

Give Your Dehumidifiers the Winning Edge

with

Desiccant Dehumidifying Rotors & Cassettes



Desiccant Dehumidifying
Rotors & Cassettes

Absorbent
Non Toxic
Non Flammable
Fully water washable

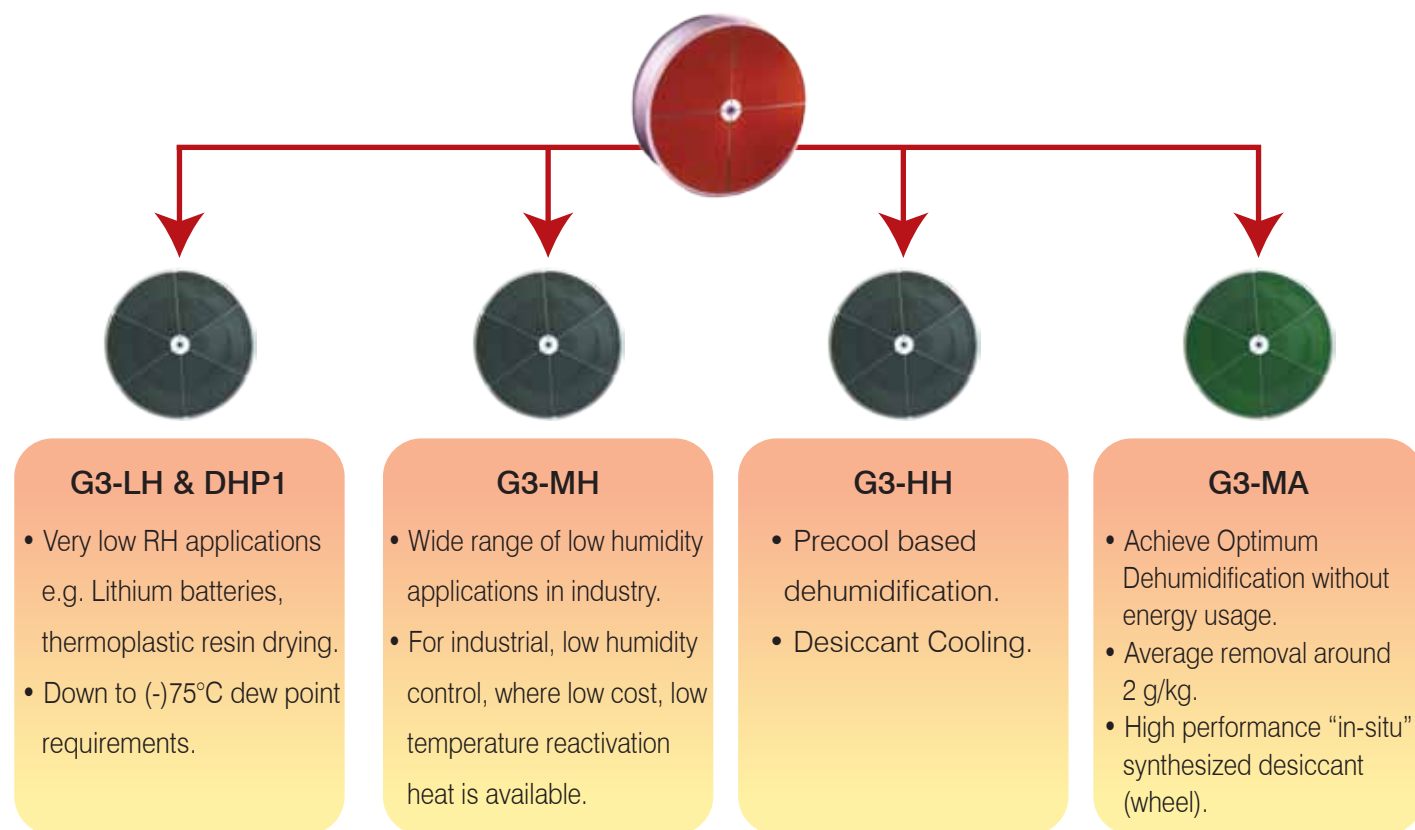


Innovative Air Solutions

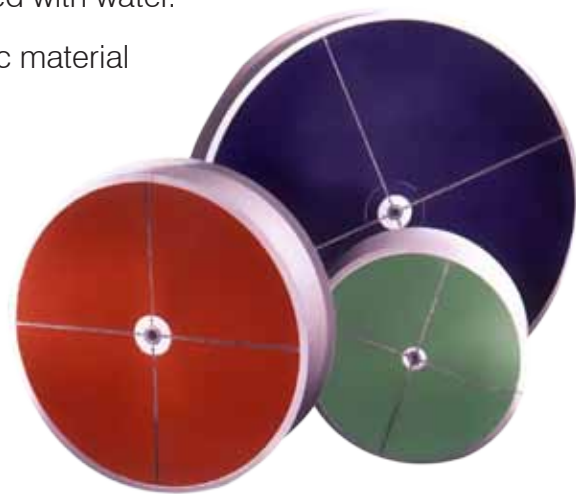


Desiccant Dehumidifying Cassettes and Rotors for Low Humidity or High Ventilation needs !

