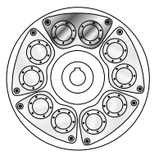
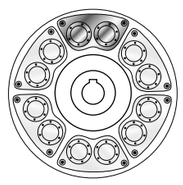
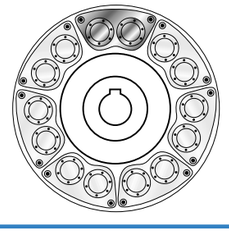
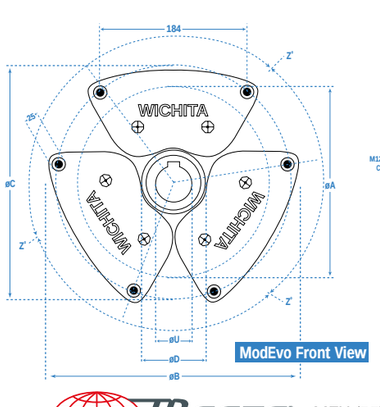
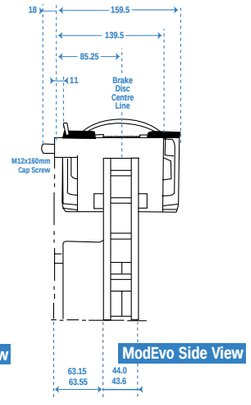
Performance Charts

ModEvo	MODEL	Torque Nm				Heat capacity for effective cooling speeds: kW							Max Speed	Inertia (J) kgm²	Weight kg	
		Min [1]	Max @ 6 bar													
	ModEvo	0.2 bar	LC [2]	Std[3]	HC [4]	50rpm	100rpm	200rpm	300rpm	400rpm	500 rpm	600 rpm	rpm [5]	rotating parts	total	rotating
	250/1	5	85	149	171	No Fan							2250	0.060	12.4	8.7
	250/2	10 (5)	170	298	342	1.2	1.4	1.9	2.4	2.7	3.0	3.2			13.2	
	250/4	20 (5)	340	596	684	With Electric cooling fan									17.6	
	250/6	30 (5)	510	894	1026	3.4	3.5	3.8	4.0	4.0	4.0	4.0			22.1	
	300/1	6	108	189	215								1900	0.125	17.3	13.6
	300/2	14 (7)	216	378	430	No Fan									18.1	
	300/4	28 (7)	432	756	860	2.1	2.4	3.0	3.5	4.0	4.5	5.0			22.5	
	300/6	42 (7)	648	1134	1290	With Electric cooling fan									27.0	
	300/8	56 (7)	864	1512	1720	5.0	5.0	5.0	5.0	5.5	6.0	6.0			31.5	
	350/2	16 (8)	260	456	521								1650	0.23	24.8	20.3
	350/4	32 (8)	520	912	1042	No Fan									29.2	
	350/6	48 (8)	780	1368	1563	2.8	3.1	4.2	4.8	5.5	6.6	7.2			33.7	
	350/8	64 (8)	1040	1824	2084	With Electric cooling fan									38.2	
	350/10	80 (8)	1300	2280	2605	5.8	6.3	6.5	6.5	6.5	6.5	6.5			42.7	
	400/2	20 (10)	305	534	611								1450	0.4	31.3	26.8
	400/4	40 (10)	610	1068	1222	No Fan									35.7	
	400/6	60 (10)	915	1602	1833	3.2	3.8	5.4	6.0	6.8	7.8	8.4			40.2	
	400/8	80 (10)	1220	2136	2444	With Electric cooling fan									44.7	
	400/10	100 (10)	1525	2670	3055	7.5	8.3	8.7	9.3	10.0	10.0	10.0			49.2	
	400/12	120 (10)	1830	3204	3666										53.6	
	450/2	21 (11)	352	616	705								1250	0.61	37.5	33
	450/4	42 (11)	704	1232	1410	No Fan									41.9	
	450/6	63 (11)	1056	1848	2115	3.4	4.3	6.1	7.0	7.8	9.2	10.0			46.4	
	450/8	84 (11)	1408	2464	2820	With Electric cooling fan									50.9	
	450/10	105 (11)	1760	3080	3525										55.4	
	450/12	126 (11)	2112	3696	4230	8.5	9.5	10.0	10.8	11.6	12.5	13.3			59.8	
	450/14	147 (11)	2464	4312	4935										64.3	

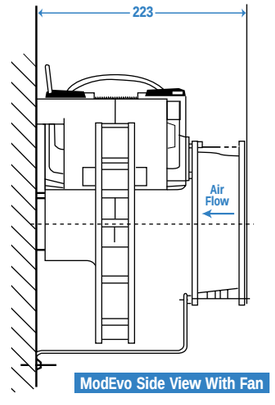
Dimensions



ModEvo Front View



ModEvo Side View



ModEvo Side View With Fan

ModEvo Dimensions Table					
øA - Disc Size	250	300	350	400	450
øB - Overall	324	369	415	461	508
øC - Bolt P.C.D	298.5	343.5	389	435.5	482.5
øD - Clearance Dia.	90	140	190	240	290
U - As cast bore Max. Bore	SOLID 55	SOLID 79	25 117	25 136	25 154
Z" - Angular Position	120°	90°	72°	60°	51.4°
Maximum No. of Brake Modules	3	4	5	6	7
Wichita. Generic Drawing No.	73125-000	73130-000	73135-000	73141-000	73145-000

[1] Min torque listed is with standard friction coefficient. Values in (brackets) are with a single actuator.
For LC Low Coefficient multiply Min torque by 0.6 and for HC High Coefficient multiply by 1.15

[2] LC - Low Coefficient based on 0.2 Coefficient of friction

[3] Std - Standard based on 0.35 Coefficient of friction

[4] HC - High Coefficient based on 0.4 Coefficient of friction

[5] Max speed is with standard brake disc. A high speed brake disc capable of 50% higher speed is also available.

All torque values are obtained based on Wichita's new ModEvo Rolling Diaphragm Actuators. Smaller area (60% and 25%) Rolling Diaphragm actuators are also available for lower torque requirements.

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