



KeDrive DMS2 Synchronous Motors



KEBA®

Automation by innovation.

KeDrive DMS2

Synchronous Motors

The synchronous servomotors are suitable for almost all servo applications in automation.

The high torque density permits a particularly compact design with maximum torques up to 345 Nm. Everything from analogue encoder through to modern, digital safety encoder are available, depending on the requirements for precision and safety technology. With the high-resolution Hiperface DSL encoders safe high-performance applications can be realized with just one cable.

The digital encoders are available both in single-turn and in multi-turn versions. The electronic nameplate with parameter memory permits problem-free commissioning of the drive system. The motors attain protection rating IP65 as standard thanks to being fitting with a shaft sealing ring.





KeDrive – Overview

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KeDrive DMS2

Synchronous Motors

Overview

- Maximum reliability
- High overload capacity
- Low torque ripple
- One common cable for power supply and encoder signal



Brief description

The KEBA servomotors of the series DMS2 fulfill the highest standards of accuracy and of smooth running and are characterized particularly by a wide power spectrum and a wide speed range. The fine graduation of torque and speed over 7 flange sizes allows optimum motor dimensioning for each application. The high torque density makes the motor compact and dynamic.

The moments of inertia are adapted especially for robotics and motion applications and therefore allow an optimal control mode, especially for linked axes.

Depending on the application, the motors can be customized in a variety of possible options specifically to the respective needs. Depending on the required positioning accuracy the motors can be delivered with several encoder types. For encoders singleturn as well as multiturn versions are available.

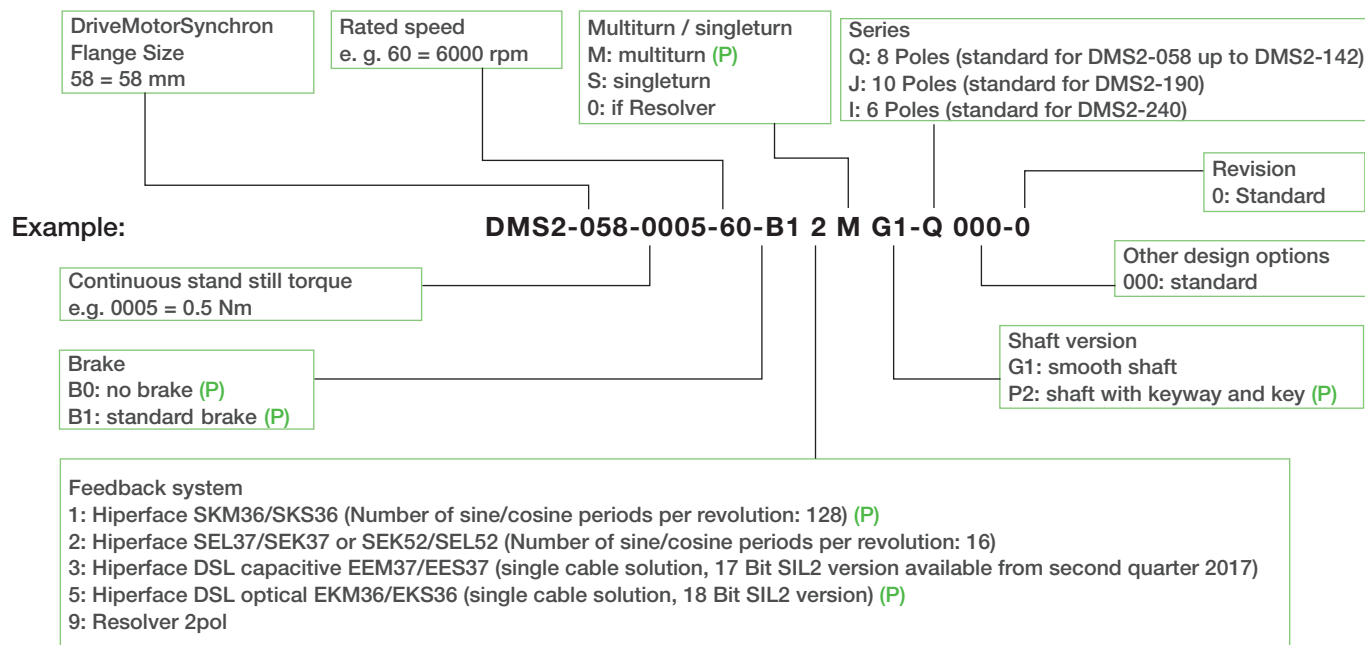
Preferred models

Very short delivery times are possible with a series of preferred models. These preferred models are selected types of motors with especially matched options like shown in the table below.

Motor	Brake	Feedback system	Multi/ single turn	Shaft version
DMS2-058-0007-60	B0 oder B1	1 oder 5	M	P2
DMS2-058-0012-60	B0 oder B1	1 oder 5	M	P2
DMS2-070-0024-60	B0 oder B1	1 oder 5	M	P2
DMS2-091-0035-30	B0 oder B1	1 oder 5	M	P2
DMS2-091-0035-60	B0 oder B1	1 oder 5	M	P2
DMS2-100-0100-30	B0 oder B1	1 oder 5	M	P2
DMS2-100-0060-60	B0 oder B1	1 oder 5	M	P2
DMS2-100-0100-60	B0 oder B1	1 oder 5	M	P2
DMS2-142-0200-30	B0 oder B1	1 oder 5	M	P2
DMS2-142-0260-30	B0 oder B1	1 oder 5	M	P2

Motors available as preferred models are specifically marked on the following pages: (P).

Type Code



Other available options: reinforced bearings, smaller plugs, different shaft designs, air ventilation, water cooling, ATEX etc.

Symbols and abbreviations

Symbol	Description
P_N	Output at rated speed
T_N	Rated torque
n_N	Rated speed
T_0	Stall torque
T_{max}	Peak torque
I_N	Rated current
I_0	Stall current
I_{max}	Peak current
J	Moment of inertia
L	Length
m	Weight

The length of the motors may vary according to the selected motor feedback (encoder, resolver, etc.).

KeDrive DMS2-058

Synchronous Motors

Flange Dimension 58 mm

	P_N W	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-058-0005-30	153.9	0.49	3000	0.50	2.0	0.34	0.34	1.64	0.13	119 (149)	1.2
DMS2-058-0007-30	229.3	0.73	3000	0.75	3.0	0.50	0.52	2.46	0.19	131 (161)	1.5
DMS2-058-0010-30	304.7	0.97	3000	1.00	4.0	0.67	0.69	3.28	0.25	143 (173)	1.7
DMS2-058-0012-30	380.1	1.21	3000	1.25	5.0	0.83	0.86	4.10	0.31	155 (185)	2.0
DMS2-058-0002-60	151	0.24	6000	0.25	1.0	0.33	0.34	1.65	0.07	107 (137)	1.0
DMS2-058-0005-60	295	0.47	6000	0.50	2.0	0.65	0.69	3.30	0.13	119 (149)	1.2
DMS2-058-0007-60 (P)	440	0.70	6000	0.75	3.0	0.96	1.03	4.95	0.19	131 (161)	1.5
DMS2-058-0010-60	584	0.93	6000	1.00	4.0	1.28	1.37	6.60	0.25	143 (173)	1.7
DMS2-058-0012-60 (P)	729	1.16	6000	1.25	5.0	1.59	1.72	8.25	0.31	155 (185)	2.0

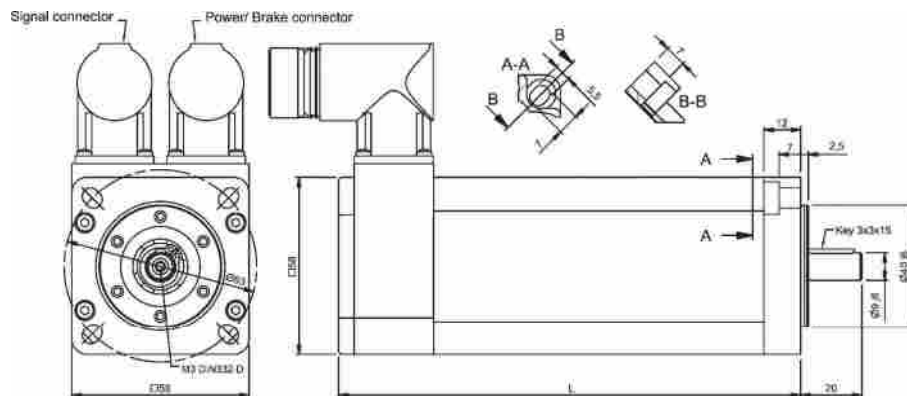
*) With brake the moment of inertia is higher by 0.12 kgcm²

**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

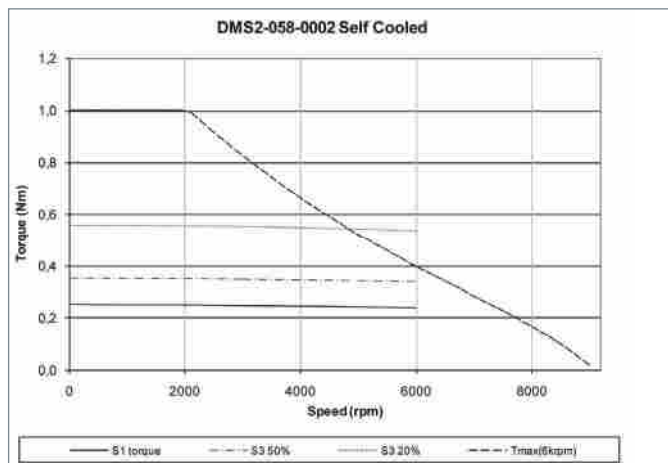
**) With brake approx. 0.5 kg more weight

