

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

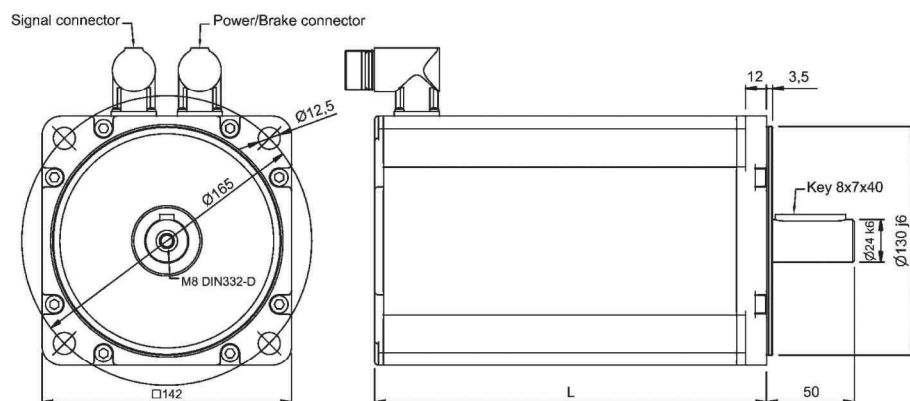
*) With brake the moment of inertia is higher by 1.66 kgcm²

**) 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

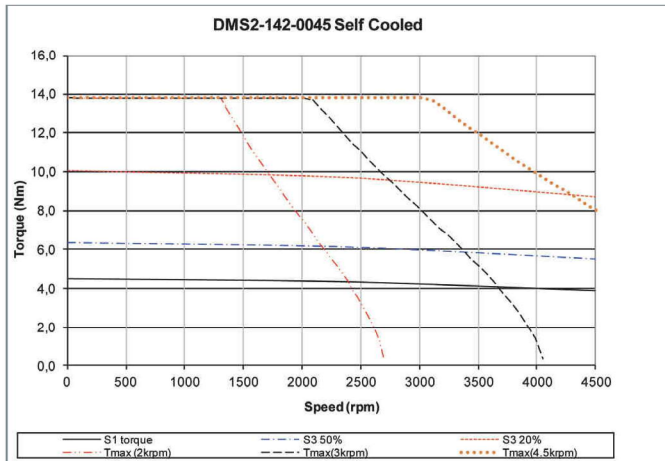
***) With brake approx. 2.0 kg more weight

