

Servomotors

Synchronous servomotors



CM series

Type	Rated speed [rpm]	M_o [Nm]	M_{pk} [Nm]	Moment of inertia [kgcm ²]	
				J_{mot} [Nm]	J_{bmot} [Nm]
CM71S	2000 / 3000 / 4500 / 6000	5	16.5	4.99	6.72
CM71M	2000 / 3000 / 4500 / 6000	6.5	21.5	6.4	8.13
CM71L	2000 / 3000 / 4500 / 6000	9.5	31.4	9.21	10.94
CM90S	2000 / 3000 / 4500 / 6000	11	39.6	18.2	22
CM90M	2000 / 3000 / 4500 / 6000	14.5	52.2	23.4	27.2
CM90L	2000 / 3000 / 4500 / 6000	21	75.6	33.7	37.5
CM112S	2000 / 3000 / 4500	23.5	82.3	68.9	84.2
CM112M	2000 / 3000 / 4500	31	108.5	88.9	104.2
CM112L	2000 / 3000 / 4500	45	157.5	128.8	144.1
CM112H	2000 / 3000 / 4500	68	238	188.7	204

Servomotors

Synchronous servomotors



CMDV series

Features	
	– Particularly short length – Suited as direct drive – Ideal for applications with extremely limited installation space and for directly driven servo applications – Innovative design with state-of-the-art winding and magnet technology – Convection-cooled variant without housing – Standstill torques from 0.25 Nm to 32.0 Nm – Up to six times the overload capacity – Motors equipped with thermal motor protection and resolver feedback as standard – Optional: Scalable HIPERFACE® encoder with electronic nameplate and 24 V holding brake

Servomotors

Synchronous servomotors

Type	Rated speed [rpm]	M_0 [Nm]	M_{pK} [Nm]	J [kgcm ²]	n_{max} [rpm]
CMDV 55S	4500	0.25	1.2	0.09	8000
CMDV 55M	4500	0.45	2.3	0.15	8000
CMDV 55L	4500	0.9	6.0	0.27	8000
CMDV 70S	1200 / 3000	0.7	2.8	0.26	6000
CMDV 70M	1200 / 3000	1.1	5.3	0.45	6000
CMDV 70L	1200 / 3000	2.0	11.4	0.83	6000
CMDV 93K	800 / 1200 / 3000	1.5	4.4	0.73	4000
CMDV 93S	800 / 1200 / 3000	2.5	10.3	1.35	4000
CMDV 93M	800 / 1200 / 3000	4.2	22.0	2.55	4000
CMDV 93L	800 / 1200 / 3000	6.5	38.0	3.74	4000
CMDV 138K	600 / 1200 / 2000	4.0	8.1	4.10	2500
CMDV 138S	600 / 1200 / 2000	8.8	19.0	7.09	2500
CMDV 138M	600 / 1200 / 2000	15.7	49.0	12.85	2500
CMDV 138L	600 / 1200 / 2000	20.2	70.0	18.61	2500
CMDV 162K	400 / 800 / 1200	6.0	11.0	7.50	1800
CMDV 162S	400 / 800 / 1200	13.5	28.0	12.90	1800
CMDV 162M	400 / 800 / 1200	24.0	63.0	23.60	1800
CMDV 162L	400 / 800 / 1200	32.0	104.0	34.60	1800

n_{max} = Maximum speed