(P) according to the selected option available as preferred model (-> p. 4)

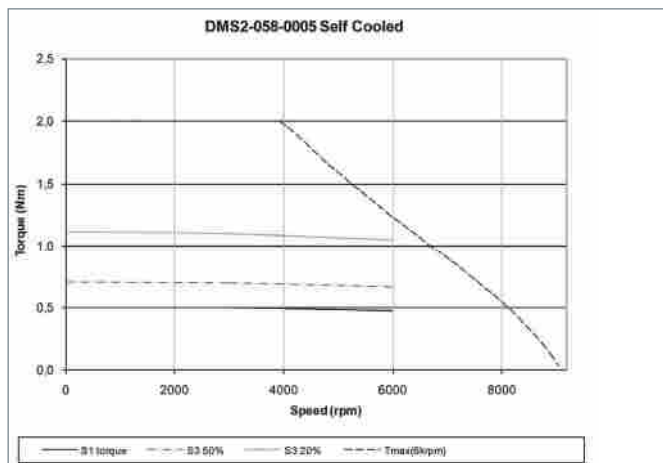
Dimensions DMS2-058



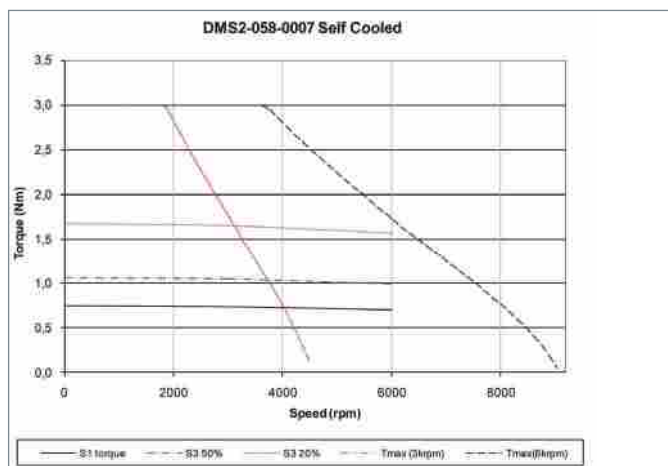
Motor characteristics DMS2-058-0002



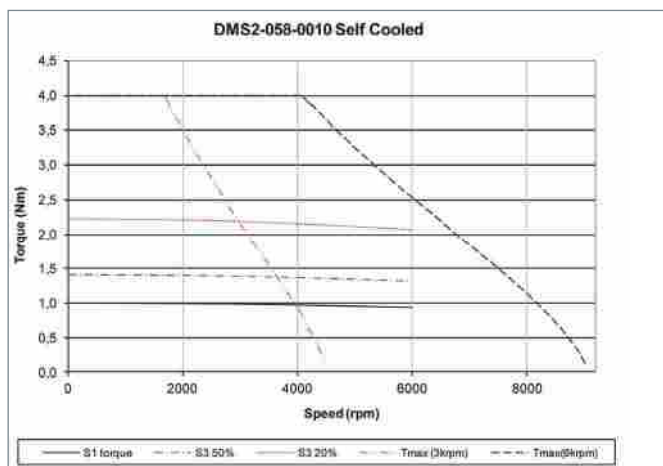
Motor characteristics DMS2-058-0005



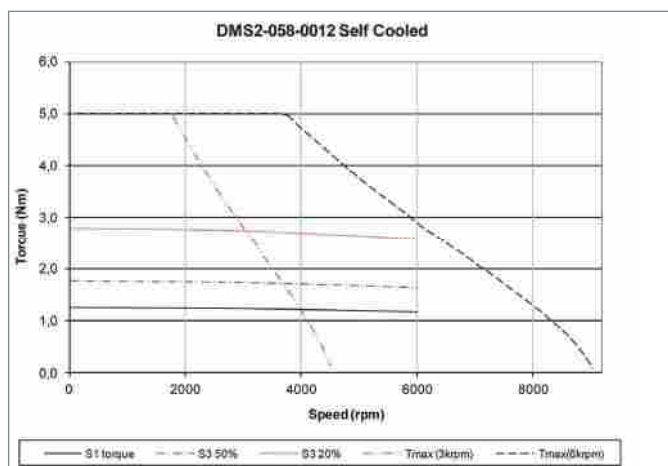
Motor characteristics DMS2-058-0007



Motor characteristics DMS2-058-0010



Motor characteristics DMS2-058-0012



KeDrive DMS2-070

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Flange Dimension 70 mm

	P_N W	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-070-0006-30	172.8	0.55	3000	0.6	2.1	0.4	0.4	1.8	0.25	123 (158)	2.0
DMS2-070-0012-30	345.6	1.10	3000	1.2	4.2	0.8	0.8	3.6	0.44	138 (173)	2.2
DMS2-070-0018-30	518.4	1.65	3000	1.8	6.3	1.1	1.2	5.4	0.63	153 (188)	2.6
DMS2-070-0024-30	691.2	2.20	3000	2.4	8.5	1.5	1.7	7.3	0.82	180 (211)	2.8
DMS2-070-0006-60	314.2	0.5	6000	0.6	2.1	0.7	0.8	3.6	0.25	123 (158)	2.0
DMS2-070-0012-60	628.0	1.0	6000	1.2	4.2	1.4	1.6	7.2	0.44	138 (173)	2.2
DMS2-070-0018-60	942.5	1.5	6000	1.8	6.3	2.1	2.5	10.8	0.63	153 (188)	2.6
DMS2-070-0024-60 (P)	1255	2.0	6000	2.4	8.5	2.7	3.3	14.7	0.82	180 (211)	2.8

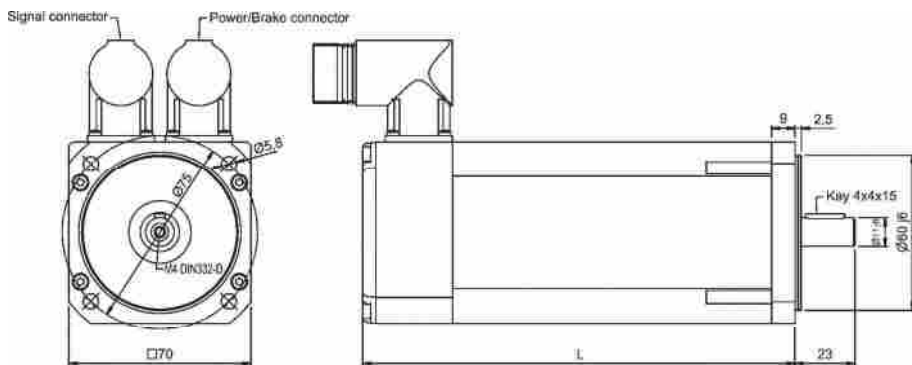
*) With brake the moment of inertia is higher by 0.38 kgcm²

**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

***) With brake approx. 0.6 kg more weight

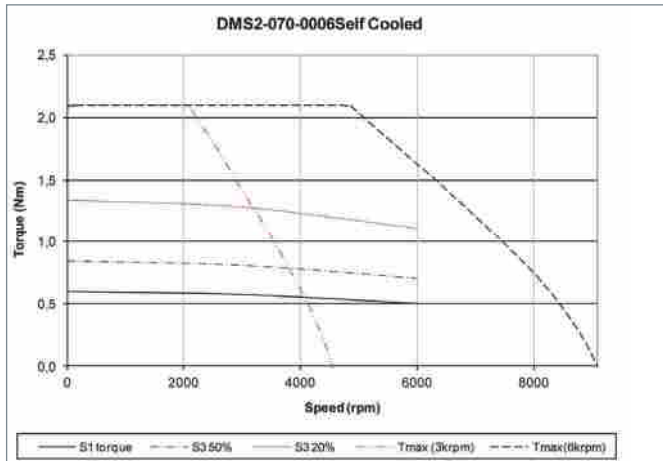
(P) according to the selected option available as preferred model (--> p. 4)

Dimensions DMS2-070

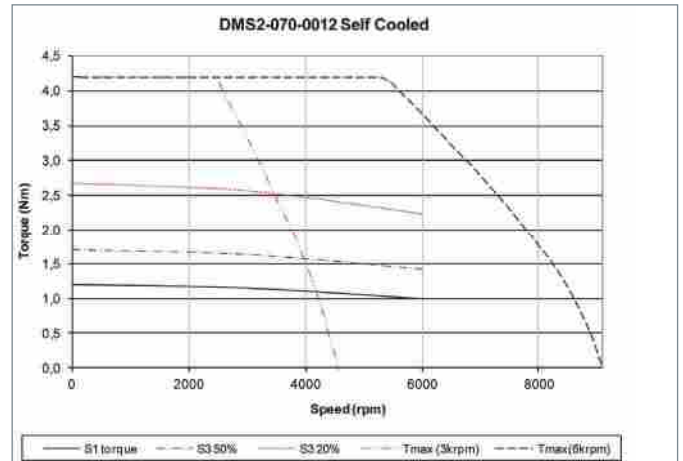


Motors of the type DMS2-070-0024 have 14 mm shaft diameter (instead of 11 mm)

