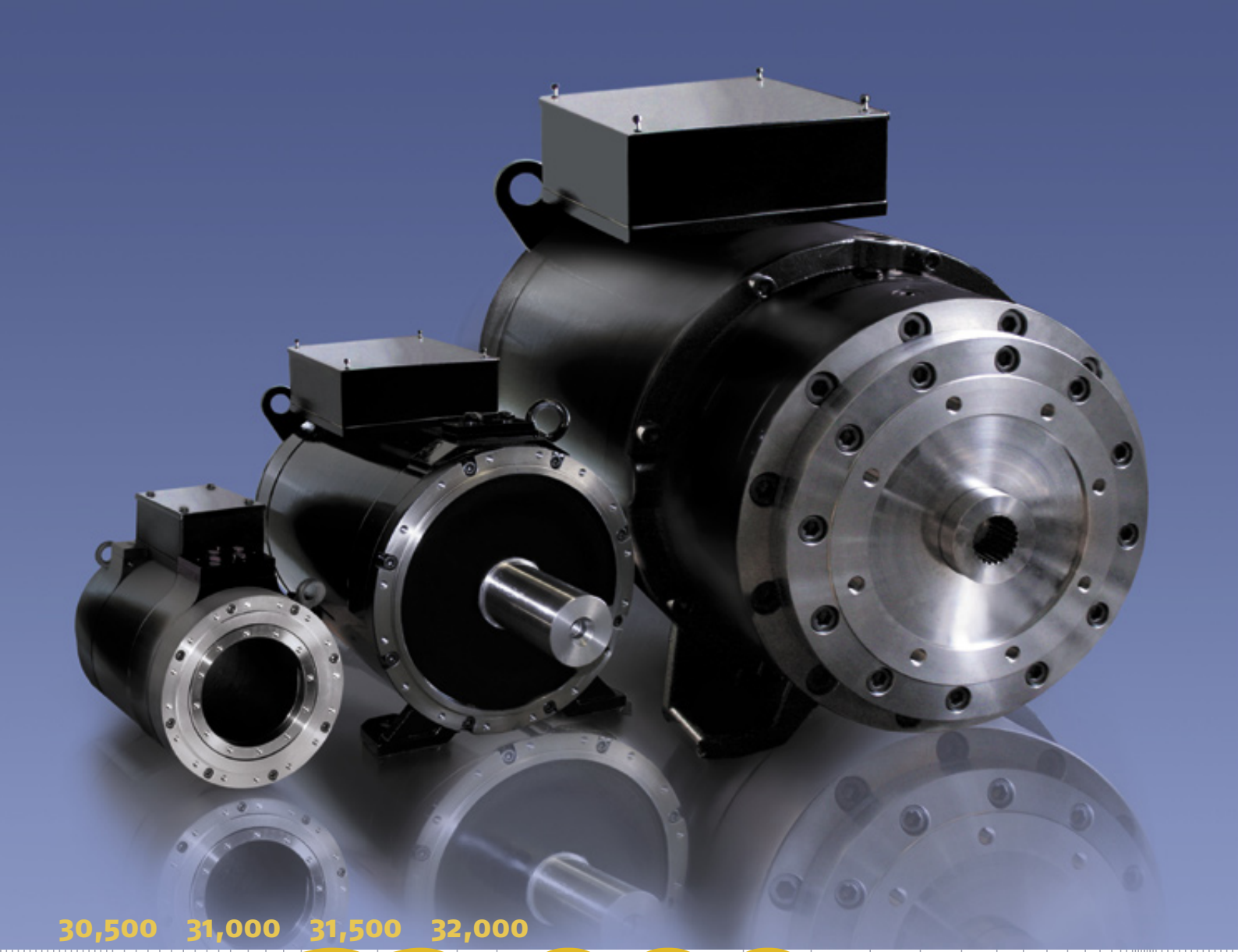
BAUMÜLLER

be in motion be in motion

12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0

Direct Drives

16.9 17.0 17.1 17.2 17.3



30,500 31,000 31,500 32,000

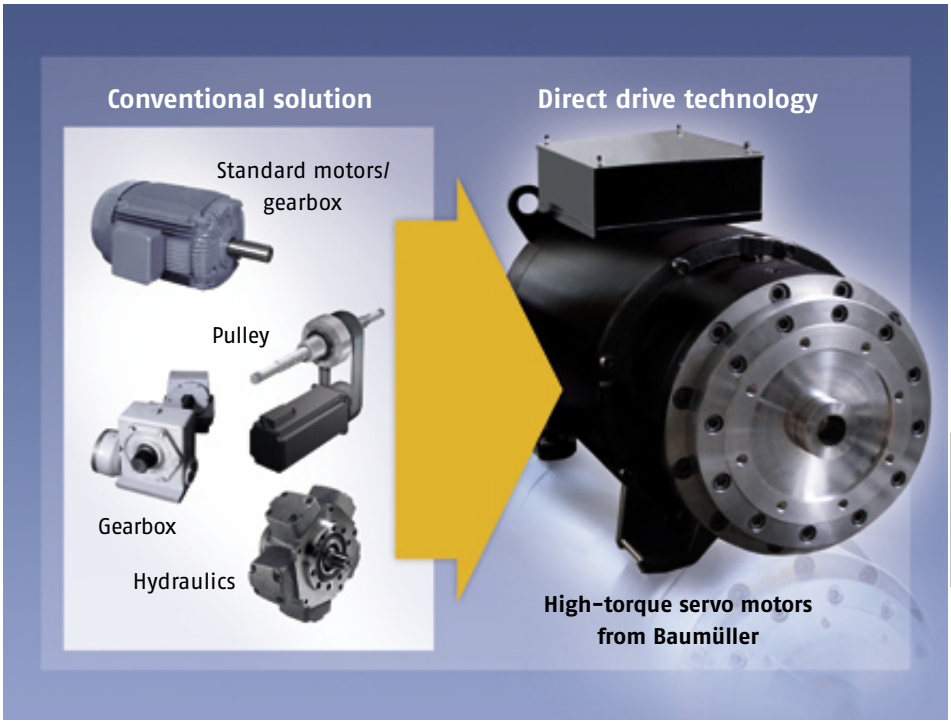
32,000

32,005 32,010 32,015 32,020 32,025

Baumüller's DST series offers torques of up to 32,000 Nm,
meeting the most stringent of direct drive technology requirements.

Baumüller – a partner you can rely on for direct drive technology

Baumüller is a pioneer in the field of direct drive technology and has been a major player on this market since 1991. With over 40 subsidiaries worldwide, Baumüller is always close by, no matter where your machine is to be installed. Make the most of the flexibility and innovation that our experts at Baumüller offer for customizing system concepts to meet your requirements. These offerings include the suitable water-cooled servo drives, thrust bearings, and appropriate shaft options – everything from one single source.



Time for change

Today's industry places high demands on innovative system solutions. The aim is to achieve not only increased productivity and machine availability, but improved energy efficiency and reduced operating costs as well. These demands can never be met with high-maintenance gearboxes, standard induction motors, and hydraulic systems – all of which are extremely inefficient. Investing in direct drive technology instead of these conventional wasteful design approaches could greatly benefit you organization's bottom line. Take a look of the advantages direct drive technology has to offer and convince yourself!

Direct drive technology compared to the combined motor/gearbox

Cost and energy efficiency:

Combined motor/gearbox

- Friction losses caused by wear-based mechanical components
- Fan motors often used for climate control
- High costs due to maintenance intervals

Direct drives solution

- Increased overall efficiency by reducing friction losses in the system
- Minimizing time and cost-expensive maintenance intervals by eliminating technically complicated pulley and toothed gears

Significant reduction of energy costs and CO_2 emissions

Running noise:

Combined motor/gearbox

- Increased noise pollution caused by the gearbox
- Fan motors often result in additional energy demand

Direct drives solution

- Motor operates with almost no noise, no gearbox
- Integrated water cooling

No additional measures required to suppress noise

Space requirement:

Combined motor/gearbox

- Combined motor and gearbox require a lot of installation space

Direct drives solution

- Assembly kit solution enables a high level of integration
- Compact design, relatively little installation space required

Reduction in machinery footprint

Service, maintenance/assembly:

Combined motor/gearbox

- Regular maintenance intervals when using gearbox and constant oil controls
- Limited service life of gearbox
- Utilization of numerous components complicates the assembly; resulting in higher logistic expenses

Direct drives solution

- Almost no maintenance costs
- Long service life of motors
- Virtually an oil-free system
- Simple assembly and logistics because less components are required; this results in greater MTBF

Reduction in service and maintenance costs as well as decreased machine downtime

Direct drives technology compared to the hydraulic system

Cost and energy efficiency:

Hydraulic systems

- Lower overall efficiency of the hydraulic system because the high system losses heat generation, thus increasing overall machine temperature
- Fan motors often result in additional energy demand

Direct drives solution

- System losses are negligible as no additional medium, such as hydraulic oil, is required
- Concurrent machine functions possible, resulting in shorter cycle times

Reduction in energy costs and increase in productivity

Running noise:

Hydraulic systems

- Operating noise of valves
- Tendency to vibrate due to pressure surges and the related noise emission

Direct drives solution

- Elimination of valves
- No noise emission caused by vibration tendencies, as the pressure build-up no longer occurs

No additional measures required to suppress noise

Space requirement:

Hydraulic systems

- Hydraulic systems require a large installation space

Direct drives solution

- Tighter mounting spaces are achievable
- No additional space requirement is necessary for hydraulic systems

Reduction in machinery footprint

Service, maintenance/assembly:

Hydraulic systems

- Filtering of hydraulic liquid is critical
- Temperature-dependent viscosity of hydraulic oils
- Danger of leakage and resulting in cost, housekeeping and environmental concerns
- Utilization of numerous components complicates the assembly; this results in higher logistic expenses

Direct drives solution

- Reduction in maintenance costs due to the omission of hydraulic fluid
- Almost oil-free system, eliminating cost-intensive disposal
- Simple assembly and logistics because less components are required; this results in less interference

Reduction in service and maintenance costs as well as decreased machine downtime

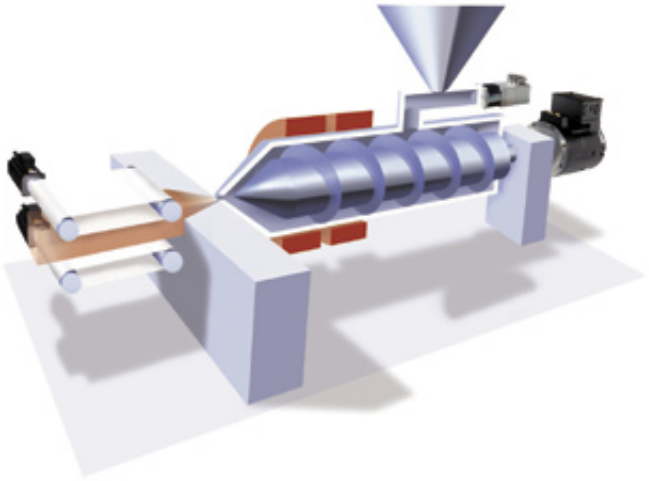
DST motors for extruders

Many market leaders rely on high-torque motors with an integrated thrust bearing from Baumüller as the drive for their extruder screw. This integrated drive approach provides many advantages for the mechanical engineer with regard extrusion technology requirements.

