



# Dehumidifiers



**An efficient cost effective range of packaged dessicant dehumidifiers, designed for humidity and condensation control across a wide range of dewpoint temperatures**

## **Applications:**

- **Pharmaceutical Production**
- **Plastics Manufacturing**
- **Switchboard Rooms**
- **Museums & Art Galleries**
- **Electronics Manufacturing**
- **Butchery Operations**
- **Confectionary & Food Production**
- **Storerooms**
- **Process Air Systems**
- **Film Production**
- **Flood Restoration**
- **Pumping Stations**

Australasia Sole agents --

**AVON** ELECTRIC Ltd

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# Dehumidifiers Models

## Small Range - DT 160 - 450 (44 to 125 LPS)



**Air Flow : 160m<sup>3</sup>/ hr (44 LPS)**  
**Weight : 14 kg**  
**Dimensions : 315 x 315 x 307mm**  
**(Electric Reactivation Only)**

**Dehutech DT 160**



**Air Flow : 210m<sup>3</sup>/ hr (58 LPS)**  
**Weight : 16.5 kg**  
**Dimensions : 315 x 315 x 457mm**  
**(Electric Reactivation Only)**

**Dehutech DT 210**



**Air Flow : 250m<sup>3</sup>/ hr (80 LPS)**  
**Weight : 18 kg**  
**Dimensions : 335 x 351 x 412mm**  
**(Electric Reactivation Only)**

**Dehutech DT 250**



**Air Flow : 320m<sup>3</sup>/ hr (94 LPS)**  
**Weight : 18 kg**  
**Dimensions : 335 x 351 x 412mm**  
**(Electric Reactivation Only)**

**Dehutech DT 320**



**Air Flow : 400m<sup>3</sup>/ hr (111 LPS)**  
**Weight : 23 kg**  
**Dimensions : 504 x 428 x 526mm**  
**(Electric Reactivation Only)**

**Dehutech DT 400**



**Air Flow : 450m<sup>3</sup>/ hr (125 LPS)**  
**Weight : 24 kg**  
**Dimensions : 504 x 428 x 526mm**  
**(Electric Reactivation Only)**

**Dehutech DT 450**

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# Dehumidifiers Models

## Medium Range - DT 800 - 4500 (222 to 1250 LPS)



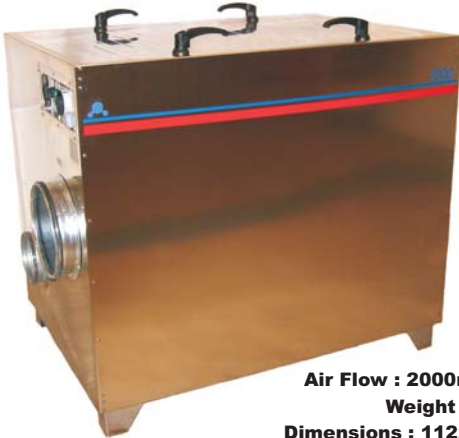
**Air Flow : 800m<sup>3</sup>/ hr (222 LPS)**  
**Weight : 80 kg**  
**Dimensions : 1050 x 600 x 690mm**  
**(Electric Reactivation Only)**

**Dehutech DT 800**



**Air Flow : 1000m<sup>3</sup>/ hr (278 LPS)**  
**Weight : 177 kg**  
**Dimensions : 1122 x 805 x 1020mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 1000**



**Air Flow : 2000m<sup>3</sup>/ hr (555 LPS)**  
**Weight : 180 kg**  
**Dimensions : 1122 x 805 x 1020mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 2000**



**Air Flow : 3000m<sup>3</sup>/ hr (833 LPS)**  
**Weight : 185 kg**  
**Dimensions : 1122 x 805 x 1020mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 3000**



**Air Flow : 3500m<sup>3</sup>/ hr (942 LPS)**  
**Weight : 350 kg**  
**Dimensions : 1703 x 950 x 1071mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 3500**



**Air Flow : 4500m<sup>3</sup>/ hr (1250 LPS)**  
**Weight : 410 kg**  
**Dimensions : 1800 x 1160 x 1221mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 4500**

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# Dehumidifiers Models

## Large Range - DT 5000 - 27000 (1390 to 7500 LPS)



**Air Flow : 5000m<sup>3</sup>/ hr (1390 LPS)**  
**Weight : 890kg**  
**Dimensions : 2000 x 1350 x 1780mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 5000**



**Air Flow : 6000m<sup>3</sup>/ hr (1666 LPS)**  
**Weight : 900kg**  
**Dimensions : 2000 x 1350 x 1780mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 6000**



**Air Flow : 8000m<sup>3</sup>/ hr (2222 LPS)**  
**Weight : 950kg**  
**Dimensions : 2000 x 1350 x 2050mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 8000**



**Air Flow : 13000m<sup>3</sup>/ hr (3600 LPS)**  
**Weight : 1350kg**  
**Dimensions : 2250 x 1600 x 2300mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 13000**



**Air Flow : 19000m<sup>3</sup>/ hr (5270 LPS)**  
**Weight : 1700kg**  
**Dimensions : 2400 x 1900 x 2500mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 19000**

**Air Flow : 27000m<sup>3</sup>/ hr (7500 LPS)**  
**Weight : 2400kg**  
**Dimensions : 2900 x 2400 x 2500mm**  
**(Electric / Stream / Gas Reactivation)**

**Dehutech DT 27000**

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# Dehumidifiers Performance Charts

## Dehumidification Capacity (kg/h)

### at 10% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.05	0.1	0.1	0.1	0.2	0.2
DT 210	0.08	0.1	0.1	0.2	0.2	0.3
DT 250	0.13	0.2	0.2	0.3	0.4	0.4
DT 320	0.15	0.2	0.3	0.3	0.4	0.5
DT 400	0.16	0.2	0.3	0.4	0.7	0.6
DT 450	0.23	0.4	0.4	0.6	0.7	0.9
DT 800	0.44	0.7	0.8	1.1	1.5	1.7
DT 1000	0.6	0.9	1.1	1.6	2.2	2.8
DT 2000	1.1	1.7	2.1	2.8	3.6	4.2
DT 3000	1.5	2.3	2.7	3.5	4.3	4.7
DT 3500	2.0	3.0	3.6	4.8	6.3	7.2
DT 4500	2.5	3.9	4.8	6.4	8.5	10.0
DT 5000	2.8	4.4	5.3	7.1	9.3	10.6
DT 6000	3.3	5.3	6.5	8.8	11.6	13.5
DT 8000	4.4	6.8	8.3	11.1	14.6	16.7
DT 13000	7.1	11.5	14.0	18.8	25.1	29.1
DT 19000	10.1	16.3	19.8	26.6	35.4	41.4
DT 27000	15.4	23.9	28.8	38.3	50.4	57.7

### at 15% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.09	0.1	0.2	0.2	0.3	0.3
DT 210	0.19	0.2	0.3	0.4	0.5	0.6
DT 250	0.12	0.2	0.2	0.3	0.3	0.4
DT 320	0.22	0.3	0.4	0.5	0.6	0.6
DT 400	0.25	0.3	0.5	0.6	0.7	0.8
DT 450	0.36	0.5	0.7	0.8	1.0	1.2
DT 800	0.68	0.9	1.3	1.7	2.0	2.4
DT 1000	0.9	1.3	1.8	2.5	3.1	4.0
DT 2000	1.8	2.4	3.3	4.3	5.1	5.9
DT 3000	2.4	3.1	4.3	5.2	5.9	6.5
DT 3500	3.0	4.0	5.6	7.2	8.6	9.9
DT 4500	3.9	5.2	7.4	9.6	11.7	13.8
DT 5000	4.5	6.1	8.5	11.0	13.1	15.1
DT 6000	5.5	7.4	10.5	13.6	16.5	19.4
DT 8000	7.0	9.5	13.3	17.3	20.7	23.8
DT 13000	11.8	16.0	22.5	29.3	35.6	41.8
DT 19000	16.6	22.6	31.7	41.3	50.0	59.4
DT 27000	24.4	32.8	46.1	59.6	71.3	82.1

### at 20% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.12	0.2	0.2	0.3	0.3	0.4
DT 210	0.16	0.2	0.3	0.3	0.4	0.4
DT 250	0.25	0.3	0.4	0.5	0.6	0.7
DT 320	0.3	0.4	0.5	0.6	0.7	0.8
DT 400	0.33	0.4	0.6	0.7	0.8	0.9
DT 450	0.48	0.6	0.8	1.1	1.3	1.5
DT 800	0.91	1.2	1.6	2.1	2.5	3.0
DT 1000	1.3	1.7	2.4	3.2	4.1	5.0
DT 2000	2.4	3.2	4.3	5.5	6.6	7.5
DT 3000	3.2	4.1	5.5	6.6	7.5	8.2
DT 3500	4.1	5.4	7.2	9.1	10.8	12.4
DT 4500	5.2	6.9	9.4	12.1	14.8	17.3
DT 5000	6.2	8.2	10.9	14.0	16.8	19.2
DT 6000	7.6	10.1	13.5	17.5	21.3	24.8
DT 8000	9.7	12.9	17.3	22.3	26.8	30.7
DT 13000	16.2	21.8	29.2	37.8	46.1	53.8
DT 19000	22.9	30.6	41.0	53.2	64.7	76.3
DT 27000	33.4	44.7	60.0	77.1	92.7	105.7

### at 25% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.14	0.2	0.3	0.3	0.4	0.5
DT 210	0.18	0.2	0.3	0.4	0.4	0.5
DT 250	0.29	0.4	0.5	0.6	0.7	0.8
DT 320	0.35	0.5	0.6	0.8	0.8	0.9
DT 400	0.39	0.5	0.7	0.8	1.0	1.1
DT 450	0.56	0.8	1.0	1.3	1.5	1.7
DT 800	1.06	1.5	2.0	2.5	3.0	3.4
DT 1000	1.5	2.1	2.9	3.9	4.9	5.8
DT 2000	2.9	4.0	5.3	6.6	7.9	8.8
DT 3000	3.8	5.2	6.5	7.9	8.9	9.6
DT 3500	4.7	6.6	8.6	10.7	12.7	14.3
DT 4500	6.0	8.6	11.2	14.4	17.4	20.1
DT 5000	7.3	10.2	13.2	16.8	20.1	22.6
DT 6000	8.9	12.6	16.4	21.0	25.6	29.2
DT 8000	11.4	16.3	21.2	27.1	32.4	36.3
DT 13000	19.1	27.3	35.6	45.7	55.6	63.5
DT 19000	26.9	38.3	49.8	64.1	77.8	89.8
DT 27000	39.5	56.3	73.5	93.6	112.1	125.3

### at 30% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.18	0.3	0.3	0.4	0.4	0.5
DT 210	0.22	0.3	0.4	0.4	0.5	0.6
DT 250	0.35	0.5	0.6	0.7	0.8	0.9
DT 320	0.42	0.6	0.7	0.9	0.9	1.0
DT 400	0.47	0.6	0.8	1.0	1.1	1.2
DT 450	0.67	0.9	1.2	1.4	1.7	1.9
DT 800	1.29	1.8	2.3	2.8	3.4	3.8
DT 1000	1.8	2.6	3.5	4.5	5.6	6.5
DT 2000	3.5	4.8	6.3	7.6	9.0	9.9
DT 3000	4.6	6.2	7.7	9.0	10.1	10.7
DT 3500	5.7	7.8	10.1	12.2	14.3	15.9
DT 4500	7.3	10.1	13.3	16.4	19.7	22.4
DT 5000	8.8	12.1	15.8	19.4	23.0	25.4
DT 6000	10.8	15.0	19.7	24.3	29.4	33.0
DT 8000	14.0	19.5	25.6	31.5	37.4	41.3
DT 13000	23.4	32.6	42.8	52.9	63.9	71.9
DT 19000	32.9	45.6	59.7	74.1	89.5	101.5
DT 27000	48.6	67.8	89.1	109.0	129.7	142.7

### at 35% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.21	0.3	0.4	0.4	0.5	0.5
DT 210	0.25	0.3	0.4	0.5	0.5	0.6
DT 250	0.41	0.5	0.7	0.8	0.9	0.9
DT 320	0.49	0.6	0.8	1.0	1.0	1.1
DT 400	0.55	0.7	0.9	1.1	1.2	1.3
DT 450	0.78	1.0	1.3	1.6	1.9	2.1
DT 800	1.50	2.0	2.6	3.2	3.7	4.2
DT 1000	2.1	3.0	4.0	5.1	6.2	7.0
DT 2000	4.1	5.6	7.1	8.7	10.0	10.9
DT 3000	5.4	7.1	8.6	10.0	11.1	11.8
DT 3500	6.6	8.9	11.2	13.6	15.6	17.3
DT 4500	8.5	11.6	14.9	18.5	21.6	24.4
DT 5000	10.3	14.0	17.8	22.0	25.5	28.0
DT 6000	12.7	17.3	22.2	27.7	32.7	36.4
DT 8000	16.6	22.7	29.1	36.1	41.8	46.0
DT 13000	27.5	37.6	48.4	60.5	71.3	79.7
DT 19000	38.6	52.7	67.5	84.6	99.9	112.1
DT 27000	57.6	79.0	101.5	125.3	145.6	159.3

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# Dehumidifiers Performance Charts