Type of Ecodry Rotors



- Metal silicate synthesized on inorganic fiber substrate (net organics less than 2%).
- Customised depth and diameter to meet specific requirements.
- All EcoDry G3 series rotors allow for a very high moisture removal over a vast range of inlet conditions.
- The rotors are maintenance free and there is no deliquescence, and hence no special storage needs.
- Rotors can simply be cleaned by blowing air or even washed with water.
- The rotors are composed of stable, chemically inert inorganic material and offer excellent resistance to most chemicals.
- High Mechanical strength.
- The rotors can be reactivated using electrical heat, steam, hot water, natural gas, LPG, or thermic fluid heating.
- The rotors neither burns nor supports combustion.
- Integral long life bearings.
- zzRotor has perimeter flangs as standard.



DRI ... YOUR DEHUMIDIFICATION PARTNER

- Cassettes are CNC fabricated.
- Standard Stainless Steel Rims
- High moisture removal capacity at relatively low energy cost.
- Rotor depth 50, 100, 200 and 400 mm (standard).
- Unique PTFE bonded bulb seal design minimizes air leakage.
- Suitable for continuous operation.
- Quick and easy to service.
- Easy, access to all major components.
- Quick serviceability and maintenance free operation.

Desiccant Dehumidification for Dry Rooms

Ultra low dew point up to (-)90 °C



- Proven success in meeting the stringent requirement of dew point lower than (-) 75 °C, can go up to (-)90 °C, required by lithium battery plants.
- Highest dry process airflow/kw.
- Rotor made up of pH neutral & chemical resistant material. Inertness to gases such as Hydrogen Fluoride (HF) generated during the production of Lithium-ion batteries.



World-Class test facilities for
performance evaluation of
DESICCANT WHEELS

DRI Ecodry labs helps to test and produce rotors capable of delivering Extremely Low Dew Points for Specialized applications like Lithium Battery Rooms





Desiccant Cassettes Data

Ratio 50:50

EDC 250-4250 (Rotor Depth 200)

