

TrueDRY™ DR65/DR90/DR120

Ventilating Dehumidification System

SPECIFICATION DATA

DR65 Specifications

| | |
|--|---|
| Part Number: | DR65A2000 |
| Blower: | 160 CFM @ 0.0 in. WG 100 CFM @ 0.6 in. WG |
| Supply Voltage: | 120 VAC; 60 Hz. |
| Amps: | 5.2 A |
| Power transformer to R/C terminals: | 24 VAC, 0.85A |
| Energy performance: | 2.22 liters (4.7 pints) per kilowatt hour (KWH) Energy |
| Refrigerant: | R-410A |
| Operating Temp Range (outside cabinet): | 34 – 135 °F (1.1 – 57.2 °C) |
| Coverage: | Up to 1800 sq. ft. |
| Duct Connections: | 8 in. Round Inlet 8 in. Round Outlet (ABS Plastic) |
| Filter Efficiency: | Standard MERV-11 |
| Drain Connection: | 3/4 in. threaded female NPT, with attached 3/4 in. threaded male NPT |

Dimensions (See Fig. 1):

| | |
|---------|---------------------------|
| Width: | 12 in. |
| Height: | 12 in. |
| Length: | 28-1/2 in. (with collars) |
| Weight: | 55 lbs (25 Kg) |

Shipping Specs

| | |
|---------|----------------|
| Width: | 15-1/2 in. |
| Height: | 17-1/4 in. |
| Length: | 31-1/2 in. |
| Weight: | 65 lbs (30 Kg) |

Optional Parts

| | |
|--------------------------------|--------------|
| Replacement Filter | 50049537-005 |
| Motorized Ventilation Damper | EARD6TZ |
| Bypass Damper | CPRD8/U |
| Compressor Relay, 24 VAC, 30 A | 50049537-002 |
| Compressor Run Capacitor | 50049537-003 |
| 8" Duct Collar | 50049537-004 |
| Fan Assembly | 50049537-006 |
| Capacitor - Fan | 50070204-001 |
| Fan Relay, SPDT, 24 VAC, 15A | 50035445-011 |
| Transformer 120/24 VAC, 40 VA | 50035445-013 |
| Defrost Thermostat | 50070204-002 |

ETL Listed. Energy Star Rated. Conforms to UL standard 60335-2-40.

For more information call 1-800-468-1502 or visit our website at customer.honeywell.com.

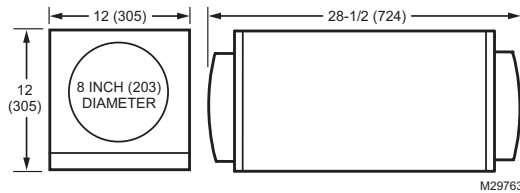


Fig. 1. DR65 Dimensions in inches (mm).

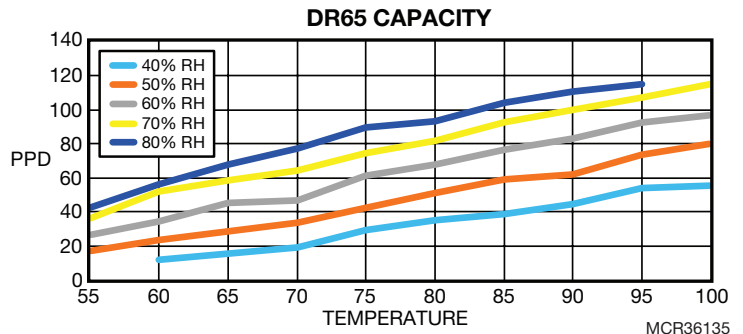


Fig. 2. DR65 Capacity.

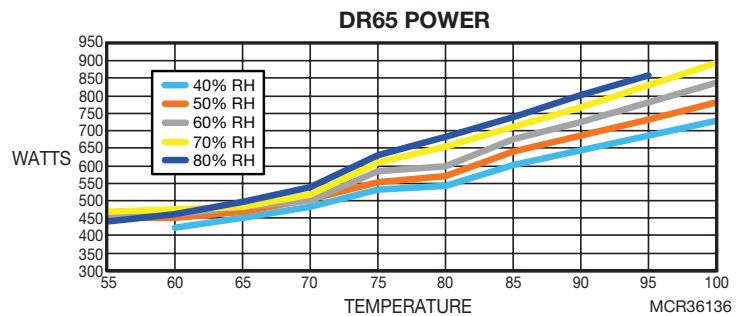


Fig. 3. DR65 Power.



