

<b>MTIU-18HWFN1-M/MOX430-17HFN1-MTOW</b>	<b>18,000 BTU/H(208/230V)</b>	<b>Wall Mounted Heat Pump System</b>
Location: _____	Approval: _____	Date: _____
Engineer: _____	Construction: _____	Unit #: _____
Submitted to: _____	Drawing #: _____	
Submitted by: _____		
Reference: _____		

**Set Model**  
 Indoor unit model: CH-M18DTUI  
 Outdoor unit model: CH-HPR18-230VO

**Certified**

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**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)		16.0
Max.fuse (A)		25.0
<b>Cooling</b>		
Rated Capacity (Btu/h)		16500
Capacity Range (Btu/h)		6500-18800
Power Input (Max) (W)		1320
Rated current (A)		8.50
SEER (Btu/W)		19.6
EER (Btu/W)		12.5
<b>Heating at 47F</b>		
Rated Capacity (Btu/h)		19000
Capacity Range (Btu/h)		8900-22000
Power Input (Max) (W)		1900
Rated current (A)		11.50
HSPF4 (Btu/W)		11.0
HSPF5 (Btu/W)		9.0
COP		2.93
<b>Heating at 17F</b>		
Max Capacity (Btu/h)		19000

**INDOOR UNIT DATA**

**Indoor fan motor**

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) (N) (CFM)		529.41/450.00/370.59
Indoor noise level (Hi/Med/Lo) [dB(A)]		40/37.5/35
<b>Dehumidification</b>		
		-
<b>Indoor unit</b>		
Dimension (WxDxH) (inch)		34.65x28.53x8.27
		880x674x210
Packing(WxDxH) (inch)		42.13x28.53x11.02
		1070x725x280
Net/Gross weight (lbs.)		55.34/67.02
		25.1/30.4

**REFRIGERANT PIPE DATA**

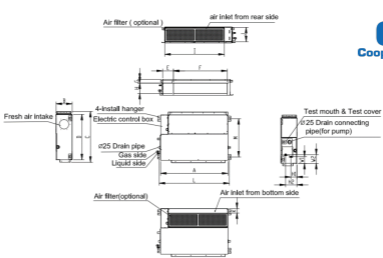
Design pressure (PSIG)		550/340
Refrigerant Type (Oz)		R410A/65.2
Refrigerant precharge (ft)		25.0
		7.6
Additional charge for each ft (oz/ft)		0.16
		15
Liquid side/ Gas side (inch)		1/4" / 1/2"
		6.35/12.7
Max. pipe length (ft)		98.0
		30.0
Max. difference in level (ft)		66.0
		20.0
Connection method		(Flared)
<b>Indoor(cooling/ heating)</b>		
(Deg. °F)		63~90 / 32~86
(Deg. °C)		17~32 / 0~30
<b>Outdoor(cooling/heating)</b>		
(Deg. °F)		-22~122 / -22~86
(Deg. °C)		-30~50 / -30~30
<b>Application area</b>		
(sq.ft)		236.81~344.44
(m2)		22~32

**OUTDOOR UNIT DATA**

**Compressor**

Type		KTM240D43UKT
Model		DUAL ROTARY
Brand		GMCC
Capacity (Btu/h)		25932.27641
Input (W)		2045
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)]		59
<b>Outdoor unit</b>		
Dimension (WxDxH) (inch)		35.04x13.46x26.50
		890x342x673
Packing (WxDxH) (inch)		39.17x15.67x29.13
		995x398x740
Net/ Gross weight (lbs.)		100.97/108.03
		45.8/49

**Indoor unit dimension**



Model	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	590	180	50	741	380	84	140	84	84
	inch	27.6	7.9	19.9	17.7	5.4	21.1	1.2	6.0	23.6	7.3	2.0	29.2	14.2	3.3	5.5	3.3	3.3
18	mm	880	210	674	600	140	706	50	136	782	190	40	920	508	78	148	88	112
	inch	34.8	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	1130	240	774	700	140	926	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	1196	50	175	1261	228	5	1400	598	80	150	130	155
	inch	53.5	9.8	30.5	27.6	5.5	46.7	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	125	1044	50	227	1101	280	5	1240	697	80	150	185	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**

