

36K Wall Mounted Air Handler

ACiQ-36W-HH-MC

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

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

Set Code 22022010018156
 Indoor unit code 22022011016421
 Outdoor unit code 22022016016340

Set Model
 Indoor unit model ACiQ-36W-HH-MC

Certified



SYSTEM PERFORMANCE DATA

Power supply

Normal Operational Voltage (V, Ph, Hz) 208/230V, 1Ph, 60Hz
 Voltage Range (V) 187-253

Electrical

Minimum circuit ampacity (Outdoor) (A) 28.0
 Max. fuse (Outdoor) (A) 35.0
 Connection wiring 14#x4

Cooling

Capacity (Btu/h) 36000(9300~38800)
 Power Input (W) 4235(350~4600)
 Current (A) 18.5(2.6~20.29)
 SEER2 (Btu/W) 20.0
 EER2 (Btu/W) 8.5

Heating

Capacity (Btu/h) 36000(11570~37000)
 Power Input (W) 4200(710~4360)
 Current (A) 18.3(4.9~19.2)
 HSPF2-4 (Btu/W) 8.0
 HSPF2-5 (Btu/W) 6.4
 COP W/W 2.51
 Heat at 17F(H32) (Btu/h) 22400
 Heat at 5F(H42) (Btu/h) 20000
 COP at 5F(H42) W/W 1.85

REFRIGERANT PIPE DATA

	Indoor unit	N/A
Throttle type	Outdoor unit*	EXV+Throttle valve
Design pressure (PSIG)		550/340
Refrigerant Type		R410A
Refrigerant charge (oz)		119.93
Refrigerant precharge (ft)		25.0
Refrigerant precharge (m)		7.5
Additional charge for each ft (oz/ft)		0.32
Additional charge for each m (g/m)		30.0
Liquid side / Gas side (indoor) (inch)		3/8"/5/8"
(mm)		9.52/15.9
Max. pipe length (ft)		213.3
(m)		65.0
Max. difference in level (ft)		98.4
(m)		30.0
Connection method		Flared
Indoor (cooling) (Deg. °F)		60~90
(Deg. °C)		16~32
Indoor (heating) (Deg. °F)		32~86
(Deg. °C)		0~30

INDOOR UNIT DATA

Indoor fan motor

Model ZKFP-58-8-1-6
 Qty 1
 Input (W) 58.0
 Output (W) 58.0
 RLA (A) 0.5
 Speed (Hi/Mi/Lo) (r/min) 1050/880/630

Airflow & Noise level

Indoor airflow (Turbo/Hi/Med/Lo) (CFM) 842.94/639.41/505.88/382.35
 Indoor noise level (Hi/Med/Lo) [dB(A)] 47.5/42/35.5

Dehumidification

(L/H) 5.1

Indoor unit

Dimension (WxDxH) (inch) 46.85x11.20x14.59
 (mm) 1190x284.6x370.6
 Packing (WxDxH) (inch) 50.39x14.17x17.91
 (mm) 1280x360x455
 Net/Gross weight (lbs.) 43.65/54.89
 (kg) 19.8/24.9

OUTDOOR UNIT DATA*

*In order to obtain the system performance data & efficiency ratings presented, this air handler was tested with a 36K standard heat single-zone condenser (ACiQ-36Z-HP230B). Depending on the application this air handler is in or the condenser it is combined with these ratings could differ slightly. Any data or specifications listed that involve the outdoor unit/condenser are that of ACiQ-36Z-HP230B.

INDOOR UNIT DIMENSIONS