DR65 Specifications

| DR65 Capacity | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|-----|---------|-------|-----|--|--|
| Temp | 40% RH | | | 50% RH | | | 60% RH | | | 70% RH | | | 80% RH | | | 90% RH | | | 100% RH | | | | |
| | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | | | | 17 | 450 | 1535 | 27 | 460 | 1569 | 36 | 470 | 1603 | 43 | 441 | 1504 | | | | | | | | |
| 60 | 12 | 423 | 1442 | 24 | 451 | 1538 | 34 | 461 | 1572 | 52 | 475 | 1620 | 56 | 462 | 1575 | | | | | | | | |
| 65 | 16 | 452 | 1541 | 29 | 467 | 1592 | 45 | 483 | 1647 | 58 | 484 | 1650 | 68 | 495 | 1688 | | | | | | | | |
| 70 | 19 | 482 | 1644 | 34 | 504 | 1719 | 47 | 500 | 1705 | 64 | 519 | 1770 | 77 | 540 | 1841 | | | | | | | | |
| 75 | 30 | 532 | 1814 | 43 | 554 | 1889 | 61 | 583 | 1988 | 75 | 609 | 2077 | 89 | 630 | 2148 | | | | | | | | |
| 80 | 35 | 543 | 1852 | 51 | 572 | 1951 | 68 | 597 | 2036 | 82 | 656 | 2237 | 93 | 682 | 2326 | | | | | | | | |
| 85 | 39 | 603 | 2056 | 59 | 639 | 2179 | 76 | 676 | 2305 | 93 | 711 | 2425 | 104 | 740 | 2523 | | | | | | | | |
| 90 | 45 | 643 | 2193 | 62 | 686 | 2339 | 83 | 726 | 2476 | 100 | 768 | 2619 | 110 | 802 | 2735 | | | | | | | | |
| 95 | 54 | 688 | 2346 | 74 | 733 | 2500 | 92 | 780 | 2660 | 107 | 830 | 2830 | 115 | 860 | 2933 | | | | | | | | |
| 100 | 56 | 730 | 2489 | 80 | 782 | 2667 | 97 | 839 | 2861 | 115 | 894 | 3049 | | | | | | | | | | | |
| Unit below minimum defrost conditions with current defrost scheme | | | | | | | | | | | | | | | | | | | | | | | |
| Conditions beyond our test capabilities | | | | | | | | | | | | | | | | | | | | | | | |
| Unit in defrost conditions | | | | | | | | | | | | | | | | | | | | | | | |

DR90 Specifications

| | |
|--|--|
| Part Number: | DR90A2000 |
| Blower: | 262 CFM @ 0.0 in. WG 106 CFM @ 0.6 in. WG |
| Supply Voltage: | 120 VAC; 60 Hz. |
| Amps: | 5.9 A |
| Power transformer to R/C terminals: | 24 VAC, 0.85A |
| Energy performance: | 2.9 liters (6.1 pints) per kilowatt hour (KWH) Energy |
| Refrigerant: | R-410A |
| Operating Temp Range (outside cabinet): | 34 – 135 °F (1.1 – 57.2 °C) |
| Coverage: | Up to 2800 sq. ft. |
| Duct Connections: | 6 in. Supply Inlet 10 in. Round Inlet 10 in. Round Outlet (ABS Plastic) |
| Filter Efficiency: | Standard MERV-11 |
| Drain Connection: | 3/4 in. threaded female NPT, with attached 3/4 in. threaded male NPT |

| | |
|---------------------------------|--|
| Dimensions (See Fig. 4): | |
| Width: | 14-3/8 in. |
| Height: | 19-3/8 in. |
| Length: | 25-13/16 in. (without collars) 32-3/16 in. (with collars) |
| Weight: | 82 lbs (37.2 Kg) |

| | |
|-----------------------|------------------|
| Shipping Specs | |
| Width: | 18-1/2 in. |
| Height: | 21-1/2 in. |
| Length: | 40 in. |
| Weight: | 93 lbs (42.2 Kg) |