## Dehumidification Capacity (kg/h)

### at 40% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.24	0.3	0.4	0.5	0.5	0.6
DT 210	0.27	0.3	0.4	0.5	0.6	0.6
DT 250	0.45	0.6	0.7	0.8	0.9	1.0
DT 320	0.54	0.7	0.9	1.1	1.1	1.2
DT 400	0.60	0.8	1.0	1.2	1.3	1.4
DT 450	0.85	1.1	1.5	1.7	2.0	2.2
DT 800	1.64	2.2	2.9	3.5	4.0	4.5
DT 1000	2.3	3.3	4.4	5.7	6.7	7.4
DT 2000	4.5	6.1	7.9	9.5	10.8	11.6
DT 3000	5.9	7.7	9.4	10.9	11.9	12.6
DT 3500	7.2	9.7	12.3	14.7	16.6	18.4
DT 4500	9.3	12.7	16.4	20.0	23.2	26.0
DT 5000	11.3	15.3	19.7	24.0	27.6	30.0
DT 6000	13.9	18.9	24.5	30.4	35.6	39.0
DT 8000	18.3	25.0	32.5	39.9	45.8	49.8
DT 13000	30.2	41.3	53.7	66.5	77.8	85.9
DT 19000	42.4	57.7	74.7	92.9	109.0	120.3
DT 27000	63.6	87.2	113.4	138.4	160.0	172.9

### at 45% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.27	0.4	0.4	0.5	0.5	0.6
DT 210	0.30	0.4	0.5	0.5	0.6	0.6
DT 250	0.50	0.6	0.8	0.9	1.0	1.0
DT 320	0.61	0.8	1.0	1.1	1.2	1.2
DT 400	0.67	0.9	1.0	1.2	1.4	1.5
DT 450	0.96	1.3	1.6	1.9	2.1	2.4
DT 800	1.84	2.5	3.1	3.7	4.3	4.7
DT 1000	2.7	3.7	4.8	6.1	7.1	7.7
DT 2000	5.1	6.8	8.6	10.2	11.5	12.3
DT 3000	6.6	8.5	10.1	11.6	12.7	13.4
DT 3500	8.1	10.7	13.2	15.6	17.5	19.2
DT 4500	10.5	14.1	17.8	21.4	24.6	27.3
DT 5000	12.7	16.9	21.4	25.8	29.5	31.8
DT 6000	15.7	21.0	26.7	32.8	38.1	41.4
DT 8000	20.7	28.0	35.7	43.4	49.3	53.3
DT 13000	34.1	46.0	58.7	72.0	83.5	91.5
DT 19000	47.8	64.2	81.6	100.5	117.0	127.6
DT 27000	72.5	97.9	124.8	150.6	172.9	185.9

### at 50% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.3	0.4	0.5	0.5	0.6	0.6
DT 210	0.33	0.4	0.5	0.6	0.6	0.7
DT 250	0.56	0.7	0.8	0.9	1.0	1.1
DT 320	0.67	0.9	1.0	1.2	1.2	1.3
DT 400	0.74	0.9	1.1	1.3	1.4	1.6
DT 450	1.05	1.4	1.7	2.0	2.2	2.5
DT 800	2.04	2.7	3.4	4.0	4.5	4.8
DT 1000	3.0	4.1	5.3	6.6	7.5	7.8
DT 2000	5.7	7.5	9.3	10.9	12.2	12.8
DT 3000	7.3	9.2	10.9	12.3	13.3	14.0
DT 3500	9.0	11.6	14.2	16.5	18.2	19.9
DT 4500	11.6	15.4	19.3	22.7	25.6	28.3
DT 5000	14.0	18.5	23.3	27.7	31.0	33.1
DT 6000	17.3	23.0	29.2	35.3	40.2	43.1
DT 8000	23.2	30.9	39.3	47.1	52.3	56.2
DT 13000	37.9	50.4	64.3	77.6	88.4	95.8
DT 19000	53.1	70.4	89.2	108.3	124.1	133.0
DT 27000	81.2	108.2	137.7	163.2	184.4	196.5

### at 55% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.33	0.4	0.5	0.6	0.6	0.6
DT 210	0.36	0.4	0.5	0.6	0.6	0.7
DT 250	0.60	0.7	0.9	1.0	1.0	1.1
DT 320	0.73	0.9	1.1	1.2	1.2	1.3
DT 400	0.80	1.0	1.2	1.4	1.5	1.7
DT 450	1.15	1.5	1.8	2.1	2.3	2.5
DT 800	2.23	2.9	3.6	4.2	4.6	5.0
DT 1000	3.3	4.5	5.7	7.0	7.8	7.9
DT 2000	6.2	8.1	9.9	11.4	12.7	13.2
DT 3000	7.9	9.9	11.4	12.8	13.8	14.5
DT 3500	9.8	12.5	15.0	17.2	18.7	20.4
DT 4500	12.7	16.6	20.4	23.7	26.4	29.1
DT 5000	15.3	20.0	24.8	29.1	32.3	34.2
DT 6000	19.0	24.9	31.1	37.2	42.0	44.5
DT 8000	25.5	33.6	42.2	50.0	55.0	58.9
DT 13000	41.5	54.7	68.6	82.0	92.6	99.7
DT 19000	58.2	76.3	95.1	114.5	130.2	137.7
DT 27000	89.8	118.2	147.8	173.2	194.8	206.5

### at 60% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.35	0.4	0.5	0.6	0.6	0.7
DT 210	0.38	0.5	0.5	0.6	0.6	0.7
DT 250	0.64	0.8	0.9	1.0	1.1	1.1
DT 320	0.77	1.0	1.2	1.3	1.3	1.4
DT 400	0.85	1.1	1.2	1.4	1.5	1.7
DT 450	1.21	1.6	1.9	2.1	2.3	2.6
DT 800	2.35	3.1	3.7	4.3	4.8	5.0
DT 1000	3.5	4.9	6.0	7.3	8.1	8.0
DT 2000	6.6	8.7	10.5	11.9	13.1	13.5
DT 3000	8.3	10.5	11.9	13.3	14.3	14.9
DT 3500	10.3	13.2	15.6	17.7	19.1	20.8
DT 4500	13.4	17.7	21.4	24.6	27.1	29.7
DT 5000	16.2	21.5	26.2	30.3	33.4	35.0
DT 6000	20.0	26.7	32.8	38.9	43.6	45.5
DT 8000	27.1	36.2	44.9	52.7	57.3	61.0
DT 13000	43.9	58.7	72.7	86.0	96.2	102.7
DT 19000	61.5	81.9	100.6	120.1	135.5	141.0
DT 27000	95.4	127.7	157.3	182.3	204.0	214.8

### at 65% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.38	0.5	0.5	0.6	0.6	0.7
DT 210	0.40	0.5	0.5	0.6	0.6	0.7
DT 250	0.68	0.8	0.9	1.0	1.1	1.1
DT 320	0.83	1.0	1.2	1.3	1.3	1.4
DT 400	0.90	1.1	1.3	1.5	1.6	1.8
DT 450	1.30	1.6	2.0	2.2	2.4	2.7
DT 800	2.52	3.2	3.9	4.5	4.9	5.1
DT 1000	3.8	5.1	6.4	7.7	8.3	8.0
DT 2000	7.1	9.1	11.0	12.4	13.5	13.8
DT 3000	8.9	10.9	12.4	13.7	14.7	15.3
DT 3500	11.0	13.8	16.3	18.2	19.3	21.1
DT 4500	14.4	18.5	22.4	25.3	27.6	30.2
DT 5000	17.4	22.5	27.6	31.5	34.3	35.7
DT 6000	21.6	27.9	34.7	40.7	45.0	46.3
DT 8000	29.3	38.1	47.8	55.4	59.3	63.0
DT 13000	47.4	61.6	77.1	90.0	99.3	105.3
DT 19000	66.4	86.0	106.7	125.8	140.2	143.7
DT 27000	103.6	134.6	167.8	191.5	212.3	222.9

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# Dehumidifiers Performance Charts

## Dehumidification Capacity (kg/h)

### at 70% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.4	0.5	0.5	0.6	0.6	0.7
DT 210	0.42	0.5	0.6	0.6	0.7	0.7
DT 250	0.72	0.8	0.9	1.0	1.1	1.1
DT 320	0.88	1.1	1.3	1.3	1.3	1.5
DT 400	0.96	1.2	1.3	1.5	1.6	1.8
DT 450	1.38	1.7	2.0	2.3	2.4	2.7
DT 800	2.69	3.4	4.1	4.6	4.9	5.1
DT 1000	4.0	5.5	6.7	7.9	8.4	8.0
DT 2000	7.6	9.6	11.5	12.8	13.9	14.0
DT 3000	9.5	11.4	12.8	14.1	15.0	15.7
DT 3500	11.7	14.4	16.8	18.6	19.5	21.3
DT 4500	15.4	19.5	23.2	25.9	27.9	30.6
DT 5000	18.6	23.8	28.8	32.4	35.1	36.2
DT 6000	23.1	29.6	36.1	42.0	46.1	46.8
DT 8000	31.5	40.6	50.1	57.6	61.0	64.7
DT 13000	50.7	65.3	80.5	93.1	101.9	107.4
DT 19000	71.1	91.2	111.5	130.3	144.3	145.6
DT 27000	111.5	143.3	175.9	198.5	219.8	230.2

### at 75% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.42	0.5	0.6	0.6	0.6	0.7
DT 210	0.44	0.5	0.6	0.6	0.7	0.7
DT 250	0.74	0.9	1.0	1.0	1.1	1.1
DT 320	0.91	1.1	1.3	1.4	1.4	1.5
DT 400	1.00	1.2	1.4	1.5	1.7	1.9
DT 450	1.43	1.8	2.1	2.3	2.4	2.7
DT 800	2.80	3.6	4.2	4.7	5.0	5.1
DT 1000	4.2	5.8	7.0	8.2	8.5	8.0
DT 2000	7.6	10.1	11.9	13.1	14.2	14.1
DT 3000	9.8	11.8	13.2	14.4	15.4	16.0
DT 3500	12.1	15.0	17.3	19.0	19.7	21.6
DT 4500	16.0	20.3	24.0	26.4	28.2	30.9
DT 5000	19.4	25.0	30.0	33.3	35.7	36.6
DT 6000	24.0	31.1	37.7	43.4	47.1	47.1
DT 8000	32.9	42.9	52.6	59.8	62.5	66.2
DT 13000	52.9	68.8	84.2	96.1	104.1	109.2
DT 19000	74.1	96.1	116.7	134.9	148.0	147.1
DT 27000	116.6	151.4	184.7	205.3	226.5	236.9

### at 80% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.44	0.5	0.6	0.6	0.6	0.7
DT 210	0.46	0.5	0.6	0.6	0.7	0.7
DT 250	0.78	0.9	1.0	1.1	1.1	1.2
DT 320	0.95	1.2	1.4	1.4	1.4	1.6
DT 400	1.05	1.3	1.4	1.6	1.7	1.9
DT 450	1.51	1.9	2.2	2.4	2.5	2.8
DT 800	2.95	3.7	4.3	4.8	5.0	5.1
DT 1000	4.5	6.2	7.2	8.4	8.6	8.1
DT 2000	8.4	10.6	12.3	13.4	14.6	14.2
DT 3000	10.3	12.2	13.5	14.7	15.7	16.4
DT 3500	12.7	15.5	17.6	19.3	19.8	21.9
DT 4500	16.8	21.1	24.5	26.8	28.4	31.3
DT 5000	20.5	26.1	30.9	34.0	36.3	36.9
DT 6000	25.5	32.5	38.9	44.4	48.1	47.3
DT 8000	35.0	45.0	54.5	61.4	63.8	67.6
DT 13000	56.1	72.1	87.0	98.5	106.2	110.8
DT 19000	78.6	100.9	120.7	138.5	151.6	148.1
DT 27000	124.0	159.0	191.2	210.4	233.2	243.4

### at 85% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.46	0.5	0.6	0.6	0.6	0.7
DT 210	0.48	0.5	0.6	0.7	0.7	0.7
DT 250	0.81	0.9	1.0	1.1	1.1	1.2
DT 320	0.99	1.2	1.4	1.4	1.5	1.6
DT 400	1.09	1.3	1.4	1.6	1.7	2.0
DT 450	1.58	1.9	2.2	2.4	2.5	2.8
DT 800	3.10	3.9	4.4	4.8	5.1	5.1
DT 1000	4.8	6.5	7.5	8.6	8.7	8.2
DT 2000	8.9	11.0	12.6	13.7	14.9	14.3
DT 3000	10.7	12.5	13.8	15.1	16.1	16.8
DT 3500	13.3	15.9	17.9	19.6	20.0	22.2
DT 4500	17.7	21.8	24.9	27.1	28.6	31.7
DT 5000	21.7	27.1	31.7	34.6	36.8	37.1
DT 6000	26.8	33.9	40.0	45.4	48.9	47.4
DT 8000	36.9	47.0	56.3	63.1	64.8	68.9
DT 13000	59.1	75.3	89.5	100.7	107.9	112.3
DT 19000	82.9	105.4	124.4	142.2	154.7	149.0
DT 27000	131.0	166.0	197.0	215.1	238.7	249.8

### at 90% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.48	0.5	0.6	0.7	0.6	0.8
DT 210	0.49	0.5	0.6	0.7	0.7	0.6
DT 250	0.83	0.9	1.0	1.1	1.2	1.2
DT 320	1.02	1.3	1.4	1.4	1.5	1.7
DT 400	1.13	1.3	1.5	1.7	1.8	2.1
DT 450	1.65	2.0	2.3	2.4	2.5	2.9
DT 800	3.24	4.0	4.5	4.9	5.1	5.1
DT 1000	5.1	6.8	7.7	8.8	8.8	8.3
DT 2000	9.3	11.3	12.8	13.9	15.2	14.5
DT 3000	11.1	12.8	14.1	15.3	16.6	17.2
DT 3500	13.7	16.2	18.2	19.9	20.1	22.7
DT 4500	18.4	22.3	25.3	27.3	28.7	32.2
DT 5000	22.8	28.1	32.6	35.1	37.2	37.5
DT 6000	28.2	35.2	41.2	46.2	49.6	47.5
DT 8000	38.8	48.9	58.1	64.4	65.7	70.3
DT 13000	62.1	78.2	92.2	102.4	109.4	113.9
DT 19000	87.1	109.7	128.4	145.1	157.7	149.9
DT 27000	137.6	172.4	203.0	218.2	244.0	256.4

