

MS2N SERVO MOTORS

The MS2N servo motors are designed for high performance: They are characterized by more power per area as well as highest energy efficiency – and this with compact dimensions. Thus, the servo motors in all motor sizes have high torques and an improved S1 torque at higher speeds. The continuous power can be further increased by optional forced ventilation or water cooling. The servo motors also have up to five times the overload capacity, which goes hand in hand with very low torque ripple. The field weakening mode which is available in conjunction with ctrlX DRIVE increases the useful torque-speed range beyond the voltage limit.

You can find more information at: www.ctrlx-automation.com/ctrlx-drive

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Technical data

Type	Unit	MS2N03	MS2N04	MS2N05	MS2N06
Sizes		A. B. C	B. C. D	B. C. D	C. D. E
Max. torque M_{max}	Nm	3.75 - 7.4	6.4 - 19.7	11.5 - 34.0	10.2 - 53.4
M_{0_100K} self cooling	Nm	0.9 - 1.45	2.15 - 4.65	4.45 - 9.35	3.6 - 16.3
M_{0_100K} forced ventilation	Nm	–	–	–	–
M_{0_100K} water cooling	Nm	–	–	–	–
Flange size	mm	58	82	98	116
Centring collar	mm	40	50	95	95
Shaft diameter	mm	9/11	14	19	24

Type	Unit	MS2N07	MS2N10	MS2N13
Sizes		C, D, E	B, C, D, E, F, R	B, C, D, E
Max. torque M_{max}	Nm	22.8 - 140.0	41.3 - 360.0	322.0 - 692.0
M_{0_100K} self cooling	Nm	8.2 - 38.2	16.7 - 103.0	–
M_{0_100K} forced ventilation	Nm	16.3 - 49.5	40.0 - 148.5	160.0 - 300.0
M_{0_100K} water cooling	Nm	25.0 - 83.0	48.0 - 214.0	168.0 - 345.0
Flange size	mm	140	196	260
Centring collar	mm	130	180	250
Shaft diameter	mm	32	38	48