| S.No. | Model | Diemensions | | | | Nominal Unit | Process Min@2.0 m/sec | Air Volume Max@4.0 m/sec | Approx Weight In Pounds | Approx Weight In Kgs |
|-------|--------------|-------------|-----------|--------|-------|--------------|-----------------------|--------------------------|-------------------------|----------------------|
| | | Unit | Wheel Dia | A | B | | | | | |
| 1 | EDC-250-200 | inches | 9.84 | 17.72 | 13.58 | CFM | 79 | 158 | 99 | 45 |
| 2 | EDC-370-200 | mm | 250 | 450 | 345 | CMH | 134 | 268 | 128 | 58 |
| | | inches | 14.57 | 22.44 | 13.58 | CFM | 194 | 387 | | |
| 3 | EDC-440-200 | mm | 370 | 570 | 345 | CMH | 329 | 658 | 148 | 67 |
| | | inches | 17.32 | 25.20 | 13.58 | CFM | 283 | 566 | | |
| 4 | EDC-550-200 | mm | 440 | 640 | 345 | CMH | 481 | 961 | 181 | 82 |
| | | inches | 21.65 | 29.53 | 13.58 | CFM | 456 | 912 | | |
| 5 | EDC-770-200 | mm | 550 | 750 | 345 | CMH | 775 | 1550 | 265 | 120 |
| | | inches | 30.31 | 38.19 | 13.58 | CFM | 913 | 1826 | | |
| 6 | EDC-965-200 | mm | 770 | 970 | 345 | CMH | 1551 | 3102 | 344 | 156 |
| | | inches | 37.99 | 45.87 | 15.55 | CFM | 1431 | 2861 | | |
| 7 | EDC-1220-200 | mm | 965 | 1165 | 395 | CMH | 2431 | 4862 | 478 | 217 |
| | | inches | 48.03 | 55.91 | 15.55 | CFM | 2331 | 4661 | | |
| 8 | EDC-1525-200 | mm | 1220 | 1420 | 395 | CMH | 3960 | 7921 | 662 | 300 |
| | | inches | 60.04 | 66.93 | 15.55 | CFM | 3671 | 7341 | | |
| 9 | EDC-1740-200 | mm | 1525 | 1700 | 395 | CMH | 6237 | 12474 | 919 | 417 |
| | | inches | 68.50 | 75.20 | 15.55 | CFM | 4776 | 9553 | | |
| 10 | EDC-1940-200 | mm | 1740 | 1910 | 395 | CMH | 8116 | 16232 | 1080 | 490 |
| | | inches | 76.38 | 83.27 | 15.55 | CFM | 5980 | 11960 | | |
| 11 | EDC-2190-200 | mm | 1940 | 2115 | 395 | CMH | 10161 | 20322 | 1274 | 578 |
| | | inches | 86.22 | 93.11 | 15.55 | CFM | 7671 | 15343 | | |
| 12 | EDC-2450-200 | mm | 2190 | 2365 | 395 | CMH | 13035 | 26071 | 1665 | 755 |
| | | inches | 96.46 | 104.33 | 16.73 | CFM | 9607 | 19213 | | |
| 13 | EDC-2650-200 | mm | 2450 | 2650 | 425 | CMH | 16324 | 32648 | 1865 | 846 |
| | | inches | 104.33 | 112.20 | 16.73 | CFM | 11283 | 22565 | | |
| 14 | EDC-2950-200 | mm | 2650 | 2850 | 425 | CMH | 19172 | 38344 | 2183 | 990 |
| | | inches | 116.14 | 124.02 | 16.73 | CFM | 14046 | 28093 | | |
| 15 | EDC-3550-200 | mm | 2950 | 3150 | 425 | CMH | 23868 | 47736 | 2999 | 1360 |
| | | inches | 139.76 | 147.64 | 16.73 | CFM | 20472 | 40944 | | |
| 16 | EDC-3950-200 | mm | 3550 | 3750 | 425 | CMH | 37787 | 69573 | 3541 | 1606 |
| | | inches | 155.51 | 163.39 | 16.73 | CFM | 25421 | 50842 | | |
| 17 | EDC-4250-200 | mm | 3950 | 4150 | 425 | CMH | 43197 | 86393 | 3978 | 1804 |
| | | inches | 167.32 | 175.20 | 16.73 | CFM | 29483 | 58965 | | |
| | | mm | 4250 | 4450 | 425 | CMH | 50098 | 100196 | | |

Ratio 75:25

EDC 250-4250 (Rotor Depth 200)