### at 95% RH

	5°C	10°C	15°C	20°C	25°C	30°C
DT 160	0.48	0.5	0.6	0.7	0.6	0.8
DT 210	0.50	0.5	0.6	0.7	0.7	0.6
DT 250	0.85	1.0	1.0	1.1	1.2	1.2
DT 320	1.04	1.3	1.4	1.4	1.6	1.8
DT 400	1.16	1.4	1.5	1.7	1.8	2.2
DT 450	1.69	2.0	2.3	2.4	2.5	3.0
DT 800	3.33	4.0	4.6	4.9	5.2	5.1
DT 1000	5.2	7.0	7.9	9.0	8.8	8.6
DT 2000	9.6	11.5	13.0	14.1	15.6	14.7
DT 3000	11.4	13.0	14.3	15.7	17.1	17.8
DT 3500	14.1	16.4	18.4	20.2	20.4	23.3
DT 4500	18.9	22.7	25.6	27.5	29.0	32.9
DT 5000	23.5	28.8	33.2	35.6	37.7	37.9
DT 6000	29.1	36.2	42.0	46.9	50.5	47.6
DT 8000	40.0	50.2	59.4	65.6	66.5	71.6
DT 13000	64.0	80.3	94.1	104.0	111.0	115.6
DT 19000	89.9	112.8	131.5	148.2	160.9	151.0
DT 27000	141.8	176.7	207.1	220.7	249.4	263.3

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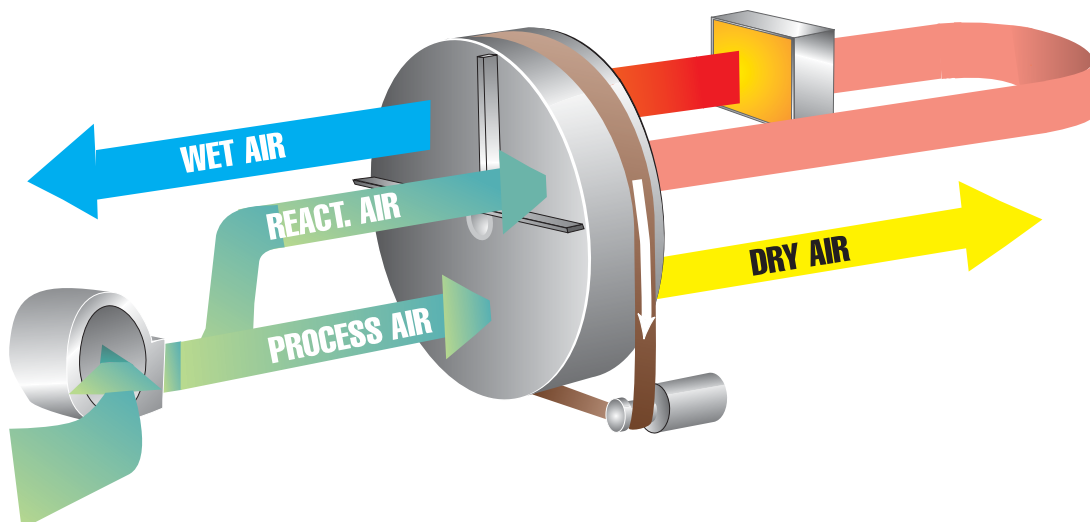


# DT 160 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 160 Dehumidifier Data Sheet

## Technical Data:

Working Temperature	-30°C to 40°C
Dry air flow (at 85Pa available external pressure)	160m <sup>3</sup> /h (44 LPS)
Wet air flow	40m <sup>3</sup> /h (11 LPS)
Power Supply (1 x 230V, 50Hz)	1.0kW
Weight	14kg
Max Noise level	57.5 dB(A)

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

Ready for connection to standard size duct, electrical power supply and external humidity sensor.

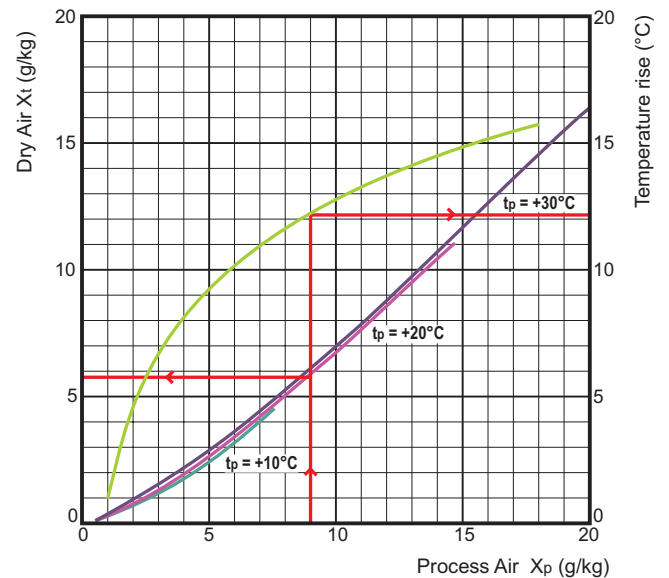
## Dehumidification Capacity (kg/h)

Process Air Temperature

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	0.05	0.1	0.1	0.1	0.2	0.2
15%RH	0.09	0.1	0.2	0.2	0.3	0.3
20%RH	0.12	0.2	0.2	0.3	0.3	0.4
25%RH	0.14	0.2	0.3	0.3	0.4	0.5
30%RH	0.18	0.3	0.3	0.4	0.4	0.5
35%RH	0.21	0.3	0.4	0.4	0.5	0.5
40%RH	0.24	0.3	0.4	0.5	0.5	0.6
45%RH	0.27	0.4	0.4	0.5	0.5	0.6
50%RH	0.3	0.4	0.5	0.5	0.6	0.6
55%RH	0.33	0.4	0.5	0.6	0.6	0.6
60%RH	0.35	0.4	0.5	0.6	0.6	0.7
65%RH	0.38	0.5	0.5	0.6	0.6	0.7
70%RH	0.4	0.5	0.5	0.6	0.6	0.7
75%RH	0.42	0.5	0.6	0.6	0.6	0.7
80%RH	0.44	0.5	0.6	0.6	0.6	0.7
85%RH	0.46	0.5	0.6	0.6	0.6	0.7
90%RH	0.48	0.5	0.6	0.7	0.6	0.8
95%RH	0.48	0.5	0.6	0.7	0.6	0.8
100%RH	0.5	0.6	0.6	0.7	0.7	0.8

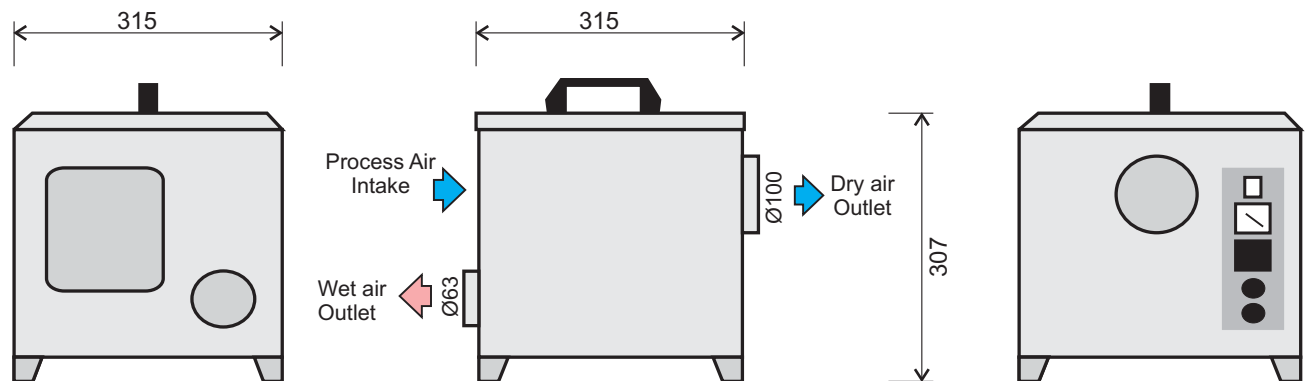
Note! Please consider to use a DT 210 when the absolute humidity in the process air is below 5 g/kg.

## Capacity Diagram



EXAMPLE (at 20°C & 60%RH) :  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 5.8$  g/kg,  $t_t = 20 + 12.2 = 32.2^\circ\text{C}$

## Dimensions (mm)



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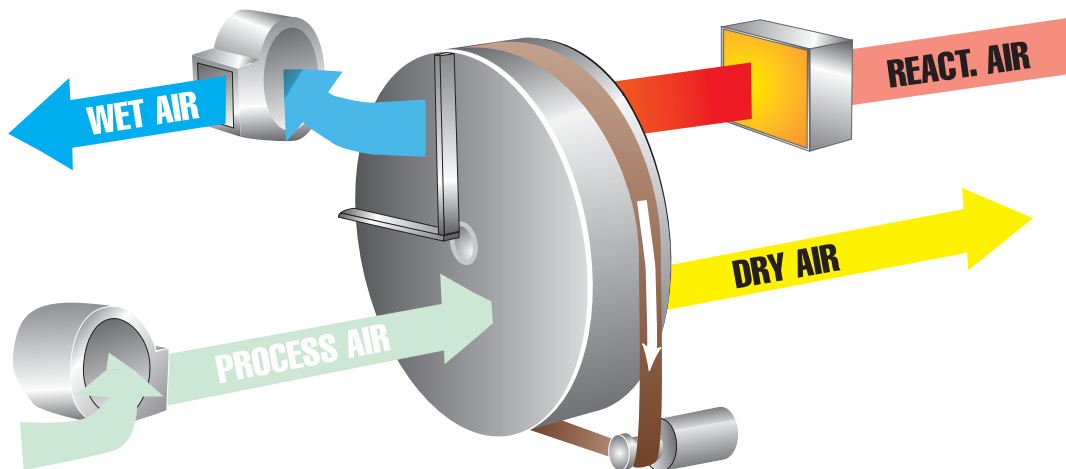


# DT 210 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 210 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (freeblowing)	<b>210m<sup>3</sup>/h (58 LPS)</b>
<b>Wet air flow</b> (freeblowing)	<b>40m<sup>3</sup>/h (11 LPS)</b>
<b>Power Supply</b> (1 x 230V, 50Hz)	<b>1.1kW</b>
<b>Weight</b>	<b>16.5kg</b>
<b>Max Noise level</b>	<b>53.3 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

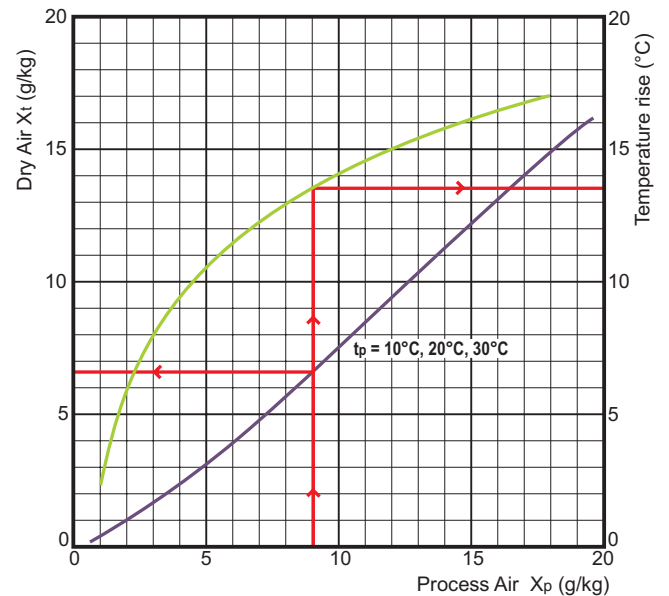
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

		Process Air Temperature					
		5°C	10°C	15°C	20°C	25°C	30°C
Process Air Relative Humidity	10%RH	0.08	0.1	0.1	0.2	0.2	0.3
	15%RH	0.12	0.2	0.2	0.3	0.3	0.4
	20%RH	0.16	0.2	0.3	0.3	0.4	0.4
	25%RH	0.18	0.2	0.3	0.4	0.4	0.5
	30%RH	0.22	0.3	0.4	0.4	0.5	0.6
	35%RH	0.25	0.3	0.4	0.5	0.5	0.6
	40%RH	0.27	0.3	0.4	0.5	0.6	0.6
	45%RH	0.30	0.4	0.5	0.5	0.6	0.6
	50%RH	0.33	0.4	0.5	0.6	0.6	0.7
	55%RH	0.36	0.4	0.5	0.6	0.6	0.7
	60%RH	0.38	0.5	0.5	0.6	0.6	0.7
	65%RH	0.40	0.5	0.5	0.6	0.6	0.7
	70%RH	0.42	0.5	0.6	0.6	0.7	0.7
	75%RH	0.44	0.5	0.6	0.6	0.7	0.7
80%RH	0.46	0.5	0.6	0.6	0.7	0.7	
85%RH	0.48	0.5	0.6	0.7	0.7	0.7	
90%RH	0.49	0.5	0.6	0.7	0.7	0.6	
95%RH	0.50	0.5	0.6	0.7	0.7	0.6	
100%RH	0.52	0.5	0.6	0.7	0.7	0.6	

