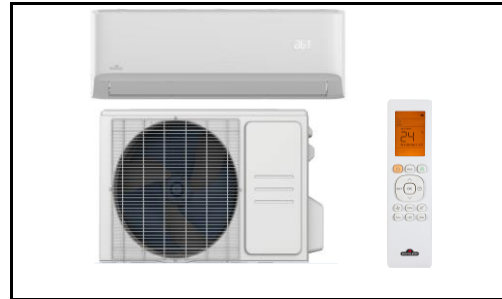




SUBMITTAL DATA SHEET

NDHAS22-24-I/NDHAS22-24-O		24,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____		Approval: _____	
Engineer: _____		Date: _____	
Submitted to: _____		Construction: _____	
Submitted by: _____		Unit #: _____	
Reference: _____		Drawing #: _____	

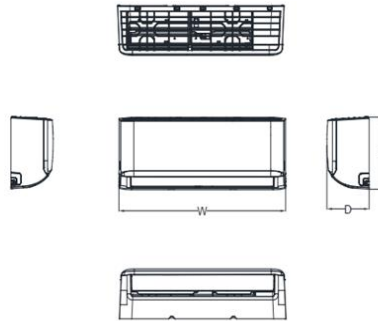
Set Model	
Indoor unit model	NDHAS22-24-I
Outdoor unit model	NDHAS22-24-O
Certified	
AHRI	
UL	



SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	22.0	
Max.fuse	(A)	30.0	
Connection wiring		14"4 AWG	
Cooling			
Rated Capacity	(Btu/h)	24000	
Capacity Range	(Btu/h)	9200~25000	
Power Input (Max)	(W)	1846	
Rated current	(A)	8.02	
SEER (SEER2)	(Btu/W)	21 (21)	
EER (EER2)	(Btu/W)	13 (13)	
Heating at 47F			
Rated Capacity	(Btu/h)	26000	
Capacity Range	(Btu/h)	10350~26410	
Power Input (Max)	(W)	2420	
Rated current	(A)	10.35	
HSPF Reg 4 (HSPF2 Reg 4)	(Btu/W)	10 (8.5)	
HSPFReg 5 (HSPF2 Reg 5)	(Btu/W)	8.5 (6.3)	
COP	W/W	3.15	
Heating at 17F			
Max Capacity	(Btu/h)	19960	
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/82.89	
Refrigerant precharge	(ft)	25.0	
	(m)	7.6	
Additional charge for each ft	(oz/ft)	0.32	
	(g/ft)	30	
Liquid side/ Gas side	(inch)	3/8" / 5/8"	
	(mm)	φ9.52 / φ15.9	
Max. pipe length	(ft)	164.0	
	(m)	50.0	
Max. difference in level	(ft)	82.0	
	(m)	25.0	
Connection method		(Flared)	
Indoor(cooling/ heating)	(Deg. °F)	60~90 / 32~86	
	(Deg. °C)	16~32 / 0~30	
Outdoor(cooling/heating)	(Deg. °F)	-13~122 / -13~75	
	(Deg. °C)	-25~50 / -25~24	
Application area	(sq.ft)	344.44~505.90	
	(m2)	32~47	

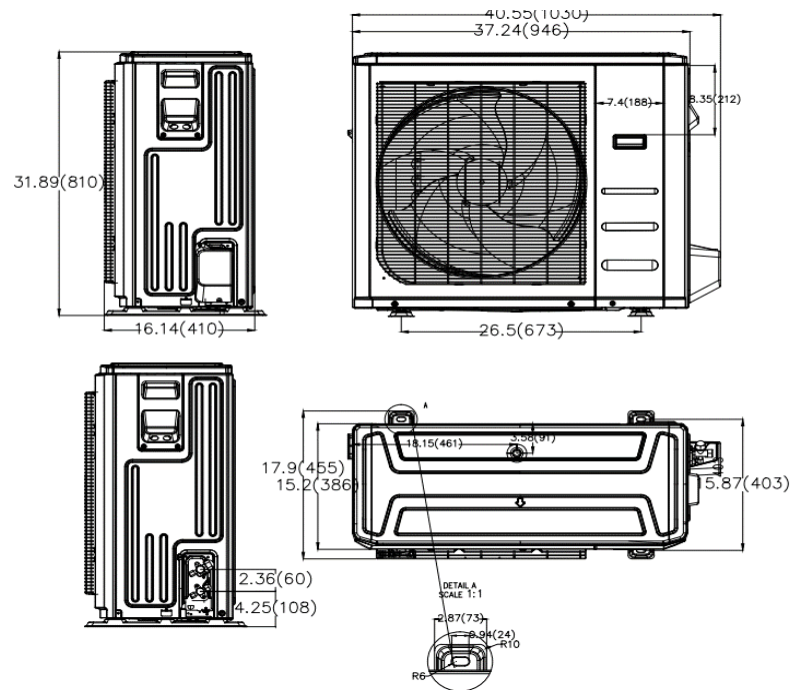
INDOOR UNIT DATA			
Indoor fan motor			
Type		Cross-Flow	
Model		ZKFP-58-8-1-5	
Qty		1	
Input	(W)	58.0	
RLA	(A)	-	
LRA	(A)	---	
Winding Resistance	(Ω)	---	
Capacitor	(uF)	---	
Speed(Hi/Mi/Lo)	(r/min)	1200/1080/600	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (l	(CFM)	601.18/458.82/382.35	
Indoor noise level (Hi/Med/L	[dB(A)]	48/40/28	
Dehumidification	(Pint/H)	---	
Indoor unit			
Dimension (WxDxH)	(inch)	42.60x9.21x13.27	
	(mm)	1082x234x337	
Packing(WxDxH)	(inch)	45.47x16.34x12.40	
	(mm)	1155x415x315	
Net/Gross weight	(lbs.)	29.98/38.14	
	(kg)	13.6/17.3	
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	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	---	
RLA	(A)	---	
Speed	(r/min)	900/810/450/360	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2235.30	
Outdoor noise level	[dB(A)]	60	
Outdoor unit			
Dimension (W×D×H)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (W×D×H)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	124.78/134.92	
	(kg)	56.6/61.2	

Indoor unit dimension



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

Outdoor unit dimension



General Features

Wireless Remote with LCD Display
 46F Heating
 Sleep Mode
 Silent Mode
 Self Clean
 Follow Me (optional)