| S.No. | Model | Dimensions | | | | Nominal Process Air Volume | | | Approx Weight In Pounds | Approx Weight In Kgs |
|-------|--------------|------------|-----------|--------|-------|----------------------------|-----------------|-----------------|-------------------------|----------------------|
| | | Unit | Wheel Dia | A | B | Unit | Min @ 2.0 m/sec | Max @ 4.0 m/sec | | |
| 1 | EDC-250-200 | inches | 9.84 | 17.72 | 13.58 | CFM | 118 | 237 | 99 | 45 |
| | | mm | 250 | 450 | 345 | CMH | 201 | 402 | | |
| 2 | EDC-370-200 | inches | 14.57 | 22.44 | 13.58 | CFM | 291 | 581 | 128 | 58 |
| | | mm | 370 | 570 | 345 | CMH | 494 | 988 | | |
| 3 | EDC-440-200 | inches | 17.32 | 25.20 | 13.58 | CFM | 424 | 849 | 148 | 67 |
| | | mm | 440 | 640 | 345 | CMH | 721 | 1442 | | |
| 4 | EDC-550-200 | inches | 21.65 | 29.53 | 13.58 | CFM | 684 | 1368 | 181 | 82 |
| | | mm | 550 | 750 | 345 | CMH | 1162 | 2324 | | |
| 5 | EDC-770-200 | inches | 30.31 | 38.19 | 13.58 | CFM | 1369 | 2738 | 265 | 120 |
| | | mm | 770 | 970 | 345 | CMH | 2327 | 4653 | | |
| 6 | EDC-965-200 | inches | 37.99 | 45.87 | 15.55 | CFM | 2146 | 4292 | 344 | 156 |
| | | mm | 965 | 1165 | 395 | CMH | 3646 | 7293 | | |
| 7 | EDC-1220-200 | inches | 48.03 | 55.91 | 15.55 | CFM | 3496 | 6992 | 478 | 217 |
| | | mm | 1220 | 1420 | 395 | CMH | 5941 | 11881 | | |
| 8 | EDC-1525-200 | inches | 60.04 | 66.93 | 15.55 | CFM | 5506 | 11012 | 662 | 300 |
| | | mm | 1525 | 1700 | 395 | CMH | 9356 | 18712 | | |
| 9 | EDC-1740-200 | inches | 68.50 | 75.20 | 15.55 | CFM | 7165 | 14329 | 919 | 417 |
| | | mm | 1740 | 1910 | 395 | CMH | 12174 | 24349 | | |
| 10 | EDC-1940-200 | inches | 76.38 | 83.27 | 15.55 | CFM | 8970 | 17939 | 1080 | 490 |
| | | mm | 1940 | 2115 | 395 | CMH | 15242 | 30483 | | |
| 11 | EDC-2190-200 | inches | 86.22 | 93.11 | 15.55 | CFM | 11507 | 23014 | 1274 | 578 |
| | | mm | 2190 | 2365 | 395 | CMH | 19553 | 39106 | | |
| 12 | EDC-2450-200 | inches | 96.46 | 104.33 | 16.73 | CFM | 14410 | 28820 | 1665 | 755 |
| | | mm | 2450 | 2650 | 425 | CMH | 24486 | 48972 | | |
| 13 | EDC-2650-200 | inches | 104.33 | 112.20 | 16.73 | CFM | 16924 | 33848 | 1865 | 846 |
| | | mm | 2650 | 2850 | 425 | CMH | 28768 | 57516 | | |
| 14 | EDC-2950-200 | inches | 116.14 | 124.02 | 16.73 | CFM | 21069 | 42139 | 2183 | 990 |
| | | mm | 2950 | 3150 | 425 | CMH | 35802 | 71604 | | |
| 15 | EDC-3550-200 | inches | 139.76 | 147.64 | 16.73 | CFM | 30708 | 61416 | 2999 | 1360 |
| | | mm | 3550 | 3750 | 425 | CMH | 52180 | 104360 | | |
| 16 | EDC-3950-200 | inches | 155.51 | 163.39 | 16.73 | CFM | 38132 | 76264 | 3541 | 1606 |
| | | mm | 3950 | 4150 | 425 | CMH | 64795 | 129590 | | |
| 17 | EDC-4250-200 | inches | 167.32 | 175.20 | 16.73 | CFM | 44224 | 88448 | 3978 | 1804 |
| | | mm | 4250 | 4450 | 425 | CMH | 75147 | 150294 | | |

Ratio 75:25

EDC 250-300 (Rotor Depth 50mm)

| S.No. | Model | Diemensions | | | | Nominal Unit | Process | Air Volume | Approx Weight In Pounds | Approx Weight In Kgs |
|-------|------------|-------------|-----------|-------|------|--------------|---------------|---------------|-------------------------|----------------------|
| | | Unit | Wheel Dia | A | B | | Min@1.0 m/sec | Max@2.0 m/sec | | |
| 1 | EDC-250-50 | inches | 9.84 | 17.72 | 7.68 | CFM | 59 | 118 | 84 | 38 |
| | | mm | 250 | 450 | 195 | CMH | 100 | 201 | | |
| 2 | EDC-300-50 | inches | 11.81 | 19.69 | 7.68 | CFM | 91 | 181 | 93 | 42 |
| | | mm | 300 | 500 | 195 | CMH | 154 | 308 | | |

Ratio 75:25

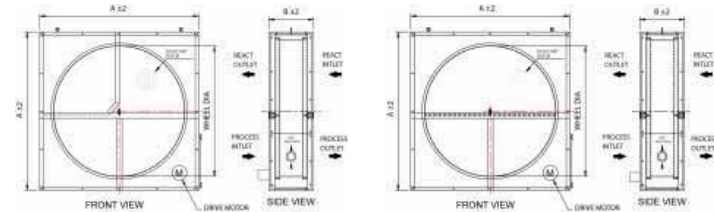
EDC 550-4250 (Rotor Depth 400mm)