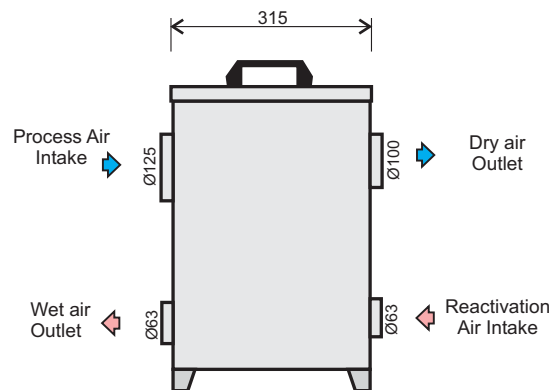
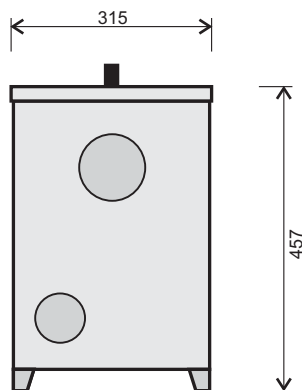
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram

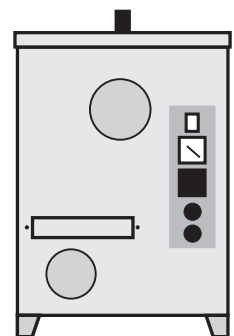


**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 6.6$  g/kg,  $t_t = 20 + 13.6 = 33.6^\circ\text{C}$

## Dimensions (mm)



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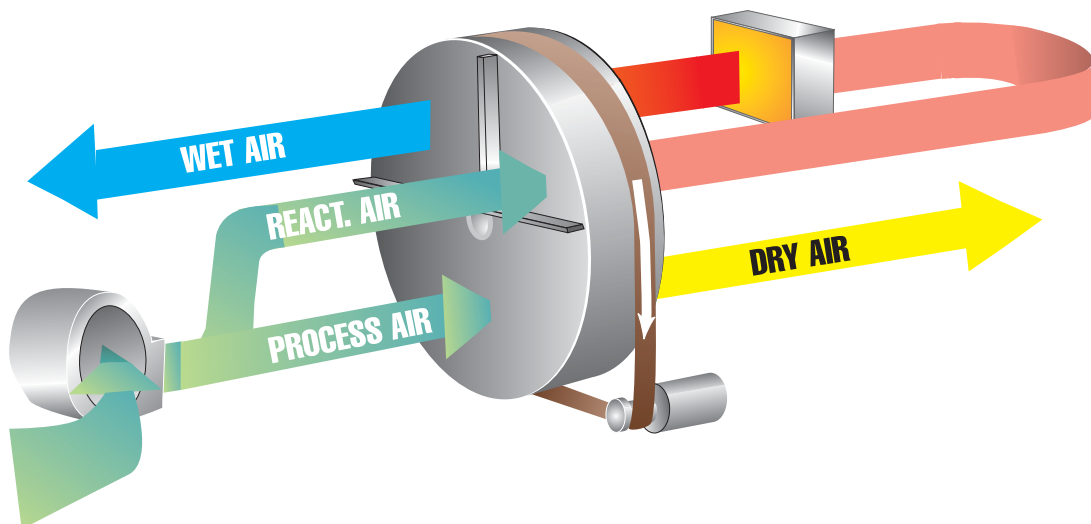


# DT 250 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 250 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (freeblowing)	<b>290m<sup>3</sup>/h (80 LPS)</b>
<b>Wet air flow</b>	<b>80m<sup>3</sup>/h (22 LPS)</b>
<b>Power Supply</b> (1 x 230V, 50Hz)	<b>1.4kW</b>
<b>Weight</b>	<b>18kg</b>
<b>Max Noise level</b>	<b>61 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

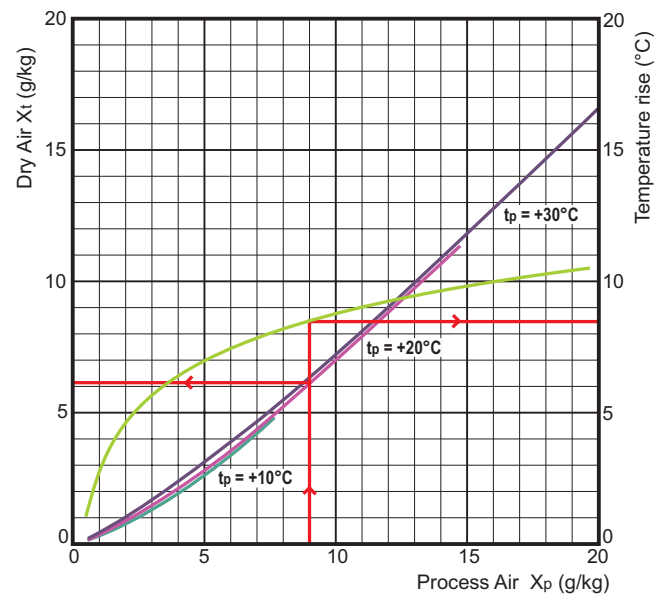
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	0.13	0.2	0.2	0.3	0.4	0.4
15%RH	0.19	0.2	0.3	0.4	0.5	0.6
20%RH	0.25	0.3	0.4	0.5	0.6	0.7
25%RH	0.29	0.4	0.5	0.6	0.7	0.8
30%RH	0.35	0.5	0.6	0.7	0.8	0.9
35%RH	0.41	0.5	0.7	0.8	0.9	0.9
40%RH	0.45	0.6	0.7	0.8	0.9	1.0
45%RH	0.50	0.6	0.8	0.9	1.0	1.0
50%RH	0.56	0.7	0.8	0.9	1.0	1.1
55%RH	0.60	0.7	0.9	1.0	1.0	1.1
60%RH	0.64	0.8	0.9	1.0	1.1	1.1
65%RH	0.68	0.8	0.9	1.0	1.1	1.1
70%RH	0.72	0.8	0.9	1.0	1.1	1.1
75%RH	0.74	0.9	1.0	1.0	1.1	1.1
80%RH	0.78	0.9	1.0	1.1	1.1	1.2
85%RH	0.81	0.9	1.0	1.1	1.1	1.2
90%RH	0.83	0.9	1.0	1.1	1.2	1.2
95%RH	0.85	1.0	1.0	1.1	1.2	1.2
100%RH	0.86	1.0	1.0	1.1	1.2	1.3

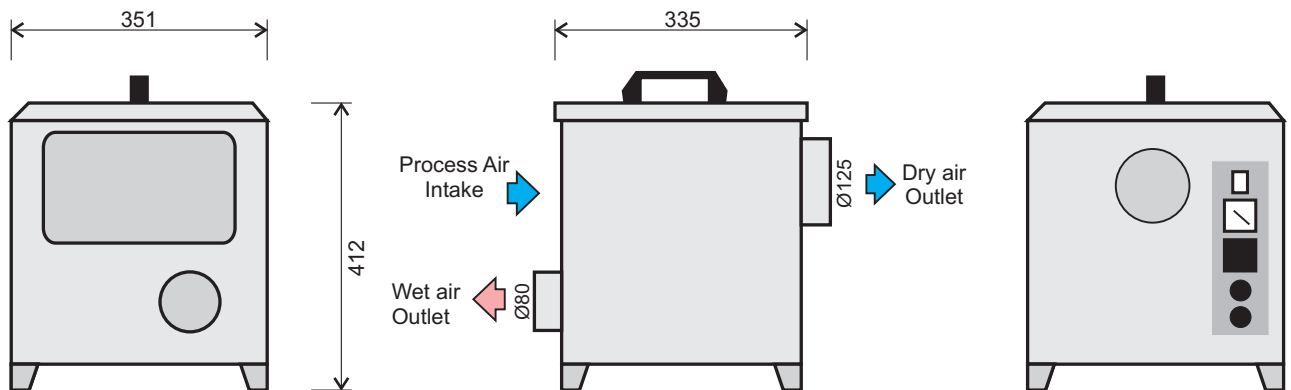
Note! Please consider to use a DT 400 when the absolute humidity in the process air is below 5 g/kg.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 6.1$  g/kg,  $t_t = 20 + 8.5 = 28.5^\circ\text{C}$

## Dimensions (mm)



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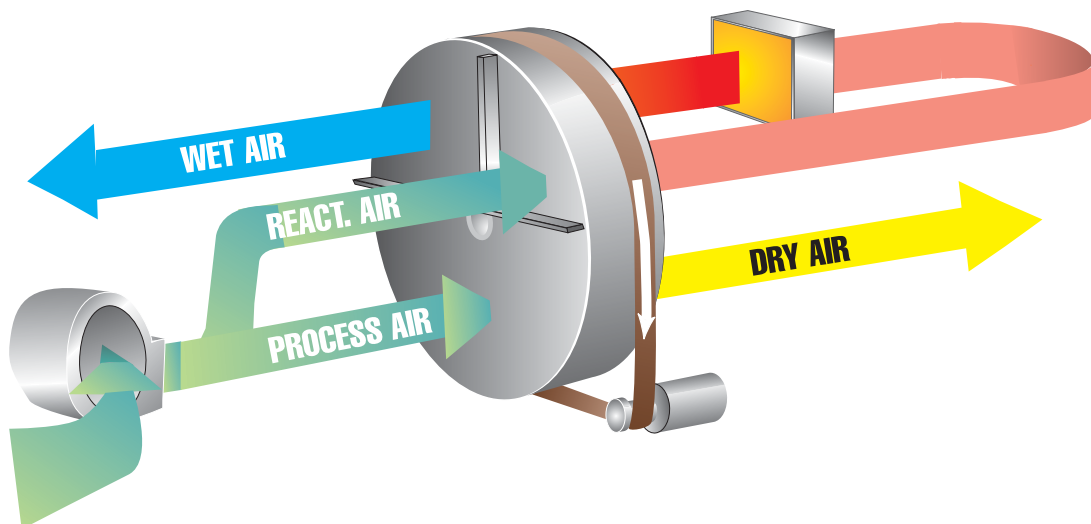


# DT 320 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 320 Dehumidifier Data Sheet

## Technical Data:

Working Temperature	-30°C to 40°C
Dry air flow (freeblowing)	340m <sup>3</sup> /h (94 LPS)
Wet air flow	80m <sup>3</sup> /h (22 LPS)
Power Supply (1 x 230V, 50Hz)	1.6kW
Weight	18kg
Max Noise level	64 dB(A)

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

Ready for connection to standard size duct, electrical power supply and external humidity sensor.

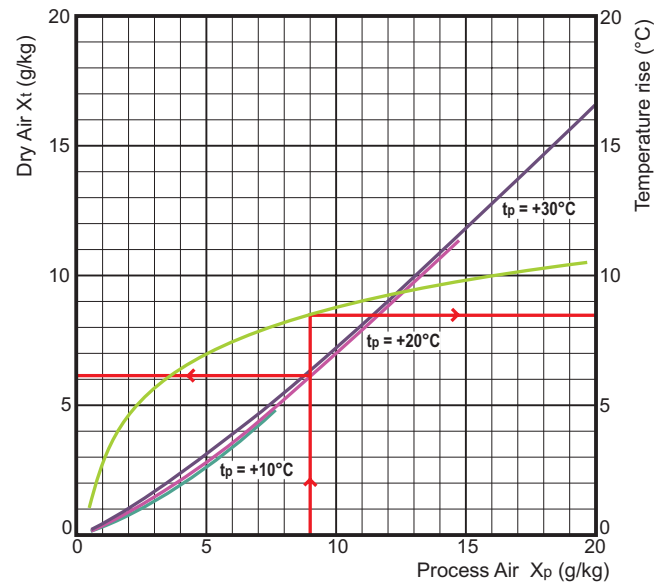
## Dehumidification Capacity (kg/h)

Process Air Temperature

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	0.15	0.2	0.3	0.3	0.4	0.5
15%RH	0.22	0.3	0.4	0.5	0.6	0.6
20%RH	0.3	0.4	0.5	0.6	0.7	0.8
25%RH	0.35	0.5	0.6	0.8	0.8	0.9
30%RH	0.42	0.6	0.7	0.9	0.9	1.0
35%RH	0.49	0.6	0.8	1.0	1.0	1.1
40%RH	0.54	0.7	0.9	1.1	1.1	1.2
45%RH	0.61	0.8	1.0	1.1	1.2	1.2
50%RH	0.67	0.9	1.0	1.2	1.2	1.3
55%RH	0.73	0.9	1.1	1.2	1.2	1.3
60%RH	0.77	1.0	1.2	1.3	1.3	1.4
65%RH	0.83	1.0	1.2	1.3	1.3	1.4
70%RH	0.88	1.1	1.3	1.3	1.3	1.5
75%RH	0.91	1.1	1.3	1.4	1.4	1.5
80%RH	0.95	1.2	1.4	1.4	1.4	1.6
85%RH	0.99	1.2	1.4	1.4	1.5	1.6
90%RH	1.02	1.3	1.4	1.4	1.5	1.7
95%RH	1.04	1.3	1.4	1.4	1.6	1.8
100%RH	1.06	1.3	1.4	1.4	1.6	1.9

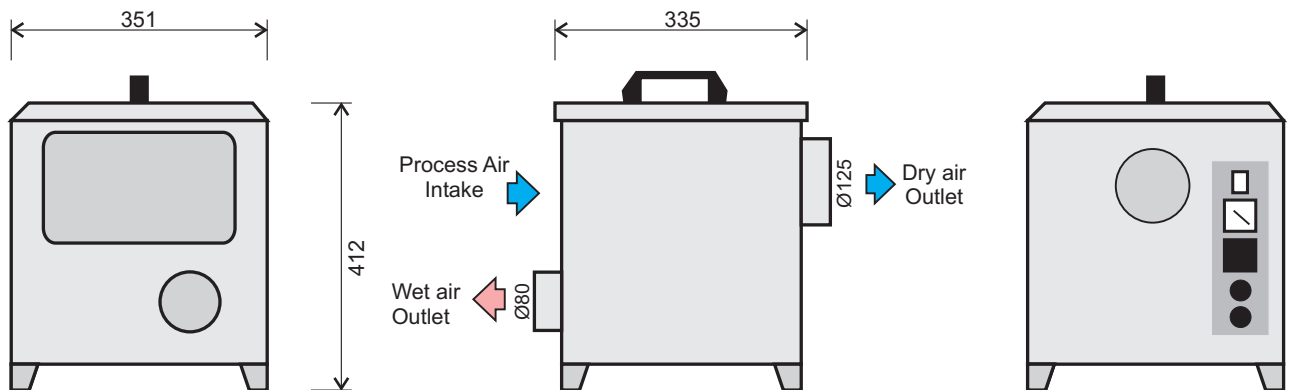
Note! Please consider to use a DT 400 when the absolute humidity in the process air is below 5 g/kg.