Reduction of operating and energy costs

- No gearbox losses
- Gearbox maintenance no longer necessary
- Close adding of drives possible

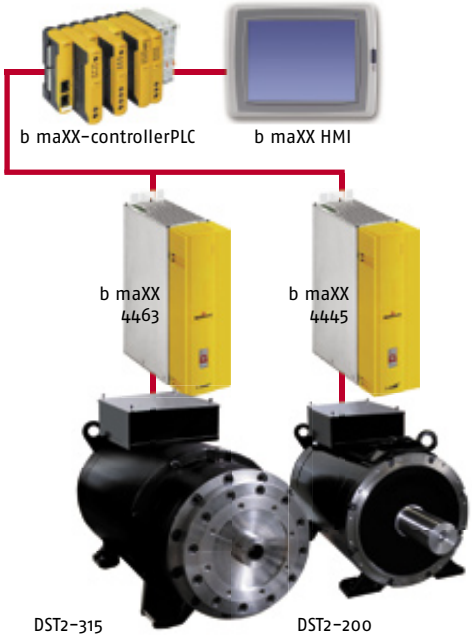
Your advantage:
Increased cost-efficiency due to improvement in overall economic and ecological benefits.



Improved power density

- Less installation space required due to high integrated design approach

Your advantage:
Machines can be located closer together, meaning less encroachment on production space.



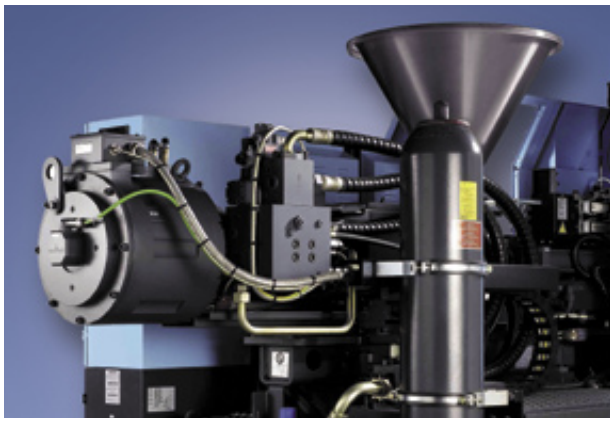
Calculation of energy efficiency and cost reduction
The omission of the gearbox increases the system efficiency by approx. 10%.

Calculated with a shaft power of the machine of 100 kW at 7,200 operating hours per year and energy costs of € 0.08 per kWh results in an energy cost reduction of approx. € 6,600 annually.

Your advantage:
Cost reduction of approx. € 6,600 per year

DST motors for injection molding machines

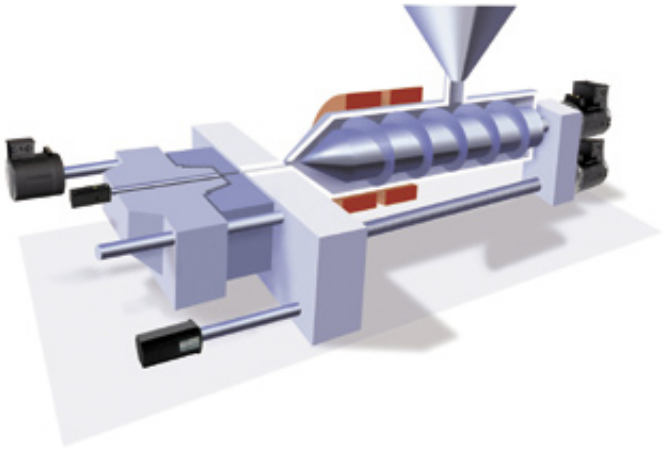
Many leading manufacturers of injection molding machines are increasingly replacing their hydraulics with direct drive solutions from Baumüller. Baumüller draw from our extensive experience in your market segment and develop, together with you, systems with very high energy efficiency and productivity.

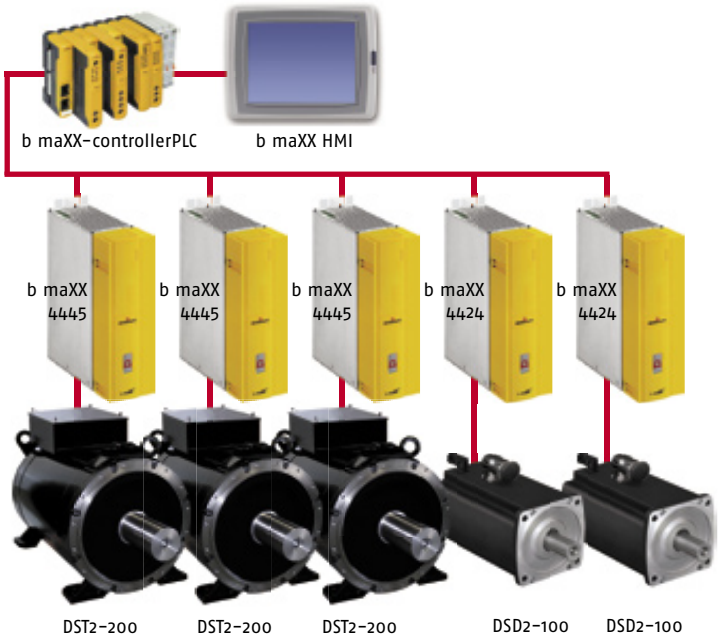


Increased productivity and reduced energy costs

- No system losses due to hydraulic fluids that are converted into wasted heat
- No heating of the system, meaning there is no need to use a fan motor for temperature control
- Concurrent functions possible, resulting in shorter cycle times
- Increase in process capability by replacing hydraulic systems with direct drive solutions

Your advantage:
Lower energy costs, reduced material usage, and improved productivity lead to an increase in cost efficiency and opening of new areas of application.





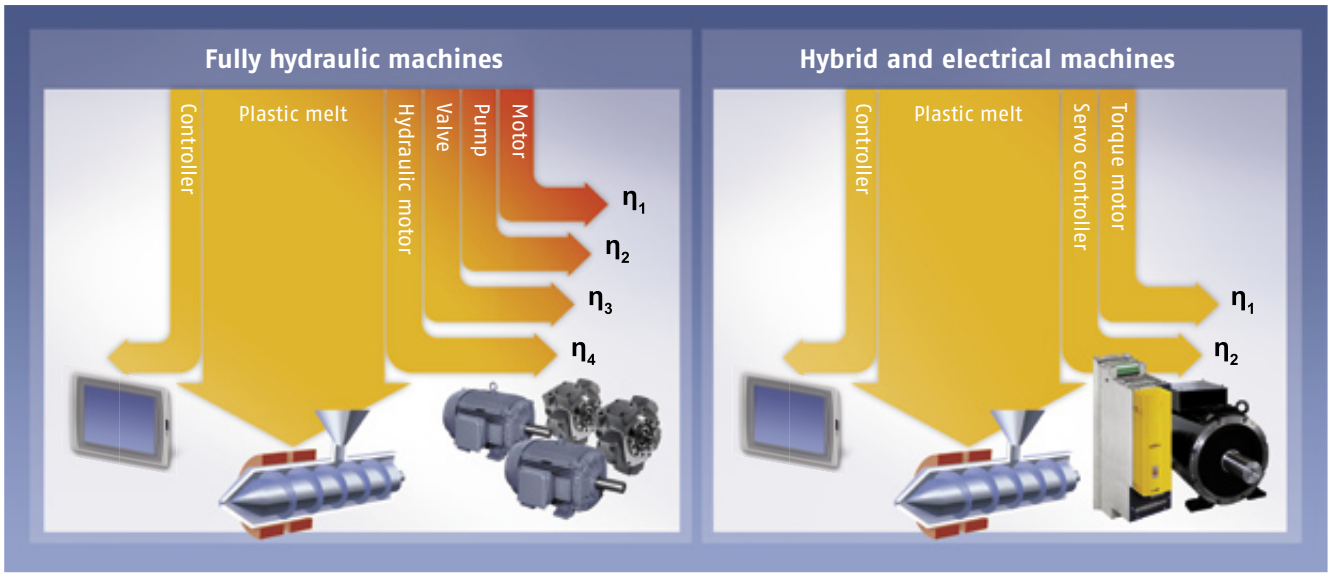
Calculation of energy efficiency and cost reduction
The increased overall efficiency can result in an energy saving of up to 50% of operating energy.

Calculated at an injection rate of 400 kg per hour, 7,200 operating hours per year and an original energy consumption of 1 kWh per kg, as well as energy costs of € 0.08 per kWh, this results in a saving of € 46,000 annually.*

Your advantage:
Cost reduction of approx. € 46,000 per year

* Calculation based on an assumed energy saving of 20%.

Energy flow of injection molding as a comparison



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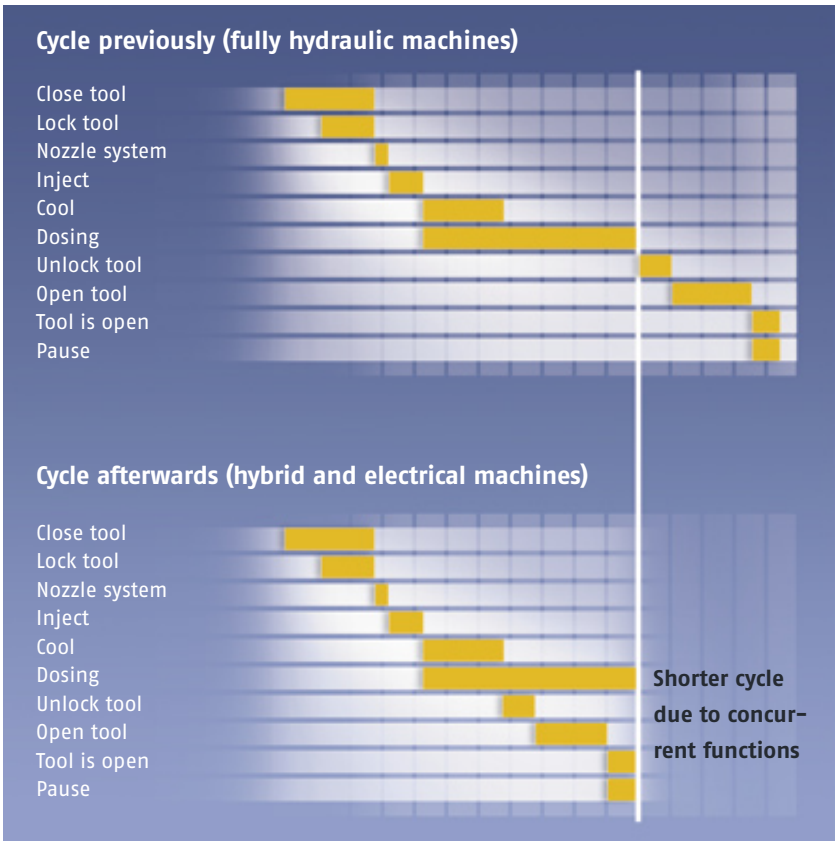


Reduction of cycle times

Due to limited performance capability of the hydraulic system, unlocking can not begin until dosing is complete.

