



## Technical Specification

# Dehumidifier

Series		DN	DF	DF	DP	DP	
Unit Model		MDDE-10DEN7-QA3	MDDF-16DEN7-QA3	MDDF-20DEN7-QA3	MDDP-30DEN7-QA3	MDDP-50DEN7-QA3	
Power supply	V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	
Performance	Moisture removal (30 °C/80%)	L/day	10	16	20	30	50
	Rated.input (30 °C/80%)	W	230	350	360	550	850
	Rated.Current(30 °C/80%)	A	1.4	2	2.1	2.9	3.7
	EEV	L/kWh	1.8	1.9	2.3	2.2	2.4
	Moisture removal (27 °C/60%)	L/day	5.5	10.0	10.0	19.0	28.5
	Rated.input (27 °C/60%)	W	200	280	290	465	700
	Rated.Current (27 °C/60%)	A	1.3	1.8	1.9	2.2	3.1
DER (27 °C/60%)	L/kWh	1.1	1.5	1.4	1.7	1.7	
Max. input consumption	W	340	430	440	715	1060	
Max. current	A	1.9	2.2	2.3	3.2	5.4	
Starting current	A	5.5	10	10	11	13	
Control type		Electronic Control	Electronic Control	Electronic Control	Electronic Control	Electronic Control	
System Data	Refrigerant type	kg	R290/0.045	R290/0.075	R290/0.075	R290/0.100	R290/0.145
	Design pressure	MPa	2.6/1.0	2.6/1.0	2.6/1.0	2.6/1.0	2.6/1.0
	Water tank volume	L	2.1	3	3	3	6
	Air flow (Hi/Mi/Lo)	m3/h	107/0/0	150/122/74	168/125/99	191/-/166	353/-/319
	Sound pressure level (Hi/Mi/Lo)	dB(A)	44/0/0	47/45/42	47/45/42	50/-/48	50/-/48
	Sound power level(Hi)	dB(A)	54	0	0	59	60
	Standby power consumption	W	3	3	3	3	3
Applicable Ambient	RH Range Manual		35-85	35-85	35-85	35-85	35-85
	Ambient temp	°C	5-32	5-32	5-32	5-32	5-32
Application area	m2	10~15	16~24	20~30	30~45	50~75	
Application area	Sq. Feet	107~161	172~258	215~323	323~484	538~807	
Dimension (W*D*H)	mm	320x215x420	350x245x510	350x245x510	386x260x500	392x282x2616	
Packing (W*D*H)	mm	360x253x440	385x300x530	385x300x530	420x297x532	430x330x657	
Net/Gross weight	Kg	11.3/12	15/16.1	15.1/16.2	17.0/18.2	19.0/20.1	
Loading quantity 20' /40' /40'HQ	Pieces	720/1485/1780	480/976/1220	480/976/1220	432/880/1100	288/582/775	

- All specifications subject to change without prior notice according to Carrier policy of continuous development.

## Product Overview

### DN series



## DN Dehumidifier



#### Low-noise Design

Minimize noise and maximize comfort by optimizing the refrigeration and air duct systems. The noise is as low as 44dB.



#### Smart Dehumidification

Automatically control room humidity in a comfortable range between 45%-55% according to room temperature, which inhibits bacterial growth.

### DF series



## DF Dehumidifier



#### Substantial Loading Quantity

Up to 1750 units per 40 HQ.



#### Low-noise Design

Minimize noise and maximize comfort by optimizing the refrigeration and air duct system. The noise is as low as 43dB.

### DP series



## DP Dehumidifier



#### Smart Dehumidification

Automatically control room humidity in a comfortable range between 45%-55% according to room temperature, which inhibits bacterial growth.



#### Timer

The timer can be set to start and stop at any point in a 24- hour period.