Refrigerant Type		R134a
Refrigerant charge	oz(g)	18.34(520)
Loading quantity(40HQ)	pcs	51