## Capacity Diagram



EXAMPLE (at 20°C & 60%RH) :  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 6$  g/kg,  $t_t = 20 + 8.5 = 28.5^\circ\text{C}$

## Dimensions (mm)



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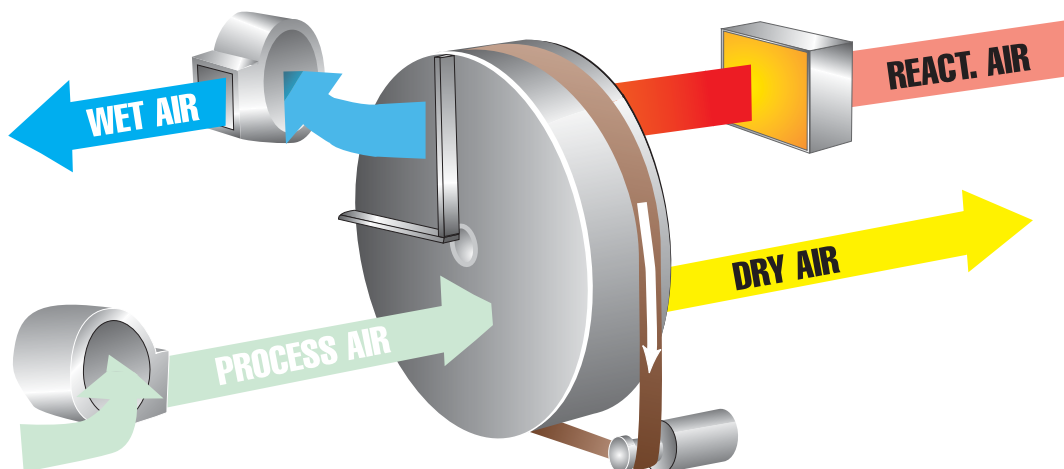


# DT 400 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 400 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (freeblowing)	<b>400m<sup>3</sup>/h (111 LPS)</b>
<b>Wet air flow</b> (freeblowing)	<b>120m<sup>3</sup>/h (33 LPS)</b>
<b>Power Supply</b> (1 x 230V, 50Hz)	<b>2.3kW</b>
<b>Weight</b>	<b>23kg</b>
<b>Max Noise level</b>	<b>62.2 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

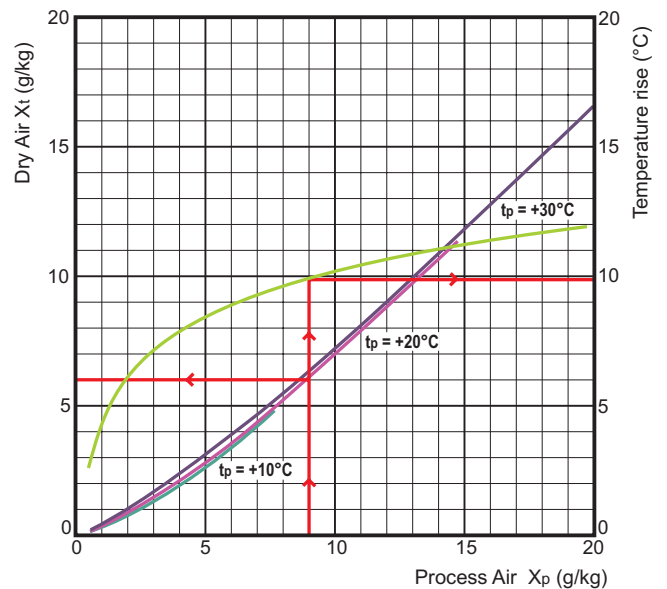
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

		Process Air Temperature					
		5°C	10°C	15°C	20°C	25°C	30°C
Process Air Relative Humidity	10%RH	0.16	0.2	0.3	0.4	0.7	0.6
	15%RH	0.25	0.3	0.5	0.6	0.7	0.8
	20%RH	0.33	0.4	0.6	0.7	0.8	0.9
	25%RH	0.39	0.5	0.7	0.8	1.0	1.1
	30%RH	0.47	0.6	0.8	1.0	1.1	1.2
	35%RH	0.55	0.7	0.9	1.1	1.2	1.3
	40%RH	0.60	0.8	1.0	1.2	1.3	1.4
	45%RH	0.67	0.9	1.0	1.2	1.4	1.5
	50%RH	0.74	0.9	1.1	1.3	1.4	1.6
	55%RH	0.80	1.0	1.2	1.4	1.5	1.7
	60%RH	0.85	1.1	1.2	1.4	1.5	1.7
	65%RH	0.90	1.1	1.3	1.5	1.6	1.8
	70%RH	0.96	1.2	1.3	1.5	1.6	1.8
	75%RH	1.00	1.2	1.4	1.5	1.7	1.9
	80%RH	1.05	1.3	1.4	1.6	1.7	1.9
	85%RH	1.09	1.3	1.4	1.6	1.7	2.0
90%RH	1.13	1.3	1.5	1.7	1.8	2.1	
95%RH	1.16	1.4	1.5	1.7	1.8	2.2	
100%RH	1.19	1.4	1.5	1.7	1.9	2.3	

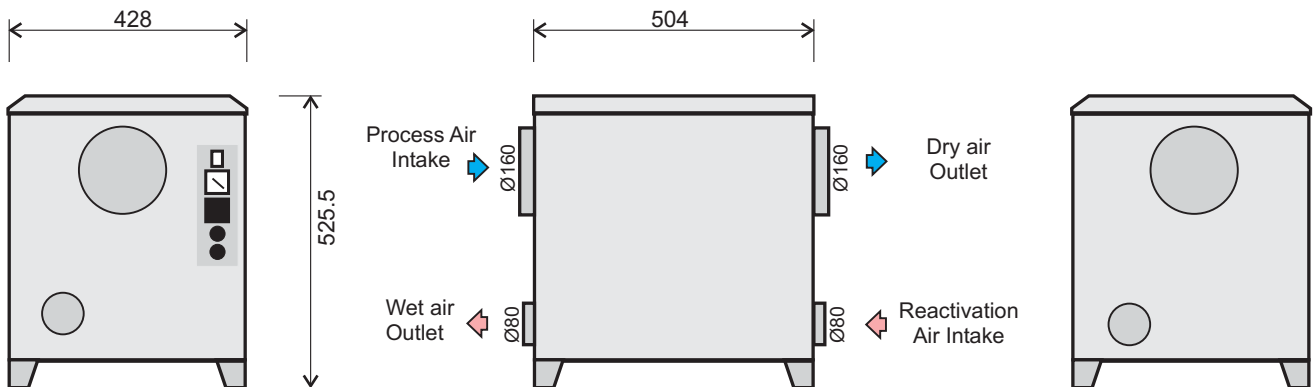
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air: Xp = 8.7 g/kg, tp = +20°C giving  
 Dry air: Xt = 6 g/kg, tt = 20 + 9.9 = 29.9°C

## Dimensions (mm)



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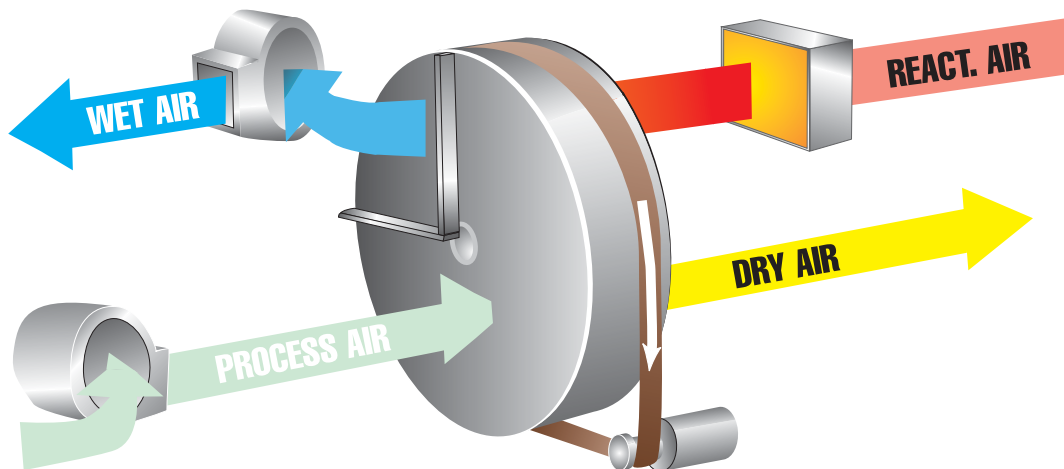


# DT 450 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 450 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (freeblowing)	<b>450m<sup>3</sup>/h (125 LPS)</b>
<b>Wet air flow</b> (freeblowing)	<b>120m<sup>3</sup>/h (33 LPS)</b>
<b>Power Supply</b> (1 x 230V, 50Hz)	<b>3.5kW</b>
<b>Weight</b>	<b>24kg</b>
<b>Max Noise level</b>	<b>63 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

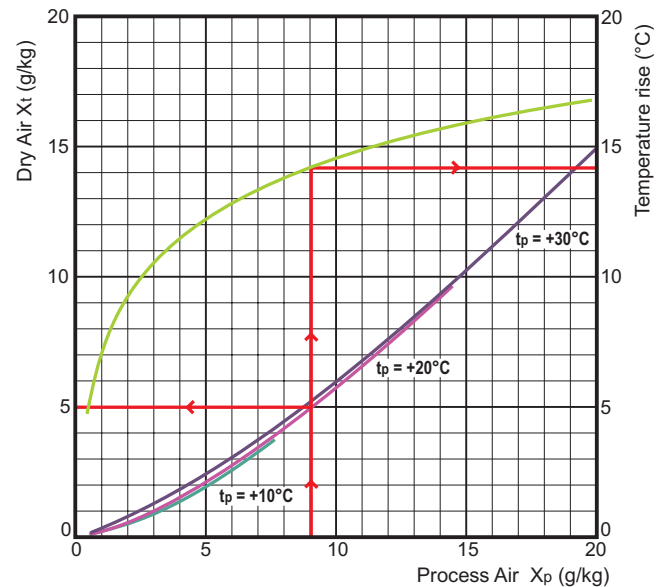
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

		Process Air Temperature					
		5°C	10°C	15°C	20°C	25°C	30°C
Process Air Relative Humidity	10%RH	0.23	0.4	0.4	0.6	0.7	0.9
	15%RH	0.36	0.5	0.7	0.8	1.0	1.2
	20%RH	0.48	0.6	0.8	1.1	1.3	1.5
	25%RH	0.56	0.8	1.0	1.3	1.5	1.7
	30%RH	0.67	0.9	1.2	1.4	1.7	1.9
	35%RH	0.78	1.0	1.3	1.6	1.9	2.1
	40%RH	0.85	1.1	1.5	1.7	2.0	2.2
	45%RH	0.96	1.3	1.6	1.9	2.1	2.4
	50%RH	1.05	1.4	1.7	2.0	2.2	2.5
	55%RH	1.15	1.5	1.8	2.1	2.3	2.5
	60%RH	1.21	1.6	1.9	2.1	2.3	2.6
	65%RH	1.30	1.6	2.0	2.2	2.4	2.7
	70%RH	1.38	1.7	2.0	2.3	2.4	2.7
	75%RH	1.43	1.8	2.1	2.3	2.4	2.7
80%RH	1.51	1.9	2.2	2.4	2.5	2.8	
85%RH	1.58	1.9	2.2	2.4	2.5	2.8	
90%RH	1.65	2.0	2.3	2.4	2.5	2.9	
95%RH	1.69	2.0	2.3	2.4	2.5	3.0	
100%RH	1.76	2.1	2.3	2.5	2.5	3.1	

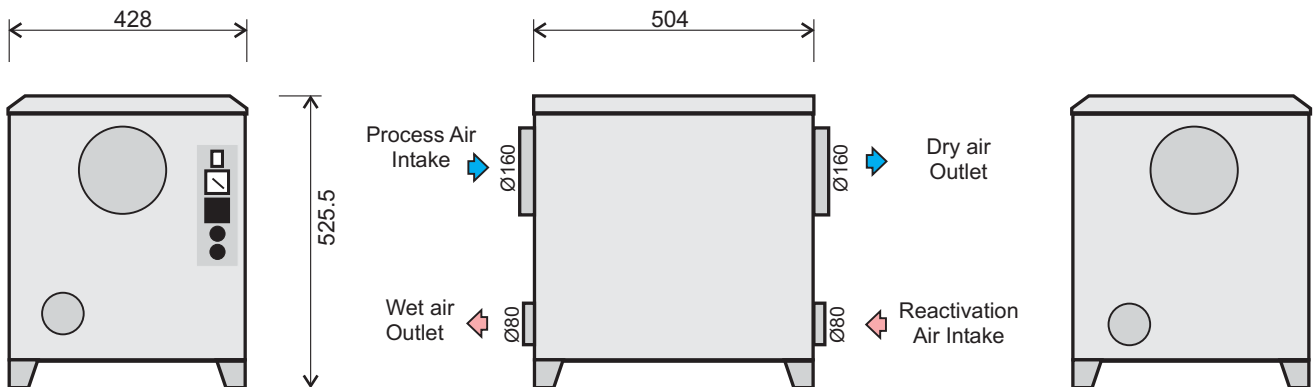
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air: Xp = 8.7 g/kg, tp = +20°C giving  
 Dry air: Xt = 5 g/kg, tt = 20 + 14.2 = 34.2°C