Concurrent functions result in a significantly shorter cycle time of 30% (calculated on the example of manufacturing a drinking cup).

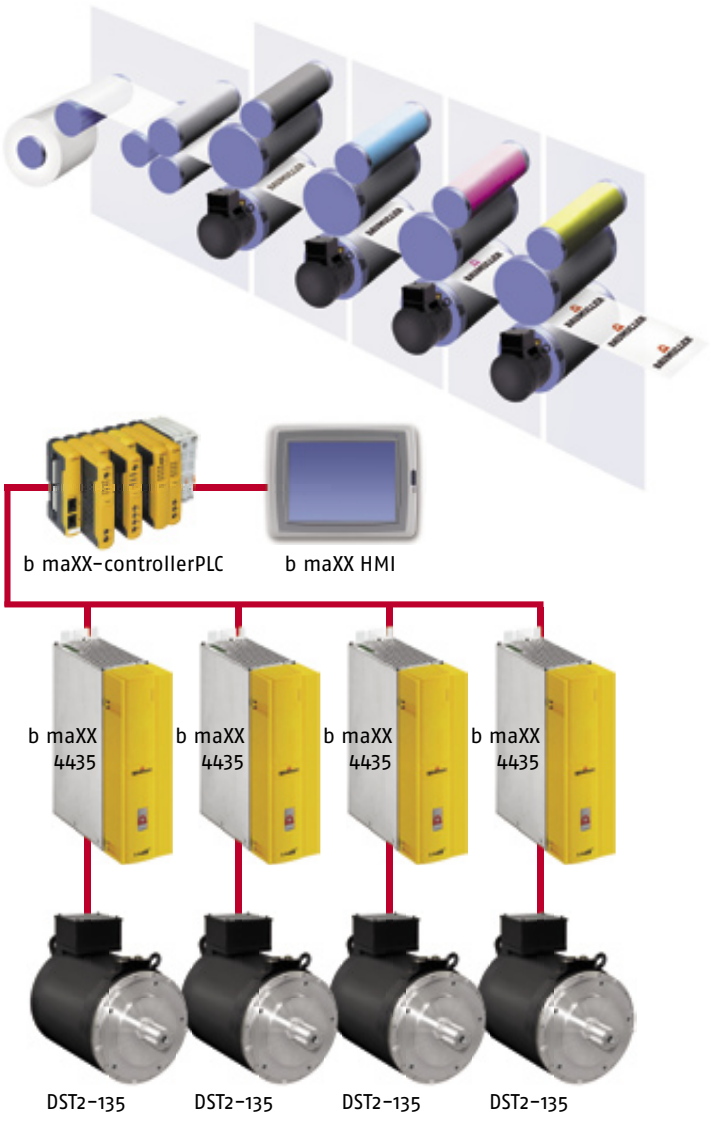
Baumüller was the first system manufacturer in the printing machine sector to perform pioneering work with direct drive technology. In the past, it was more common to drive synchronized rotating cylinders using positive coupling via hard gearing. Increasingly more manufacturers are now relying on direct drive technology with electronic synchronization from Baumüller and are profiting from the advantages.

Increased precision

Improved control and positioning precision as well as load stiffness because gearbox and gear connections are no longer required

Your advantage:

The increased precision improves product quality, which in turn reduces waste. This means you become significantly more competitive.



Increase cost-efficiency

- Parallelling setup processes results in a shorter setup time
- Achieving a constant high-torque results in increased performance capability

Your advantage:

Shorter setup times and increased performance capability improve the productivity of the machine, which in turn increases the cost efficiency of the system.

Calculation of energy efficiency and cost reduction

Using direct drives increases system efficiency by about 10 percent points*.

Calculated with a shaft performance of the machine of 100 kW at 8,000 operating hours per year and energy costs of € 0.08 per kWh, this results in an energy cost reduction of approx. € 7,900 annually.

Your advantage:

Cost reduction of approx. € 7,900 per year

* Calculation based on an assumed efficiency increase from 85 % to 95 %.

DST2-135-400 – The powerful high-torque motors

- Very good smooth running characteristics
- Energy-efficiency is maintained through wide speed/load range
- Suitable for sophisticated direct drive technology
- High torque at low velocities
- Low-noise
- Water cooling in a stainless steel design
- Compact and robust design
- Smooth housing surface – easy to keep clean
- Permanent field high-torque motors
- IP54 type of protection
- Encoder: Resolver, SinCos encoder (option)
- Thrust bearing (optional)

DST high-torque motors are available in water-cooled versions.

54 65 43 23 54 65

DST2-135-400 – Technical data

		DST2-135	DST2-200	DST2-260	DST2-315	DST2-400
P_N	[kW]	2.7-60	5.5-126	20-225	16-280	94-320
n_N	[min^{-1}]	175 - 1500	150 - 1000	150 - 600	100 - 500	100 - 300
M_N	[Nm]	140 - 580	310 - 2030	1160 - 4760	1200 - 8600	9000 - 19300
M_{0max}	[Nm]	325 - 1110	790 - 4450	2410 - 9800	3330 - 18400	15400 - 32900

		DST2-135	DST2-200	DST2-260	DST2-315	DST2-400
P_N	[hp]	3.6-80	7.4-169	27-302	21-375	126-429
n_N	[min^{-1}]	175 - 1500	150 - 1000	150 - 600	100 - 500	100 - 300
M_N	[lbf ft]	103 - 427	229 - 1497	856 - 3513	885 - 6343	6642 - 14243
M_{0max}	[lbf ft]	240 - 819	583 - 3282	1779 - 7232	2456 - 13571	11365 - 24280

Subject to alterations. The stated data are maximum values.
For details please have a look in the technical documentations.

Your advantages at a glance:

Characteristic	Product advantage	Customer benefits
High standstill torque	**Improved restart characteristics** ◎ Improved efficiency ◎ Cold start	**Reduced waste** ◎ Increased productivity while also reducing material costs
Constantly high torque	**Wider speed setting range** ◎ No gradation of the motor or gearbox ◎ No drive combinations	**Service concept** ◎ Various materials producible ◎ One drive set for multiple machines ◎ Cost reduction in procurement, logistics, and storage
Overload capability	**Improved dynamics** ◎ High load variation ◎ Very good acceleration characteristics	**Optimizing machines and processes** ◎ Increased machine output ◎ Improved productivity ◎ Increased cost-efficiency ◎ Competitive advantage
Water cooling	**Effective loss reduction** ◎ Reduced surface heat ◎ Reduced heat flow ◎ Reduced noise due to water jacket	**Process optimization and sustainability** ◎ Reduced temperature dependency at the drive end during the process ◎ No additional measures necessary for noise insulation
Efficiency	**Reduced loss** ◎ No gearbox losses ◎ No pressure loss hydraulics	**Efficiency** ◎ Improved overall efficiency of the machine ◎ Reduced operating costs ◎ Competitive advantage
Backlash-free	**Process optimization** ◎ Very good stiffness control ◎ Very good smooth running characteristics ◎ Very high precision	**Improved process quality** ◎ Improved product quality ◎ Reduced waste ◎ Improved efficiency ◎ Competitive advantage
Maintenance-free (motor bearings)	**Easy-to-maintain technology** ◎ Hydraulic and gearbox maintenance no longer necessary ◎ Omission of mechanical transmission elements ◎ Almost oil-free (clean technology)	**Cost reduction** ◎ Faster commissioning ◎ Increased machine availability ◎ Reduced service, repairs, and maintenance expenses; this results in reduced service life costs
Power density/ space requirements	**Installation space** ◎ High level of integration in the machine ◎ Reduced volume of the device ◎ Reduced masses	**Reduced assembly space** ◎ Increased quantities ◎ Cost advantage for machine user ◎ Competitive advantage
Design	**Optimal integration into the machine** ◎ Defined shaft options ◎ Optional thrust bearing	**Optimized machine design** ◎ Reduced R&D and assembly costs ◎ Integration of the motor in an optimal machine design

DST2-135..54 W (IP 54 water-cooled)

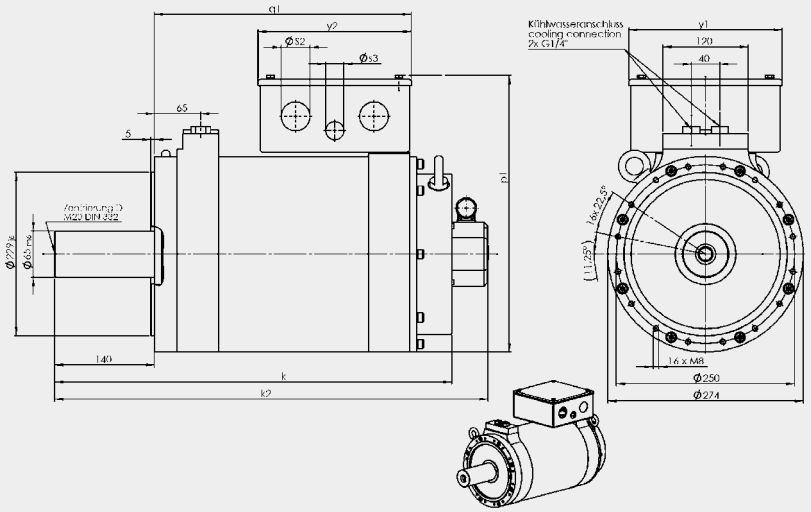
Mains voltage 3 AC 400 V for converters with unregulated supply

