

# CL5 SERIES SPECIFICATIONS

## Disc Coupling



MODEL	RATED TORQUE		MAX TORQUE		MAX SPEED	MOMENT OF INERTIA (KG·M <sup>2</sup> )		STATIC TORSIONAL STIFFNESS (Nm/RAD)		ERRORS OF ECCENTRICITY (MM)		ERRORS OF SHAFT ANGULARITY (°)		ERRORS OF SHAFT ENDPLAY (MM)		MASS (G)	
	LB-IN	Nm	LB-IN	Nm	RPM	SINGLE DISC	DOUBLE DISC	SINGLE DISC	DOUBLE DISC	DOUBLE DISC	DOUBLE DISC	SINGLE DISC	DOUBLE DISC	SINGLE DISC	DOUBLE DISC	SINGLE DISC	DOUBLE DISC
CL5-C12	2.21	0.25	4.43	0.50	10,000	5.9x10 <sup>-8</sup>	7.67x10 <sup>-8</sup>	266	133	0.01	0.03	0.5	1	± 0.04	± 0.08	3	3.7
CL5-C15	5.31	0.60	10.62	1.20	10,000	2.6x10 <sup>-7</sup>	3.45x10 <sup>-7</sup>	395	196	0.02	0.04	0.5	1	± 0.05	± 0.10	6	7
CL5-C16	5.31	0.60	10.62	1.20	10,000	2.63x10 <sup>-7</sup>	3.58x10 <sup>-7</sup>	510	255	0.02	0.05	0.5	1	± 0.05	± 0.10	7	10
CL5-C19	8.85	1.00	17.70	2.00	10,000	6.33x10 <sup>-7</sup>	9.1x10 <sup>-7</sup>	1,400	700	0.02	0.11	1	2	± 0.1	± 0.2	12	17
CL5-C26	17.70	2.00	35.40	4.00	10,000	2.61x10 <sup>-6</sup>	3.61x10 <sup>-6</sup>	3,700	1,850	0.02	0.15	1	2	± 0.15	± 0.33	27	37
CL5-27	19.47	2.20	38.94	4.40	10,000	2.8X10 <sup>-6</sup>	4.4X10 <sup>-6</sup>	3,900	2,200	0.02	0.15	1	2	± 1.5	± 0.33	30	40
CL5-30	35.40	4.00	70.81	8.00	10,000	4.09X10 <sup>-6</sup>	6.18X10 <sup>-6</sup>	5,700	2,850	0.02	0.16	1	2	± 0.2	± 0.38	34	46
CL5-C34S	44.25	5.00	88.51	10.00	10,000	8.55x10 <sup>-6</sup>	1.19x10 <sup>-5</sup>	8,100	4,050	0.02	0.18	1	2	± 0.2	± 0.4	54	72
CL5-C34	44.25	5.00	88.51	10.00	10,000	9.62x10 <sup>-6</sup>	1.33x10 <sup>-5</sup>	8,100	4,050	0.02	0.18	1	2	± 0.2	± 0.4	58	80
CL5-C39	88.51	10.00	177.01	20.00	10,000	2.68x10 <sup>-5</sup>	2.58x10 <sup>-5</sup>	18,000	9,000	0.02	0.24	1	2	± 0.25	± 0.5	82	118
CL5-C44	106.21	12.00	212.42	24.00	10,000	2.48x10 <sup>-5</sup>	4.23x10 <sup>-5</sup>	20,000	10,000	0.02	0.24	1	2	± 0.3	± 0.6	102	150
CL5-C50	132.75	15.00	265.52	30.00	10,000	4.75x10 <sup>-5</sup>	8.18x10 <sup>-5</sup>	32,000	16,000	0.02	0.26	1	2	± 0.4	± 0.7	157	222
CL5-C56	221.27	25.00	442.54	50.00	10,000	8.86x10 <sup>-5</sup>	1.41x10 <sup>-4</sup>	50,000	25,000	0.02	0.28	1	2	± 0.4	± 0.8	219	307
CL5-C62	354.03	40.00	708.06	80.00	10,000	1.53x10 <sup>-4</sup>	2.52x10 <sup>-4</sup>	60,000	30,000	0.02	0.31	1	2	± 0.42	± 0.84	309	431
CL5-C68	531.04	60.00	1,062.09	120.00	10,000	2.12x10 <sup>-4</sup>	3.57x10 <sup>-4</sup>	70,000	35,000	0.02	0.34	1	2	± 0.45	± 0.9	356	499
CL5-C82	885.07	100.00	1,770.15	200.00	10,000	5.65x10 <sup>-4</sup>	1.0210 <sup>-3</sup>	90,000	45,000	0.02	0.52	1	2	± 0.55	± 1.1	651	1,004
CL5-C94	1,593.13	180.00	3,186.27	360.00	10,000	1.0x10 <sup>-3</sup>	1.79x10 <sup>-3</sup>	100,000	50,000	0.02	0.52	1	2	± 0.65	± 1.3	982	1,400
CL5-C104	2,212.69	250.00	4,425.37	500.00	10,000	1.45x10 <sup>-3</sup>	2.76x10 <sup>-3</sup>	120,000	60,000	0.02	0.55	1	2	± 0.75	± 1.5	1,209	1,765

(1) Moment of inertia and weight are based on the maximum size bores. (2) The maximum speed does not consider dynamic balance.