| S.No. Model | | Diemensions | | | | Nominal Process Air Volume | | | Approx Weight In Pounds | Approx Weight In Kgs |
|-------------|--------------|-------------|-----------|--------|-------|----------------------------|---------------|---------------|-------------------------|----------------------|
| | | Unit | Wheel Dia | A | B | Unit | Min@2.0 m/sec | Max@4.0 m/sec | | |
| 1 | EDC-550-400 | inches | 21.65 | 29.53 | 21.46 | CFM | 669 | 1338 | 251 | 114 |
| | | mm | 550 | 750 | 545 | CMH | 1137 | 2273 | | |
| 2 | EDC-770-400 | inches | 30.31 | 38.19 | 21.46 | CFM | 1369 | 2738 | 368 | 167 |
| | | mm | 770 | 970 | 545 | CMH | 2327 | 4653 | | |
| 3 | EDC-965-400 | inches | 37.99 | 45.87 | 23.43 | CFM | 2146 | 4292 | 485 | 220 |
| | | mm | 965 | 1165 | 595 | CMH | 3646 | 7293 | | |
| 4 | EDC-1220-400 | inches | 48.03 | 55.91 | 23.43 | CFM | 3452 | 6904 | 750 | 340 |
| | | mm | 1220 | 1420 | 595 | CMH | 5866 | 11732 | | |
| 5 | EDC-1525-400 | inches | 60.04 | 66.93 | 23.43 | CFM | 5493 | 10987 | 1021 | 463 |
| | | mm | 1525 | 1700 | 595 | CMH | 9334 | 18669 | | |
| 6 | EDC-1740-400 | inches | 68.50 | 75.20 | 23.43 | CFM | 7165 | 14329 | 1323 | 600 |
| | | mm | 1740 | 1910 | 595 | CMH | 12174 | 24349 | | |
| 7 | EDC-1940-400 | inches | 76.38 | 83.27 | 23.43 | CFM | 8970 | 17939 | 1577 | 715 |
| | | mm | 1940 | 2115 | 595 | CMH | 15242 | 30483 | | |
| 8 | EDC-2190-400 | inches | 86.22 | 93.11 | 23.43 | CFM | 11507 | 23014 | 1890 | 857 |
| | | mm | 2190 | 2365 | 595 | CMH | 19553 | 39106 | | |
| 9 | EDC-2450-400 | inches | 96.46 | 104.33 | 24.61 | CFM | 14410 | 28820 | 2646 | 1200 |
| | | mm | 2450 | 2650 | 625 | CMH | 24486 | 48972 | | |
| 10 | EDC-2650-400 | inches | 104.33 | 112.20 | 24.61 | CFM | 16924 | 33848 | 2983 | 1353 |
| | | mm | 2650 | 2850 | 625 | CMH | 28758 | 57516 | | |
| 11 | EDC-2950-400 | inches | 116.14 | 124.02 | 24.61 | CFM | 21069 | 42139 | 3524 | 1598 |
| | | mm | 2950 | 3150 | 625 | CMH | 35802 | 71604 | | |
| 12 | EDC-3550-400 | inches | 139.76 | 147.64 | 24.61 | CFM | 30577 | 61154 | 4838 | 2194 |
| | | mm | 3550 | 3750 | 625 | CMH | 51958 | 103915 | | |
| 13 | EDC-3950-400 | inches | 155.51 | 163.39 | 24.61 | CFM | 38001 | 76002 | 5759 | 2612 |
| | | mm | 3950 | 4150 | 625 | CMH | 64573 | 129145 | | |
| 14 | EDC-4250-400 | inches | 167.32 | 175.20 | 24.61 | CFM | 44093 | 88186 | 6505 | 2950 |
| | | mm | 4250 | 4450 | 625 | CMH | 74925 | 149849 | | |

Ratio 75:25

EDC 250-370 (Depth 100mm)

| S.No. | Model | Diemensions | | | | Nominal Process Air Volume | | | Approx Weight In Pounds | Approx Weight In Kgs |
|-------|-------------|-------------|-----------|-------|------|----------------------------|---------------|---------------|-------------------------|----------------------|
| | | Unit | Wheel Dia | A | B | Unit | Min@1.0 m/sec | Max@3.0 m/sec | | |
| 1 | EDC-250-100 | inches | 9.84 | 17.72 | 9.65 | CFM | 59 | 177 | 88 | 40 |
| | | mm | 250 | 450 | 245 | CMH | 100 | 301 | | |
| 2 | EDC-300-100 | inches | 11.81 | 19.69 | 9.65 | CFM | 91 | 272 | 99 | 45 |
| | | mm | 300 | 500 | 245 | CMH | 154 | 462 | | |
| 3 | EDC-370-100 | inches | 14.57 | 22.44 | 9.65 | CFM | 145 | 436 | 112 | 51 |
| | | mm | 370 | 570 | 245 | CMH | 247 | 741 | | |



RATIO 50:50

RATIO 75:25

*Because of our policy of continuous product improvement, specifications are subject to change without prior notice.



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