Motor type	n_N[1)] [min⁻¹]	P_N [kW]	[hp]	M_N [Nm]	[lbf ft]	I_N [A]	U_N [V]	$I_{o,max}$ [A]	n_{max} [min⁻¹]
DST2-135K054W017-5	175	2.7	3.6	145	107	6.8	360	18.9	390
DST2-135M054W017-5		4.9	6.6	265	195	12.4	355	27.4	380
DST2-135L054W017-5		6.4	8.6	350	258	16.1	355	35.9	370
DST2-135B054W017-5		7.8	10.5	430	317	19.3	360	43.6	360
DST2-135X054W017-5		9.3	12.5	505	372	22.9	355	52	360
DST2-135Y054W017-5		11	14.8	580	428	26.1	355	61	360
DST2-135K054W035-5	350	5.3	7.1	145	107	11.2	365	31.1	640
DST2-135M054W035-5		9.5	12.7	260	192	20.4	365	45.8	630
DST2-135L054W035-5		12	16.1	340	251	26.6	365	60	630
DST2-135B054W035-5		15	20.1	420	310	32.5	365	75	620
DST2-135X054W035-5		18	24.1	490	361	38.2	365	89	620
DST2-135Y054W035-5		21	28.2	565	417	43	365	102	610
DST2-135K054W055-5	550	8.2	11.0	145	107	17.3	360	48.4	1000
DST2-135M054W055-5		15	20.1	260	192	31.2	355	72	1000
DST2-135L054W055-5		20	26.8	340	251	40.2	355	95	980
DST2-135B054W055-5		24	32.2	420	310	48.5	360	116	970
DST2-135X054W055-5		28	37.5	495	365	56	365	138	950
DST2-135Y054W055-5		33	44.3	565	417	64	360	160	960
DST2-135K054W075-5	750	11	14.8	140	103	22.7	360	63	1300[2)]
DST2-135M054W075-5		20	26.8	250	184	39.8	365	92	1250[2)]
DST2-135L054W075-5		26	34.9	330	243	53	360	124	1250[2)]
DST2-135B054W075-5		32	42.9	405	299	65	360	155	1250[2)]
DST2-135X054W075-5		37	49.6	475	350	76	360	185	1250[2)]
DST2-135Y054W075-5		43	57.7	545	402	87	360	215	1250[2)]
DST2-135K054W100-5	1000	15	20.1	140	103	28.9	365	81	1500[2)]
DST2-135M054W100-5		26	34.9	245	181	52	360	122	1500[2)]
DST2-135L054W100-5		34	45.6	325	240	69	355	165	1500[2)]
DST2-135B054W100-5		42	56.3	395	291	82	365	200	1500[2)]
DST2-135X054W100-5		49	65.7	465	343	98	355	245	1500[2)]
DST2-135Y054W100-5[3)]		57	76.4	540	398	105	370	270	1500
DST2-135K054W150-5[3)]	1500	22	29.5	140	103	42.3	360	120	1500
DST2-135M054W150-5[3)]		37	49.6	235	173	69	370	170	1500
DST2-135L054W150-5[3)]		49	65.7	315	232	90	370	225	1500
DST2-135B054W150-5[3)]		60	80.5	380	280	107	365	270	1500

Motor type	$M_{o,max}$ [Nm]	[lbf ft]	$J_{solid-shaft}$ [kgm²]	[lb ft²]	$J_{hollow-shaft}$ [kgm²]	[lb ft²]	$m_{solid-shaft}$ [kg]	[lb]	$m_{hollow-shaft}$ [kg]	[lb]	$m_{thrust-bearing}$ [kg]	[lb]
DST2-135K0..	325	240	0.09	2.1	0.13	3.1	97	214	82	181	126	278
DST2-135M0..	485	358	0.12	2.8	0.15	3.6	115	254	93	205	144	317
DST2-135L0..	645	476	0.15	3.6	0.17	4.0	132	291	105	231	161	355
DST2-135B0..	800	590	0.19	4.5	0.18	4.3	151	333	119	262	180	397
DST2-135X0..	950	701	0.22	5.2	0.20	4.7	168	370	130	287	197	434
DST2-135Y0..	1110	819	0.25	5.9	0.22	5.2	186	410	141	311	214	472

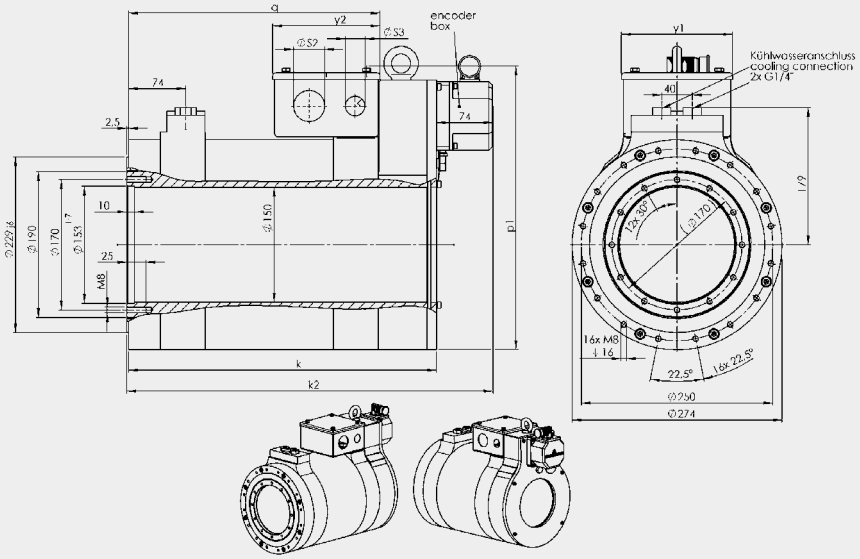
1) The maximum permissible operating speed for thrust bearing motors is 300 min⁻¹.
2) The maximum permissible operating speed for hollow shaft motors is 1000 min⁻¹.
3) The motor type is only available with solid shaft.

DST2-135 – Solid-shaft version, IM B14 design



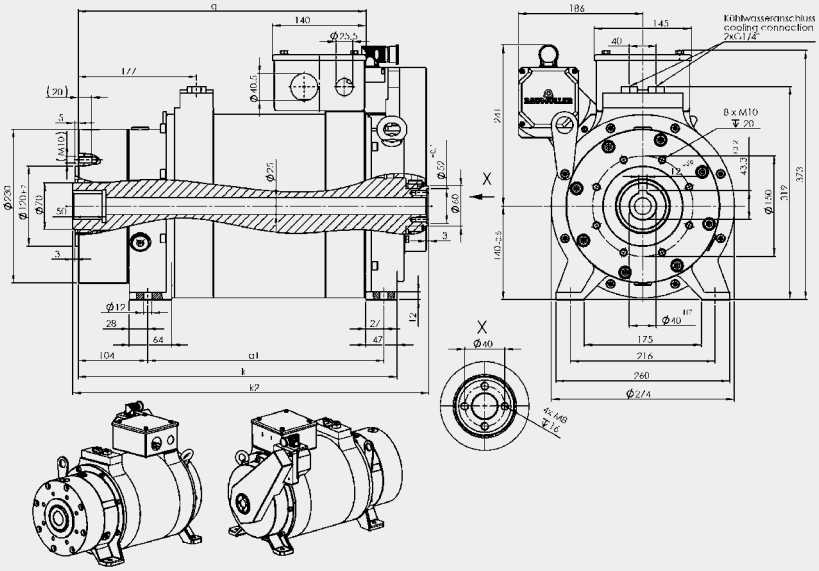
Motor type	k	k2	q1
DST2-135K0	432	482	235
DST2-135M0	474	524	277
DST2-135L0	516	566	319
DST2-135B0	558	608	361
DST2-135X0	600	650	403
DST2-135Y0	642	692	445

DST2-135 – Hollow-shaft version, IM B14 design



Motor type	k	k2	q
DST2-135K0	318	394	244
DST2-135M0	360	436	286
DST2-135L0	402	478	328
DST2-135B0	444	520	370
DST2-135X0	486	562	412
DST2-135Y0	528	604	454

DST2-135 – Thrust-bearing version, IM B34 design



Motor type	k	k2	q	a1
DST2-135K0	393	448	347	269
DST2-135M0	435	490	389	311
DST2-135L0	477	532	431	353
DST2-135B0	519	574	473	395
DST2-135X0	561	616	515	437
DST2-135Y0	603	658	557	479

DST2-200..54 W (IP 54 water-cooled)

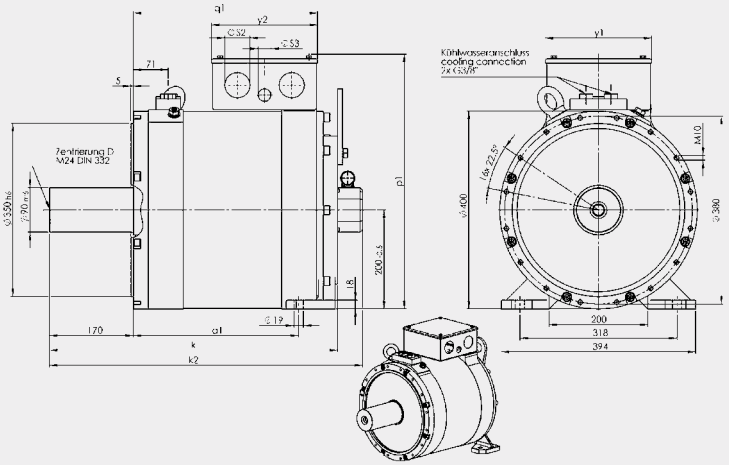
Mains voltage 3 AC 400 V for converters with unregulated supply

Motor type	n_N[1] [min⁻¹]	P_N [kW]	[hp]	M_N [Nm]	[lbf ft]	I_N [A]	U_N [V]	$I_{o,max}$ [A]	n_{max} [min⁻¹]
DST2-200KO54W-015-5	150	5.5	7.4	350	258	13.5	365	42.3	290
DST2-200KM54W-015-5		8.4	11.3	535	395	20	365	62	290
DST2-200MO54W-015-5		11	14.8	720	531	26.5	365	83	290
DST2-200ML54W-015-5		14	18.8	905	667	32.6	365	102	280
DST2-200LO54W-015-5		17	22.8	1070	789	37.7	365	117	270
DST2-200BO54W-015-5		23	30.8	1470	1084	52	365	160	280
DST2-200XO54W-015-5		29	38.9	1830	1350	65	365	200	280
DST2-200XY54W-015-5		32	42.9	2030	1497	72	365	225	280
DST2-200KO54W-030-5	300	11	14.8	355	262	25.6	365	80	560
DST2-200KM54W-030-5		17	22.8	540	398	38.6	365	121	570
DST2-200MO54W-030-5		23	30.8	725	535	51	365	160	560
DST2-200ML54W-030-5		29	38.9	910	671	63	365	195	550
DST2-200LO54W-030-5		35	46.9	1100	811	76	360	240	560
DST2-200BO54W-030-5		46	61.7	1480	1092	102	360	320	560
DST2-200XO54W-030-5		58	77.8	1840	1357	123	365	385	540
DST2-200XY54W-030-5		64	85.8	2030	1497	137	365	425	540
DST2-200KO54W-045-5	450	16	21.5	345	254	35.8	365	113	800
DST2-200KM54W-045-5		25	33.5	530	391	53	365	170	790
DST2-200MO54W-045-5		34	45.6	715	527	71	365	225	790
DST2-200ML54W-045-5		43	57.7	900	664	90	365	285	800
DST2-200LO54W-045-5		51	68.4	1090	804	108	365	340	800
DST2-200BO54W-045-5		69	92.5	1460	1077	144	365	450	790
DST2-200XO54W-045-5		86	115.3	1830	1350	180	365	570	800
DST2-200XY54W-045-5		95	127.4	2010	1482	195	365	615	790
DST2-200KO54W-060-5	600	21	28.2	340	251	47.9	365	155	1000
DST2-200KM54W-060-5		33	44.3	525	387	71	365	225	1000
DST2-200MO54W-060-5		44	59.0	705	520	92	365	295	1000
DST2-200ML54W-060-5		56	75.1	895	660	118	365	375	1000
DST2-200LO54W-060-5		68	91.2	1080	797	142	365	450	1000
DST2-200BO54W-060-5		91	122.0	1440	1062	185	365	590	1000
DST2-200XO54W-060-5		114	152.9	1810	1335	230	365	735	1000
DST2-200XY54W-060-5		126	169.0	2000	1475	255	365	810	1000
DST2-200KO54W-075-5	750	26	34.9	335	247	58	365	185	1000
DST2-200KM54W-075-5		41	55.0	515	380	88	365	285	1000
DST2-200MO54W-075-5		54	72.4	695	513	113	365	365	1000
DST2-200ML54W-075-5		69	92.5	875	645	141	365	450	1000
DST2-200LO54W-075-5		83	111.3	1060	782	170	365	550	1000
DST2-200BO54W-075-5		112	150.2	1430	1055	230	365	735	1000
DST2-200KO54W-100-5	1000	32	42.9	310	229	68	365	225	1000
DST2-200KM54W-100-5		50	67.1	480	354	100	365	335	1000
DST2-200MO54W-100-5		69	92.5	655	483	136	365	450	1000
DST2-200ML54W-100-5		88	118.0	840	620	175	365	570	1000
DST2-200LO54W-100-5		105	140.8	1000	738	205	365	670	1000