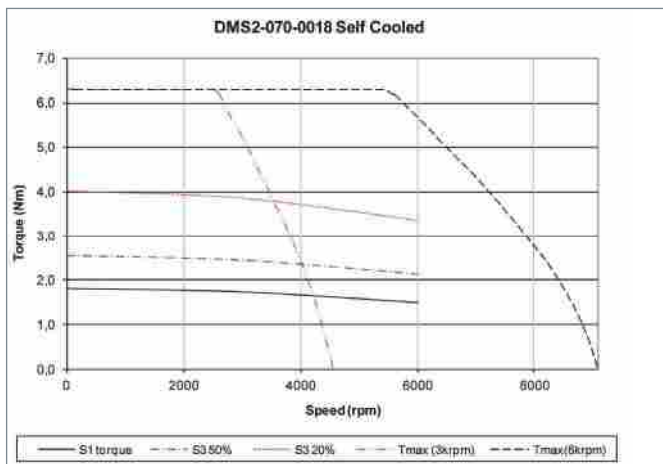
Motor characteristics DMS2-070-0006



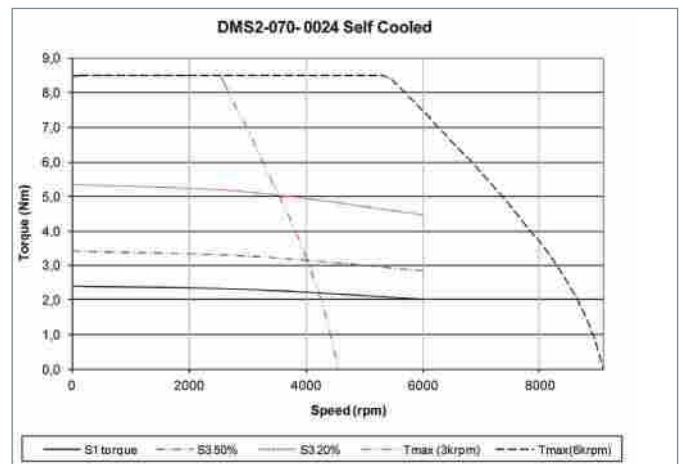
Motor characteristics DMS2-070-00012



Motor characteristics DMS2-070-00018



Motor characteristics DMS2-070-00024



KeDrive DMS2-091

Synchronous Motors

Flange Dimension 91 mm

	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-091-0013-30	0.4	1.3	3000	1.35	5	0.8	0.8	3.6	0.47	132 (167)	3.5
DMS2-091-0026-30	0.8	2.5	3000	2.6	10	1.5	1.6	7.1	0.88	154 (189)	4.4
DMS2-091-0035-30 (P)	1.0	3.1	3000	3.5	14	1.9	2.1	10.0	1.09	169 (204)	5.0
DMS2-091-0045-30	1.2	3.9	3000	4.5	18	2.4	2.8	12.7	1.40	189 (224)	5.8
DMS2-091-0013-60	0.6	1.0	6000	1.35	5	1.2	1.7	7.1	0.47	132 (167)	3.5
DMS2-091-0026-60	1.1	1.7	6000	2.6	10	2.1	3.2	14.3	0.88	154 (189)	4.4
DMS2-091-0035-60 (P)	1.3	2.0	6000	3.5	14	2.5	4.3	20.0	1.09	169 (204)	5.0
DMS2-091-0045-60	1.4	2.3	6000	4.5	18	2.8	5.6	25.4	1.40	189 (224)	5.8

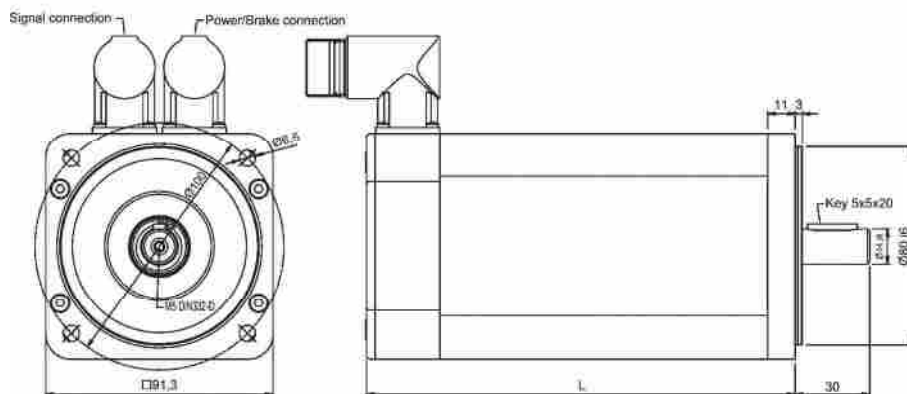
*) With brake the moment of inertia is higher by 0.38 kgcm²

**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

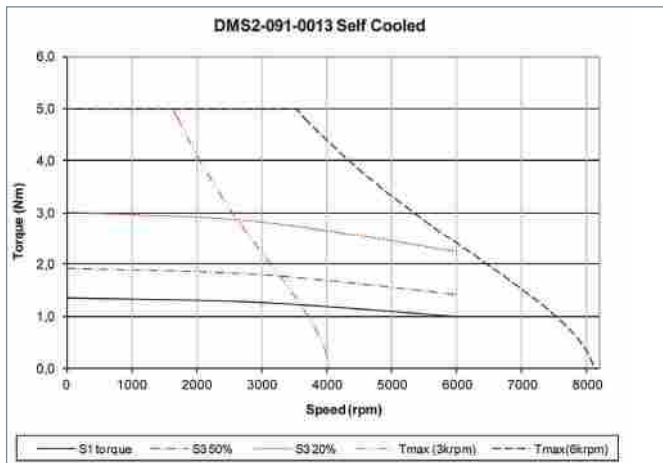
**) With brake approx. 0.6 kg more weight

(P) according to the selected option available as preferred model (--> p. 4)