## Dimensions (mm)



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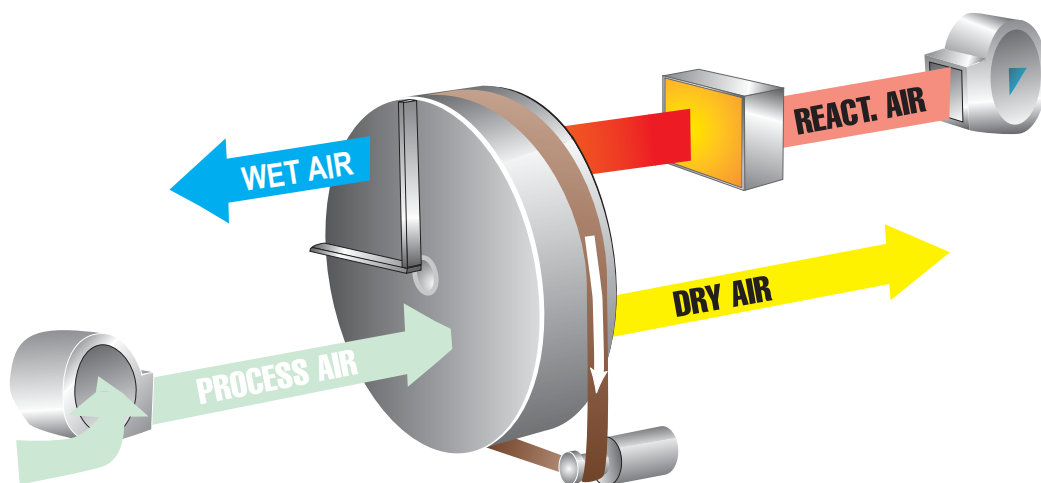


# DT 800 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 800 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (at 150Pa available external pressure)	<b>800m<sup>3</sup>/h (222 LPS)</b>
<b>Wet air flow</b> (at 175Pa available external pressure)	<b>250m<sup>3</sup>/h (69 LPS)</b>
<b>Power Supply</b> (3 x 400V, 50Hz)	<b>7kW</b>
<b>Weight</b>	<b>80kg</b>
<b>Max Noise level</b>	<b>60 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

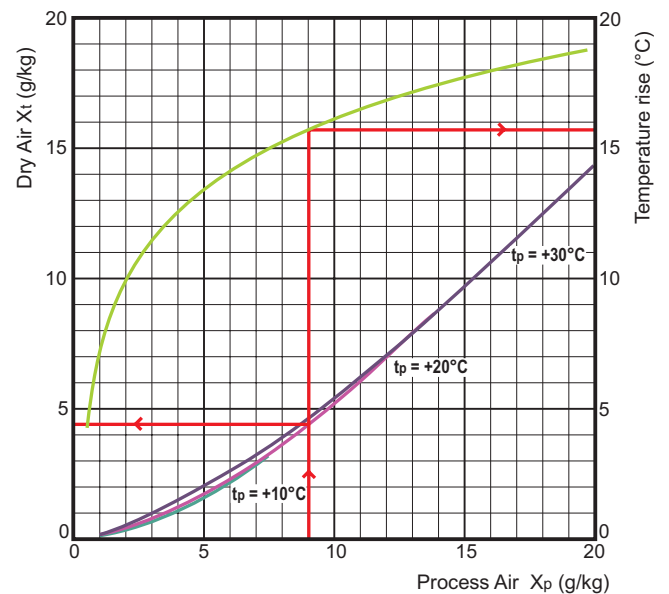
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	0.44	0.7	0.8	1.1	1.5	1.7
15%RH	0.68	0.9	1.3	1.7	2.0	2.4
20%RH	0.91	1.2	1.6	2.1	2.5	3.0
25%RH	1.06	1.5	2.0	2.5	3.0	3.4
30%RH	1.29	1.8	2.3	2.8	3.4	3.8
35%RH	1.50	2.0	2.6	3.2	3.7	4.2
40%RH	1.64	2.2	2.9	3.5	4.0	4.5
45%RH	1.84	2.5	3.1	3.7	4.3	4.7
50%RH	2.04	2.7	3.4	4.0	4.5	4.8
55%RH	2.23	2.9	3.6	4.2	4.6	5.0
60%RH	2.35	3.1	3.7	4.3	4.8	5.0
65%RH	2.52	3.2	3.9	4.5	4.9	5.1
70%RH	2.69	3.4	4.1	4.6	4.9	5.1
75%RH	2.80	3.6	4.2	4.7	5.0	5.1
80%RH	2.95	3.7	4.3	4.8	5.0	5.1
85%RH	3.10	3.9	4.4	4.8	5.1	5.1
90%RH	3.24	4.0	4.5	4.9	5.1	5.1
95%RH	3.33	4.0	4.6	4.9	5.2	5.1
100%RH	3.46	4.1	4.6	5.0	5.2	5.1

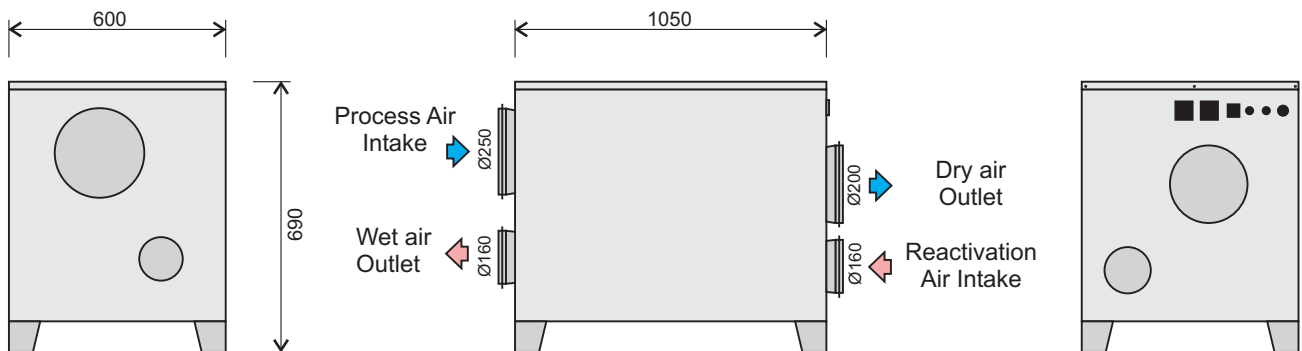
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 4.2$  g/kg,  $t_t = 20 + 15.7 = 35.7^\circ\text{C}$

## Dimensions (mm)



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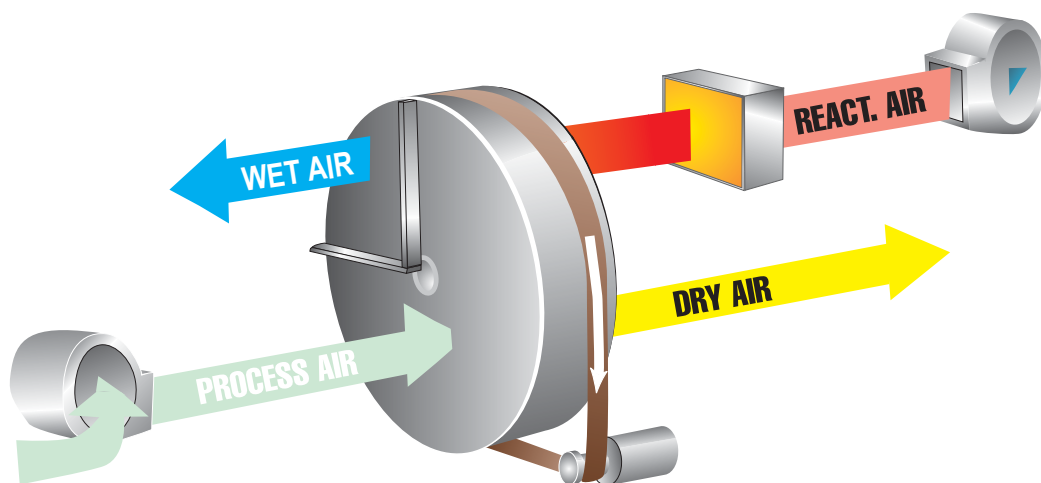


# DT 1000 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 1000 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (at 200Pa available external pressure)	<b>1000m<sup>3</sup>/h (278 LPS)</b>
<b>Wet air flow</b> (at 280Pa available external pressure)	<b>400m<sup>3</sup>/h (111 LPS)</b>
<b>Power Supply</b> (3 x 400V, 50Hz)	<b>12.5kW</b>
<b>Weight</b>	<b>177kg</b>
<b>Max Noise level</b>	<b>70 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

Ready for connection to standard size duct, electrical power supply and external humidity sensor.

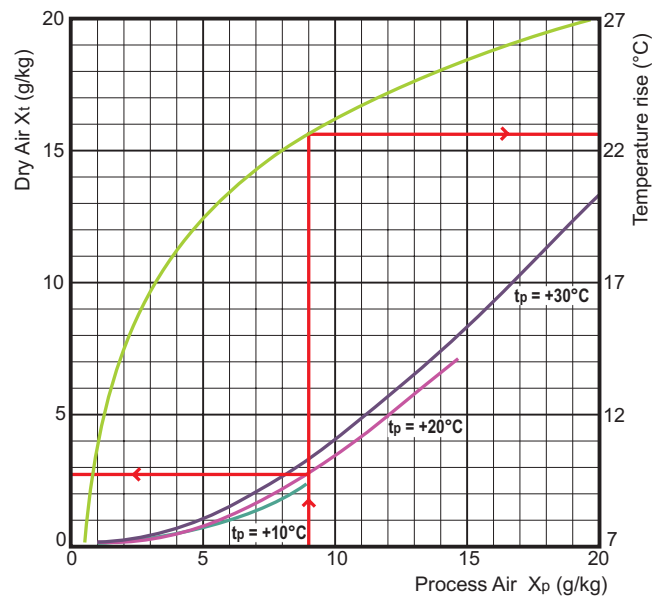
## Dehumidification Capacity (kg/h)

Process Air Temperature

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	0.6	0.9	1.1	1.6	2.2	2.8
15%RH	0.9	1.3	1.8	2.5	3.1	4.0
20%RH	1.3	1.7	2.4	3.2	4.1	5.0
25%RH	1.5	2.1	2.9	3.9	4.9	5.8
30%RH	1.8	2.6	3.5	4.5	5.6	6.5
35%RH	2.1	3.0	4.0	5.1	6.2	7.0
40%RH	2.3	3.3	4.4	5.7	6.7	7.4
45%RH	2.7	3.7	4.8	6.1	7.1	7.7
50%RH	3.0	4.1	5.3	6.6	7.5	7.8
55%RH	3.3	4.5	5.7	7.0	7.8	7.9
60%RH	3.5	4.9	6.0	7.3	8.1	8.0
65%RH	3.8	5.1	6.4	7.7	8.3	8.0
70%RH	4.0	5.5	6.7	7.9	8.4	8.0
75%RH	4.2	5.8	7.0	8.2	8.5	8.0
80%RH	4.5	6.2	7.2	8.4	8.6	8.1
85%RH	4.8	6.5	7.5	8.6	8.7	8.2
90%RH	5.1	6.8	7.7	8.8	8.8	8.3
95%RH	5.2	7.0	7.9	9.0	8.8	8.6
100%RH	5.5	7.3	8.1	9.1	8.9	9.0

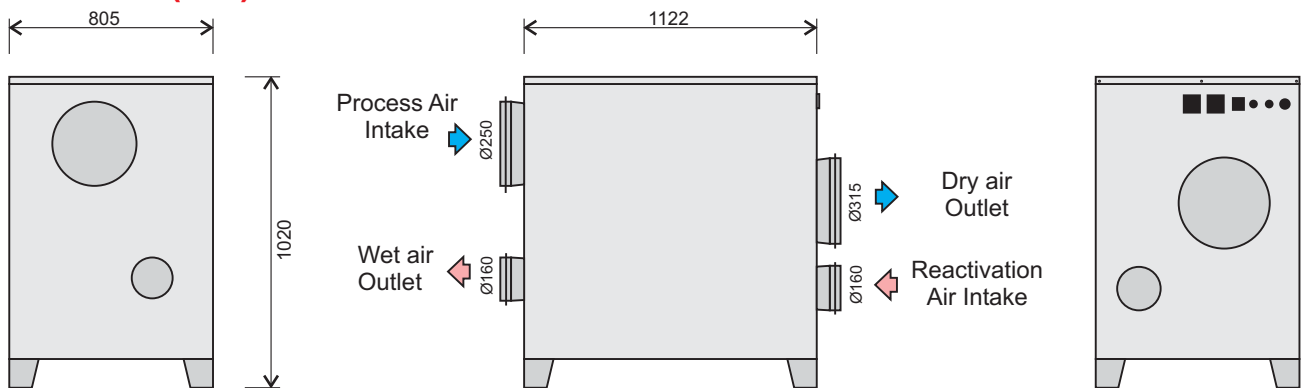
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 2.8$  g/kg,  $t_t = 20 + 22.6 = 42.6^\circ\text{C}$