Motor type	$M_{o,max}$ [Nm]	[lbf ft]	$Jm_{solid-shaft}$ [kgm²]	[lb ft²]	$J_{hollow-shaft}$ [kgm²]	[lb ft²]	$m_{solid-shaft}$ [kg]	[lb]	$m_{hollow-shaft}$ [kg]	[lb]	$m_{thrust-bearing}$ [kg]	[lb]
DST2-200KO..	790	583	0.28	6.6	0.35	8.3	195	430	169	373	280	617
DST2-200KM..	1200	885	0.38	9.0	0.45	10.7	220	485	195	430	310	683
DST2-200MO..	1600	1180	0.49	11.6	0.55	13.1	257	567	221	487	341	752
DST2-200ML..	2010	1482	0.59	14.0	0.65	15.4	280	617	248	547	371	818
DST2-200LO..	2420	1785	0.70	16.6	0.75	17.8	316	697	274	604	401	884
DST2-200BO..	3230	2382	0.91	21.6	0.95	22.5	377	831	325	717	460	1014
DST2-200XO..	4050	2987	1.12	26.6	1.15	27.3	430	948	376	829	520	1146
DST2-200XY..	4450	3282	1.22	29.0	1.25	29.7	468	1032	403	888	551	1215

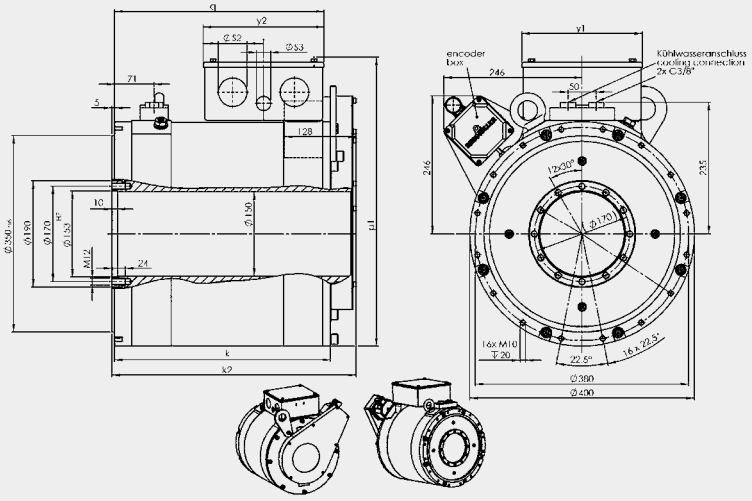
1) The maximum permissible operating speed for thrust bearing motors is 300 min⁻¹.

DST2-200 – Solid-shaft version, IM B34 design



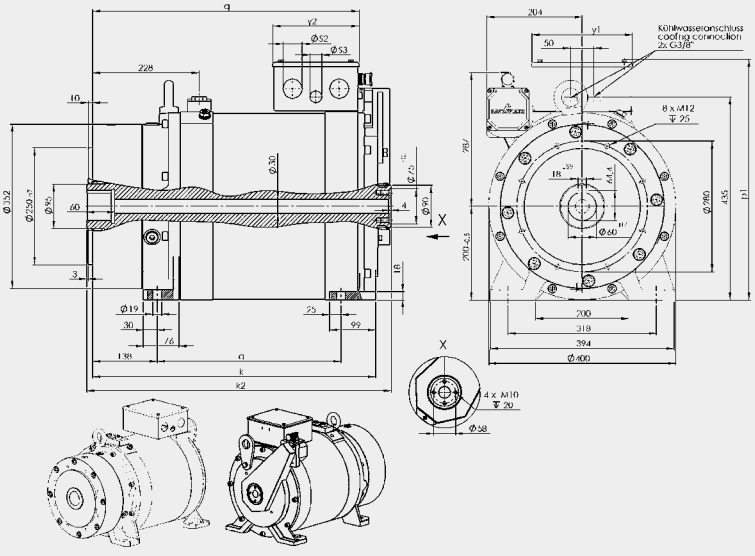
Motor type	k	k2	q1	a1
DST2-200K0	459	515	253	214.5
DST2-200KM	499	555	293	254.5
DST2-200M0	539	595	333	294.5
DST2-200ML	579	635	373	334.5
DST2-200L0	619	675	413	374.5
DST2-200B0	699	755	493	454.5
DST2-200X0	779	835	573	534.5
DST2-200XY	819	875	613	574.5

DST2-200 – Hollow-shaft version, IM B14 design



Motor type	k	k2	q
DST2-200 K0	265	316	253
DST2-200 KM	305	356	293
DST2-200 M0	345	396	333
DST2-200 ML	385	436	373
DST2-200 L0	425	476	413
DST2-200 B0	505	556	493
DST2-200 X0	585	636	573
DST2-200 XY	625	676	613

DST2-200 – Thrust-bearing version, IM B34 design



Motor type	k	k2	q	a
DST2-200 K0	446	493	411	234
DST2-200 KM	486	533	451	274
DST2-200 M0	526	573	491	314
DST2-200 ML	566	613	531	354
DST2-200 L0	606	653	571	394
DST2-200 B0	686	733	651	474
DST2-200 X0	766	813	731	554
DST2-200 XY	806	853	771	594

DST2-260..54 W (IP 54 water-cooled)

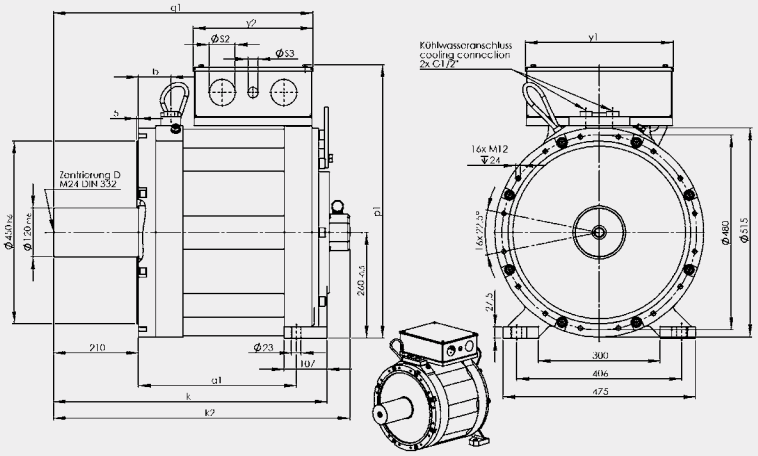
Mains voltage 3 AC 400 V for converters with unregulated supply

Motor type	n_N[1)] [min⁻¹]	P_N [kW]	[hp]	M_N [Nm]	[lbf ft]	I_N [A]	U_N [V]	$I_{o,max}$ [A]	n_{max} [min⁻¹]
DST2-260K054W-015-5	150	20	27	1280	944	45.5	365	103	270
DST2-260KM54W-015-5		27	36	1720	1268	59	365	155	270
DST2-260M054W-015-5		34	46	2160	1593	74	365	195	270
DST2-260ML54W-015-5		41	55	2590	1910	88	365	200	260
DST2-260L054W-015-5		48	64	3030	2235	102	365	270	260
DST2-260LB54W-015-5		56	75	3540	2611	117	365	280	270
DST2-260B054W-015-5		61	82	3910	2883	131	365	350	260
DST2-260X054W-015-5		75	101	4760	3510	160	365	420	260
DST2-260K054W-030-5	300	39	52	1240	914	83	365	195	520
DST2-260KM54W-030-5		52	70	1660	1224	109	365	300	510
DST2-260M054W-030-5		65	87	2080	1534	135	365	370	510
DST2-260ML54W-030-5		79	106	2510	1851	160	365	375	500
DST2-260L054W-030-5		92	123	2940	2168	190	365	515	500
DST2-260LB54W-030-5		109	146	3460	2552	215	365	540	510
DST2-260B054W-030-5		119	160	3800	2802	240	365	665	500
DST2-260X054W-030-5		146	196	4650	3429	295	365	810	500
DST2-260K054W-045-5	450	57	76	1200	885	120	365	285	600
DST2-260KM54W-045-5		76	102	1620	1195	155	365	440	600
DST2-260M054W-045-5		96	129	2030	1497	195	365	545	600
DST2-260ML54W-045-5		116	156	2460	1814	235	365	565	600
DST2-260L054W-045-5		136	182	2890	2131	275	365	775	600
DST2-260LB54W-045-5		160	215	3390	2500	315	365	795	600
DST2-260B054W-045-5		175	235	3710	2736	350	365	980	600
DST2-260X054W-045-5		210	282	4490	3311	415	365	1165	600
DST2-260K054W-060-5	600	73	98	1160	855	155	365	375	600
DST2-260KM54W-060-5		99	133	1570	1158	205	365	580	600
DST2-260M054W-060-5		124	166	1980	1460	250	365	715	600
DST2-260ML54W-060-5		149	200	2380	1755	295	365	720	600
DST2-260L054W-060-5		175	235	2780	2050	345	365	980	600
DST2-260LB54W-060-5		210	282	3340	2463	410	365	1050	600
DST2-260B054W-060-5		225	302	3570	2633	435	365	1245	600

Motor type	$M_{o,max}$ [Nm]	[lbf ft]	$J_{solid-shaft}$ [kgm²]	[lb ft²]	$J_{hollow-shaft}$ [kgm²]	[lb ft²]	$m_{solid-shaft}$ [kg]	[lb]	$m_{hollow-shaft}$ [kg]	[lb]	$m_{thrust-bearing}$ [kg]	[lb]
DST2-260K0..	2410	1778	1.3	30.8	1.4	33.2	377	831	352	776	558	1230
DST2-260KM..	3500	2581	1.7	40.3	1.8	42.7	435	959	405	893	616	1358
DST2-260M0..	4390	3238	2.1	49.8	2.2	52.2	493	1087	457	1008	673	1484
DST2-260ML..	4890	3607	2.5	59.3	2.6	61.7	549	1210	508	1120	729	1607
DST2-260L0..	6200	4573	2.9	68.8	3.0	71.2	605	1334	559	1232	785	1731
DST2-260LB..	6900	5089	3.3	78.3	3.4	80.7	673	1484	623	1373	853	1881
DST2-260B0..	8000	5900	3.6	85.4	3.8	90.2	741	1634	686	1512	920	2028
DST2-260X0..	9800	7228	4.4	104.4	4.5	106.8	858	1892	791	1744	1035	2282

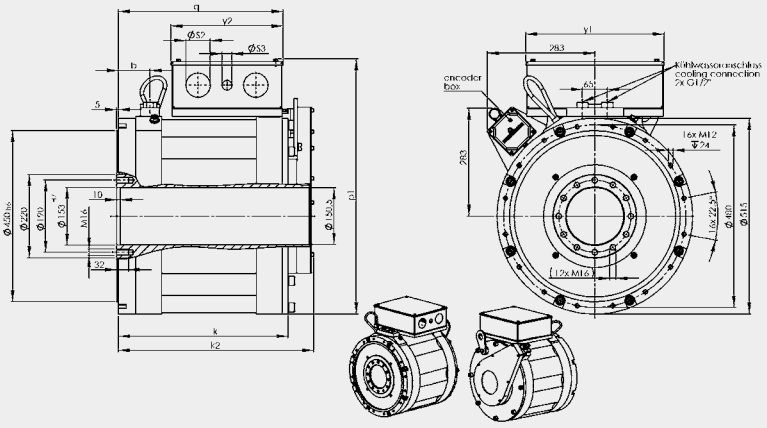
1) The maximum permissible operating speed for thrust bearing motors is 300 min⁻¹.

