DEPLUS

INVERTER
AIR HANDLER MULTI POSITION



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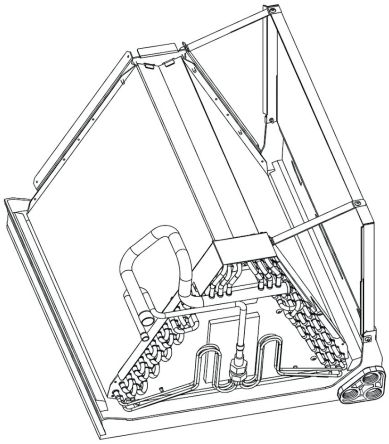
- Outstanding A2L leakage sensor with UL certification.
- High quality evaporator with inner-groove copper tube and aluminum fin.
- ECM motor from Broad Ocean.
- Use reliable TXV as the throttling part to achieve more precise control.
- Multi-position Installation, 4-way convertible design.
- Blower wheel and coil slide out easily for maintenance.
- Field Installed heater kits are optional: 5/7.5/10/15/20kW.
- AHRI Listed & ETL Certified.
- RS485 communication (optional)



MODEL:
DP-AH24HNR8 (2.0 TON)
DP-AH36HNR8 (3.0 TON)
DP-AH48HNR8 (4.0 TON)
DP-AH60HNR8 (5.0 TON)

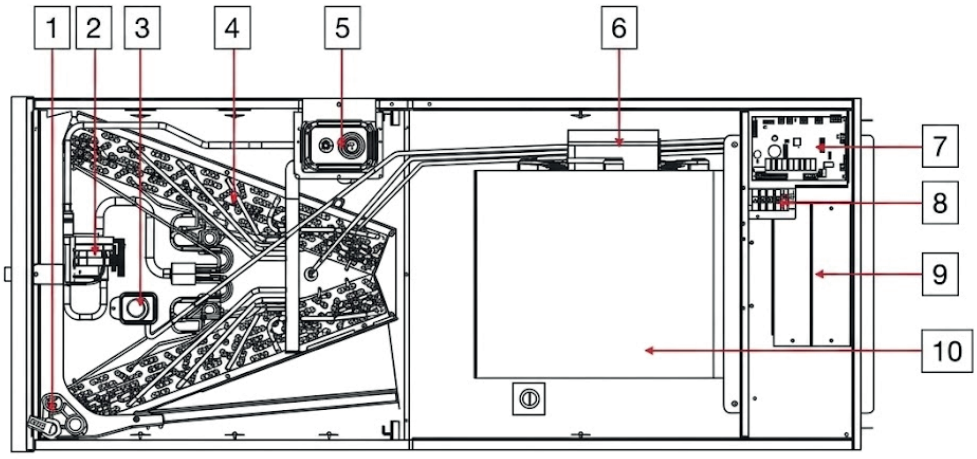
SYSTEM DIAGRAM

- A” shape coils, constructed with copper TU1(Oxygen-free copper)and enhanced aluminum fins.
- The evaporator uses aluminum end plates t effectively prevent corrosion





PRODUCT STRUCTURE EXPLANATION



1	Drain
2	TXV
3	Refrigerant leakage sensor
4	indoor coil
5	Suction line、Liquid line
6	Fan motor
7	control board
8	High voltage connection
9	Electric Heater slot cover plate
10	Fan volute

TECHNICAL SPECIFICATIONS

Model			DP-AH24HNR8	DP-AH36HNR8	DP-AH48HNR8	DP-AH60HNR8
Power Supply		V/Ph/Hz	208/230V-1 Ph-60Hz			
Cooling	Capacity	Btu/h	24000	34000	47500	56000
	SEER 2	Btu/W	13.3	11.7	11.3	10
	SEER 2	Btu/W	20	18.6	17.5	17
Heating	Capacity	Btu/h	24000	34200	48000	57000
		Btu/h (17°F)	19200	24000	40000	42000
		Btu/h (5°F)	20000	24000	34200	42500
	5°F COP		2.1	2.1	2.1	2
	HSPF2		9.4	9.0	9.0	8.6
Minimum Circuit Ampacity		A	4	4	5	5
Max. Overcurrent Protection		A	6	6	10	10
Indoor Coil	Number of rows*coil quantity		4*2	4*2	2*4	2*4
	Tube outside dia. / Type		7mm / Rifled tube			
	Fin spacing / Thickness / Type	mm / mm	1.6 / 0.095 / Hydrophilic aluminium			
	Length h*W dt h* Height	mm	447*420*53.48		546*511*26.74	
	Tube pitch(a) x row pitch (b)	mm	13.37*10.5	13.37*10.5	13.37*10.5	13.37*10.5
Indoor motor	type		ECM			
	Rated HP	HP	1/3	1/2	3/4	3/4
	Rated RPM	r/min	1060	1050	1050	1050
	FLA		2.6	3.8	5.4	5.4
Indoor fan	material		Galvanized plate			
	Type		Centrifugal			
	Diameter	inch	ϕ273x272 x ϕ12.7-195	ϕ273x272 x ϕ12.7-195	ϕ273x272 x ϕ12.7-195	ϕ273x272 x ϕ12.7-195
Indoor air flow		CFM	700	1050	1670	1850
ESP		Pa	125	125	125	125
Indoor noise level		dB (A)	51	52	59	59
Metering device	Throttle type		TXV			
	Model number		3TR	3TR	5TR	5TR
Electrical Data	Voltage-Phase-Hz	V-Ph-Hz	208/230V 1 Ph 60 Hz			
	Minimum Circuit Ampacity		4	4	5	5
	Max. Overcurrent Protection		6	6	10	10
	Min / Max Volts	V	187 / 253	187 / 253	187 / 253	187 / 253
Indoor unit	Dimension (WxHxD)	in.	19-5/8x45-3/4x22		22x53-1/8x24-1/2	
	Packing (WxHxD)	in.	22-5/6x47-5/8x25-3/5		25-1/5x54-3/4x28	
	Net / Gross weight	kg	59 / 65	59 / 65	77 / 83	77 / 83
		lbs	130 / 143	130 / 143	169 / 182	169 / 182
Refrigerant piping Liquid side / Gas side		in.	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8

