

Motors and gearboxes

Synchronous high-speed motors

IndraDyn H for high speeds with integrated cooling



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High dynamics and precision

- Maximum torques up to 4,500 Nm
- Maximum speeds up to 22,500 rpm
- Wide constant output power range
- Integrated cooling system
- Easy integration into the machine

The liquid-cooled high-speed IndraDyn H kit motors achieve maximum torques of up to 4,500 Nm with speeds of up to 22,500 rpm. With their broad constant output power range, short ramp-up time and low rotor temperature they are predestined for motor spindles and other similar areas of application.

The new onboard cooling system simplifies their integration in the machine and increases their cooling efficiency. For extra easy assembly and disassembly we can supply the rotor on request with a step interference fit and a hydraulically separable version.

Technical data

Technical data are currently under revision.

Dimensions

Type	Ø A	B	Ø C	Earth
	[mm]	[mm]	[mm]	Stator [kg]
MSS102B-0800	120	156	46	5.8
MSS102D-0800		206		7.2
MSS102F-0300		306		11.2
MSS102F-0800				
MSS142B-0700	160	181	58	9.6
MSS142D-0700		231		16
MSS142F-0700		281		21
MSS162B-0400	180	206	68	22
MSS162D-0400		256		28.1
MSS162F-0310		306		28.2
MSS162J-0200		381		46.1

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Type	Ø A	B	Ø C	Earth		
	[mm]	[mm]	[mm]	Stator [kg]		
MSS182A-0100	200	82	85	6.9		
MSS182A-0250		232		32.1		
MSS182B-0280					282	38.9
MSS182D-0260						
MSS182F-0200					215	25
MSS202A-0200	220	265	96	40.7		
MSS202B-0150		315		37.6		
MSS202B-0210					415	63.7
MSS202D-0170						
MSS202D-0360					275	92.3
MSS202F-0120	270	375	110	105.1		
MSS242B-0100		425		135		
MSS242D-0070					90.4	
MSS242F-0060	300	330	170	112.3		
MSS272B-0065		405		134.2		
MSS272B-0080					465	128.7
MSS272D-0050						
MSS272F-0040	340	380	240	179.5		
MSS312B-0035		455		215		
MSS312D-0028					530	25
MSS312D-0060						
MSS312F-0028					430	242.7
MSS312H-0025	530	262				
MSS312H-0085			630	59		
MSS382B-0025	405	430	345	178.5		
MSS382D-0020		530		242.7		
MSS382F-0018					630	262
MSS482A-0200	510	115	345	59		

Stator/rotor weight with the largest internal rotor diameter

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The data specified above only serve to describe the product. As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification.

It must be remembered that our products are subject to a natural process of wear and aging.