

SPECIFICATION: HDX050-HDX750 & HACU050-HACU150

MODEL	Indoor Unit		HDX050	HDX060	HDX075	HDX100	HDX125	HDX150	HDX150B
	Outdoor Unit		HACU050	HACU060	HACU075	HACU100	HACU125	HACU150	HACU075
Cooling Capacity	Nominal Capacity	Btu/Hr	50,000	60,000	75,000	100,000	125,000	150,000	150,000
		Watt	14,650	17,580	23,440	29,300	36,630	43,960	43,960
INDOOR UNIT									
Casing	Material		Galvanized Mild Steel						
	Finishing		Plain Galvanized						
	Insulation		Polyethylenen Foam						
Dimension	Height	mm (in)	411 (16.2)	411 (16.2)	535 (21.1)	637 (25.1)	637 (25.1)	790 (31.1)	790 (31.1)
	Width	mm (in)	1039 (40.9)	1039 (40.9)	1056 (41.6)	1456 (57.3)	1456 (57.3)	1655 (65.2)	1655 (65.2)
	Depth	mm (in)	600 (23.6)	600 (23.6)	757 (29.8)	757 (29.8)	757 (29.8)	946 (37.2)	946 (37.2)
EVAPORATOR COIL									
Type	Corrugated aluminium fin with seamless cross flow finned copper tubes								
Tube	Diameter	mm (in)	9.52 (3/8)						
Fin	Row		3	4	4	3	4	4	4
	Fins per inch		14	14	14	14	14	14	14
Capacity Step			100-0	100-0	100-0	100-0	100-0	100-0	100-50
Face Area		sq.m (sq.ft)	0.33(3.55)	0.41(4.41)	0.41(4.41)	0.73(7.86)	0.73(7.86)	1.07(11.52)	1.07(11.52)
EVAPORATOR BLOWER									
Type / Drive	Centrifugal/ Direct Drive				Centrifugal/ Belt Drive				
Blower Material	Zinc Coated Steel								
Quantity / Unit			1	1	1	2	1	1	1
Blower Diameter	mm (in)		228(9.0)	228(9.0)	254(10.0)	228(9.0)	305(12)	381(15)	381(15)
Blower Length	mm (in)		228(9.0)	228(9.0)	254(10.0)	228(9.0)	305(12)	381(15)	381(15)
Air flow	CMM(CFM)		45 (1600)	51 (1800)	62(2200)	91 (3200)	108 (3800)	127 (4500)	127 (4500)
External Static Pressure	Pa (in w.g.)		100 (0.4)	100 (0.4)	100 (0.4)	100 (0.4)	150 (0.6)	150 (0.6)	150 (0.6)
EVAPORATOR BLOWER MOTOR									
Type	Permanent Split Capacitor				Squirrel Cage Induction				
Power Supply	V/PH/HZ		220-240 /1 /50			380-415 /3 /50			
Rated Input	Watt		375	450	550	375 x 2	1500	1500	1500
Motor Poles			6	6	6	6	4	4	4
Starter Type	Direct-On-Line								
No of Blower			1	1	1	1	1	1	1
REFRIGERANT									
Type	R22								
Precharged Gas	Nitrogen Holding								
Control type	Orifice / Capillary tube				Thermostatic Expansion Valve (TXV)				
Pipe Connection Type	Flared				Brazed				
Pipe Size/Unit	Liquid	mm (in)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas	mm (in)	19.05 (3/4)	19.05 (3/4)	28.58 (1-1/8)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
Drain Pipe Connection		mm (in)	25.40 (1.0)						
AIR FILTER									
Type	Washable R29, GI frame								
Size /pc	Length x Height	mm	930X360	930X360	478X420	620X580	620X580	733X719	733X719
	Width	mm	20	20	20	20	20	20	20
Quantity			1	1	2	2	2	2	2
OUTDOOR UNIT									
Casing	Material		Electro Galvanized Mild Steel						
	Finishing		Epoxy Polyester Powder Coating						
Dimension	Height	mm (in)	900 (35.4)	900 (35.4)	900 (35.4)	900 (35.4)	900 (35.4)	970 (35.4)	970 (35.4)
	Width	mm (in)	1080 (42.5)	1080 (42.5)	1180 (46.5)	1080 (42.5)	1080 (42.5)	1170 (42.5)	1170 (42.5)
	Depth	mm (in)	400 (15.7)	400 (15.7)	400 (15.7)	940 (37.0)	940 (37.0)	967 (37.0)	967 (37.0)
Net Weight (approx)		kg (lb)	110 (242)	130 (286)	160 (352)	175 (385)	190 (418)	210 (462)	210 (462)
CONDENSER COIL									
Type	Corrugated aluminium fin with seamless cross flow finned copper tubes								
Tube	Diameter	mm (in)	9.52 (3/8)						
Fin	No Coil x Row		1 x 2	1 x 2	1 x 3	2 x 2	2 x 3	2 x 3	2 x 3
	Fins per inch		14	14	14	14	14	14	14
Face Area		sq.m (sq.ft)	0.66(7.11)	0.78 (8.44)	0.78 (8.44)	1.32 (14.22)	1.57 (16.89)	1.57 (16.89)	1.57 (16.89)
CONDENSER FAN & MOTOR									
Type / Drive	Propeller / Direct								
Blower Material	Aluminium Blade								
Quantity / Unit			1	1	1	1	1	1	1
Blade Diameter	mm (in)		630 (24)	630 (24)	660 (26)	660 (26)	660 (26)	750 (30)	750 (30)
Power Supply	V/PH/HZ		220-240 /1 /50			380-415 /3 /50			
Rated Current / Unit	Amp		1.1	1.1	1.6	1.6	1.6	2.6	2.6
Rated Input Power / Unit	Watt		145	145	590	590	590	750	750
Motor Poles			8	8	6	6	6	8	8
Air Flow / Unit	CMM(CFM)		110(3900)	130(4600)	221(7800)	221(7800)	221(7800)	340(12000)	340(12000)
COMPRESSOR									
Type	Scroll Hermetic								
Power Supply	V/PH/HZ		380-415 /3 /50						
Rated Current / Unit	Amp		8.1	9.3	13.6	16.4	17.9	24.2	24.2
Rated Input Power / Unit	Watt		4700	5430	6810	8960	10200	13620	13620
Protection Device	Phase Protector, Overload Protector, and Auto Reset High/Low Pressure Switch								
Capacity Control	On /Off								
Starter Type	Direct On Line								
REFRIGERANT									
Type	R22								
Holding Gas	Nitrogen Holding								
Pipe Connection Type	Flared				Brazed				
Pipe Size/Unit	Liquid	mm (in)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas	mm (in)	19.05 (3/4)	19.05 (3/4)	28.58 (1-1/8)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)

