

DE- HUMIDIFIER



(INDUSTRIAL MODEL)

Industrial models are available in Stainless steel and Mild steel construction only



(COMMERCIAL MODEL)

Commercial Models are available in fibre body construction only

KEY FEATURES

- **High Moisture Removal Efficiency**
Effectively removes excess humidity from the air, maintaining optimal moisture levels.
- **Energy-Efficient Operation**
Equipped with advanced rotary or scroll compressors for low power consumption.
- **Digital Humidity Control**
Precise digital humidity setting and display for accurate environmental control.
- **Automatic Defrost System**
Prevents ice formation on coils, ensuring continuous and efficient performance.
- **Large Airflow Capacity**
High-capacity fans ensure rapid dehumidification in large areas.
- **Durable Construction**
Corrosion-resistant body suitable for industrial and laboratory environments.
- **Low Noise Operation**
Designed for quiet performance, ideal for indoor installations.
- **Auto Restart Function**
Automatically resumes operation after a power failure with previous settings.
- **Drainage Options**
Continuous drainage connection for hassle-free operation.
- **Portable and Compact Design**
Easy to move and install; available in floor mounted or ducted type

TECHNICAL MATRIX

Model Number			DE-325 10L	DE-325-16 L	DE-325 20 L	DE-325-30 L	DE-325 50 L
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 (30°C/80%)	Moisture Removal	L/day	10	16	20	30	50
	Input	W	230	330	360	550	850
	Current	A	1.4	1.9	2.1	2.9	3.7
	EEV	L/kWh	1.8	2.0	2.3	2.2	2.4
Performance (27°C/60%)	Moisture Removal	L/day	5.5	9	10	19	28.58
	Input	W	200	270	280	465	700
	Current	A	1.3	1.7	1.7	2.2	3.1
	DER	L/kWh	1.1	1.4	1.5	1.7	1.7
Starting Current		A	5.5	10.0	10	11	13
Control Type			Electronic Control				
System Data	Refrigerant Type		R290-0.045kg	R290-0.07kg	R290-0.07kg	R290-0.1kg	R290-0.145kg
	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
	Airflow(Hi/Mi/ Lo)	m ³ /h	107/0/0	150/122/74	168/125/99	191/-/166	353/-/319
	Noise Level (Hi/ Mi/Lo)	dB(A)	47/0/0	45.9/43.2/38.6	46/43/41	50/-/48.5	49.5/-/48
Applicable Ambient	RH Range Manual		35-85	35-85	35-85	35-85	35-85
	Ambient Temperature	°C	5-32	5-32	5-32	5-32	5-32
	Application Area	m ²	16-31	29-44	37-52	58-73	101-116
Dimension (WxDxH)		mm	320x222x420	350x245x510	350x245x510	386x260x500	392x282x616
Packing(W xDxH)		mm	360x258x440	380x298x530	380x298x530	420x297x532	430x330x657
Net/Gross Weight		kg	11.14/11.97	14.3/15.2	14.3/15.2	17.0/18.2	19.5/21
Compressor	Type		Reciprocating	Reciprocating	Reciprocating	Rotary	Rotary
	Refrigerant Oil/ Oil Charge	ml	RF22S-135ml	RF22S-190ml	RF22S-190ml	XS-601C1-170±10ml	XS-601C1-170±10ml
	Power Supply		V-Ph-Hz	220_240V_1Ph_50Hz	220_240V_1Ph_50Hz	220_240V_1Ph_50Hz	220_240V_1Ph_50Hz