

Motor-integrated drive system

Distributed servo drive IndraDrive Mi - KSM



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Distributed servo drive ■ IndraDrive Mi - KSM**Documentation**

With KSM the motor-integrated drive series of IndraDrive Mi, Rexroth introduces another milestone in drive technology – electronic control system and servo motor combined in one ultra-compact unit.

This makes IndraDrive Mi the ideal solution for all applications where maximum flexibility and economic efficiency should come along with minimum space requirements.

In addition to its compact design, KSM combines the best characteristics of an IndraDrive and MSK servo motor – from the drive-integrated PLC according to IEC 61131-3 up to protection category IP65.

Technical data**Electric data**

Type	Maximum speed	Continuous torque at standstill	Maximum torque	Continuous current at standstill	Maximum current	Moment of inertia
	n_{Max} [1/min]	M_0 [Nm]	M_{Max} [Nm]	I_0 [A]	I_{Max} [A]	J [kgm ²]
KSM01.2B-041C-42	5500	2.2	9.4	1.5	6.8	0.00017
KSM01.2B-061C-35	4300	6	25	3.3	14.9	
KSM01.2B-061C-61	6000	5.5	18	5.2	17.7	0.00087
KSM01.2B-071C-24	3400	10.5	35	4.6		
KSM01.2B-071C-35	4700	10	28	6		0.00173
KSM01.2B-076C-35		8.7	29	5.2	0.0043	

Dimensions

Type	A	B	C	Ø D	Ø E	Ø F	Ø G	H	Weight
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
KSM01.2B-041C-42	82	252	30	14	50	95	6.6	201	5.5

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Type	A	B	C	Ø D	Ø E	Ø F	Ø G	H	Weight
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
KSM01.2B-061C-35	115	271	40	19	95	130	9	216	9.5
KSM01.2B-061C-61									
KSM01.2B-071C-24	140	307	58	32	130	165	11	248	14
KSM01.2B-071C-35									14.5
KSM01.2B-076C-35									290

Components**Servo Drives**

Description	Page	Details
Converters	IndraDrive C	HCS02
Converters	IndraDrive C	HCS03
Modular inverters	Power supplies	IndraDrive M - HMV
Motor-integrated drive system	Distributed drive controller	IndraDrive Mi - KMS
Motor-integrated drive system	Electronic control system	IndraDrive Mi - KCU