

<b>MTIU-18HWFN1-M/MOX430-18HFN1-MTBW</b>		<b>18,000 BTU/H(208/230V)</b>		<b>Wall Mounted Heat Pump System</b>	
Location: _____	Approval: _____	Date: _____	Construction: _____	Unit #: _____	Drawing #: _____
Engineer: _____					
Submitted to: _____					
Submitted by: _____					
Reference: _____					

<b>Set Model</b>	Indoor unit model Outdoor unit model	CH-M18DTUI CH-ES18-230VO
<b>Certified</b>	AHRI	
	UL	


**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	17.0
Max.fuse	(A)	25.0
<b>Cooling</b>		
Rated Capacity	(Btu/h)	18000
Capacity Range	(Btu/h)	5800-18000
Power Input (Max)	(W)	1455
Rated current	(A)	6
SEER	(Btu/W)	21
EER	(Btu/W)	13

<b>Heating at 47F</b>		
Rated Capacity	(Btu/h)	20000
Capacity Range	(Btu/h)	5000-20000
Power Input (Max)	(W)	1880
Rated current	(A)	7.90
HSPF4	(Btu/W)	11
HSPF5	(Btu/W)	9
COP	W/W	3.12

<b>Heating at 17F</b>		
Max Capacity	(Btu/h)	14100

**REFRIGERANT PIPE DATA**

Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/56.44
Refrigerant precharge	(ft)	25.0
	(m)	7.6
Additional charge for each ft	(oz/ft)	0.16
	(g/ft)	15
Liquid side/ Gas side	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Max. pipe length	(ft)	98.0
	(m)	30.0
Max. difference in level	(ft)	66.0
	(m)	20.0
Connection method		(Flared)

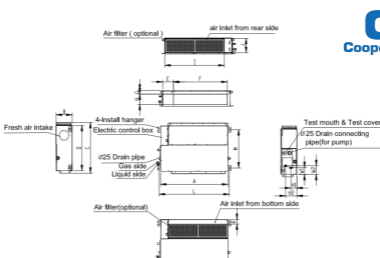
Indoor(cooling/ heating)	(Deg. °F)	60~90 / 32~86
	(Deg. °C)	16~32 / 0~30
Outdoor(cooling/heating)	(Deg. °F)	-22~122 / -22~75
	(Deg. °C)	-30~50 / -30~24
Application area	(sq.ft)	258.33~376.74
	(m2)	24~35

**INDOOR UNIT DATA**

<b>Indoor fan motor</b>		
Type		Cross-Flow
Model		ZKFN-160-8-1-2
Qty		1
Input	(W)	90.0
RLA	(A)	-
LRA	(A)	-
Winding Resistance	(Ω)	-
Capacitor	(uF)	-
Speed(Hi/Mi/Lo)	(r/min)	850/700/450
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (h)	(CFM)	529.41/450.00/370.59
Indoor noise level (Hi/Med/Lo)	[dB(A)]	43/40.5/38
<b>Dehumidification</b>		
	(Pint/H)	-
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	34.65x28.53x8.27
	(mm)	880x674x210
Packing(WxDxH)	(inch)	42.13x28.54x11.02
	(mm)	1070x725x280
Net/Gross weight	(lbs.)	54/66
	(kg)	25.1/30.4

**OUTDOOR UNIT DATA**

<b>Compressor</b>		
Type		KSN140D58UFZ
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	14723.39115
Input	(W)	1090
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	-
Throttle		Capillary +EXV
<b>Outdoor fan motor</b>		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	-
RLA	(A)	-
Speed	(r/min)	810/720
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1764.70
Outdoor noise level	[dB(A)]	58
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	35.04x13.46x26.50
	(mm)	890x342x673
Packing (WxDxH)	(inch)	39.17x15.67x29.13
	(mm)	995x398x740
Net/ Gross weight	(lbs.)	95.02/101.85
	(kg)	43.1/46.2

**Indoor unit dimension**


Model (Kiluh)	Unit	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
9/12	mm	700	200	506	450	137	537	30	152	599	196	50	741	300	84	140	84	84
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.7	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	709	50	136	762	190	40	920	509	78	148	88	112
	inch	34.6	8.3	26.5	23.6	5.5	27.8	2.0	5.4	30.8	7.5	1.6	36.2	20.0	3.1	5.8	3.5	4.4
24	mm	1100	240	774	700	140	826	50	175	1001	228	5	1140	598	80	150	130	155
	inch	43.3	9.8	30.5	27.6	5.5	36.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1
36	mm	1380	240	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	155
	inch	53.5	9.8	30.5	27.6	5.5	48.7	2.0	6.9	49.6	9.0	0.2	55.1	23.5	3.1	5.9	5.1	6.1
48	mm	1290	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	155	155	210
	inch	47.2	11.8	34.4	31.5	4.8	41.1	2.0	8.9	43.3	11.0	0.2	48.8	27.4	3.1	5.9	7.3	8.3

**Outdoor unit dimension**