Note:

- Nominal cooling capacities are based on the conditions: indoor DB 26.7degC, WB 19.4deC, and outdoor DB 35degC.
- Air filter is an optional item.
- All specifications are subjected to change without prior notice.



SPECIFICATION: HDX050-HDX750 & HACU050-HACU150

MODEL	Indoor Unit	HDX200	HDX250	HDX300	HDX400	HDX500	HDX600	HDX750	
	Outdoor Unit	HACU100 x 2	HACU125 x 2	HACU150 x 2	HACU100 x 4	HACU125 x 4	HACU150 x 4	HACU150 x 5	
Cooling Capacity	Nominal Capacity	Btu/Hr	200,000	250,000	300,000	400,000	500,000	600,000	750,000
		Watt	58,600	73,270	87,920	117,230	146,540	175,840	219,800
INDOOR UNIT									
Casing	Material	Electro Galvanized Mild Steel							
	Finishing	Epoxy Polyester Powder Coating							
	Insulation	Polyethylenen Foam							
Dimension	Height	mm (in)	848 (33.4)	1191 (46.9)	1191 (46.9)	1191 (46.9)	1191 (46.9)	1870 (73.6)	1870 (73.6)
	Width	mm (in)	2155 (84.8)	2305 (90.7)	2305 (90.7)	2305 (90.7)	2705 (106.5)	2705 (106.5)	2705 (106.5)
	Depth	mm (in)	1185 (46.7)	1185 (46.7)	1185 (46.7)	1185 (46.7)	1400 (55.1)	1750 (68.9)	1750 (68.9)
EVAPORATOR COIL									
Type	Corrugated aluminium fin with seamless cross flow finned copper tubes								
Tube	Diameter	mm (in)	9.52 (3/8)						
Fin	Row		4	4	4	4	4	3	4
	Fins per inch		14	14	14	14	14	14	14
Capacity Step			100-50	100-50	100-50	100-75-50-25-0	100-75-50-25-0	100-75-50-25-0	100-80-60-40-20-0
Face Area		sq.m (sq.ft)	1.07(11.48)	1.45(15.58)	1.74 (18.69)	2.32 (24.93)	2.80 (30.17)	4.21 (45.26)	4.21 (45.26)
EVAPORATOR BLOWER									
Type / Drive	Centrifugal/ Belt Driven								
Blower Material	Zinc Coated Steel								
Quantity / Unit			15x15	400r	450r	450r	560r	630r	630r
Nominal Blower Diameter	mm (in)		381(15)	400(16)	450 (18)	450 (18)	560 (22)	630 (25)	630 (25)
Nominal Blower Length	mm (in)		381(15)	400(16)	450 (18)	450 (18)	560 (22)	630 (25)	630 (25)
Air flow	CMM(CFM)		170 (6000)	218 (7700)	263 (9300)	312 (11000)	413 (14600)	581 (20500)	651 (23000)
External Static Pressure	Pa (in w.g.)		150 (0.6)	200 (0.8)	200 (0.8)	200 (0.8)	250 (1.00)	300 (1.20)	350 (1.40)
EVAPORATOR BLOWER MOTOR									
Type	Squirrel Cage Induction								
Power Supply	V/PH/HZ	380-415 /3 /50							
Rated Input	Watt		2200	3000	4000	5500	7500	11000	15000
Motor Poles			4	4	4	4	4	4	4
Starter Type	Direct-On-Line								
No of Blower			1	1	1	1	1	1	1
REFRIGERANT									
Type	R22								
Precharged Gas	Nitrogen Holding								
Control type	Thermostatic Expansion Valve (TXV)								
Pipe Connection Type	Flared				Brazed				
Pipe Size/Unit	Liquid	mm (in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas	mm (in)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
