

DESICCANT ROTORS INTERNATIONAL PVT. LTD.

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ECO-DRY PASSIVE CASSETTE

PDHC SERIES (100, 150, & 200mm DEPTH)

**ECO-DRY PASSIVE CASSETTE (PDHC-600 to 4200) COMES WITH PASSIVE ROTOR
ALL PDHC SERIES UNIT HAVE THE FOLLOWING OUTSTANDING FEATURES**

High efficiency and reliability

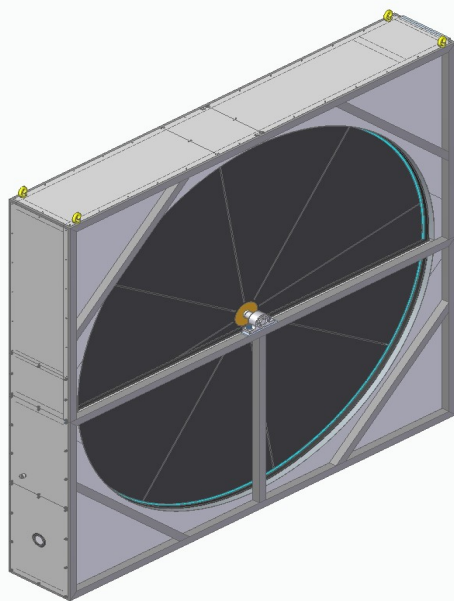
- * CNC fabricated unit(s) with powder coated finish upto PDHC-800.
- * SS-304 Tubular frame construction & powder coated or pre-coated panel/casing (EDC-1000 & above)
- * High moisture removal capacity external energy without any heat / thermal regeneration
- * Rotor incorporates robust internal structure with perimeter flange for industrial quality and durability.
- * Rotor is water washable
- * Rotor perimeter flange extend media and seal life.
- * The rotor is made of alternate flat and corrugated inorganic fibre of very uniform pitch and height.
- * Rotor is non-flammable with organic <2%.
- * Hard face coating on rotor edge ensures long life and good sealing for media and seals.
- * Rotor depth 100, 150 & 200mm.
- * 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.

PROCESS AND REACTIVATION RATIO

Supply & Exhaust Ratio	50:50
100mm ROTOR DEPTH	✓
150mm ROTOR DEPTH	✓
200mm ROTOR DEPTH	✓

POWER REQUIREMENT

PDHC-600	40W	115V/1PH/60HZ or 230V/1PH/50Hz.
PDHC-800	90W	115V/1PH/60HZ or 230V/1PH/50Hz.
PDHC-1000 to 2000	0.12 Kw	220V/3PH/60Hz or 415V/3PH/50HZ
PDHC-2200 to 4200	0.37 Kw	220V/3PH/60Hz or 415V/3PH/50HZ



OPTIONS AVAILABLE

STAINLESS STEEL CONSTRUCTION	AVAILABLE ON REQUEST
SINGLE PHASE DRIVE	AVAILABLE ON REQUEST
HORIZONTAL INSTALLATION	CONSULT FACTORY
LARGE SEGMENTED WHEELS	AVAILABLE ON REQUEST

Notes :-

1. 115V/1Ph/60Hz for USA Market
2. 460V/3Ph/60Hz for USA Market
3. 230V/1Ph/50Hz for ASIAN Market
4. 415V/3Ph/50Hz for ASIAN Market

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE



G3 MA Cassette Data (Ratio 50:50)