DST2-260 – Solid-shaft version, IM B34 design



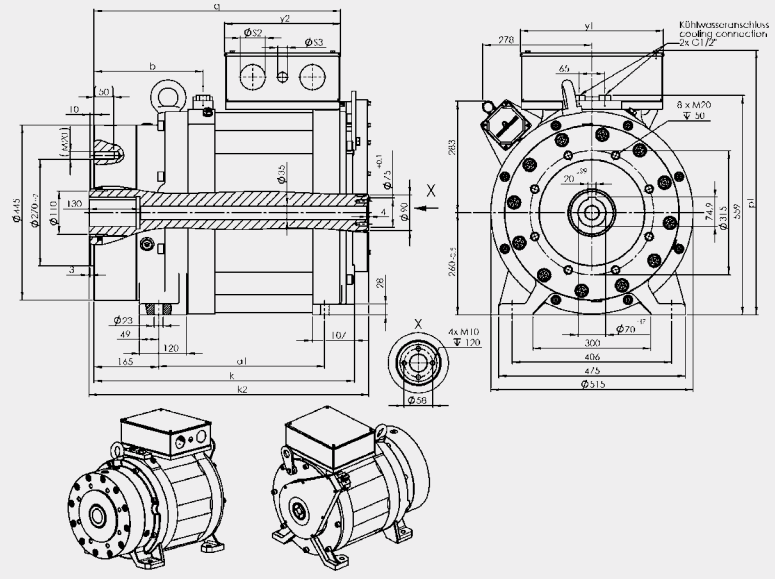
Motor type	k	k2	q1	a1	b
DST2-260K0	575	631	540	289	80
DST2-260KM	625	681	590	339	80
DST2-260M0	675	731	640	389	80
DST2-260ML	725	781	690	439	80
DST2-260L0	775	831	740	489	80
DST2-260LB	870	926	835	584	102
DST2-260B0	920	976	885	634	102
DST2-260X0	1020	1076	985	734	102

DST2-260 – Hollow-shaft version, IM B14 design



Motor type	k	k2	q	b
DST2-260K0	347	415	334	84
DST2-260KM	397	465	384	84
DST2-260M0	447	515	434	84
DST2-260ML	497	565	484	84
DST2-260L0	547	615	534	84
DST2-260LB	642	665	629	106
DST2-260B0	692	715	679	106
DST2-260X0	792	860	779	106

DST2-260 – Thrust-bearing version, IM B34 design



Motor type	k	k2	q	a1	b
DST2-260 K0	563	613	528	322	278
DST2-260 KM	613	663	578	372	278
DST2-260 M0	663	713	628	422	278
DST2-260 ML	713	763	678	472	278
DST2-260 L0	763	813	728	522	278
DST2-260 LB	858	908	823	617	300
DST2-260 B0	908	958	873	667	300
DST2-260 X0	1008	1058	973	767	300

DST2-315..54 W (IP 54 water-cooled)

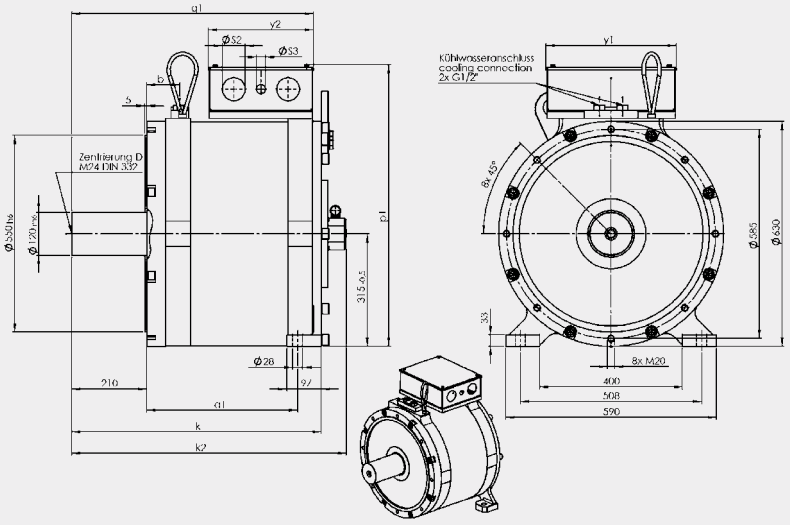
Mains voltage 3 AC 400 V for converters with unregulated supply

Motor type	n_N[1] [min⁻¹]	P_N [kW]	[hp]	M_N [Nm]	[lbf ft]	I_N [A]	U_N [V]	$I_{o,max}$ [A]	n_{max} [min⁻¹]
DST2-315KO54W-010-5	100	16	21	1520	1121	35.5	365	112	180
DST2-315KM54W-010-5		22	30	2060	1519	48.9	365	150	180
DST2-315MO54W-010-5		27	36	2620	1932	61	365	190	190
DST2-315ML54W-010-5		33	44	3170	2338	74	365	230	190
DST2-315LO54W-010-5		39	52	3710	2736	86	365	265	190
DST2-315LB54W-010-5		44	59	4240	3127	98	365	300	180
DST2-315BO54W-010-5		50	67	4790	3533	111	365	340	190
DST2-315XO54W-010-5		61	82	5900	4352	134	365	415	180
DST2-315XY54W-010-5		67	90	6400	4720	147	365	455	190
DST2-315YO54W-010-5		73	98	7000	5163	160	365	495	190
DST2-315ZO54W-010-5		85	114	8100	5974	190	365	580	190
DST2-315ZA54W-010-5		90	121	8600	6343	195	365	605	190
DST2-315KO54W-020-5	200	31	42	1490	1099	69	365	220	360
DST2-315KM54W-020-5		43	58	2030	1497	93	365	295	370
DST2-315MO54W-020-5		54	72	2570	1896	117	365	370	370
DST2-315ML54W-020-5		65	87	3110	2294	141	365	445	370
DST2-315LO54W-020-5		76	102	3650	2692	165	365	520	370
DST2-315LB54W-020-5		88	118	4180	3083	185	365	595	370
DST2-315BO54W-020-5		99	133	4740	3496	215	365	675	370
DST2-315XO54W-020-5		121	162	5800	4278	255	365	810	360
DST2-315XY54W-020-5		132	177	6300	4647	280	365	885	360
DST2-315YO54W-020-5		144	193	6900	5089	305	365	975	370
DST2-315ZO54W-020-5		166	223	7900	5827	355	365	1125	370
DST2-315ZA54W-020-5		176	236	8400	6196	370	365	1170	360
DST2-315KO54W-030-5	300	45	60	1420	1047	99	365	325	500
DST2-315KM54W-030-5		61	82	1940	1431	131	365	435	500
DST2-315MO54W-030-5		77	103	2460	1814	165	365	550	500
DST2-315ML54W-030-5		94	126	2990	2205	200	365	660	500
DST2-315LO54W-030-5		110	148	3500	2581	230	365	765	500
DST2-315LB54W-030-5		126	169	4020	2965	270	365	885	500
DST2-315BO54W-030-5		142	190	4510	3326	295	365	975	500
DST2-315XO54W-030-5		175	235	5600	4130	370	365	1220	500
DST2-315XY54W-030-5		192	257	6100	4499	405	365	1330	500
DST2-315YO54W-030-5		210	282	6600	4868	445	360	1465	500
DST2-315ZO54W-030-5		240	322	7600	5605	495	365	1630	500
DST2-315ZA54W-030-5		255	342	8100	5974	525	365	1730	500
DST2-315KO54W-040-5	400	55	74	1310	966	121	365	420	500
DST2-315KM54W-040-5		76	102	1810	1335	160	365	560	500
DST2-315MO54W-040-5		97	130	2310	1704	205	365	710	500
DST2-315ML54W-040-5		116	156	2780	2050	240	365	835	500
DST2-315LO54W-040-5		137	184	3270	2412	280	365	975	500
DST2-315LB54W-040-5		158	212	3770	2781	325	365	1125	500
DST2-315BO54W-040-5		179	240	4270	3149	365	365	1275	500
DST2-315XO54W-040-5		220	295	5200	3835	445	365	1545	500
DST2-315XY54W-040-5		235	315	5700	4204	470	365	1630	500
DST2-315YO54W-040-5		260	349	6200	4573	525	365	1840	500
DST2-315KO54W-050-5	500	63	84	1200	885	139	365	520	500
DST2-315KM54W-050-5		87	117	1660	1224	185	365	695	500
DST2-315MO54W-050-5		112	150	2140	1578	235	365	885	500
DST2-315ML54W-050-5		136	182	2590	1910	280	365	1045	500
DST2-315LO54W-050-5		160	215	3050	2250	325	365	1220	500
DST2-315LB54W-050-5		184	247	3510	2589	375	365	1395	500
DST2-315BO54W-050-5		205	275	3960	2921	415	365	1545	500
DST2-315XO54W-050-5		255	342	4830	3562	495	365	1840	500
DST2-315XY54W-050-5		280	375	5400	3983	565	365	2105	500