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

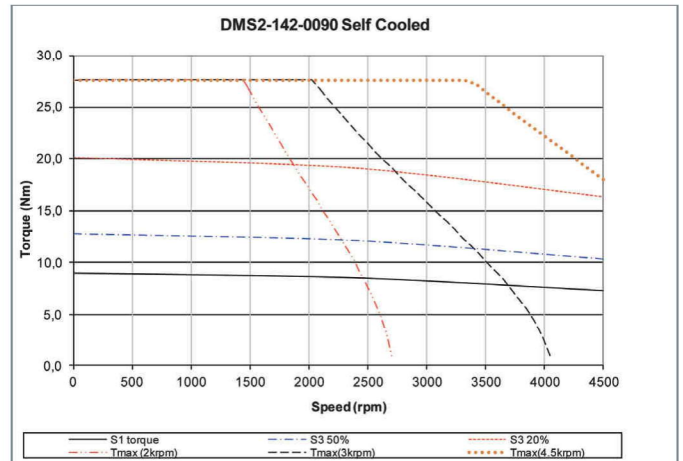
Dimensions DMS2-142, 4.5-26 Nm



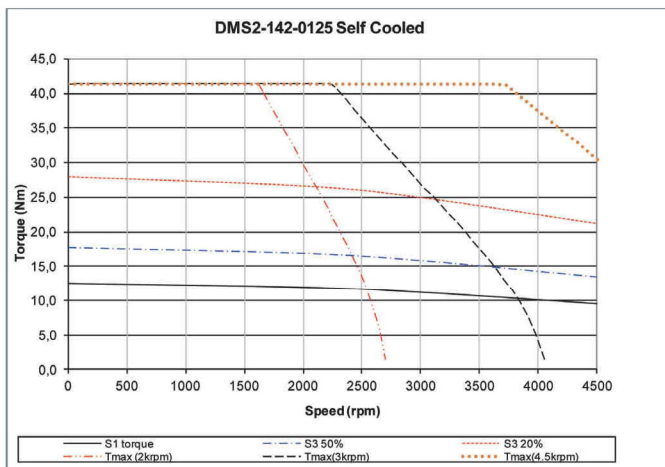
Motor characteristics DMS2-142-0045



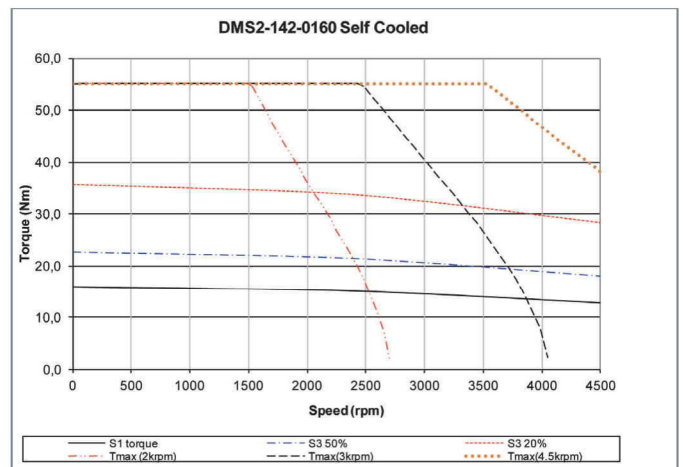
Motor characteristics DMS2-142-0090



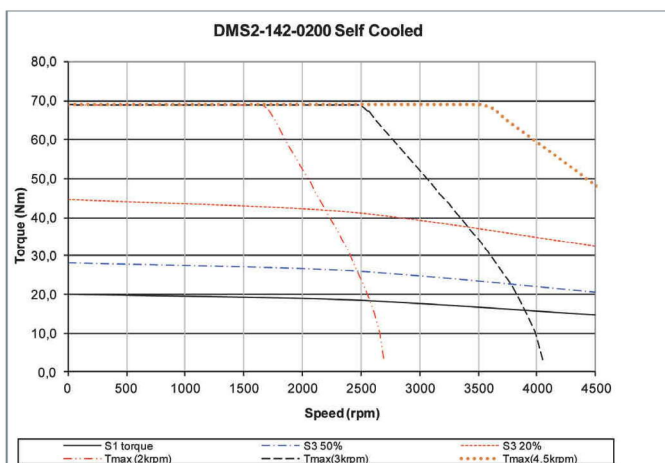
Motor characteristics DMS2-142-0125



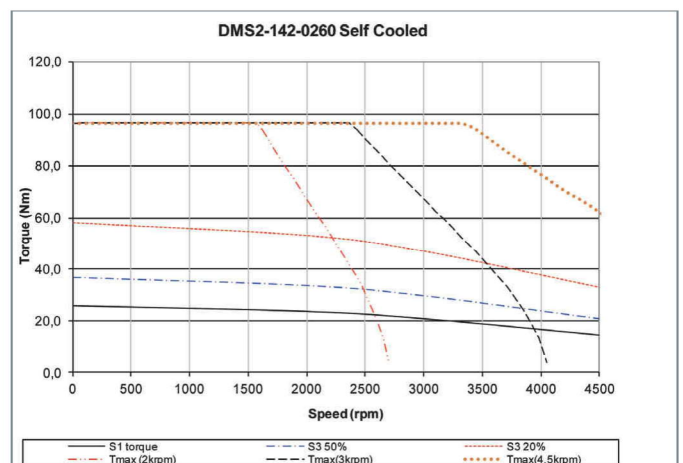
Motor characteristics DMS2-142-0160



Motor characteristics DMS2-142-0200



Motor characteristics DMS2-142-0260



KeDrive DMS2-142

Synchronous Motors

Flange Dimension 142 mm (29 Nm – 38 Nm)

