



**SUBMITTAL DATA SHEET**

Submittal Data: ACIQ-48-ACL	
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

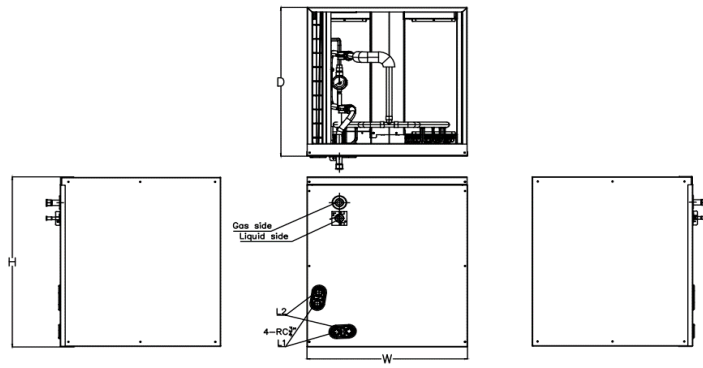
<b>Set Code</b>	
Indoor unit code	
Outdoor unit code	
<b>Set Model</b>	
Indoor unit model	
Outdoor unit model	
<b>Certified</b>	<div style="display: flex; align-items: center; gap: 10px;"> <div style="text-align: center;"> <p>AHRI</p>  </div> <div style="text-align: center;"> <p>UL</p>  </div> </div>



SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	34
Max.fuse	(A)	50
Connection wiring		18AWG
<b>Cooling</b>		
Rated Capacity	(Btu/h)	48000
Capacity Range	(Btu/h)	12000-48000
Power Input (Max)	(W)	5650(540-5330)
Rated current	(A)	22.3(3-22.5)
SEER	(Btu/W)	14.3
EER	(Btu/W)	8.6
<b>Heating (Standard conditions)</b>		
Rated Capacity	(Btu/h)	51000
Capacity Range	(Btu/h)	11000-54000
Power Input (Max)	(W)	5150(710-5580)
Rated current	(A)	22(3.6-22.5)
HSPF4	(Btu/W)	8.3
HSPF5	(Btu/W)	6.6
COP	W/W	2.90
<b>Heating at 5F</b>		
Capacity	(Btu/h)	28000
COP	W/W	1.8
<b>REFRIGERANT PIPE DATA</b>		
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	(kg)	4.7
	(oz)	165.8
Additional charge for each ft	(oz/ft)	0.69
	(g/m)	65
Liquid side/ Gas side	(inch)	3/8" / 3/4"
	(mm)	Φ9.52 / Φ19
Max. pipe length	(ft)	213.0
	(m)	65
Max. difference in level	(ft)	98.0
	(m)	30
Connection method	Indoor	Brazed
	Outdoor	Flared to brazed
Indoor(cooling)	(Deg. °F / °C)	62-90/17 ~ 32
Indoor( heating)	(Deg. °F / °C)	32-86 / 0-30
Outdoor(cooling)	(Deg. °F / °C)	5-122 / -15 ~ 50
Outdoor(heating)	(Deg. °F / °C)	5-75 / -15 - 24

INDOOR UNIT DATA		
<b>Throttle</b>		TXV for Cooling
<b>IRV</b>	inch^3	158
<b>Air flow</b>	SCFM	1015
<b>Pressure drop</b>	Pa	70
	In. wg.	0.28
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	20.98x20.98x23.98
	(mm)	533x533x609
Packing(WxDxH)	(inch)	23.43x25.59x25.39
	(mm)	595x650x645
Net/Gross weight	(lbs.)	66.58/77.16
	(kg)	30.2/35
<b>OUTDOOR UNIT DATA</b>		
<b>Compressor</b>		
Type		KTQ420D1UMU
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	13700
Input	(W)	3700
Rated current (RLA)	(A)	24
Refrigerant oil/oil charge	(ml)	VG74/1400
<b>Throttle</b>		EEV for heating
<b>Outdoor fan motor</b>		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126
RLA	(A)	2.4
Speed	(r/min)	850/750/650
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	4500.0
Outdoor noise level	[dB(A)]	63
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	217.59/248.68
	(kg)	98.7/112.8

Indoor unit dimension



Model	Unit	Dimensions (mm)			Drain hole	
		W	D	H	L1	L2
12K-24K	mm	445	533	457	Main drain hole	Overflow drain hole
	inch	17 1/2	21	18		
30K-48K	mm	533	533	609	Main drain hole	Overflow drain hole
	inch	21	21	24		
60K	mm	622	533	711	Main drain hole	Overflow drain hole
	inch	24	21	28		

Outdoor unit dimension