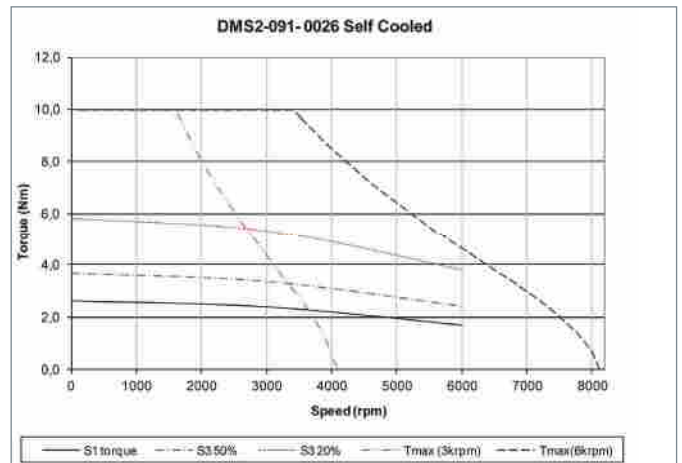
Dimensions DMS2-091



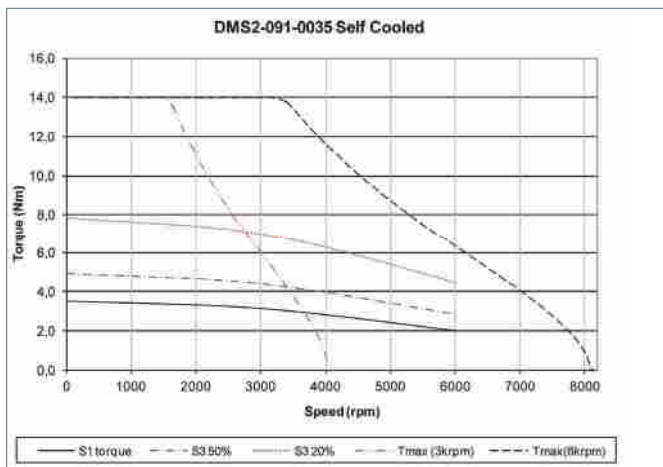
Motor characteristics DMS2-091-0013



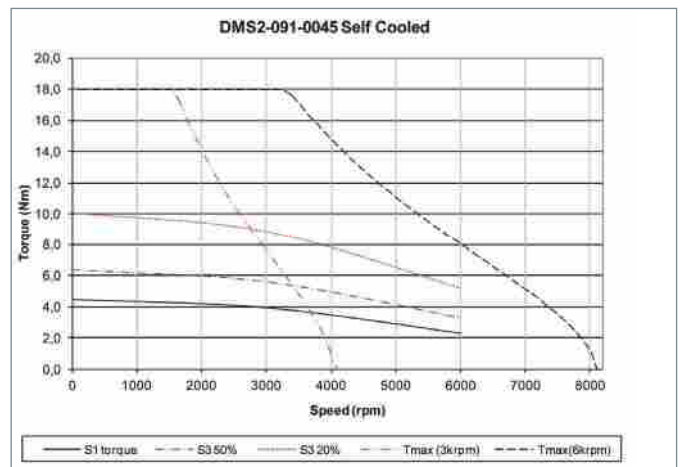
Motor characteristics DMS2-091-0026



Motor characteristics DMS2-091-0035



Motor characteristics DMS2-091-0045



KeDrive DMS2-100

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Flange Dimension 100 mm

	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A _{rms}	I_0 A _{rms}	I_{max} A _{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-100-0040-30	1.1	3.50	3000	4.0	12	2.1	2.5	11.6	1.87	161 (193)	4.7
DMS2-100-0060-30	1.6	5.25	3000	6.0	18	3.2	3.7	17.4	2.67	181 (213)	5.3
DMS2-100-0080-30	2.4	7.50	3000	8.0	24	4.6	4.9	23.2	3.47	205 (237)	6.2
DMS2-100-0100-30 (P)	2.7	8.75	3000	10.0	30	5.4	6.1	29.0	4.27	225 (257)	7.2
DMS2-100-0040-45	1.5	3.10	4500	4.0	12	2.8	3.7	17.3	1.87	161 (193)	4.7
DMS2-100-0060-45	2.2	4.65	4500	6.0	18	4.3	5.5	26.0	2.67	181 (213)	5.3
DMS2-100-0080-45	2.9	6.20	4500	8.0	24	5.7	7.4	34.6	3.47	205 (237)	6.2
DMS2-100-0100-45	3.6	7.70	4500	10.0	30	7.1	9.2	43.3	4.27	225 (257)	7.2
DMS2-100-0040-60	1.5	2.40	6000	4.0	12	2.9	4.9	23.2	1.87	161 (193)	4.7
DMS2-100-0060-60 (P)	2.3	3.60	6000	6.0	18	4.4	7.4	34.8	2.67	181 (213)	5.3
DMS2-100-0080-60	3.0	4.80	6000	8.0	24	5.9	9.8	46.4	3.47	205 (237)	6.2
DMS2-100-0100-60 (P)	3.8	6.00	6000	10.0	30	7.4	12.3	58.0	4.27	225 (257)	7.2

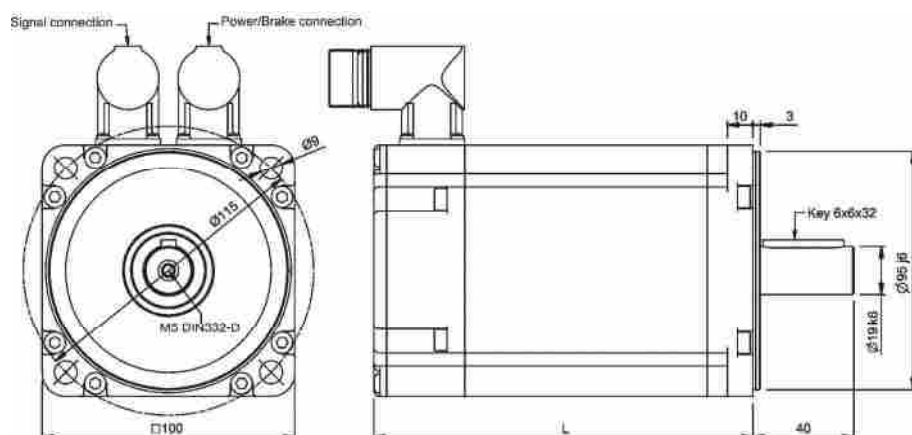
*) With brake the moment of inertia is higher by 0.54 kgcm²

**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

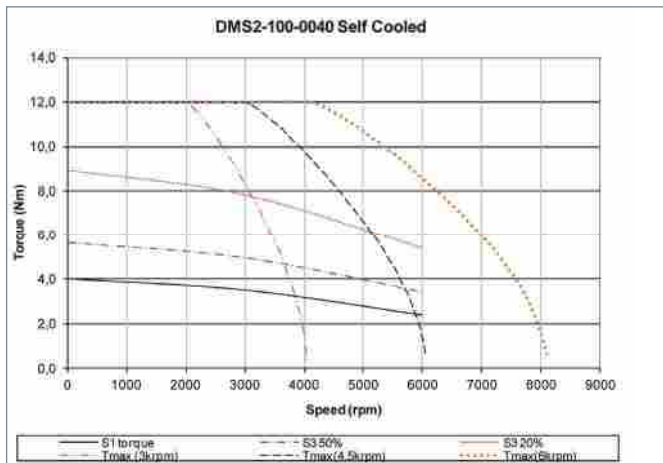
***) With brake approx. 0.6 kg more weight

(P) according to the selected option available as preferred model (--> p. 4)

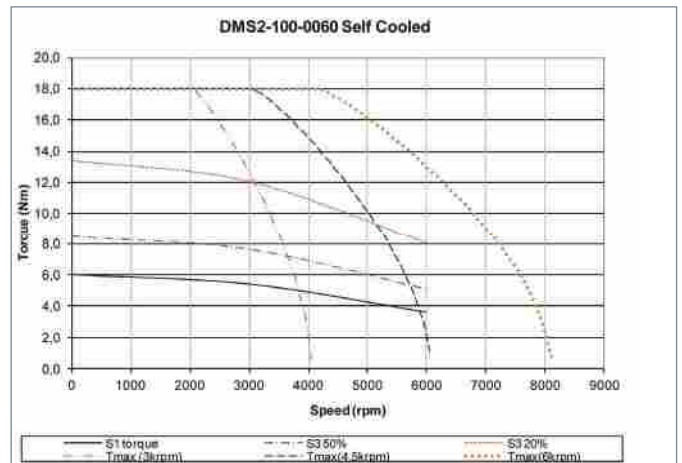
Dimensions DMS2-100



Motor characteristics DMS2-100-0040



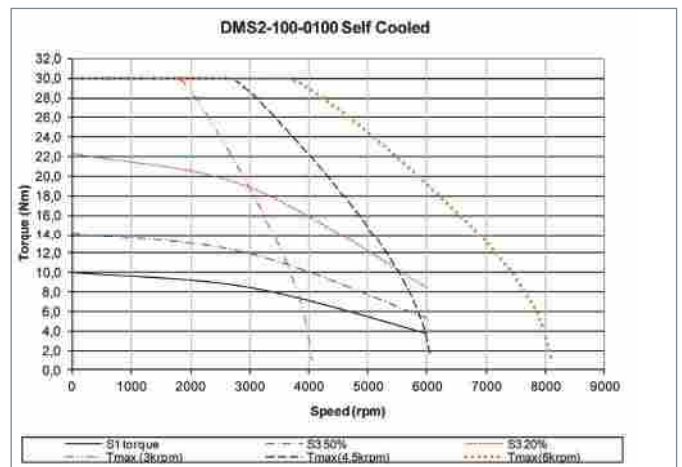
Motor characteristics DMS2-100-0060



Motor characteristics DMS2-100-0080



Motor characteristics DMS2-100-0100



KeDrive DMS2-142

Synchronous Motors

Flange Dimension 142 mm (4.5 Nm – 26 Nm)

	P _N kW	T _N Nm	n _N rpm	T ₀ Nm	T _{max} Nm	I _N A _{rms}	I ₀ A _{rms}	I _{max} A _{rms}	J ^{*)} kgcm ²	L ^{**)} mm	m ^{***)} kg
DMS2-142-0045-20	0.9	4.2	2000	4.5	13.8	1.7	1.8	6.6	3.6	159 (194)	7.5
DMS2-142-0090-20	1.7	8.1	2000	9.0	27.6	3.3	3.7	13.1	6.0	184 (219)	9.5
DMS2-142-0125-20	2.5	11.8	2000	12.5	41.4	4.8	5.1	19.7	8.2	209 (239)	11.5
DMS2-142-0160-20	3.2	15.1	2000	16.0	55.2	6.2	6.6	26.2	10.7	234 (264)	13.5
DMS2-142-0200-20	3.9	18.5	2000	20.0	69.0	7.6	8.2	32.7	13.1	259 (284)	15.5
DMS2-142-0260-20	4.7	22.4	2000	26.0	96.6	9.2	10.6	45.9	18.4	309 (329)	19.5
DMS2-142-0045-30	1.3	4.0	3000	4.5	13.8	2.5	2.8	9.8	3.6	159 (194)	7.5
DMS2-142-0090-30	2.4	7.7	3000	9.0	27.6	4.7	5.5	19.7	6.0	184 (219)	9.5
DMS2-142-0125-30	3.6	11.6	3000	12.5	41.4	7.1	7.7	29.5	8.2	209 (239)	11.5
DMS2-142-0160-30	4.4	13.9	3000	16.0	55.2	8.5	9.8	39.3	10.7	234 (264)	13.5
DMS2-142-0200-30 (P)	5.5	17.5	3000	20.0	69.0	10.7	12.3	49.1	13.1	259 (284)	15.5
DMS2-142-0260-30 (P)	5.9	18.9	3000	26.0	96.6	11.6	16.0	68.8	18.4	309 (329)	19.5
DMS2-142-0045-45	1.8	3.9	4500	4.5	13.8	3.6	4.1	14.7	3.6	159 (194)	7.5
DMS2-142-0090-45	3.4	7.3	4500	9.0	27.6	6.7	8.3	29.3	6.0	184 (219)	9.5
DMS2-142-0125-45	4.5	9.5	4500	12.5	41.4	8.7	11.5	44.0	8.2	209 (239)	11.5
DMS2-142-0160-45	6.0	12.7	4500	16.0	55.2	11.7	14.7	58.6	10.7	234 (264)	13.5
DMS2-142-0200-45	6.9	14.6	4500	20.0	69.0	13.4	18.4	73.3	13.1	259 (284)	15.5
DMS2-142-0260-45	6.9	14.7	4500	26.0	96.6	13.5	23.9	102.7	18.4	309 (329)	19.5