| | |
|--------------------------------|----------------------------|
| Optional Parts | |
| Replacement Filter | 50070171-002 |
| Motorized Ventilation Damper | EARD6TZ |
| Bypass Damper | CPRD10 |
| Compressor Relay, 24 VAC, 30 A | 50035445-014 |
| Compressor Run Capacitor | 50070171-001 |
| 10" Duct Collar | 50049536-005 |
| Fan Assembly | 50049537-006/ DR90XFAN1 |
| Capacitor - Fan | 50070204-001/ DR90XCFA1 |
| Fan Relay, SPDT, 24 VAC, 15A | 50035445-011 |
| Transformer 120/24 VAC, 40 VA | 50035445-013 |
| Defrost Thermostat | 50070204-002 |

ETL Listed. Energy Star Rated. Conforms to UL standard 60335-2-40.

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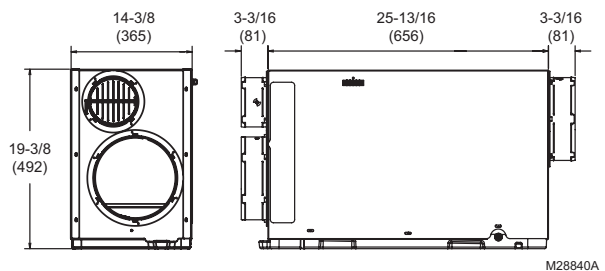


Fig. 4. DR90 Dimensions in inches (mm).

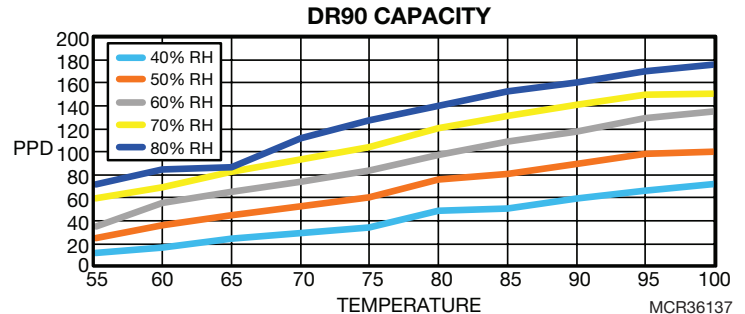


Fig. 5. DR90 Capacity.

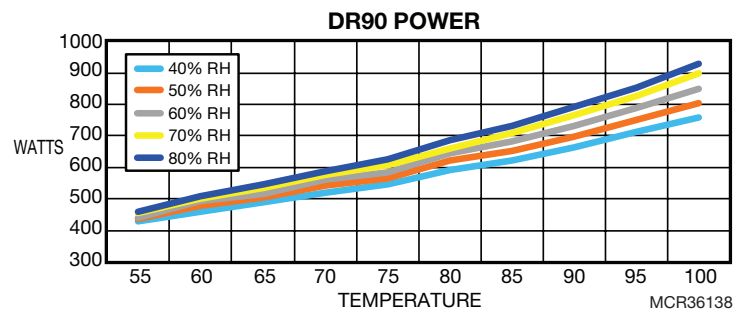


Fig. 6. DR90 Power.