DIMENSIONS

UPWARD AIRFLOW UNIT SHOWN:

THE UNIT CAN BE POSITIONED FOR TOP AIR RETURN IN DOWNWARD AIRFLOW POSITION, LEFT AND RIGHT AIR RETURN IN THE HORIZONTAL POSITION, OR BOTTOM AIR RETURN IN THE UPWARD AIRFLOW POSITION.

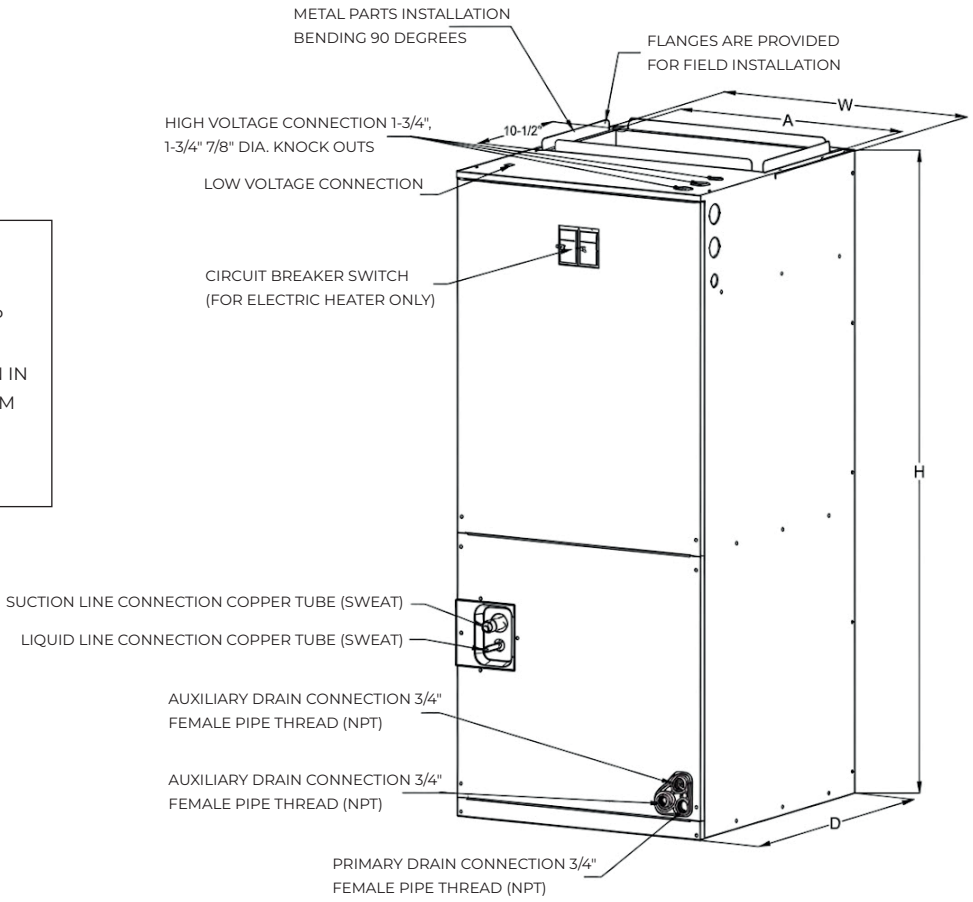


Fig.1 DIMENSIONS

DIMENSIONAL DATA

MODEL SIZE	Dimensions				
	UNIT HEIGHT "H"/in	UNIT WIDTH "W"/in	UNIT LENGTH "D"/in	SUPPLY DUCT "A"/in	LIQUID LINE / VAPOR LINE IN
24K	45-3/4	19-5/8	22	17-7/8	3/8 / 3/4
36K	45-3/4	19-5/8	22	17-7/8	3/8 / 3/4
48K	53-1/8	22	24 -1/2	19-1/2	3/8 / 7/8
60K	53-1/8	22	24 -1/2	19-1/2	3/8 / 7/8

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DEPLUS is committed to delivering high-performance HVAC solutions that combine advanced technology, durability and energy efficiency. Our systems are designed to keep you comfortable, no matter where you are.



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