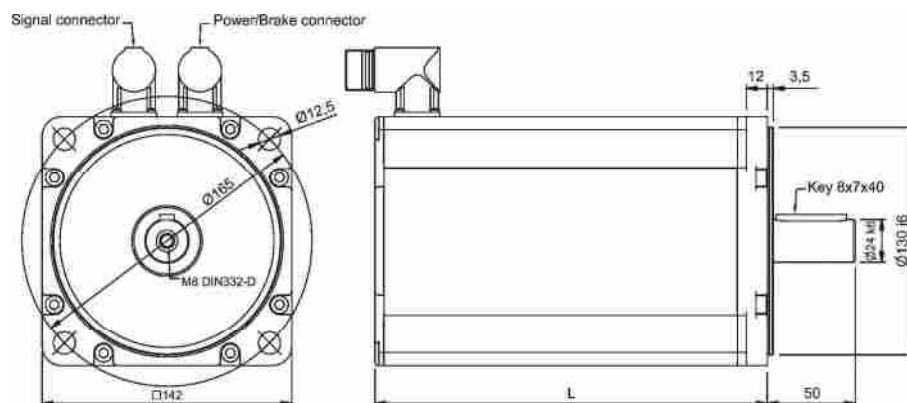
*) With brake the moment of inertia is higher by 1.66 kgcm²

**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

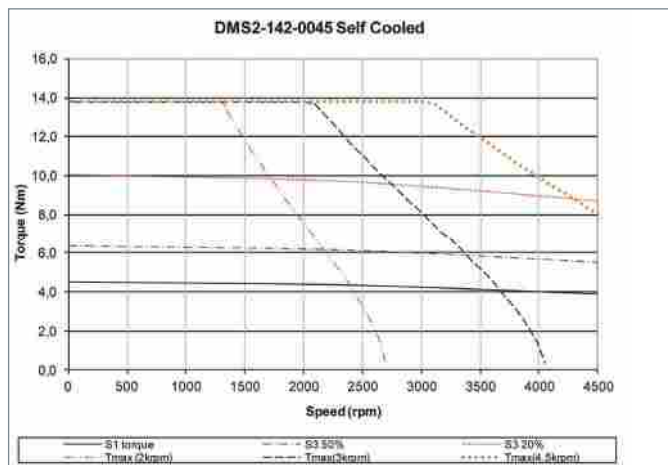
***) With brake approx. 2.0 kg more weight

(P) according to the selected option available as preferred model (--> p. 4)

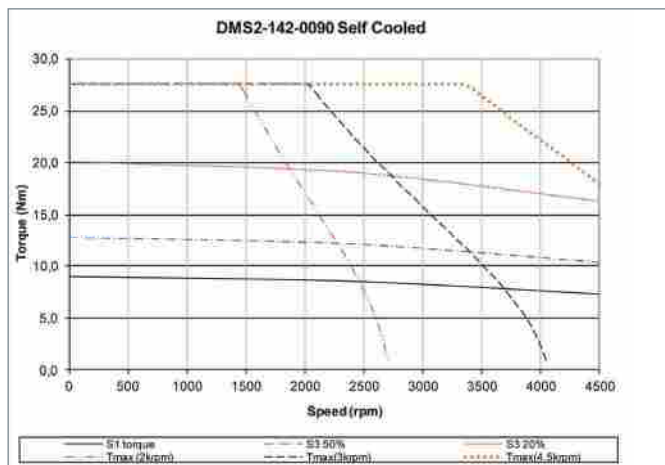
Dimensions DMS2-142, 4.5-26 Nm



Motor characteristics DMS2-142-0045



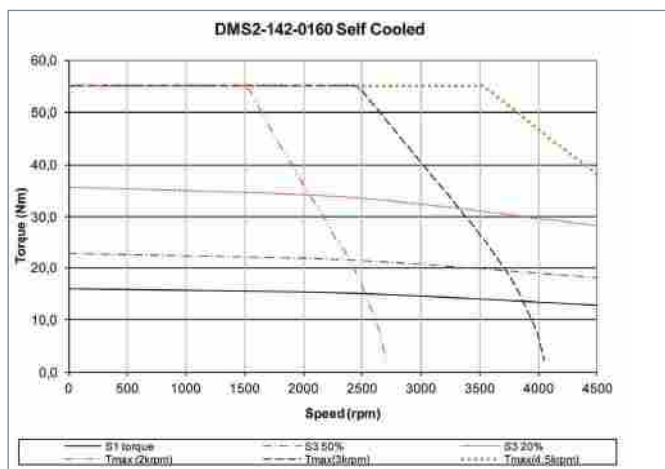
Motor characteristics DMS2-142-0090



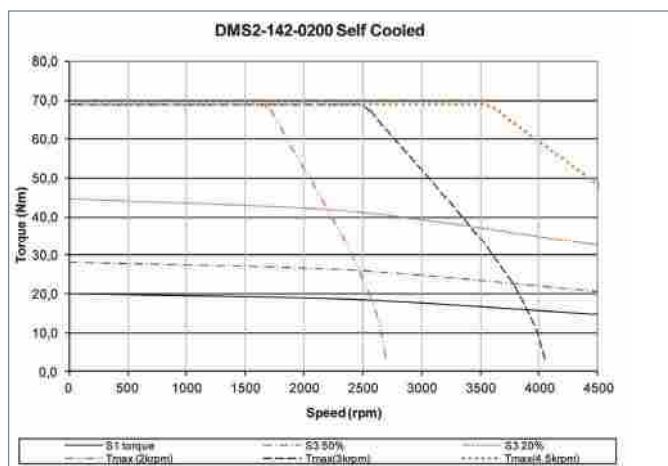
Motor characteristics DMS2-142-0125



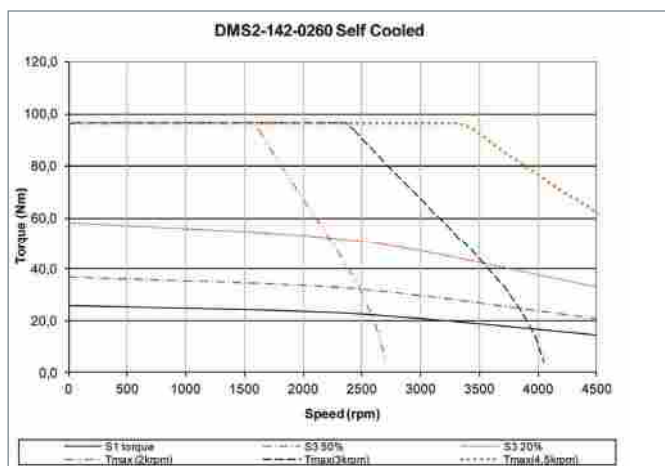
Motor characteristics DMS2-142-0160



Motor characteristics DMS2-142-0200



Motor characteristics DMS2-142-0260



KeDrive DMS2-142

Synchronous Motors

Flange Dimension 142 mm (29 Nm – 38 Nm)

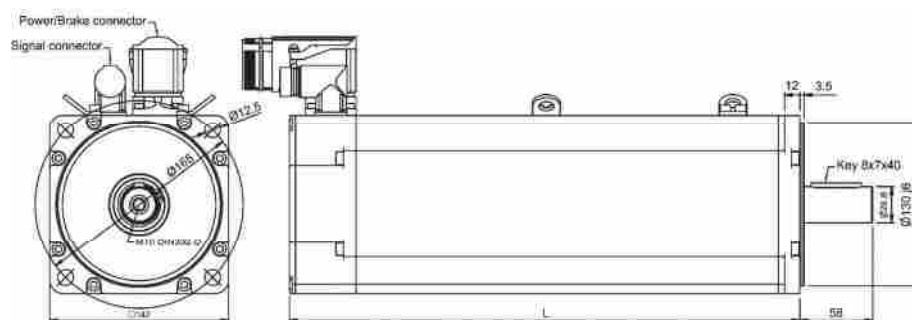
	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-142-0290-20	5.0	23.9	2000	29.0	110.4	9.8	11.9	52.4	20.6	338 (373)	22.5
DMS2-142-0320-20	5.3	25.5	2000	32.0	124.2	10.4	13.1	58.9	23.0	360 (395)	24.8
DMS2-142-0350-20	5.6	26.7	2000	35.0	138.0	10.9	14.3	65.5	25.5	383 (418)	27.1
DMS2-142-0380-20	5.9	28.0	2000	38.0	151.0	11.5	15.6	72.1	28.0	405 (440)	29.4
DMS2-142-0290-30	6.4	20.3	3000	29.0	110.4	12.5	17.8	78.6	20.6	338 (373)	22.5
DMS2-142-0320-30	6.8	21.8	3000	32.0	124.2	13.4	19.7	88.4	23.0	360 (395)	24.8
DMS2-142-0350-30	7.2	23.0	3000	35.0	138.0	14.1	21.5	98.3	25.5	383 (418)	27.1
DMS2-142-0380-30	7.6	24.1	3000	38.0	151.0	14.8	23.3	108.1	28.0	405 (440)	29.4
DMS2-142-0290-45	7.2	15.3	4500	29.0	110.4	14.1	26.7	117.3	20.6	338 (373)	22.5
DMS2-142-0320-45	7.5	16.0	4500	32.0	124.2	14.7	29.5	131.9	23.0	360 (395)	24.8
As of this motor – see the power connector as shown in the figure below											
DMS2-142-0350-45	7.7	16.4	4500	35.0	138.0	15.1	32.2	146.6	25.5	383 (418)	27.1
DMS2-142-0380-45	7.9	16.8	4500	38.0	151.0	15.5	35.0	161.3	28.0	405 (440)	29.4