DR90 Specifications

| DR90 Capacity | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|-----|---------|-------|-----|--|--|--|
| Temp | 40% RH | | | 50% RH | | | 60% RH | | | 70% RH | | | 80% RH | | | 90% RH | | | 100% RH | | | | | |
| | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 12 | 430 | 1466 | 24 | 435 | 1483 | 35 | 440 | 1500 | 60 | 455 | 1552 | 71 | 461 | 1572 | | | | | | | | | |
| 60 | 17 | 460 | 1569 | 37 | 477 | 1627 | 55 | 492 | 1678 | 69 | 501 | 1708 | 85 | 510 | 1739 | | | | | | | | | |
| 65 | 25 | 490 | 1671 | 45 | 504 | 1719 | 65 | 518 | 1766 | 83 | 537 | 1831 | 87 | 547 | 1865 | | | | | | | | | |
| 70 | 30 | 521 | 1777 | 53 | 542 | 1848 | 74 | 561 | 1913 | 93 | 576 | 1964 | 112 | 590 | 2012 | | | | | | | | | |
| 75 | 34 | 546 | 1862 | 60 | 566 | 1930 | 84 | 586 | 1998 | 104 | 608 | 2073 | 127 | 627 | 2138 | | | | | | | | | |
| 80 | 49 | 592 | 2019 | 76 | 621 | 2118 | 97 | 645 | 2199 | 121 | 659 | 2247 | 140 | 687 | 2343 | | | | | | | | | |
| 85 | 51 | 622 | 2121 | 81 | 652 | 2223 | 109 | 682 | 2326 | 131 | 710 | 2421 | 153 | 733 | 2500 | | | | | | | | | |
| 90 | 59 | 665 | 2268 | 90 | 699 | 2384 | 118 | 733 | 2500 | 141 | 766 | 2612 | 160 | 791 | 2697 | | | | | | | | | |
| 95 | 66 | 712 | 2428 | 98 | 750 | 2558 | 129 | 788 | 2687 | 150 | 825 | 2813 | 170 | 855 | 2916 | | | | | | | | | |
| 100 | 72 | 757 | 2581 | 100 | 803 | 2738 | 135 | 848 | 2892 | 151 | 899 | 3066 | 176 | 928 | 3164 | | | | | | | | | |
| Unit below minimum defrost conditions with current defrost scheme | | | | | | | | | | | | | | | | | | | | | | | | |
| Conditions beyond our test capabilities | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit in defrost conditions | | | | | | | | | | | | | | | | | | | | | | | | |

DR120 Specifications

| | |
|--|---|
| Part Number: | DR120A2000 |
| Blower: | 350 CFM @ 0.0 in. WG 210 CFM @ 0.4 in. WG |
| Supply Voltage: | 120 VAC; 60 Hz. |
| Amps: | 7.3 A |
| Power transformer to R/C terminals: | 24 VAC, 0.85A |
| Energy performance: | 2.9 liters (6.1 pints) per kilowatt hour (KWH) |
| Refrigerant: | R-410A |
| Operating Temp Range (outside cabinet): | 34 – 135 °F (1.1 – 57.2 °C) |
| Coverage: | Up to 3500 sq. ft. |
| Duct Connections: | 6 in. Supply Inlet 10 in. Round Inlet 10 in. Round Outlet (ABS Plastic) |
| Filter Efficiency: | Standard MERV-11 |
| Drain Connection: | 3/4 in. threaded female NPT, with attached 3/4 in. threaded male NPT |

Dimensions (See Fig. 7):

| | |
|---------|--|
| Width: | 14-3/8 in. |
| Height: | 21-3/16 in. |
| Length: | 25-13/16 in. (without collars) 32-3/16 in. (with collars) |
| Weight: | 90 lbs (40.8 Kg) |

Shipping Specs

| | |
|---------|-------------------|
| Width: | 18-1/2 in. |
| Height: | 23-1/2 in. |
| Length: | 40 in. |
| Weight: | 101 lbs (45.8 Kg) |

Optional Parts

| | |
|--------------------------------|-----------------------------|
| Replacement Filter | 50070171-002 |
| Motorized Ventilation Damper | EARD6TZ |
| 10" Backdraft Damper | SPRD10 |
| Compressor Relay, 24 VAC, 30 A | 50035445-014 |
| Compressor Run Capacitor | 50070205-001/ DR120XCRC1 |
| 10" Duct Collar | 50049536-005 |
| Fan Assembly | 50070205-002 |
| Capacitor - Fan | 50070205-003 |
| Fan Relay, SPDT, 24 VAC, 15A | 50035445-011 |
| Transformer 120/24 VAC, 40 VA | 50035445-013 |
| Defrost Thermostat | 50070204-002 |
| Leveling Foot | 50035445-019 |

ETL Listed. Energy Star Rated. Conforms to UL Std. 474.

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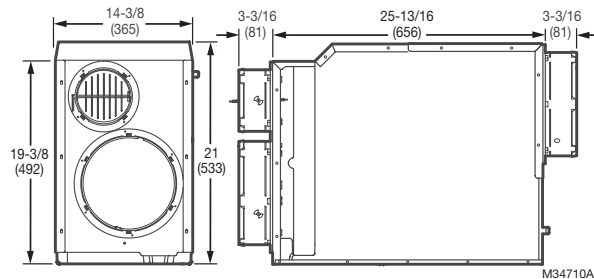


Fig. 7. DR120 Dimensions in inches (mm).

