



**Give your
Dehumidifiers the winning edge
with**

ECODRY™

**Desiccant Dehumidifying
Rotors and Cassettes**



**Adsorbent
Non Toxic
Non Flammable
Fully water washable**

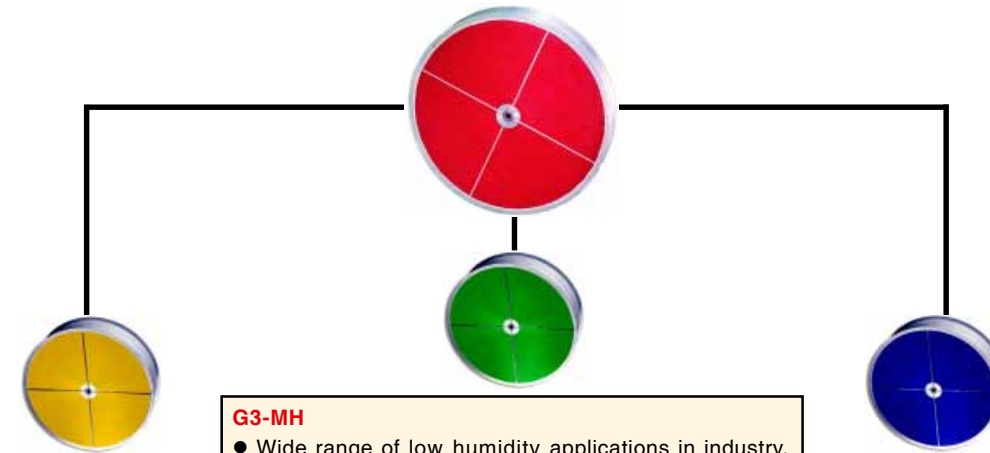
ECO DRY™ Desiccant Dehumidifying Cassettes and Rotors for Low Humidity or High Ventilation needs !

Types of ECO DRY™ 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.

G3-LH

- Very low RH applications e.g. Lithium batteries, thermoplastic resin drying.
- Down to (-)65°C dewpoint requirements.



G3-MH

- Wide range of low humidity applications in industry.
- For industrial, low humidity control where low cost, low temperature reactivation heat is available.

G3-HH

- Precool based dehumidification.
- Desiccant Cooling.

- 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.
- Rotor has perimeter flangs as standard.

ECO DRY™ Desiccant Dehumidifying Cassettes

- CNC fabricated unit(s) with powder coated finish.
- 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.

Give your Dehumidifiers the winning edge with



Process and Reactivation Ratio

P & R RATIO	3:1	1:1
50mm ROTOR DEPTH	✓	✗
100mm ROTOR DEPTH	✓	✗
200mm ROTOR DEPTH	✓	✗
400mm ROTOR DEPTH	✓	✗

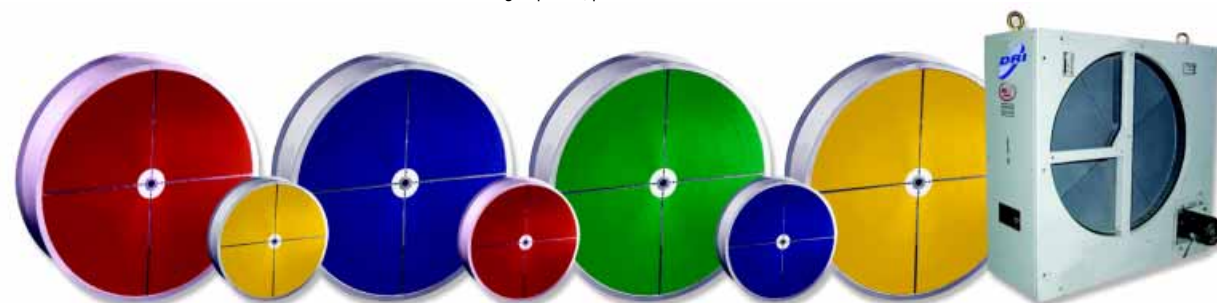
Option Available...Consult Factory

STAINLESS STEEL CONSTRUCTION
SINGLE PHASE DRIVE
HORIZONTAL MOUNTING
LARGE SEGMENTED WHEELS

Power Requirement*

EDC 250-370	6 WATTS	230V / 1PH / 50Hz.
EDC 440-770	25 WATTS	230V / 1PH / 50Hz.
EDC 965-2190	1/6 HP	415V / 3PH / 50Hz. OR 220V / 3PH / 60Hz.
EDC 2450-4250	1/4 HP	415V / 3PH / 50Hz. OR 220V / 3PH / 60Hz.