*) With brake the moment of inertia is higher by 3.6 kgcm²

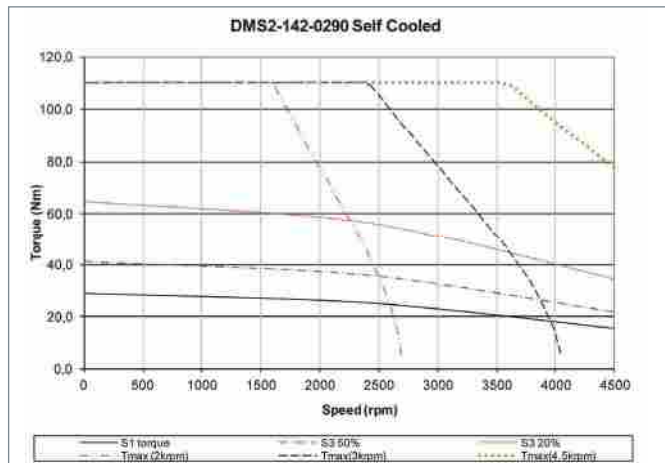
**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

***) With brake approx. 2.0 kg more weight

Dimensions DMS2-142, 29 - 38 Nm



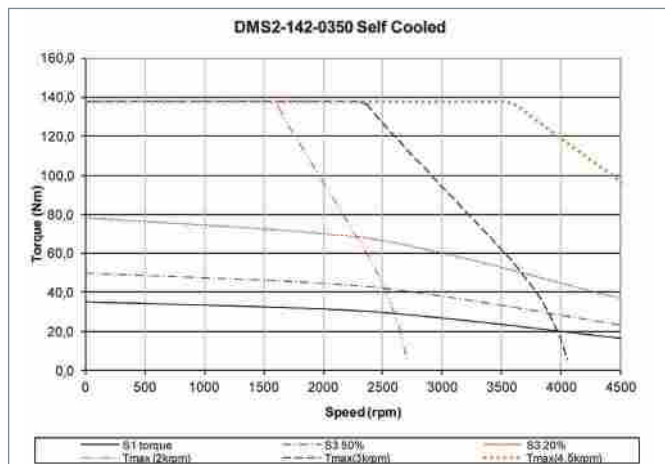
Motor characteristics DMS2-142-0290



Motor characteristics DMS2-142-0320



Motor characteristics DMS2-142-0350



Motor characteristics DMS2-142-0380



KeDrive DMS2-190

Synchronous Motors

Flange Dimension 190 mm (20-42 Nm)

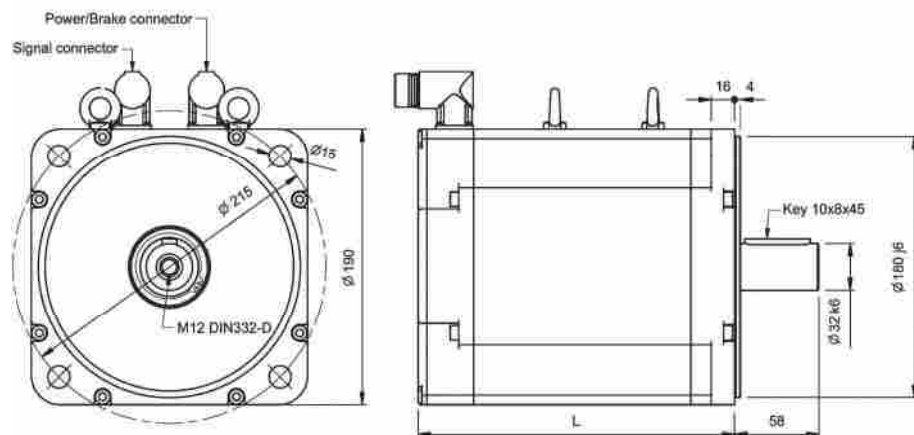
	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-190-0200-20	3.8	18.3	2000	20.0	75	7.5	8.2	38	33	195 (225)	17
DMS2-190-0280-20	5.2	24.7	2000	28.0	108	10.1	11.4	55	46	218 (248)	21
DMS2-190-0360-20	6.3	30.1	2000	36.0	144	12.3	14.7	74	60	240 (270)	25
DMS2-190-0420-20	7.6	36.1	2000	42.0	180	14.8	17.2	92	74	263 (293)	30
DMS2-190-0200-30	5.1	16.1	3000	20.0	75	9.9	12.3	57	33	195 (225)	17
DMS2-190-0280-30	6.9	22.0	3000	28.0	108	13.5	17.2	83	46	218 (248)	21
DMS2-190-0360-30	8.8	28.0	3000	36.0	144	17.2	22.1	111	60	240 (270)	25
DMS2-190-0420-30	10.2	32.5	3000	42.0	180	19.9	25.8	139	74	263 (293)	30

*) With brake the moment of inertia is higher by 32 kgcm²

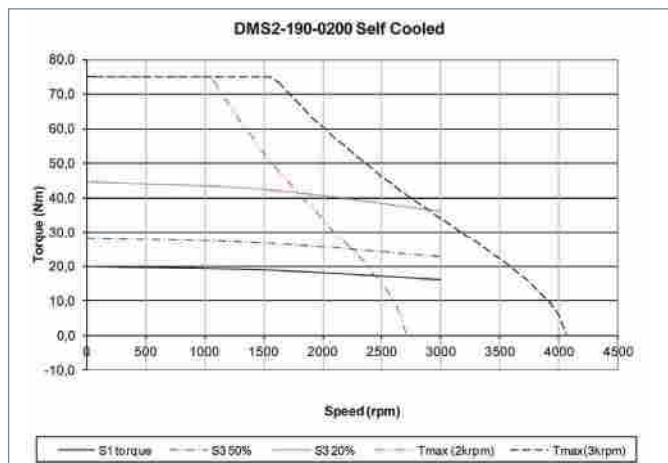
**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

***) With brake approx. 5.0 kg more weight

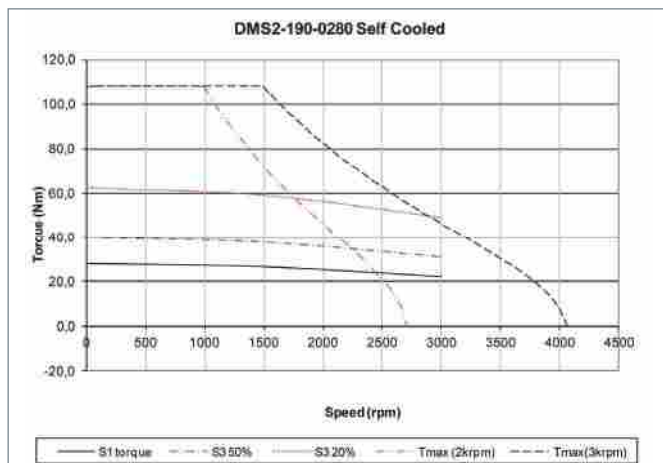
Dimensions DMS2-190, 20-42 Nm



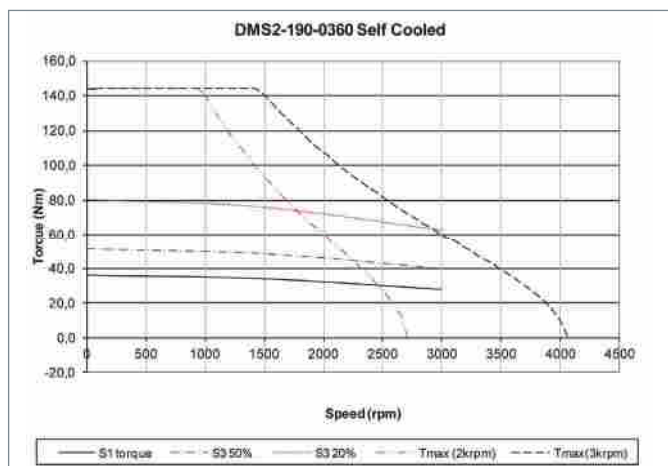
Motor characteristics DMS2-190-0200



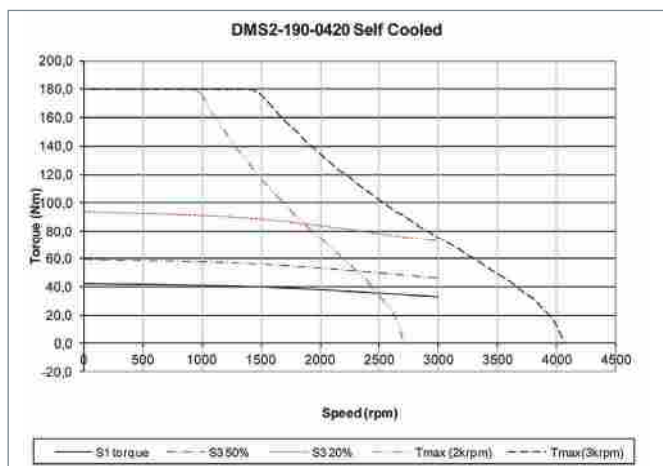
Motor characteristics DMS2-190-0280



Motor characteristics DMS2-190-0360



Motor characteristics DMS2-190-0420



KeDrive DMS2-190

Synchronous Motors

Flange Dimension 190 mm (56-80 Nm)