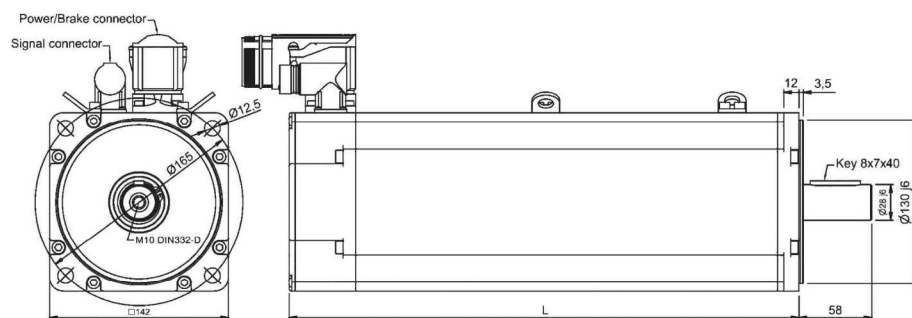
	P_N kW	T_N Nm	n_N rpm	T_0 Nm	T_{max} Nm	I_N A_{rms}	I_0 A_{rms}	I_{max} A_{rms}	$J^*)$ kgcm ²	$L^{**})$ mm	$m^{***})$ kg
DMS2-142-0290-20	5.0	23.9	2000	29.0	110.4	9.8	11.9	52.4	20.6	338 (373)	22.5
DMS2-142-0320-20	5.3	25.5	2000	32.0	124.2	10.4	13.1	58.9	23.0	360 (395)	24.8
DMS2-142-0350-20	5.6	26.7	2000	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

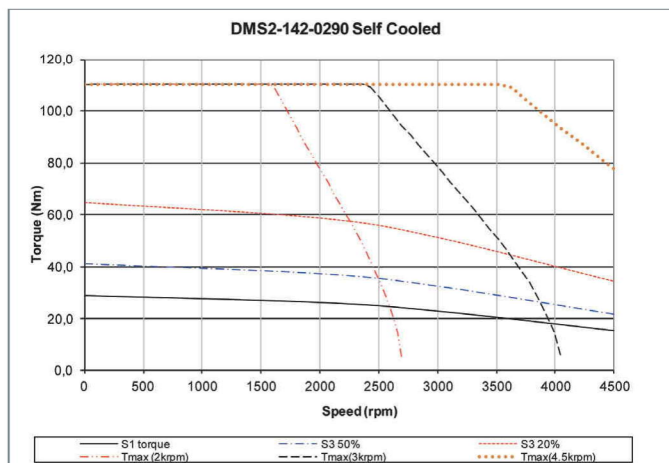
**) Lengths refer to options 1: Hiperface SKM36/SKS36 and B0: without brake (or B1: with brake); an overview of all lengths is on p. 26

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

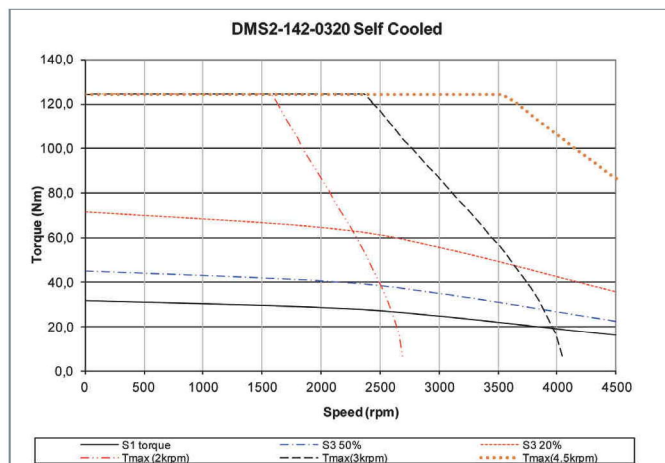
Dimensions DMS2-142, 29 - 38 Nm



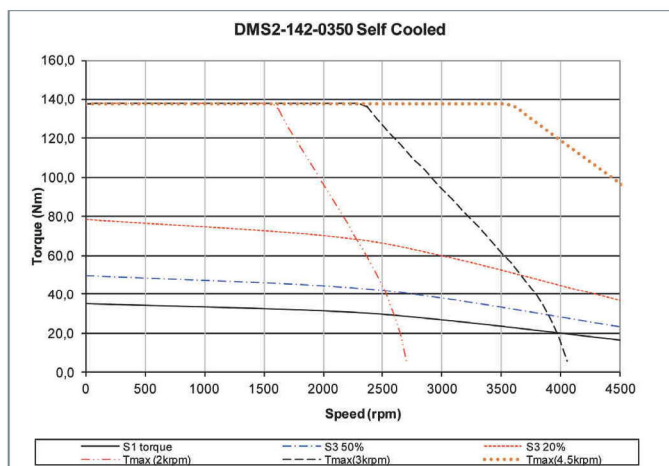
Motor characteristics DMS2-142-0290



Motor characteristics DMS2-142-0320



Motor characteristics DMS2-142-0350



Motor characteristics DMS2-142-0380