Drain Pipe Connection	mm (in)	25.40 (1.0)							
AIR FILTER									
Type	Washable R29, GI frame								
Size /pc	Length x Height	mm	787X646	787X646	646X587	646X587	779X587	779X610	779X610
	Width	mm	20	20	20	20	20	20	20
Quantity			3	3	6	6	6	9	9
OUTDOOR UNIT									
Casing	Material	Electro Galvanized Mild Steel							
	Finishing	Epoxy Polyester Powder Coating							
Dimension	Height	mm (in)	900 (35.4)	900 (35.4)	970 (35.4)	900 (35.4)	900 (35.4)	970 (35.4)	970 (35.4)
	Width	mm (in)	1080 (42.5)	1080 (42.5)	1170 (42.5)	1080 (42.5)	1080 (42.5)	1170 (42.5)	1170 (42.5)
	Depth	mm (in)	940 (37.0)	940 (37.0)	967 (37.0)	940 (37.0)	940 (37.0)	967 (37.0)	967 (37.0)
Net Weight (approx)	kg (lb)		175 (385)	190 (418)	210 (462)	175 (385)	190 (418)	210 (462)	210 (462)
CONDENSER COIL									
Type	Corrugated aluminium fin with seamless cross flow finned copper tubes								
Tube	Diameter	mm (in)	9.52 (3/8)						
Fin	Row		2 x 2	2 x 2	2 x 3	2 x 2	2 x 2	2 x 3	2 x 3
	Fins per inch		14	14	14	14	14	14	14
Face Area		sq.m (sq.ft)	1.32 (14.22)	1.57 (16.89)	1.57 (16.89)	1.32 (14.22)	1.57 (16.89)	1.57 (16.89)	1.57 (16.89)
CONDENSER FAN & MOTOR									
Type / Drive	Propeller / Direct								
Blower Material	Aluminium Blade								
Quantity / Unit			1	1	1	1	1	1	1
Blade Diameter	mm (in)		660 (26)	660 (26)	750 (30)	660 (26)	660 (26)	750 (30)	750 (30)
Power Supply	V/PH/HZ	380-415 /3 /50							
Rated Current / Unit	Amp		1.6	1.6	2.6	1.6	1.6	2.6	2.6
Rated Input Power / Unit	Watt		590	590	750	590	590	750	750
Motor Poles			6	6	8	6	6	8	8
Air Flow / Unit	CMM(CFM)		221(7800)	221(7800)	340(10500)	221(7800)	221(7800)	340(10500)	340(10500)
COMPRESSOR									
Type	Scroll Hermetic								
Power Supply	V/PH/HZ	380-415 /3 /50							
Rated Current / Unit	Amp		16.4	17.9	24.2	16.4	17.9	24.2	24.2
Rated Input Power / Unit	Watt		8960	10200	13620	8960	10200	13620	13620
Protection Device	Phase Protector, Overload Protector, and Auto Reset High/Low Pressure Switch								
Capacity Control	On/Off								
Starter Type	Direct On Line								
REFRIGERANT									
Type	R22								
Holding Gas	Nitrogen Holding								
Pipe Connection Type	Brazed								
Pipe Size/Unit	Liquid	mm (in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas	mm (in)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)

Note:
 - Nominal cooling capacities are based on the conditions: indoor DB 26.7degC, WB 19.4deC, and outdoor DB 35degC.
 - Air filter is an optional item.
 - All specifications are subjected to change without prior notice.