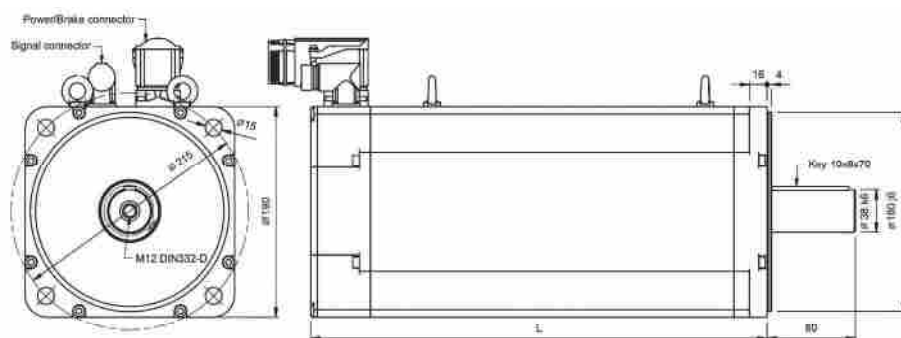
	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-190-0560-20	9.3	44.5	2000	56.0	230	18.2	22.9	129	102	308 (338)	38
DMS2-190-0680-20	10.7	50.9	2000	68.0	322	20.8	27.8	166	130	369 (399)	47
As of this motor – see the power connector as shown in the figure below											
DMS2-190-0800-20	12.1	57.8	2000	80.0	396	23.6	32.7	265	158	414 (444)	55
DMS2-190-0560-30	11.6	37.0	3000	56.0	230	22.7	34.4	194	102	308 (338)	38
DMS2-190-0680-30	12.8	40.9	3000	68.0	322	25.1	41.7	249	130	369 (399)	47
DMS2-190-0800-30	13.8	44.0	3000	80.0	396	27.0	49.1	302	158	414 (444)	55

*) With brake the moment of inertia is higher by 32 kgcm²

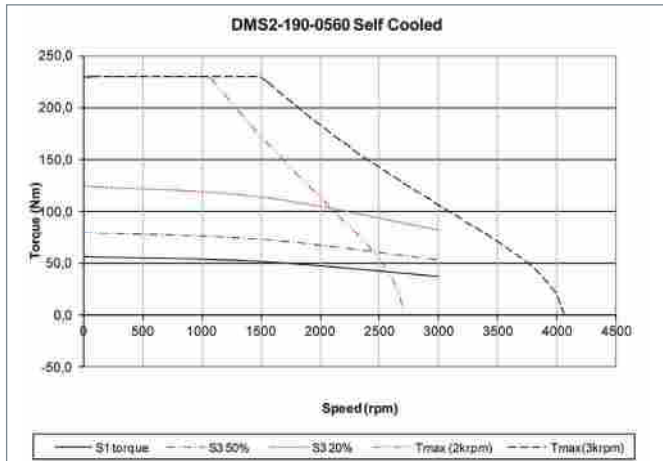
**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

***) With brake approx. 5.0 kg more weight

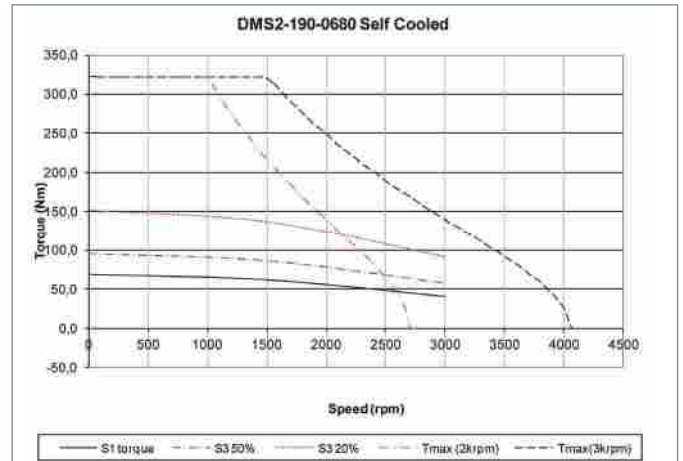
Dimensions DMS2-190, 56-80 Nm



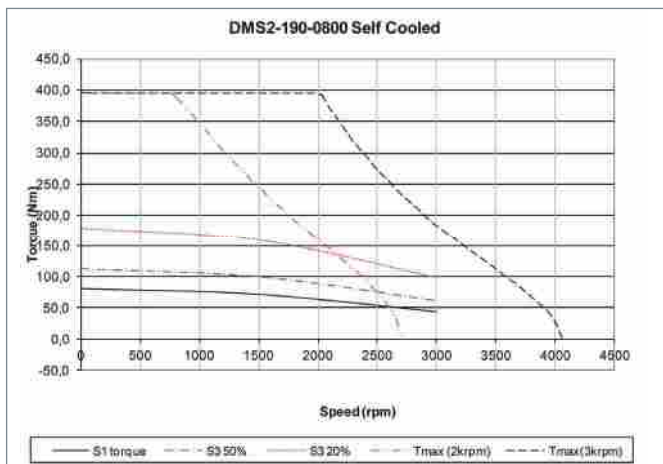
Motor characteristics DMS2-190-0560



Motor characteristics DMS2-190-0680



Motor characteristics DMS2-190-0800



KeDrive DMS2-240

Synchronous Motors

Flange Dimension 240 mm (42 Nm – 73 Nm)

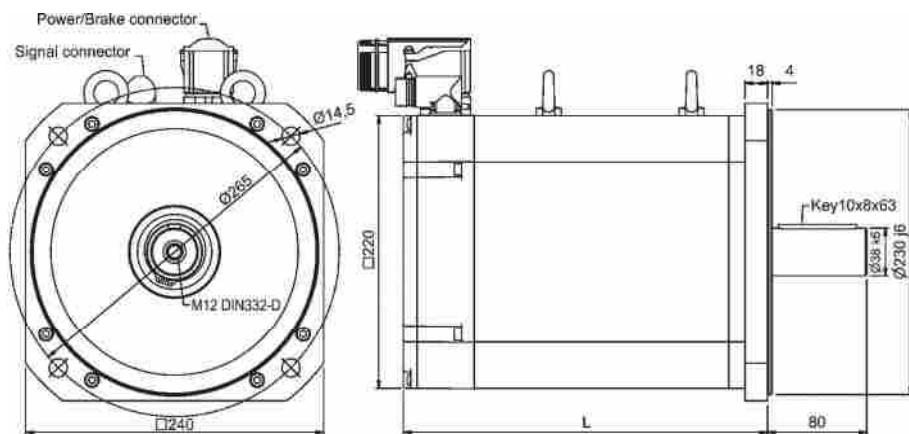
	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-240-0420-15	5.6	35.5	1500	42.0	120	10.9	12.9	45.2	65	321 (371)	48
DMS2-240-0580-15	7.4	47.0	1500	58.0	162	14.4	17.8	63.3	90	361 (411)	55
DMS2-240-0730-15	9.2	58.5	1500	73.0	204	17.9	22.4	81.4	114	401 (451)	62
DMS2-240-0420-20	6.8	32.5	2000	42.0	120	13.3	17.2	60.3	65	321 (371)	48
As of this motor - see the power connector as shown in the figure below											
DMS2-240-0580-20	9.0	43.0	2000	58.0	162	17.6	23.7	84.4	90	361 (411)	55
DMS2-240-0730-20	11.2	53.5	2000	73.0	204	21.9	29.9	108.5	114	401 (451)	62
DMS2-240-0420-30	8.6	27.5	3000	42.0	120	16.9	25.8	90.4	65	321 (371)	48
DMS2-240-0580-30	12.0	38.2	3000	58.0	162	23.4	35.6	126.6	90	361 (411)	55
DMS2-240-0730-30	15.4	48.9	3000	73.0	204	30.0	44.8	162.8	114	401 (451)	62

*) With brake the moment of inertia is higher by 52.87 kgcm²

**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

***) With brake approx. 7.0 kg more weight

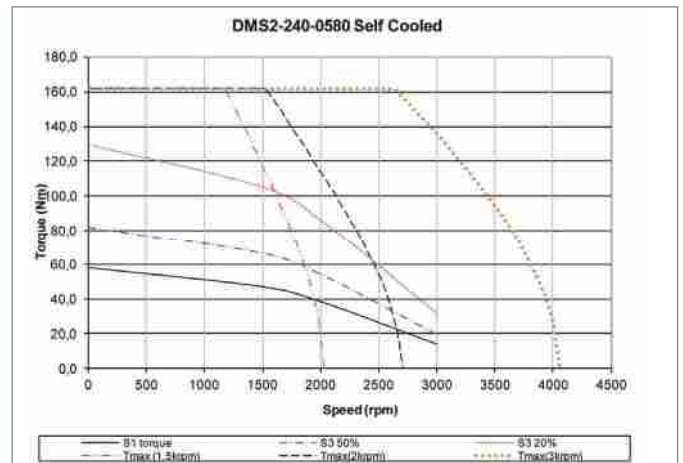
Dimensions DMS2-240, 42-73 Nm



Motor characteristics DMS2-240-0420



Motor characteristics DMS2-240-0580



Motor characteristics DMS2-240-0730



KeDrive DMS2-240

Synchronous Motors

Flange Dimension 240 mm (81 Nm – 120 Nm)