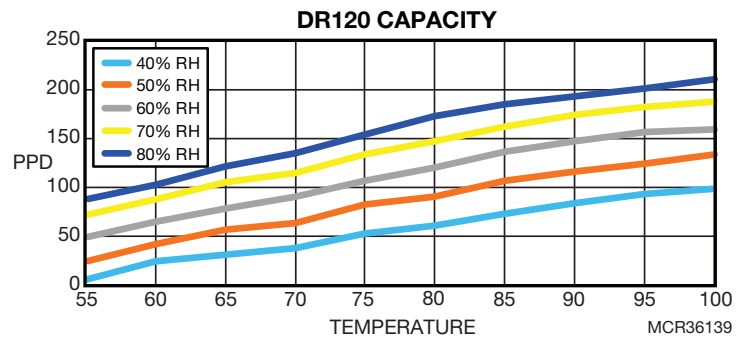


Fig. 8. DR120 Capacity.

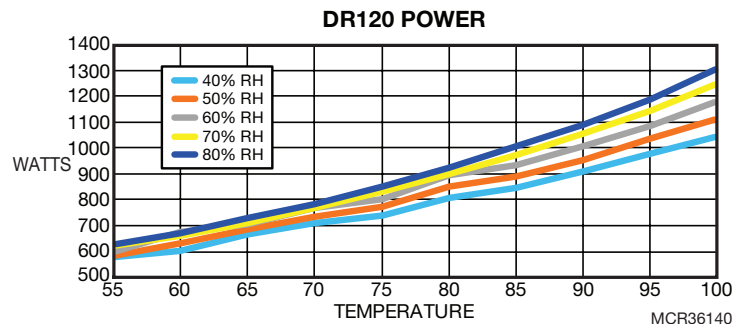


Fig. 9. DR120 Power.

DR120 Specifications

| DR120 Capacity | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|-----|---------|-------|-----|--|
| Temp | 40% RH | | | 50% RH | | | 60% RH | | | 70% RH | | | 80% RH | | | 90% RH | | | 100% RH | | | |
| | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | PPD | Watts | BTU | |
| 40 | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 6 | 580 | 1978 | 25 | 585 | 1995 | 48 | 600 | 2046 | 72 | 622 | 2121 | 88 | 626 | 2135 | | | | | | | |
| 60 | 25 | 602 | 2053 | 42 | 632 | 2155 | 65 | 674 | 2298 | 88 | 661 | 2254 | 103 | 673 | 2295 | | | | | | | |
| 65 | 32 | 667 | 2274 | 57 | 687 | 2343 | 79 | 703 | 2397 | 106 | 711 | 2425 | 122 | 727 | 2479 | | | | | | | |
| 70 | 38 | 711 | 2425 | 64 | 736 | 2510 | 91 | 767 | 2615 | 115 | 767 | 2615 | 136 | 782 | 2667 | | | | | | | |
| 75 | 53 | 739 | 2520 | 83 | 771 | 2629 | 107 | 801 | 2731 | 134 | 831 | 2834 | 155 | 849 | 2895 | | | | | | | |
| 80 | 61 | 806 | 2748 | 91 | 850 | 2899 | 121 | 895 | 3052 | 148 | 899 | 3066 | 174 | 925 | 3154 | | | | | | | |
| 85 | 73 | 848 | 2892 | 107 | 892 | 3042 | 137 | 933 | 3182 | 163 | 974 | 3321 | 185 | 1006 | 3430 | | | | | | | |
| 90 | 84 | 910 | 3103 | 117 | 955 | 3257 | 148 | 1006 | 3430 | 175 | 1053 | 3591 | 194 | 1089 | 3713 | | | | | | | |
| 95 | 93 | 977 | 3332 | 125 | 1034 | 3526 | 157 | 1087 | 3707 | 183 | 1143 | 3898 | 201 | 1189 | 4054 | | | | | | | |
| 100 | 99 | 1047 | 3570 | 135 | 1116 | 3806 | 159 | 1183 | 4034 | 188 | 1250 | 4263 | 211 | 1308 | 4460 | | | | | | | |
| Unit below minimum defrost conditions with current defrost scheme | | | | | | | | | | | | | | | | | | | | | | |
| Conditions beyond our test capabilities | | | | | | | | | | | | | | | | | | | | | | |
| Unit in defrost conditions | | | | | | | | | | | | | | | | | | | | | | |

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