

CDHAM-28-O

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

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

Outdoor unit model

CDHAM-28-O

Certified

UL



AHRI



Max upto 4 units

OUTDOOR UNIT DATA
Power supply

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

Electrical

Minimum circuit ampacity (A) 25.0
 Max.fuse (A) 40.0

Outdoor fan motor

Model ZKFN-120-8-2
 Qty 1
 Input (W) 150.0
 RLA (A) -
 Speed (r/min) 1000/900/750

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
 Refrigerant Type (Oz) R410A/134.04
 Refrigerant precharge (ft) 74
 (m) 22.5
 Additional charge for each ft-
 Φ6.35 (1/4") liquid pipe (oz/ft) 0.161
 Additional charge for each ft-
 Φ9.52 (3/8") liquid pipe (oz/ft) 0.322
 Liquid side/ Gas side (inch) 3 x 1/4"/3 x 3/8"
 (mm) 3 x Φ6.35/3 x Φ9.52
 Max. length for all rooms (ft) 197
 Max. length for one indoor unit (ft) 98.0
 Max. height difference
 between indoor and outdoor
 unit (ft) 49
 Max. height difference
 between indoor units (ft) 33

OUTDOOR UNIT DATA
Compressor

Model KTF310D43UMT
 Type ROTARY
 Brand GMCC
 Capacity (Btu/h) 32380
 Input (W) 2600
 Rated current (RLA) (A) -
 Refrigerant oil/oil charge (ml) VG74/1000
 Throttle Capillary +EXV

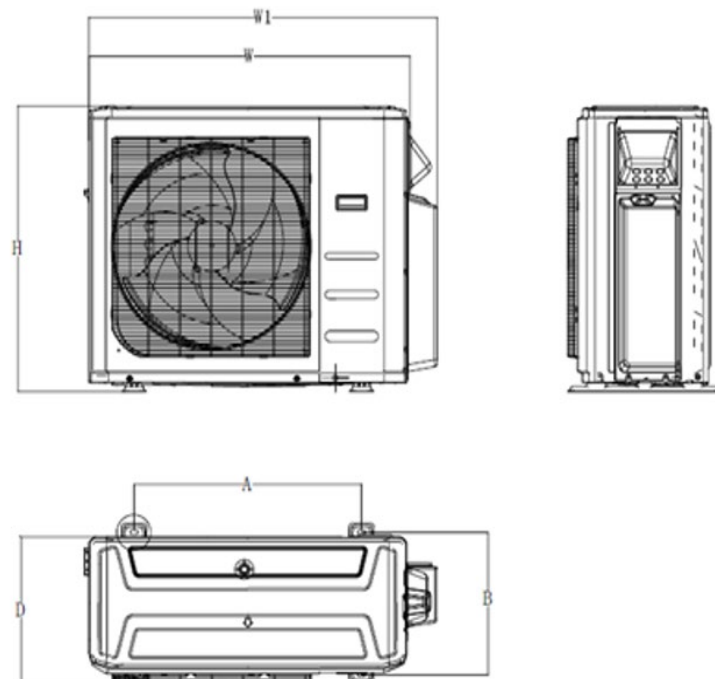
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 2147.06
 Outdoor noise level [dB(A)] 63

Outdoor unit

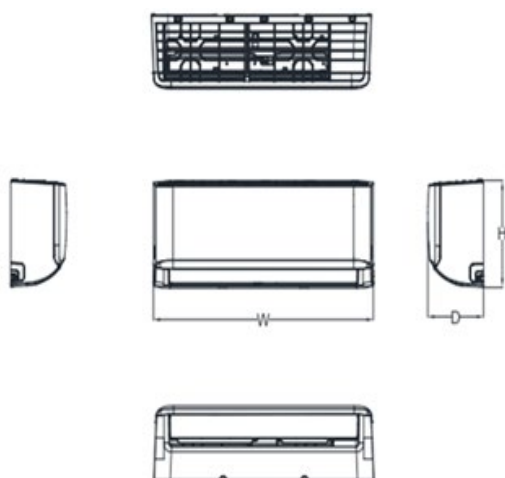
Dimension (W×D×H) (inch) 37.24x16.14x31.89
 (mm) 946x410x810
 Packing (W×D×H) (inch) 42.91x19.69x34.84
 (mm) 1090x500x885
 Net/ Gross weight (lbs.) 167.99/179.67
 (kg) 76.2/81.5
 Outdoor(cooling/heating) (Deg. °F) -22~-122/ -22~86
 (Deg. °C) -30~50/ -30~30

Outdoor unit dimension



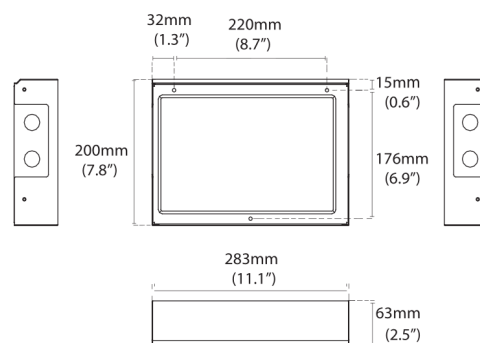
Unit	W	D	H	W1	A	B
mm	946	410	810	1034	673	403
inch	37.2	16.5	31.9	40.6	26.5	15.9

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

24V INTERFACE KIT



Hyper Heat MULTI INDOOR UNITS COMBINATION RULE

Multi DC Outdoor Unit		Available Indoor	Two units		Three units		
			Unit 1	Unit 2	Unit 1	Unit 2	Unit 3
Hyper 1 drive 3	CDHAM-28-O	Wall mounted CDHAS22 : 9K/12K/18K/24K	6	12	6	6	6
			6	18	6	6	9
			9	9	6	6	12
			9	12	6	6	18
			9	18	6	9	9
			12	12	6	9	12
			12	18	6	9	18
			18	18	6	12	12
					6	12	18
					9	9	9
					9	9	12
					9	9	18
					9	12	12
					12	12	12

Note:

If total indoor units load exceeds nominal capacity of outdoor unit, the practical output capacity of each indoor unit will be correspondingly attenuated. This situation is very evidently during heating mode.

Rules: Outdoor unit Capacity*0.66<= Indoor unit total capacity <= Outdoor unit Capacity 1.33