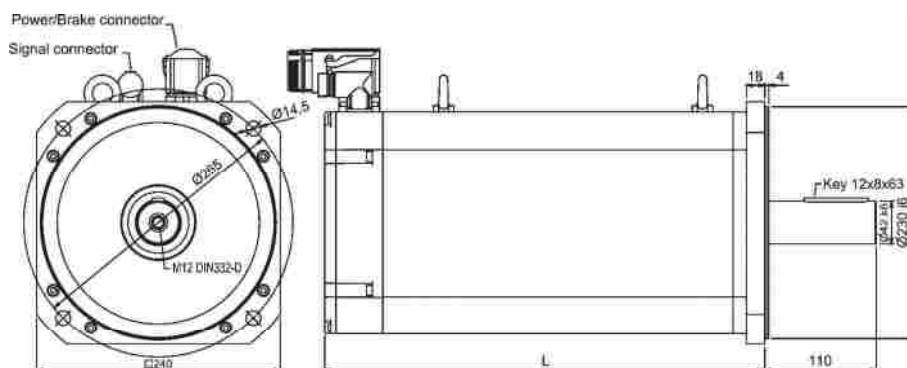
	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-240-0810-15	10.2	65.0	1500	81.0	231	19.9	24.8	90.5	126	421 (471)	67
DMS2-240-0980-15	12.2	77.5	1500	98.0	280	23.8	30.1	108.5	150	461 (511)	76
DMS2-240-1200-15	14.8	94.5	1500	120.0	345	29.0	36.8	135.7	192	521 (571)	92
DMS2-240-0810-20	12.6	60.0	2000	81.0	231	24.6	33.1	120.6	126	421 (471)	67
DMS2-240-0980-20	15.2	72.50	2000	98.0	280	29.7	40.1	144.7	150	461 (511)	76
DMS2-240-1200-20	17.9	85.5	2000	120.0	345	35.0	49.1	180.9	192	521 (571)	92
DMS2-240-0810-30	16.8	53.5	3000	81.0	231	32.8	49.7	180.9	126	421 (471)	67
DMS2-240-0980-30	19.0	60.5	3000	98.0	280	37.1	60.1	217.1	150	461 (511)	76
DMS2-240-1200-30	21.0	67.0	3000	120.0	345	41.1	73.6	271.3	192	521 (571)	92

*) With brake the moment of inertia is higher by 52.87 kgcm²

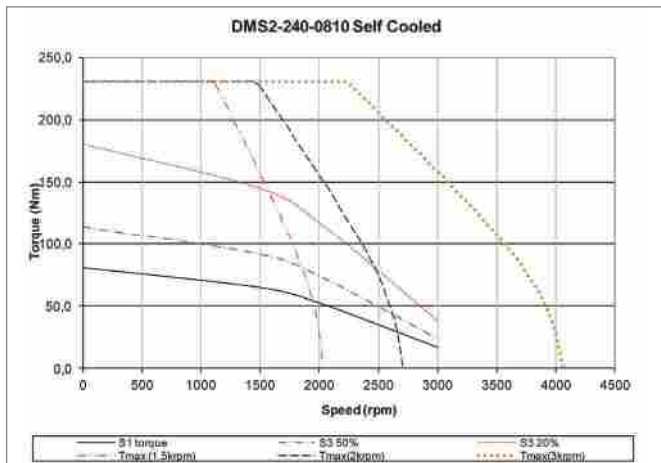
**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

***) With brake approx. 7.0 kg more weight

Dimensions DMS2-240, 81-120 Nm



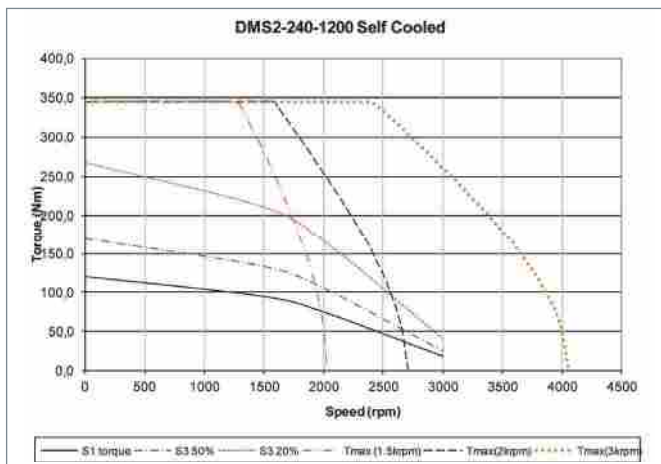
Dimensions DMS2-240-0810



Dimensions DMS2-240-0980



Dimensions DMS2-240-1200



KeDrive DMS2

Overview Motor Lengths

	B0: WITHOUT brake				B1: WITH brake			
Encoder System	1: Hiperface SKM36/ SKS36	2: Hiperface SEL37/ SEK37 or SEK52/ SEL52	5: Hiperface DSL optical EKM36/ EKS36	9: Resolver	1: Hiperface SKM36/ SKS36	2: Hiperface SEL37/ SEK37 or SEK52/ SEL52	5: Hiperface DSL optical EKM36/ EKS36	9: Resolver
DMS2-058-0002	106.5	86.5	106.5	86.5	136.5	116.5	136.5	116.5
DMS2-058-0005	118.5	98.5	118.5	98.5	148.5	128.5	148.5	128.5
DMS2-058-0007	130.5	110.5	130.5	110.5	160.5	140.5	160.5	140.5
DMS2-058-0010	142.5	122.5	142.5	122.5	172.5	152.5	172.5	152.5
DMS2-058-0012	154.5	134.5	154.5	134.5	184.5	164.5	184.5	164.5
DMS2-070-0006	122.5	112.0	122.5	112.0	157.5	147.0	157.5	147.0
DMS2-070-0012	137.5	127.0	137.5	127.0	172.5	162.0	172.5	162.0
DMS2-070-0018	152.5	142.0	152.5	142.0	187.5	177.0	187.5	177.0
DMS2-070-0024	179.5	167.0	179.5	167.0	210.5	198.0	210.5	198.0
DMS2-091-0013	131.5	122.0	136.5	122.0	166.5	157.0	171.5	157.0
DMS2-091-0026	154.0	144.5	159.0	144.5	189.0	179.5	194.0	179.5
DMS2-091-0035	169.0	159.5	174.0	159.5	204.0	194.5	209.0	194.5
DMS2-091-0045	189.0	179.5	194.0	179.5	224.0	214.5	229.0	214.5
DMS2-100-0040	161.0	150.0	161.0	150.0	193.0	182.0	193.0	182.0
DMS2-100-0060	181.0	170.0	181.0	170.0	213.0	202.0	213.0	202.0
DMS2-100-0080	205.0	194.0	205.0	194.0	237.0	226.0	237.0	226.0
DMS2-100-0100	225.0	214.0	225.0	214.0	257.0	246.0	257.0	246.0
DMS2-142-0045	159.0	148.0	159.0	148.0	194.0	183.0	194.0	183.0
DMS2-142-0090	184.0	173.0	184.0	173.0	219.0	208.0	219.0	208.0
DMS2-142-0125	209.0	198.0	209.0	198.0	239.0	228.0	239.0	228.0
DMS2-142-0160	234.0	223.0	234.0	223.0	264.0	253.0	264.0	253.0
DMS2-142-0200	259.0	248.0	259.0	248.0	284.0	273.0	284.0	273.0
DMS2-142-0260	309.0	298.0	309.0	298.0	329.0	318.0	329.0	318.0
DMS2-142-0290	337.5	337.5	337.5	337.5	372.5	372.5	372.5	372.5
DMS2-142-0320	360.0	360.0	360.0	360.0	395.0	395.0	395.0	395.0
DMS2-142-0350	382.5	382.5	382.5	382.5	417.5	417.5	417.5	417.5
DMS2-142-0380	405.0	405.0	405.0	405.0	440.0	440.0	440.0	440.0

Encoder System	B0: WITHOUT brake				B1: WITH brake			
	1: Hiperface SKM36/ SKS36	2: Hiperface SEL37/ SEK37 or SEK52/ SEL52	5: Hiperface DSL optical EKM36/ EKS36	9: Resolver	1: Hiperface SKM36/ SKS36	2: Hiperface SEL37/ SEK37 or SEK52/ SEL52	5: Hiperface DSL optical EKM36/ EKS36	9: Resolver

DMS2-190-0200	195.0	195.0	195.0	195.0	225.0	225.0	225.0	225.0
DMS2-190-0280	217.5	217.5	217.5	217.5	247.5	247.5	247.5	247.5
DMS2-190-0360	240.0	240.0	240.0	240.0	270.0	270.0	270.0	270.0
DMS2-190-0420	262.5	262.5	262.5	262.5	292.5	292.5	292.5	292.5
DMS2-190-0560	307.5	307.5	307.5	307.5	337.5	337.5	337.5	337.5
DMS2-190-0680	368.5	368.5	368.5	368.5	398.5	398.5	398.5	398.5
DMS2-190-0800	413.5	413.5	413.5	413.5	443.5	443.5	443.5	443.5

DMS2-240-0420	321.0	293.0	321.0	293.0	371.0	343.0	371.0	343.0
DMS2-240-0580	361.0	333.0	361.0	333.0	411.0	383.0	411.0	383.0
DMS2-240-0730	401.0	373.0	401.0	373.0	451.0	423.0	451.0	423.0
DMS2-240-0810	421.0	393.0	421.0	393.0	471.0	443.0	471.0	443.0
DMS2-240-0980	461.0	433.0	461.0	433.0	511.0	483.0	511.0	483.0
DMS2-240-1200	521.0	493.0	521.0	493.0	571.0	543.0	571.0	543.0

Dimensions in mm

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