## Dimensions (mm)



Made in Sweden

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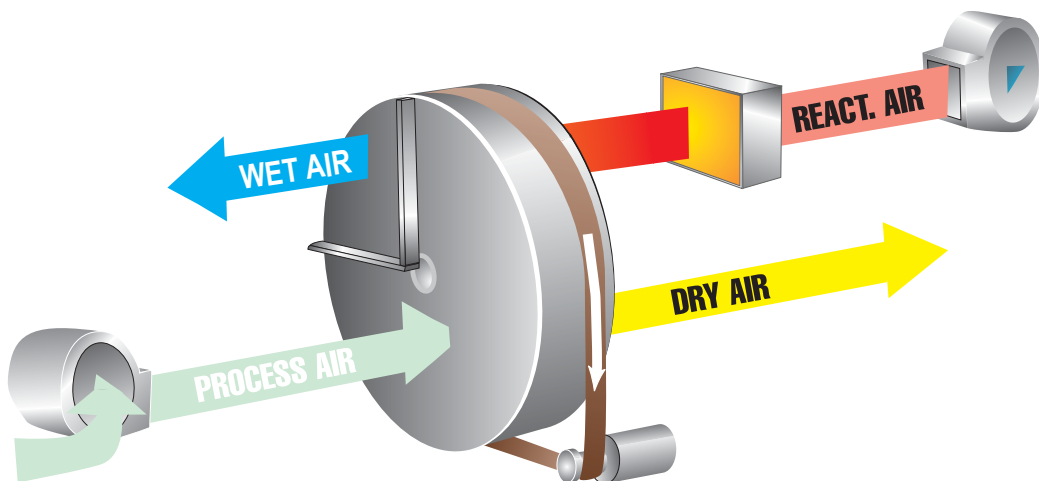


# DT 2000 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



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# DehuTech 2000 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (at 260Pa available external pressure)	<b>2000m<sup>3</sup>/h (555 LPS)</b>
<b>Wet air flow</b> (at 150Pa available external pressure)	<b>500m<sup>3</sup>/h (139 LPS)</b>
<b>Power Supply</b> (3 x 400V, 50Hz)	<b>20kW</b>
<b>Weight</b>	<b>180kg</b>
<b>Max Noise level</b>	<b>71 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

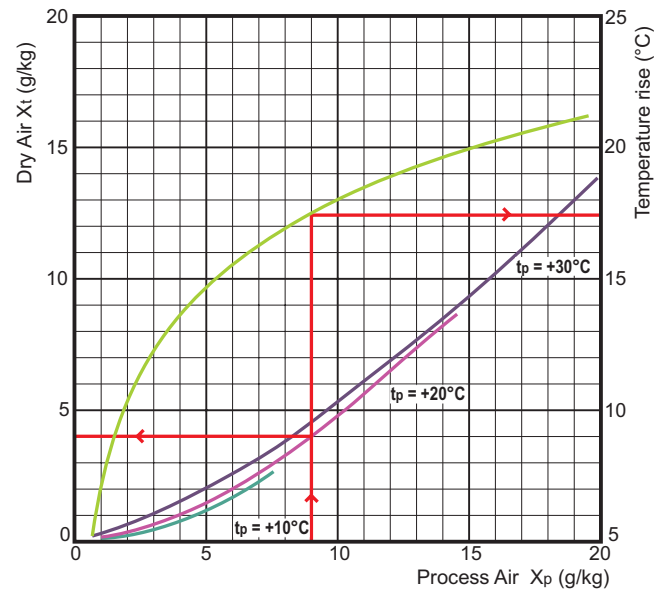
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	1.1	1.7	2.1	2.8	3.6	4.2
15%RH	1.8	2.4	3.3	4.3	5.1	5.9
20%RH	2.4	3.2	4.3	5.5	6.6	7.5
25%RH	2.9	4.0	5.3	6.6	7.9	8.8
30%RH	3.5	4.8	6.3	7.6	9.0	9.9
35%RH	4.1	5.6	7.1	8.7	10.0	10.9
40%RH	4.5	6.1	7.9	9.5	10.8	11.6
45%RH	5.1	6.8	8.6	10.2	11.5	12.3
50%RH	5.7	7.5	9.3	10.9	12.2	12.8
55%RH	6.2	8.1	9.9	11.4	12.7	13.2
60%RH	6.6	8.7	10.5	11.9	13.1	13.5
65%RH	7.1	9.1	11.0	12.4	13.5	13.8
70%RH	7.6	9.6	11.5	12.8	13.9	14.0
75%RH	7.6	10.1	11.9	13.1	14.2	14.1
80%RH	8.4	10.6	12.3	13.4	14.6	14.2
85%RH	8.9	11.0	12.6	13.7	14.9	14.3
90%RH	9.3	11.3	12.8	13.9	15.2	14.5
95%RH	9.6	11.5	13.0	14.1	15.6	14.7
100%RH	9.9	11.8	13.2	14.2	16.0	14.9

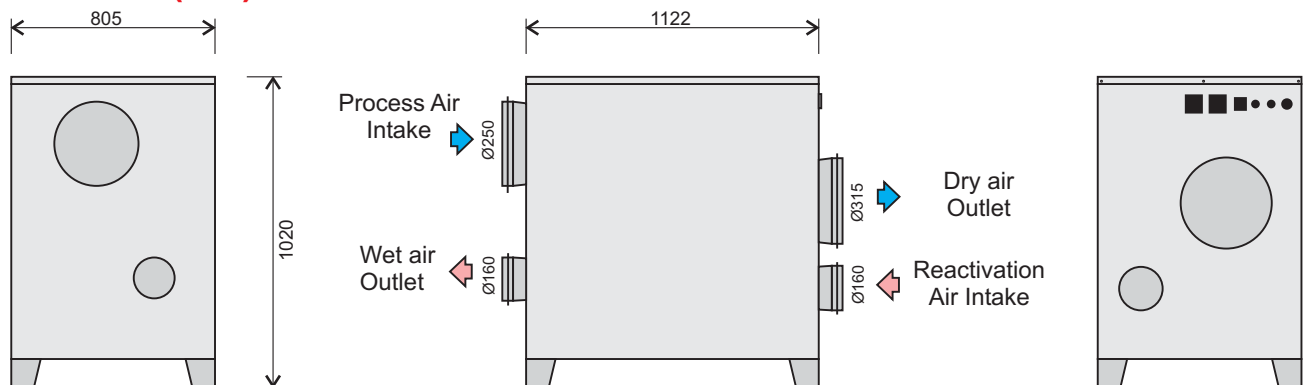
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air: Xp = 8.7 g/kg, tp = + 20°C giving  
 Dry air: Xt = 4 g/kg, tt = 20 + 17.4 = 37.4°C

## Dimensions (mm)



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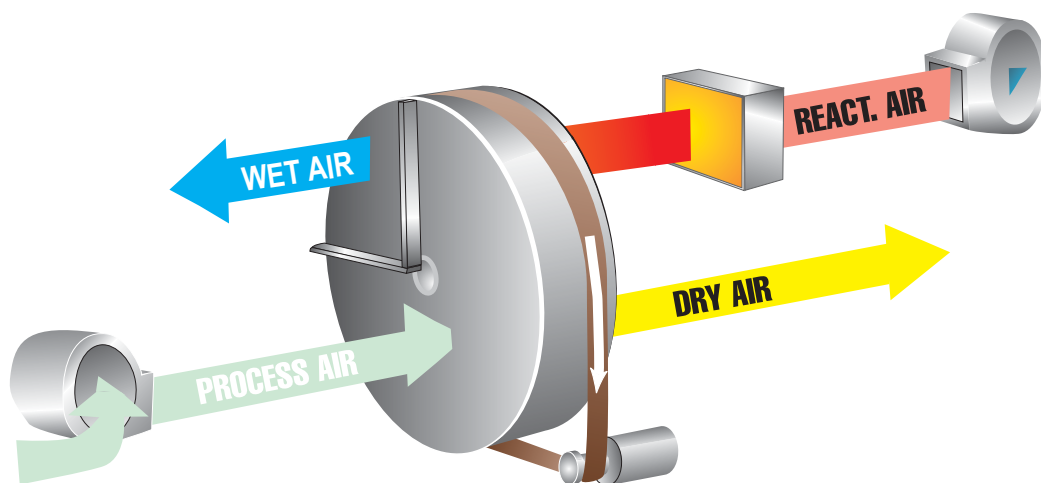


# DT 3000 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



Made in Sweden

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# DehuTech 3000 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (at 260Pa available external pressure)	<b>3000m<sup>3</sup>/h (833 LPS)</b>
<b>Wet air flow</b> (at 150Pa available external pressure)	<b>550m<sup>3</sup>/h (152 LPS)</b>
<b>Power Supply</b> (3 x 400V, 50Hz)	<b>22kW</b>
<b>Weight</b>	<b>185kg</b>
<b>Max Noise level</b>	<b>70.4 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

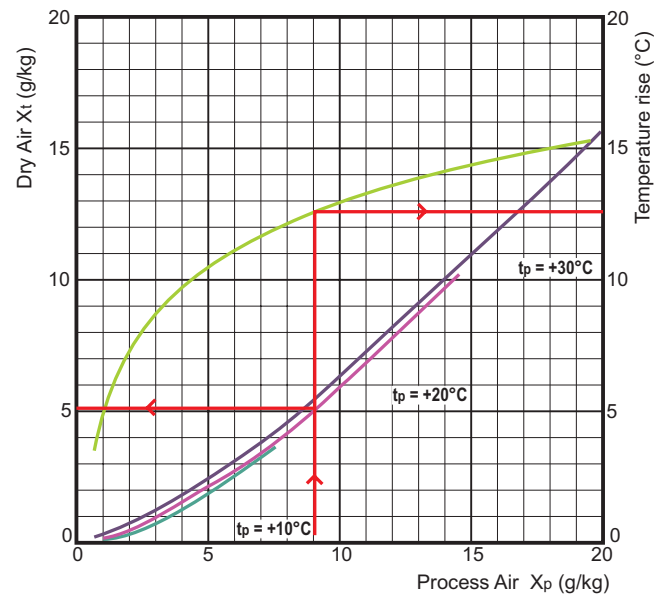
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

		Process Air Temperature					
		5°C	10°C	15°C	20°C	25°C	30°C
Process Air Relative Humidity	10%RH	1.5	2.3	2.7	3.5	4.3	4.7
	15%RH	2.4	3.1	4.3	5.2	5.9	6.5
	20%RH	3.2	4.1	5.5	6.6	7.5	8.2
	25%RH	3.8	5.2	6.5	7.9	8.9	9.6
	30%RH	4.6	6.2	7.7	9.0	10.1	10.7
	35%RH	5.4	7.1	8.6	10.0	11.1	11.8
	40%RH	5.9	7.7	9.4	10.9	11.9	12.6
	45%RH	6.6	8.5	10.1	11.6	12.7	13.4
	50%RH	7.3	9.2	10.9	12.3	13.3	14.0
	55%RH	7.9	9.9	11.4	12.8	13.8	14.5
	60%RH	8.3	10.5	11.9	13.3	14.3	14.9
	65%RH	8.9	10.9	12.4	13.7	14.7	15.3
	70%RH	9.5	11.4	12.8	14.1	15.0	15.7
	75%RH	9.8	11.8	13.2	14.4	15.4	16.0
	80%RH	10.3	12.2	13.5	14.7	15.7	16.4
	85%RH	10.7	12.5	13.8	15.1	16.1	16.8
90%RH	11.1	12.8	14.1	15.3	16.6	17.2	
95%RH	11.4	13.0	14.3	15.7	17.1	17.8	
100%RH	11.7	13.2	14.5	16.1	17.7	18.4	

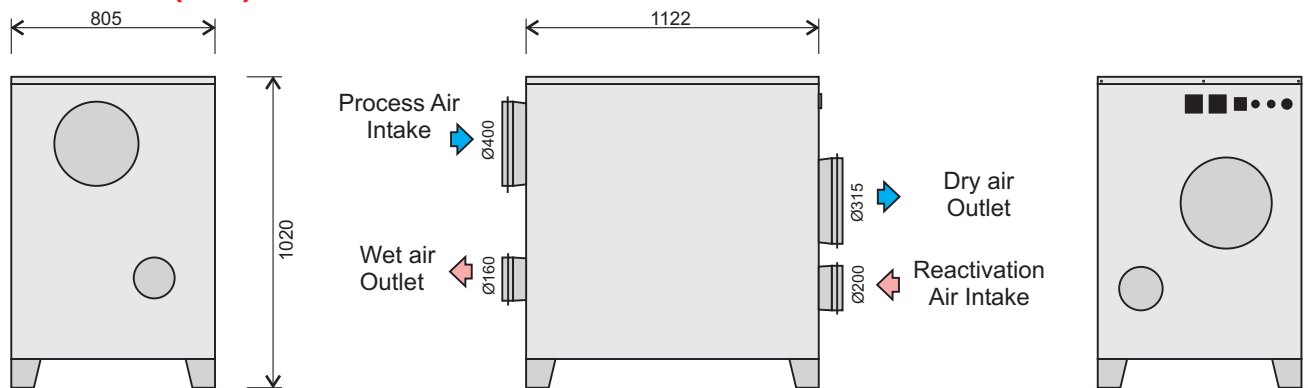
Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 5.2$  g/kg,  $t_t = 20 + 12.6 = 32.6^\circ\text{C}$

## Dimensions (mm)



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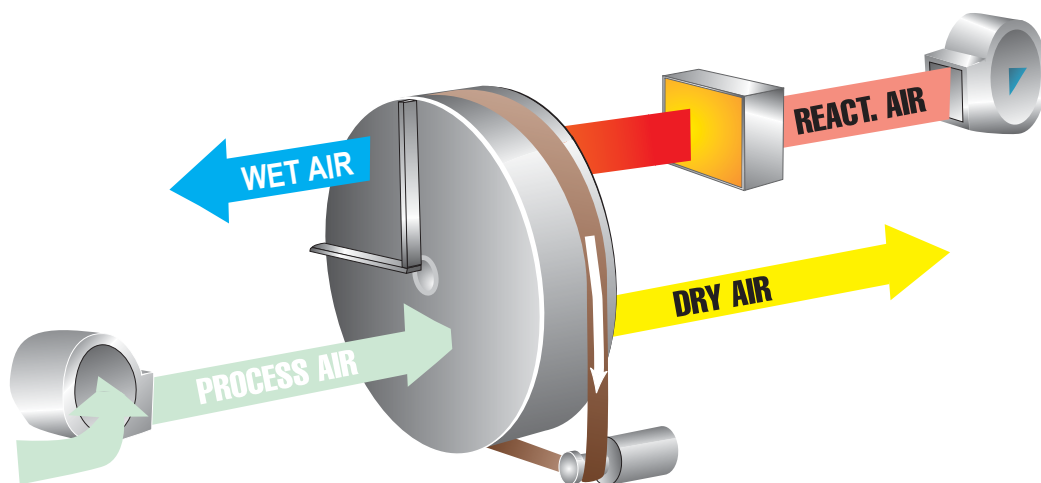