S. No.	Unit Model	Dimensions				Air Volume				Approx Weight (in Pound)	Approx Weight (in Kgs.)	Remarks
		Unit	Wheel Dia	A	B	Unit	@1.0 m/sec	Niminal @3.0 m/sec	Max. @4.0 m/sec			
100mm Depth												
1	PDHC-600x100	inches	23.62	31.50	11.61	CFM	280	839	1119	130	59	
		mm	600	800	295	CMH	475	1426	1901			
2	PDHC-800x100	inches	31.50	39.37	11.61	CFM	496	1488	1984	174	79	
		mm	800	1000	295	CMH	843	2528	3371			
3	PDHC-1000x100	inches	39.37	47.24	11.61	CFM	774	2322	3096	225	102	
		mm	1000	1200	295	CMH	1315	3946	5261			
4	PDHC-1200x100	inches	47.24	55.12	11.61	CFM	1114	3342	4456	282	128	
		mm	1200	1400	295	CMH	1893	5679	7572			
5	PDHC-1400x100	inches	55.12	62.99	11.61	CFM	1512	4536	6048	351	159	
		mm	1400	1600	295	CMH	2569	7708	10277			
4	PDHC-1600x100	inches	62.99	70.87	11.61	CFM	1976	5928	7904	423	192	
		mm	1600	1800	295	CMH	3358	10073	13431			
150mm Depth												
1	PDHC-600x150	inches	23.62	31.50	13.58	CFM	280	839	1119	143	65	
		mm	600	800	345	CMH	475	1426	1901			
2	PDHC-800x150	inches	31.50	39.37	13.58	CFM	496	1488	1984	203	92	
		mm	800	1000	345	CMH	843	2528	3371			
3	PDHC-1000x150	inches	39.37	47.24	13.58	CFM	774	2322	3096	267	121	
		mm	1000	1200	345	CMH	1315	3946	5261			
4	PDHC-1200x150	inches	47.24	55.12	13.58	CFM	1114	3342	4456	335	152	
		mm	1200	1400	345	CMH	1893	5679	7572			
5	PDHC-1400x150	inches	55.12	62.99	13.58	CFM	1512	4536	6048	430	195	
		mm	1400	1600	345	CMH	2569	7708	10277			
6	PDHC-1600x150	inches	62.99	70.87	13.58	CFM	1976	5928	7904	514	233	
		mm	1600	1800	345	CMH	3358	10073	13431			
7	PDHC-1800x150	inches	70.87	78.74	13.58	CFM	2500	7500	10000	648	294	
		mm	1800	2000	345	CMH	4248	12744	16992			
8	PDHC-2000x150	inches	78.74	86.61	13.58	CFM	3076	9228	12304	763	346	
		mm	2000	2200	345	CMH	5227	15681	20907			
200mm Depth												
1	PDHC-600x200	inches	23.62	31.50	15.55	CFM	280	839	1119	174	79	
		mm	600	800	395	CMH	475	1426	1901			
2	PDHC-800x200	inches	31.50	39.37	15.55	CFM	496	1488	1984	243	110	
		mm	800	1000	395	CMH	843	2528	3371			
3	PDHC-1000x200	inches	39.37	47.24	15.55	CFM	774	2322	3096	322	146	
		mm	1000	1200	395	CMH	1315	3946	5261			
4	PDHC-1200x200	inches	47.24	55.12	15.55	CFM	1114	3342	4456	415	188	
		mm	1200	1400	395	CMH	1893	5679	7572			
5	PDHC-1400x200	inches	55.12	62.99	15.55	CFM	1512	4536	6048	545	247	
		mm	1400	1600	395	CMH	2569	7708	10277			
6	PDHC-1600x200	inches	62.99	70.87	15.55	CFM	1976	5928	7904	662	300	
		mm	1600	1800	395	CMH	3358	10073	13431			
7	PDHC-1800x200	inches	70.87	78.74	15.55	CFM	2500	7500	10000	851	386	
		mm	1800	2000	395	CMH	4248	12744	16992			
8	PDHC-2000x200	inches	78.74	86.61	15.55	CFM	3076	9228	12304	1032	468	
		mm	2000	2200	395	CMH	5227	15681	20907			
9	PDHC-2200x200	inches	86.61	96.46	17.72	CFM	3732	11196	14928	1158	525	
		mm	2200	2450	450	CMH	6342	19025	25366			
10	PDHC-2400x200	inches	94.49	104.33	17.72	CFM	4440	13320	17760	1636	742	
		mm	2400	2650	450	CMH	7545	22634	30178			
11	PDHC-2600x200	inches	102.36	112.20	17.72	CFM	5208	15624	20832	1921	871	
		mm	2600	2850	450	CMH	8850	26549	35398			
12	PDHC-2800x200	inches	110.24	120.08	17.72	CFM	6032	18096	24128	2156	978	
		mm	2800	3050	450	CMH	10250	30749	40999			
13	PDHC-3000x200	inches	118.11	127.95	17.72	CFM	6926	20778	27704	2377	1078	
		mm	3000	3250	450	CMH	11769	35307	47076			
14	PDHC-3200x200	inches	125.98	135.83	17.72	CFM	7886	23658	31544	2609	1183	
		mm	3200	3450	450	CMH	13400	40201	53601			
15	PDHC-3400x200	inches	133.86	143.70	17.72	CFM	8880	26640	35520	2851	1293	
		mm	3400	3650	450	CMH	15089	45268	60357			
16	PDHC-3600x200	inches	141.73	151.57	17.72	CFM	9960	29880	39840	3248	1473	
		mm	3600	3850	450	CMH	16924	50773	67698			
17	PDHC-3800x200	inches	149.61	159.45	17.72	CFM	11086	33258	44344	3519	1596	
		mm	3800	4050	450	CMH	18838	56513	75351			
18	PDHC-4000x200	inches	157.48	167.32	17.72	CFM	12286	36858	49144	3757	1704	
		mm	4000	4250	450	CMH	20877	62630	83507			
19	PDHC-4200x200	inches	165.35	175.20	17.72	CFM	13586	40758	54344	4013	1820	
		mm	4200	4450	450	CMH	23086	69257	92343			

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