Motor type	$M_{0,max}$ [Nm]	$M_{0,max}$ [lbf ft]	$J_{solid-shaft}$ [kgm²]	$J_{solid-shaft}$ [lb ft²]	$J_{hollow-shaft}$ [kgm²]	$J_{hollow-shaft}$ [lb ft²]	$m_{solid-shaft}$ [kg]	$m_{solid-shaft}$ [lb]	$m_{hollow-shaft}$ [kg]	$m_{hollow-shaft}$ [lb]	$m_{thrust-bearing}$ [kg]	$m_{thrust-bearing}$ [lb]
DST2-315K0..	3330	2456	2.4	57.0	2.3	54.6	448	988	438	966	718	1583
DST2-315KM..	4490	3312	3.1	73.6	2.9	68.8	495	1091	483	1065	774	1706
DST2-315M0..	5600	4130	3.8	90.2	3.6	85.4	550	1213	532	1173	830	1830
DST2-315ML..	6800	5015	4.4	104.4	4.3	102.0	610	1345	589	1299	886	1953
DST2-315L0..	8000	5900	5.0	118.7	5.2	123.4	665	1466	639	1409	942	2077
DST2-315LB..	9100	6712	5.7	135.3	6.1	144.8	729	1607	690	1521	998	2200
DST2-315B0..	10300	7597	6.4	151.9	7.3	173.2	821	1810	779	1717	1088	2399
DST2-315X0..	12600	9293	7.7	182.7	8.6	204.1	930	2050	882	1944	1163	2564
DST2-315XY..	13700	10105	8.4	199.3	9.3	220.7	985	2172	926	2041	1238	2729
DST2-315Y0..	14900	10990	9.0	213.6	9.9	234.9	1045	2304	981	2163	1311	2890
DST2-315Z0..	17200	12686	10.3	244.4	11.3	268.1	1150	2535	1085	2392	1395	3075
DST2-315ZA..	18400	13571	11.0	261.0	11.9	282.4	1213	2674	1133	2498	1479	3261

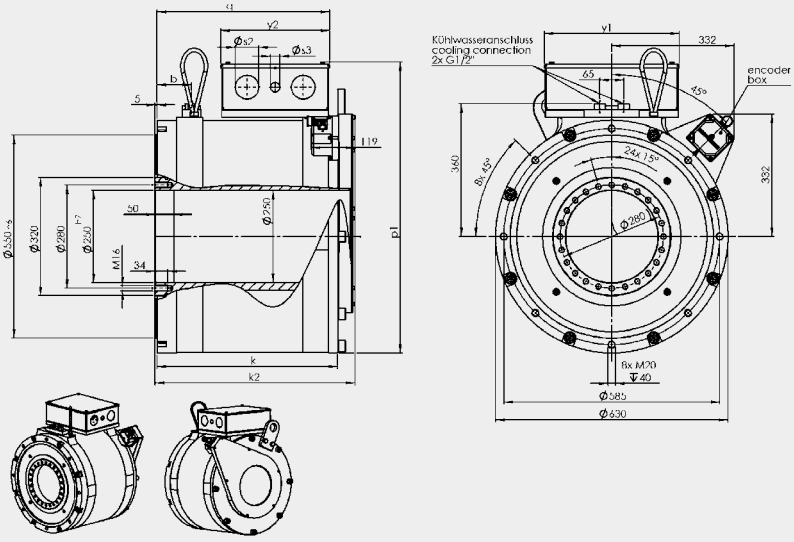
1) The maximum permissible operating speed for thrust bearing motors is 300 min⁻¹.

DST2-315 – Solid-shaft version, IM B34 design



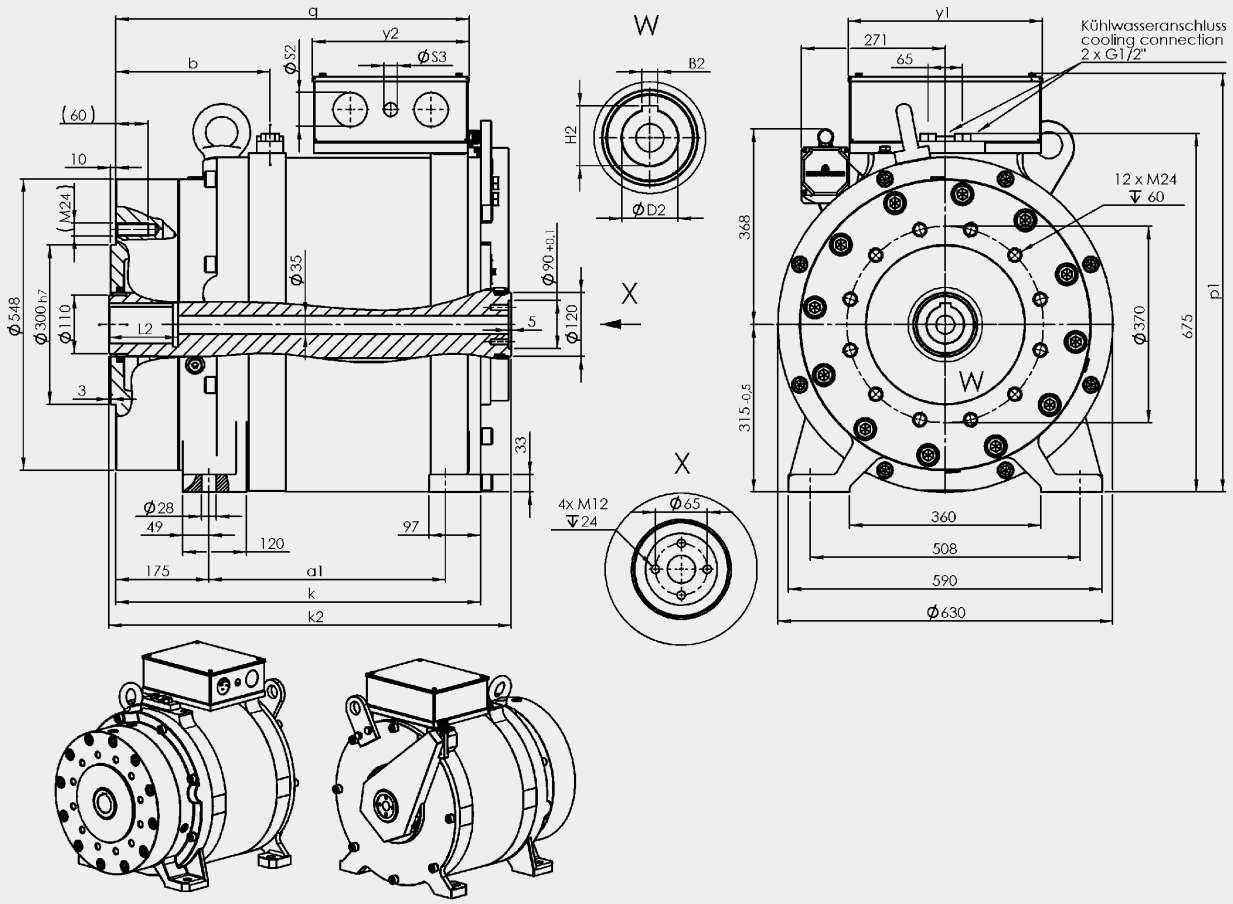
Motor type	k	k2	q1	a1
DST2-315K0	529	599	508	253
DST2-315KM	563	633	542	287
DST2-315M0	597	667	576	321
DST2-315ML	631	701	610	355
DST2-315L0	665	735	644	389
DST2-315LB	699	769	678	423
DST2-315B0	783	853	762	507
DST2-315X0	851	921	830	575
DST2-315XY	885	955	864	609
DST2-315Y0	919	989	898	643
DST2-315Z0	987	1057	966	711
DST2-315ZA	1021	1091	1000	745

DST2-315 – Hollow-shaft version, IM B14 design



Motor type	k	k2	q	b
DST2-315 K0	319	372	295	93
DST2-315 KM	353	406	329	93
DST2-315 M0	387	440	363	93
DST2-315 ML	421	474	397	93
DST2-315 L0	455	508	431	93
DST2-315 LB	489	542	465	93
DST2-315 B0	573	626	549	118
DST2-315 X0	641	694	617	118
DST2-315 XY	675	728	651	118
DST2-315 Y0	709	762	685	118
DST2-315 Z0	777	830	753	118
DST2-315 ZA	811	864	787	118

DST2-315 – Thrust-bearing version, IM B34 design



Motor type	k	k2	q	a1	b	ØD2	L2	H2	B2
DST2-315 K0	516	587	495	275	290	70 H7	130	74.9	20 JS9
DST2-315 KM	550	621	529	309	290	70 H7	130	74.9	20 JS9
DST2-315 M0	584	655	563	343	290	70 H7	130	74.9	20 JS9
DST2-315 ML	618	689	597	377	290	70 H7	130	74.9	20 JS9
DST2-315 L0	652	723	631	411	290	70 H7	130	74.9	20 JS9
DST2-315 LB	686	757	665	445	290	70 H7	130	74.9	20 JS9
DST2-315 B0	770	841	749	529	315	85 H7	170	90.4	25 JS9
DST2-315 X0	838	909	817	597	315	85 H7	170	90.4	25 JS9
DST2-315 XY	872	943	851	631	315	85 H7	170	90.4	25 JS9
DST2-315 Y0	906	977	885	665	315	85 H7	170	90.4	25 JS9
DST2-315 Z0	974	1045	953	733	315	85 H7	170	90.4	25 JS9
DST2-315 ZA	1008	1079	987	767	315	85 H7	170	90.4	25 JS9

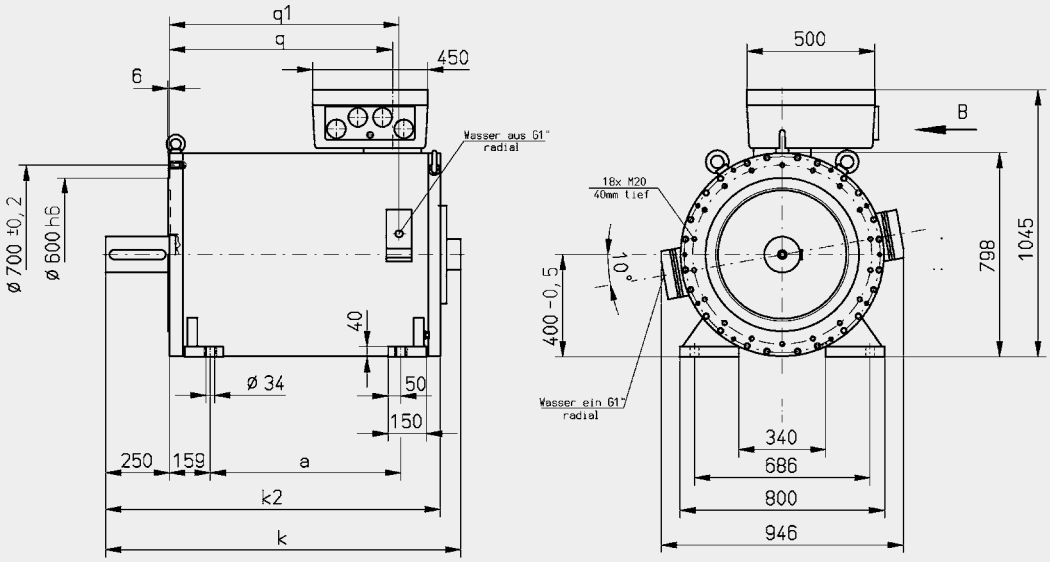
DST2-400..54 W (IP 54 water-cooled)

