

BOMBAS DE CALOR HEAT PUMPS

SERIE COMERCIAL SALIDA SUPERIOR TOP DISCHARGE



Bombas de calor comerciales con salida superior para trabajar en el exterior.

- Estructura principal y paneles externos son de chapa galvanizada o **acero inoxidable 304-316L opcional**.
- Panel de control LCD.
- Aislamiento térmico interno para aumentar el COP.
- **Opcional evaporizador anticorrosivo.**
- Ventilador exterior axial para garantiza un menor ruido y vibración.
- Serpentin de cobre de alta calidad construido con tecnología de rosca exterior.
- Función de descongelación automática incluida.
- Todas las unidades testadas antes de salir de fábrica.

Comercial heat pump with top discharge prepared to work outdoor.

- Base frame and externa) panels are made of galvanized sheet or **stainless steel 304-316L optional**.
- Touch design LCD control panel.
- Well heat insulation inside the unit to increase the COP.
- **Optional evaporator anti-corrosive.**
- Exterior rotor fan ensures lower noise and vibration.
- High quality copper tube coils constructed of outer thread technology
- Automatic defrosting function included
- General testing and operational test carried out for every unit before packaging in the factory.

FEATURES	NDE-PF-30	NDE-PF-50	NDE-PF-100	NDE-PF-120	NDE-PF150	NED-PF-200	NDE-PF-250	NDE-PF-300
Heating capacity (kW)*	16.00	25.00	49.50	57.90	68.50	99.70	118.60	140.60
Input power (kW)*	1.70	4.20	8.50	9.80	11.80	17.00	20.50	24.10
COP*	5.93	5.95	5.82	5.91	5.81	5.86	5.79	5.83
Heating capacity (kW)**	11.80	17.50	38.30	43.50	51.30	73.80	86.20	101.30
Input power(kW)**	2.65	3.90	8.30	9.40	11.20	16.20	18.90	22.30
COP**	4.45	4.49	4.61	4.63	4.58	4.56	4.56	4.54
Rated Current (A)	6.90	10.80	21.30	24.90	29.50	42.90	51.00	60.50
Noise (db(A))	<55	<58	<66	<66	<68	<68	<72	<75
Net weight/gross(kg)	100/106	145/155	300/320	330/350	372/412	482/532	582/642	612/675
Water connection (mm)	50ø		63ø		75ø		90ø	
Body size (W x D x H) (mm)	710x 710x 870	810x 800x 1300	1580x 800x 1600			1580x 1000x 1950	2000x 1100x 2080	2300x 1100x 2300
Compressor	Scroll							
Refridgerant	R407C							
Power supply	1Ph w220V/3Ph/50Hz or 60Hz							
Condenser	7Titanium in PVC							
Evaporator	U-1 / 1660*650 ø9.52	U-1 / 1860*900 ø9.52 60*900ø9.52	V-2 / 652*1260*2 ø9.52	V-3 / 652*1260*2 ø9.52	V-3 / 652*1260*2 ø9.52	V-3 / 900*1500*2 ø9.52	V-3 / 900*1700*2 ø9.52	V-3 / 900*1900*2 ø9.52
Four Way Valve	DSF-11		DSF-20				DSF-35	
Expansion Valve	Danfoss/Emmerson							
Ac Contactor	220V-18A	220V-25A	(220V-18A)*2	(220V-125A)*2	(220V-32A)*2		(220V-38A)*2	
Controller	Dual System (Motorolla Chip)							
Low voltage Switch	0.05/0.25 Mpa							
High voltage Switch	3.0 / 3.6 Mpa							
Power cable connector with unit	3*4mm²	3*4mm² + 2*2.5 mm²	3*6mm² + 2*2.5 mm²		3*10mm² + 2*4mm²		3*16mm² + 2*6mm²	
Packing	Plywood							

Heating*: Inlet water temperature 26°C, outlet water temperature 28°C, dry bulb temperature 26°C, humidity 80%.

Heating**: Inlet water temperature 26°C, outlet water temperature 28°C, dry bulb temperature 15°C, humidity 70%.