*For other voltage options, please check with us.



ECO DRY™

Dehumidifying Plastic Dryers - Cassettes and Rotors

High efficiency and reliability

- Laser cut stainless steel casing upto PDC - 390.
- Laser cut powder coated casing for PDC - 510 and above.
- High efficiency molecular sieve impregnated rotor.
- The sufficient mass of molecular rotor ensure dew point down to -60°C.
- The rotor is non flammable with less than 2% organic compounds.



- The surface of the wheel is highly polished to ensure minimum vertical runout and thus, ensuring nearly zero leakage.
- PTFE coated silicone sponge seals to ensure minimum drag.
- Rotor depths 200, 300 and 400 mm as standard.
- The drive motors are provided with speed controller to optimise performance.
- Self lubricating internal dry brush bearings to withstand high regeneration temperatures.



- Rotor provided with robust structural strength to ensure industrial quality and durability.
- The rotor media is cleanable with compressed air.

Power Requirement*

UPTO PDC-390	6 WATTS, 220-230V/1PH/50Hz.
UPTO PDC-770	25 WATTS, 220-230V/1PH/50Hz.
UPTO PDC-1080	90 WATTS, 220-230V/1PH/50Hz.

*For other voltage options, please check with us.

ECODRY™ Desiccant Cassette Data

Ratio 50:50

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	79	158	99	45
		mm	250	450	345	CMH	134	268		
2	EDC-370-200	inches	14.57	22.44	13.58	CFM	194	387	128	58
		mm	370	570	345	CMH	329	658		
3	EDC-440-200	inches	17.32	25.20	13.58	CFM	283	566	148	67
		mm	440	640	345	CMH	481	961		
4	EDC-550-200	inches	21.65	29.53	13.58	CFM	456	912	181	82
		mm	550	750	345	CMH	775	1550		
5	EDC-770-200	inches	30.31	38.19	13.58	CFM	913	1826	265	120
		mm	770	970	345	CMH	1551	3102		
6	EDC-965-200	inches	37.99	45.87	15.55	CFM	1431	2861	344	156
		mm	965	1165	395	CMH	2431	4862		
7	EDC-1220-200	inches	48.03	55.91	15.55	CFM	2331	4661	478	217
		mm	1220	1420	395	CMH	3960	7921		
8	EDC-1525-200	inches	60.04	66.93	15.55	CFM	3671	7341	662	300
		mm	1525	1700	395	CMH	6237	12474		
9	EDC-1740-200	inches	68.50	75.20	15.55	CFM	4776	9553	919	417
		mm	1740	1910	395	CMH	8116	16232		
10	EDC-1940-200	inches	76.38	83.27	15.55	CFM	5980	11960	1080	490
		mm	1940	2115	395	CMH	10161	20322		
11	EDC-2190-200	inches	86.22	93.11	15.55	CFM	7671	15343	1274	578
		mm	2190	2365	395	CMH	13035	26071		
12	EDC-2450-200	inches	96.46	104.33	16.73	CFM	9607	19213	1665	755
		mm	2450	2650	425	CMH	16324	32648		
13	EDC-2650-200	inches	104.33	112.20	16.73	CFM	11283	22565	1865	846
		mm	2650	2850	425	CMH	19172	38344		
14	EDC-2950-200	inches	116.14	124.02	16.73	CFM	14046	28093	2183	990
		mm	2950	3150	425	CMH	23868	47736		
15	EDC-3550-200	inches	139.76	147.64	16.73	CFM	20472	40944	2999	1360
		mm	3550	3750	425	CMH	37787	69573		
16	EDC-3950-200	inches	155.51	163.39	16.73	CFM	25421	50842	3541	1606
		mm	3950	4150	425	CMH	43197	86393		
17	EDC-4250-200	inches	167.32	175.20	16.73	CFM	29483	58965	3978	1804
		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@1.0 m/sec	Max@2.0 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	Dimensions				Nominal Process Air Volume			Approx Weight In Pounds	Approx Weight In Kgs
		Unit	Wheel Dia	A	B	Unit	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	Dimensions				Nominal Process Air Volume			Approx Weight In Pounds	Approx Weight In Kgs
		Unit	Wheel Dia	A	B	Unit	Min@1.0 m/sec	Max@2.0 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	Dimensions				Nominal Process Air Volume			Approx Weight In Pounds	Approx Weight In Kgs
		Unit	Wheel Dia	A	B	Unit	Min@1.0 m/sec	Max@2.0 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		

