

Rexroth IndraDrive Mi The ultra-compact drive system

Compact, versatile and cost-effective



IndraDrive Mi – top performance in an ultra-compact package

Rexroth's IndraDrive Mi is a milestone in drive engineering, combining control electronics and servo motor in one ultra-compact unit.

IndraDrive Mi is the ideal solution for all applications where versatility and cost-efficiency are key design criteria and space is narrow limited.

The servo motor casing acts as a heat sink for the compact control electronics of the IndraDrive Mi. This reduces overall size by more than 50% compared to conventional servo solutions. A single cable is sufficient for power supply and communication via SERCOS 2.

Up to 20 IndraDrive Mi can be flexibly connected in series in one drive chain – without any need for modifications in the control cabinet and additional distribution boxes. If required, several drive chains can be operated in parallel at one supply unit.

Technical features

- 4 sizes with maximum torques of 9.4 to 35 Nm
- complete, scalable drive program
- compatible with the IndraDrive drive family
- integrated Motion-Logic acc. to IEC 61131-3
- Hiperface® Single and Multiturn absolute encoder
- holding brake with integrated control (optional)
- U_L certified

Your benefits

- significant reduction of cabinet size by up to 70%
- drastig reduction of wiring work by up to 85%
- significant increase of flexibility and modularity of machines and plants



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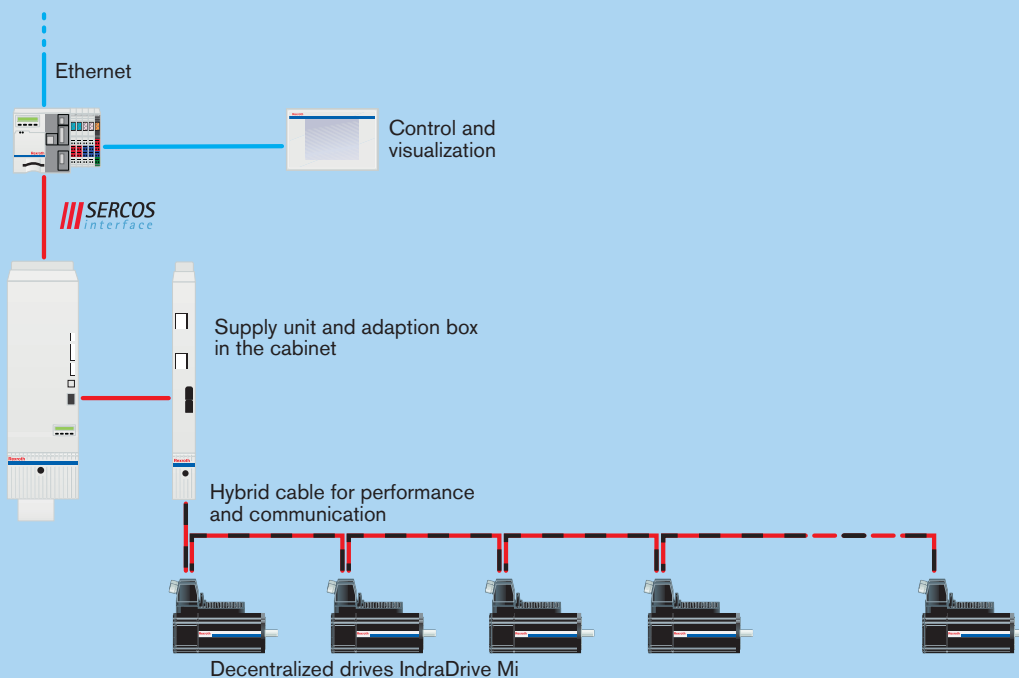
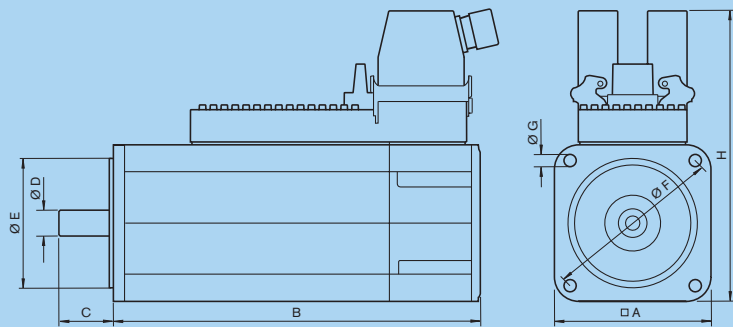
IndraDrive Mi has received several prizes

Technical Data

Servo drive	Maximum speed ¹⁾	Continuous torque at standstill	Maximum torque	Continuous current at standstill	Maximum current	Moment of inertia	Dimensions								Mass ²⁾	
		M_0 [Nm]	M_{Max} [Nm]	I_0 [A]	I_{Max} [A]	J_R [kgm ²]	A [mm]	B [mm]	C [mm]	Ø D [mm]	Ø E [mm]	Ø F [mm]	Ø G [mm]	H [mm]	m [kg]	
KSM01.2B-041	C-42	5,500	2.2	9.4	1.4	6.8	0.000170	82	252	30	14	50	95	6.6	201	5.5/6.0
KSM01.2B-061	C-35	4,300	6.0	25.0	3.3	14.9	0.000870	115	271	40	19	95	130	9.0	216	9.5/10.3
	C-61	6,000	5.5	18.0	5.0	17.7										
KSM01.2B-071	C-24	3,400	10.5	35.0	4.4	17.7	0.001730	140	307	58	32	130	165	11.0	248	14.0/15.1
	C-35	4,700	10.0	28.0	5.7	17.7										
KSM01.2B-076	C-35	4,700	8.7	29.0	5.7	17.7	0.004300	140	290	50	24	110	165	11.0	248	14.5/15.6

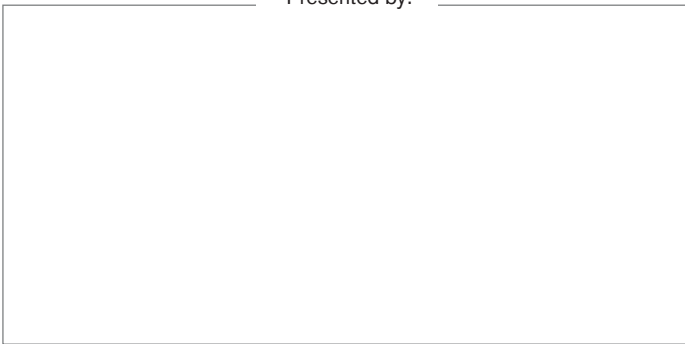
¹⁾ at 750 V DC link voltage

²⁾ Values without/with holding brake



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Presented by:



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