

# General Purpose Commercial and Industrial Dehumidifiers

## DRY-O-TRON®

*RB5 Series  
(Rooftop Economizer,  
weatherproof hood  
not shown)*



- Controls humidity
- Optional A/C and heating coils for year-round environment control
- Microprocessor controls, flexible and reliable
- Optional Hypoxy® coated coils
- Rooftop (RA5/RB5) and Indoor (DA5/DV5/DB5) Installation
- Economizer models (DB5/RB5)
- Heat recovery available

### QUALITY FEATURES

- Choice of horizontal or vertical airflow designs (up to model 030 indoor units)
- For Rooftop and Economizer descriptions see page 6/7
- Scroll compressors (most models) for high reliability and quieter operation
- Outdoor air inlet to meet ASHRAE Ventilation Standard 62-1989 (model 040 and up, optional otherwise)
- Remote operator panel (optional on DOTICS-9 systems)
- Contributes to space heating when required
- Corrosion proof self-draining sanitary drain pan
- Voltages available: 208/230 single phase 60 Hz  
208/230, 460, 575 three phase 60 Hz

### OPTIONS AVAILABLE

- Air conditioning package (air, water or fluid-cooled), (Rooftop models can be ordered with integral air-cooled condensers)
- Gas (see page 9), electric, steam or hot water heating coil
- Exhaust with heat recovery (see page 9)
- Auxiliary water heaters for other uses
- Humidifier module
- Higher air volumes and higher external static pressures
- Top, bottom or side air return and discharge locations
- Power supply for ventilation 180VA, 24V
- Factory Service modem (DOTICS-9 Systems only)
- "Zero" reheat, supplies air at neutral conditions to minimize space temperature fluctuations
- Personal computer interface (DOTICS-9 systems only, see page 22)
- Field assembled and split units for difficult or retrofit installations
- Air flow sensors for filter maintenance
- Metasys® compatibility
- Firestat interlock
- Roof curb
- Extended warranty plans (see page 23)
- 50 Hz operation



*DV5 Series  
(Vertical  
Airflow)*



### OPERATING RANGE\*

Air on temperature 70 thru 100°F DB

Air on relative humidity 40 thru 70% RH

\* For conditions outside this range, consult your DRY-O-TRON® representative or the factory for assistance



### PERFORMANCE DATA

Model	Moisture Removal <sup>1</sup>	Air Volume <sup>2</sup>	Total Energy Consumption <sup>1</sup> DA5/DV5/RA5	Total Energy Consumption <sup>1</sup> DB5/RB5	Total Capacity <sup>1</sup>	External Static Pressure <sup>3</sup>
DA5/DV5/RA5/ DB5/RB5	lb/h	cfm	kW	kW	Btu/h	in WC
010 <sup>5</sup>	11.0	1,000	2.4	-	25,690	0.5
015 <sup>5</sup>	13.7	1,200	3.4	-	31,900	0.5
020 <sup>5</sup>	23.1	2,000	4.5	-	53,900	0.5
030 <sup>5</sup>	30.3	3,000	6.3	-	70,660	0.5
040	45.5	3,300	8.3	9.4	106,160	0.5
042 <sup>4</sup>	46.2	3,800	9.0	-	107,790	0.5
060	64.8	5,200	13.3	17.0	139,890	0.5
080	91.0	6,500	17.6	21.3	212,310	1.0
100	117.3	8,200	24.6	30.2	273,610	1.0
120	140.3	11,000	29.6	35.2	326,620	1.0
150	175.0	13,500	35.3	42.8	408,280	1.0
182	227.5	16,000	45.5	53.0	530,770	1.0
242	280.0	20,000	59.2	70.4	653,250	1.0
282	339.5	25,000	74.2	92.8	792,070	1.0
362	454.0	32,000	94.7	113.4	1,060,480	1.0
482	560.0	40,000	118.4	140.8	1,306,500	1.0
562	680.0	50,000	148.4	185.7	1,585,180	1.0

1. At air on 82°F and 60% RH.

2. Higher air volumes available, please contact factory.

3. Higher external static pressures available, please contact factory

4. Model 042 is a 208/230 single phase unit.

5. DV5 available only in models 010, 015, 020 and 030

### DIMENSIONAL DATA

Model <sup>3</sup>	DA5 Series		RA5 Series		DB5 Series		RB5 Series	
	Dimensions <sup>1</sup> L x W x H in	Net Weight <sup>2</sup> lb	Dimensions <sup>1</sup> L x W x H in	Net Weight <sup>2</sup> lb	Dimensions <sup>1</sup> L x W x H in	Net Weight <sup>2</sup> lb	Dimensions <sup>1</sup> L x W x H in	Net Weight <sup>2</sup> lb
010 <sup>3</sup>	59 x 24 x 30	330	24 x 30 x 60	400	-	-	-	-
015 <sup>3</sup>	59 x 24 x 30	350	24 x 30 x 60	470	-	-	-	-
020 <sup>3</sup>	62 x 36 x 30	500	36 x 30 x 65	600	-	-	-	-
030 <sup>3</sup>	71 x 43 x 30	560	43 x 30 x 65	800	-	-	-	-
040	75 x 47 x 41	1,300	85 x 53 x 48	1,625	172 x 51 x 50	2,500	172 x 53 x 52	2,750
042	95 x 47 x 41	1,400	85 x 53 x 48	1,625	-	-	-	-
060	77 x 55 x 46	1,600	87 x 59 x 54	1,950	174 x 57 x 60	2,800	174 x 59 x 62	3,130
080	103 x 62 x 51	2,400	110 x 68 x 52	2,750	204 x 66 x 56	3,800	204 x 68 x 58	4,200
100	109 x 66 x 58	2,900	110 x 68 x 60	3,200	204 x 66 x 60	4,500	204 x 68 x 62	4,900
120	123 x 70 x 72	3,800	124 x 72 x 74	4,200	224 x 70 x 74	5,400	224 x 72 x 76	5,800
150	123 x 70 x 72	3,900	124 x 72 x 74	4,300	224 x 70 x 74	5,450	224 x 72 x 76	5,850
182	153 x 82 x 76	5,490	160 x 88 x 82	6,000	270 x 86 x 82	8,800	270 x 88 x 84	9,400
242	153 x 82 x 87	6,250	160 x 88 x 92	6,700	270 x 86 x 92	9,700	270 x 88 x 94	10,300
282	153 x 94 x 87	7,080	160 x 100 x 92	7,600	270 x 98 x 92	10,700	270 x 100 x 94	11,350
362	230 x 110 x 102	11,400	236 x 110 x 104	12,500	350 x 110 x 104	17,900	350 x 110 x 116	21,400
482	230 x 110 x 114	13,100	236 x 110 x 116	14,700	370 x 110 x 116	19,800	370 x 110 x 116	21,400
562	260 x 120 x 124	14,900	266 x 120 x 124	16,100	400 x 120 x 126	22,400	400 x 120 x 126	23,700

1. Certain options require larger enclosure

2. Options not included

3. For DV5 Series dimensions see page 5 (DSV Series)