# DT 3500 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



Made in Sweden

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# DehuTech 3500 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (at 200Pa available external pressure)	<b>3500m<sup>3</sup>/h (972 LPS)</b>
<b>Wet air flow</b> (at 270Pa available external pressure)	<b>900m<sup>3</sup>/h (250 LPS)</b>
<b>Power Supply</b> (3 x 400V, 50Hz)	<b>27kW</b>
<b>Weight</b>	<b>350kg</b>
<b>Max Noise level</b>	<b>71 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

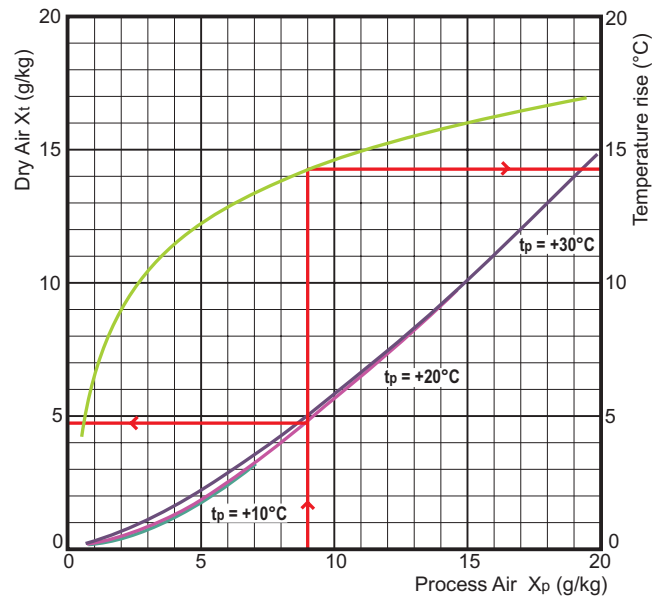
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

Process Air Relative Humidity	Process Air Temperature					
	5°C	10°C	15°C	20°C	25°C	30°C
10%RH	2.0	3.0	3.6	4.8	6.3	7.2
15%RH	3.0	4.0	5.6	7.2	8.6	9.9
20%RH	4.1	5.4	7.2	9.1	10.8	12.4
25%RH	4.7	6.6	8.6	10.7	12.7	14.3
30%RH	5.7	7.8	10.1	12.2	14.3	15.9
35%RH	6.6	8.9	11.2	13.6	15.6	17.3
40%RH	7.2	9.7	12.3	14.7	16.6	18.4
45%RH	8.1	10.7	13.2	15.6	17.5	19.2
50%RH	9.0	11.6	14.2	16.5	18.2	19.9
55%RH	9.8	12.5	15.0	17.2	18.7	20.4
60%RH	10.3	13.2	15.6	17.7	19.1	20.8
65%RH	11.0	13.8	16.3	18.2	19.3	21.1
70%RH	11.7	14.4	16.8	18.6	19.5	21.3
75%RH	12.1	15.0	17.3	19.0	19.7	21.6
80%RH	12.7	15.5	17.6	19.3	19.8	21.9
85%RH	13.3	15.9	17.9	19.6	20.0	22.2
90%RH	13.7	16.2	18.2	19.9	20.1	22.7
95%RH	14.1	16.4	18.4	20.2	20.4	23.3
100%RH	14.5	16.6	18.5	20.5	20.8	24.2

Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

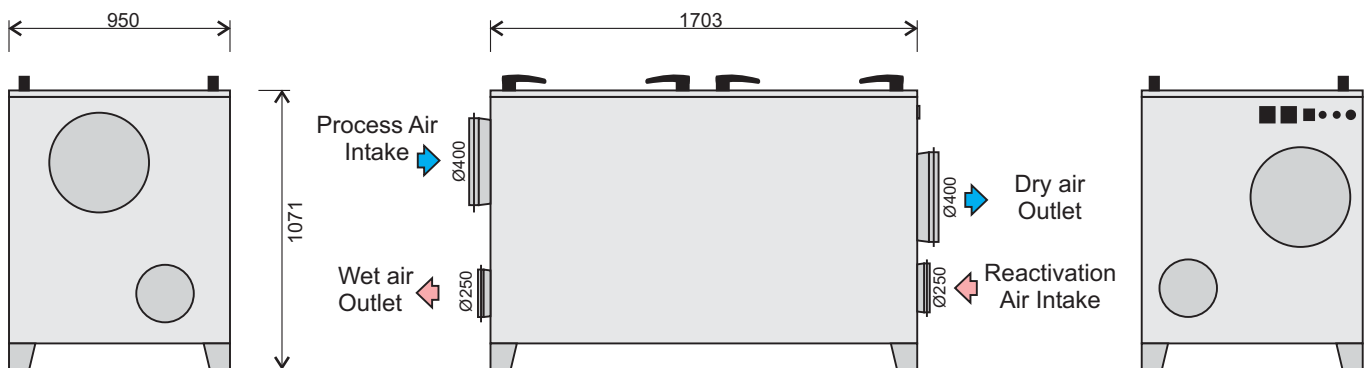
## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 4.7$  g/kg,  $t_t = 20 + 14.13 = 34.3^\circ\text{C}$

## Dimensions (mm)

Made in Sweden



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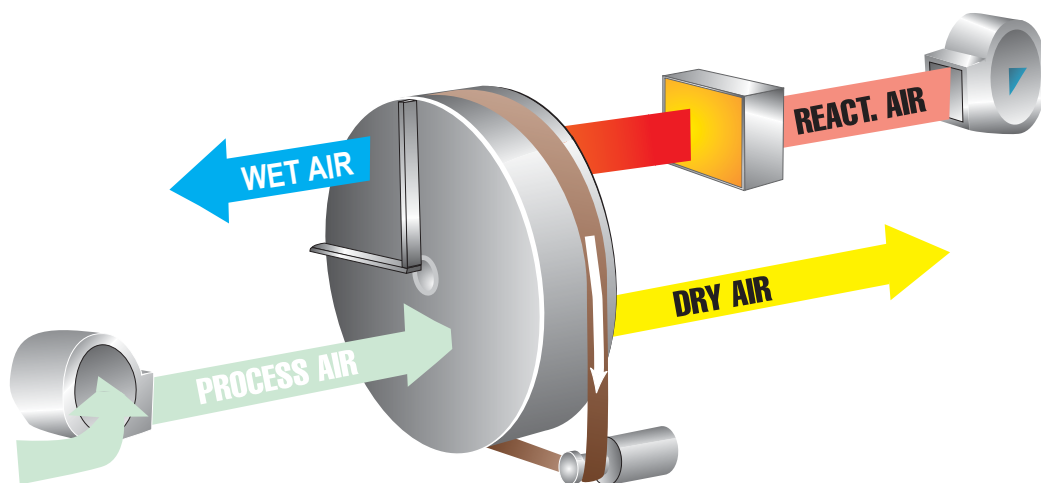


# DT 4500 Dehumidifier



Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

The unit is ready for connection to standard size duct works, electrical power supply and external humidity sensor.



**Made in Sweden**

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# DehuTech 4500 Dehumidifier Data Sheet

## Technical Data:

<b>Working Temperature</b>	<b>-30°C to 40°C</b>
<b>Dry air flow</b> (at 260Pa available external pressure)	<b>4500m<sup>3</sup>/h (1250 LPS)</b>
<b>Wet air flow</b> (at 170Pa available external pressure)	<b>1500m<sup>3</sup>/h (416 LPS)</b>
<b>Power Supply</b> (3 x 400V, 50Hz)	<b>40.8kW</b>
<b>Weight</b>	<b>410kg</b>
<b>Max Noise level</b>	<b>72 dB(A)</b>

## Notes:

Desiccant dehumidifier for drying of air at all conditions but especially suitable for low temperature and low humidity operation. Complete self-contained unit including desiccant rotor, fan, filter thermistor-type reactivation heater, and controls. Stainless steel casing.

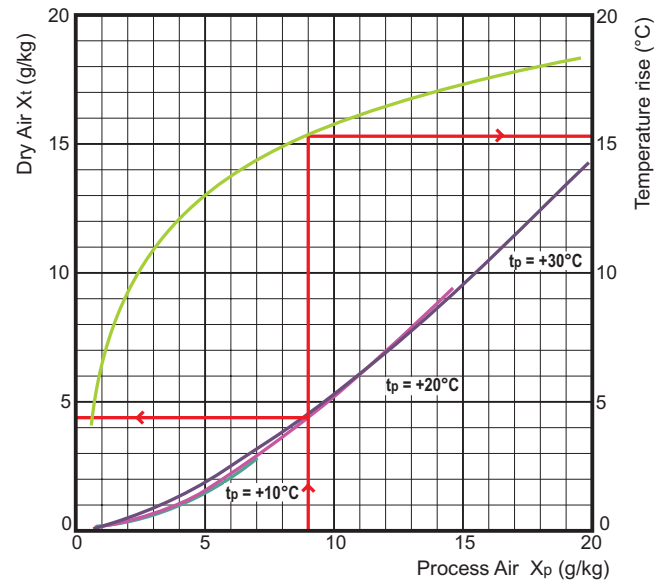
Ready for connection to standard size duct, electrical power supply and external humidity sensor.

## Dehumidification Capacity (kg/h)

		Process Air Temperature					
		5°C	10°C	15°C	20°C	25°C	30°C
Process Air Relative Humidity	10%RH	2.5	3.9	4.8	6.4	8.5	10.0
	15%RH	3.9	5.2	7.4	9.6	11.7	13.8
	20%RH	5.2	6.9	9.4	12.1	14.8	17.3
	25%RH	6.0	8.6	11.2	14.4	17.4	20.1
	30%RH	7.3	10.1	13.3	16.4	19.7	22.4
	35%RH	8.5	11.6	14.9	18.5	21.6	24.4
	40%RH	9.3	12.7	16.4	20.0	23.2	26.0
	45%RH	10.5	14.1	17.8	21.4	24.6	27.3
	50%RH	11.6	15.4	19.3	22.7	25.6	28.3
	55%RH	12.7	16.6	20.4	23.7	26.4	29.1
	60%RH	13.4	17.7	21.4	24.6	27.1	29.7
	65%RH	14.4	18.5	22.4	25.3	27.6	30.2
	70%RH	15.4	19.5	23.2	25.9	27.9	30.6
	75%RH	16.0	20.3	24.0	26.4	28.2	30.9
80%RH	16.8	21.1	24.5	26.8	28.4	31.3	
85%RH	17.7	21.8	24.9	27.1	28.6	31.7	
90%RH	18.4	22.3	25.3	27.3	28.7	32.2	
95%RH	18.9	22.7	25.6	27.5	29.0	32.9	
100%RH	19.5	23.0	25.7	27.7	29.3	33.9	

Note! If the absolute humidity in the dry air is below 0,5 g/kg, (Blue Figures) please contact Avon for further advice.

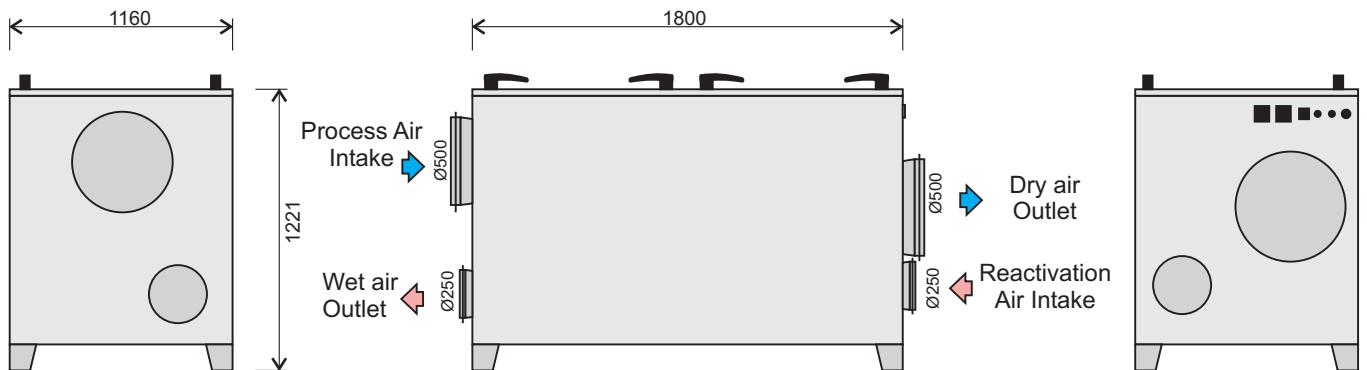
## Capacity Diagram



**EXAMPLE (at 20°C & 60%RH) :**  
 Process air:  $X_p = 8.7$  g/kg,  $t_p = +20^\circ\text{C}$  giving  
 Dry air:  $X_t = 4.4$  g/kg,  $t_t = 20 + 15.4 = 35.4^\circ\text{C}$

## Dimensions (mm)

Made in Sweden



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One of three Dehutech Dehumidifiers supplied to EMIRATES TEAM NZ 2006



AVON/DEHUTECH Dehumidifiers in action at Team NZL, Valencia Headquarters



Drying the inner hull of NZL92 - 3rd June 2007