Mains voltage 3 AC 400 V for converters with unregulated supply

Motor type	n_N [min^{-1}]	P_N [kW]	[hp]	M_N [Nm]	[lbf ft]	I_N [A]	U_N [V]	$I_{o,max}$ [A]	n_{max} [min^{-1}]
DST2-400K054W-010-5	100	94	126	9000	6638	205	365	385	170
DST2-400KM54W-010-5		106	142	10100	7449	230	365	430	170
DST2-400M054W-010-5		117	157	11200	8261	255	365	475	170
DST2-400L054W-010-5		139	186	13300	9810	300	365	565	170
DST2-400B054W-010-5		161	216	15400	11358	345	365	665	170
DST2-400XY54W-010-5		200	268	19100	14087	435	365	815	170
DST2-400K054W-015-5	150	143	192	9100	6712	310	365	580	260
DST2-400KM54W-015-5		161	216	10200	7523	345	365	645	260
DST2-400M054W-015-5		177	237	11200	8261	380	365	710	260
DST2-400L054W-015-5		210	282	13400	9883	450	365	850	260
DST2-400B054W-015-5		245	329	15500	11432	520	365	1005	260
DST2-400XY54W-015-5		305	409	19300	14235	655	365	1230	260
DST2-400K054W-020-5	200	190	255	9100	6712	405	365	760	300
DST2-400KM54W-020-5		210	282	10100	7449	450	365	850	300
DST2-400M054W-020-5		240	322	11400	8408	510	365	960	300
DST2-400L054W-020-5		285	382	13700	10105	620	365	1165	300
DST2-400B054W-020-5		320	429	15300	11285	670	365	1305	300
DST2-400K054W-025-5	250	240	322	9100	6712	510	365	960	300
DST2-400KM54W-025-5		265	355	10100	7449	560	365	1055	300
DST2-400M054W-025-5		295	396	11200	8261	620	365	1165	300
DST2-400K054W-030-5	300	285	382	9100	6712	620	365	1165	300

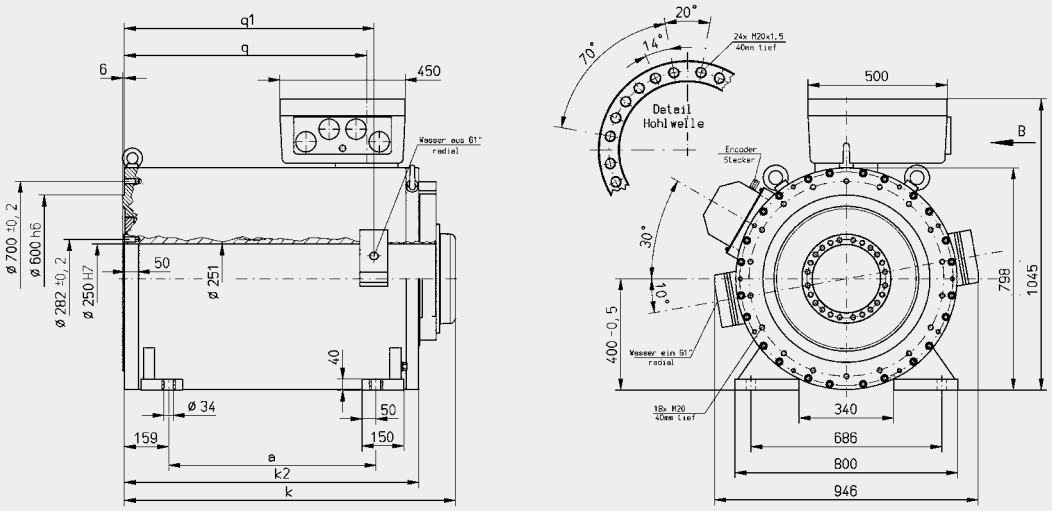
Motor type	$M_{o,max}$ [Nm]	[lbf ft]	$J_{solid-shaft}$ [kgm^2]	[lb ft^2]	$J_{hollow-shaft}$ [kgm^2]	[lb ft^2]	$m_{solid-shaft}$ [kg]	[lb]	$m_{hollow-shaft}$ [kg]	[lb]	$m_{thrust-bearing}$ [kg]	[lb]
DST2-400K0..	15400	11358	20.1	477.0	20.6	488.8	2135	4707	1760	3880	2230	4916
DST2-400KM..	17400	12834	22.6	536.3	23.2	550.5	2295	5060	1900	4189	2490	5490
DST2-400M0..	19300	14235	25.1	595.6	25.8	612.2	2455	5412	2045	4508	2650	5842
DST2-400L0..	23200	17111	30.1	714.3	30.9	733.3	2775	6118	2325	5126	2970	6548
DST2-400B0..	27100	19988	35.1	832.9	36.1	856.7	3095	6823	2605	5743	3290	7253
DST2-400XY..	32900	24266	42.6	1010.9	43.9	1041.7	3575	7882	3030	6680	3770	8311

DST2-400 – Solid-shaft version, IM B34 design



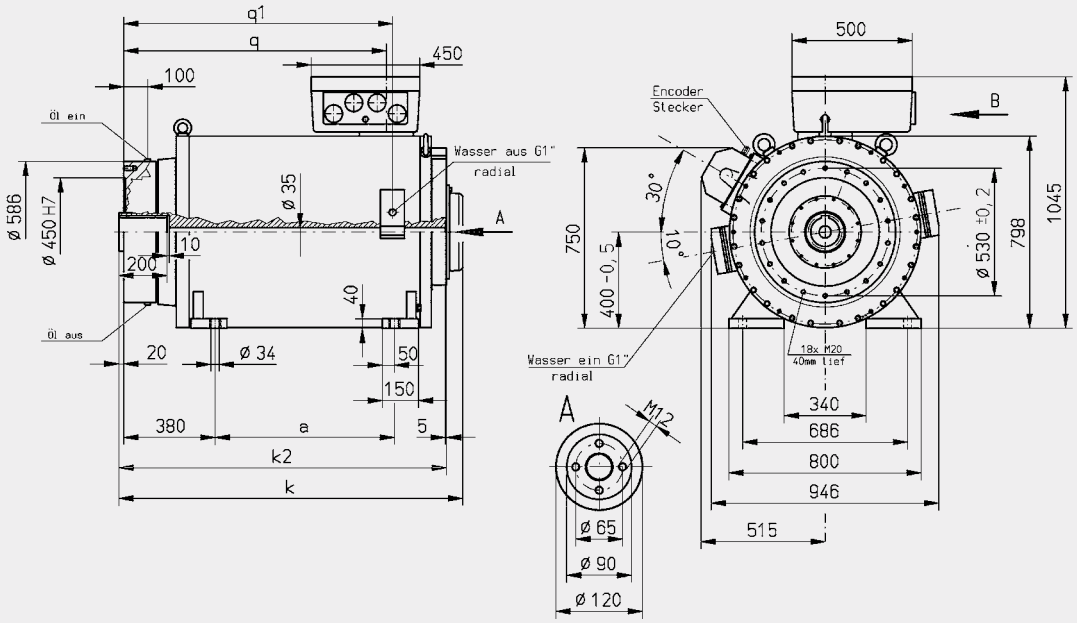
Motor type	k	k2	q	q1	a
DST2-400 K0	1088	1008	571	597	445
DST2-400 KM	1138	1058	621	647	495
DST2-400 M0	1188	1108	671	697	545
DST2-400 L0	1288	1208	771	797	645
DST2-400 B0	1388	1308	871	897	745
DST2-400 XY	1538	1458	1021	1047	895

DST2-400 – Hollow-shaft version, IM B34 design



Motor type	k	k2	q	q1	a
DST2-400 K0	890	758	571	597	445
DST2-400 KM	940	808	621	647	495
DST2-400 M0	990	858	671	697	545
DST2-400 L0	1090	958	771	797	645
DST2-400 B0	1190	1058	871	897	745
DST2-400 XY	1340	1208	1021	1047	895

DST2-400 – Thrust-bearing version, IM B34 design

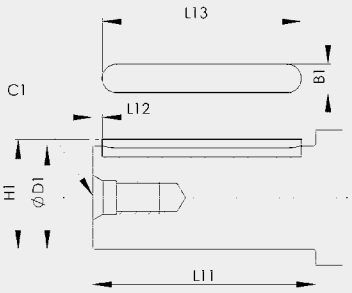


Motor type	k	k2	q	q1	a
DST2-400 K0	1130	1062	792	818	445
DST2-400 KM	1180	1112	842	868	495
DST2-400 M0	1230	1162	892	918	545
DST2-400 L0	1330	1262	992	1018	645
DST2-400 B0	1430	1362	1092	1118	745
DST2-400 XY	1580	1512	1242	1268	895

DST shaft options

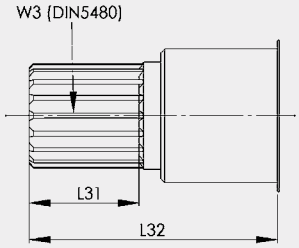
Shaft with key

Solid-shaft version	ØD1	L11	L12	L13	B1	H1	C1
DST2-135	65 m6	140	6	125	18	69	DIN 332 D M20
DST2-200	90 m6	170	10	140	25	95	DIN 332 D M24
DST2-260	120 m6	210	10	180	32	127	DIN 332 D M24
DST2-315	120 m6	210	10	180	32	127	DIN 332 D M24
DST2-400	140 m6	250	10	220	36	148	DIN 332 D M24

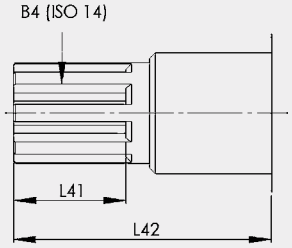


Shaft with male spline

	acc. to DIN 5480		
Solid-shaft version	W3	L31	L32
DST2-135	W48x2x22x8e	48	97
DST2-200	W70x3x22x8e	72	117
DST2-260	W80x3x25x8e	80	132
DST2-315	W110x4x26x8e	144	210
DST2-400	W130x3x42x8e	150	200

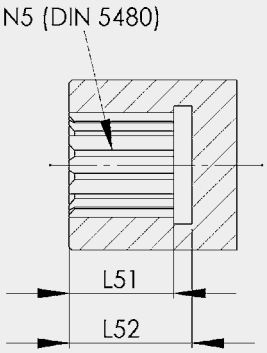


	acc. to DIN ISO 14		
Solid-shaft version	B4	L41	L42
DST2-135	B8x42x48	48	102
DST2-200	B8x62x72	72	117
DST2-260	B10x72x82	80	146
DST2-315	B10x102x112	144	210
DST2-400	B10x112x125	150	200



Shaft with female spline for solid-shaft and thrust-bearing motors

	acc. to DIN 5480		
	N5	L51	L52
DST2-135K0 – Y0	N40x3x12x9H	40	47
DST2-200K0 – B0	N55x3x17x9H	45	53
DST2-200X0 – XY	N65x3x20x9H	50	60
DST2-260K0 – B0	N75x3x24x9H	57	67
DST2-260X0	N85x3x27x9H	75	89
DST2-315K0 – LB	N85x3x27x9H[1)]	75	89
DST2-315B0 – ZA	N100x3x32x9H[2)]	92	110
DST2-400K0 – M0	N100x3x32x9H	100	110
DST2-400L0 – XY	N130x3x42x9H	120	130

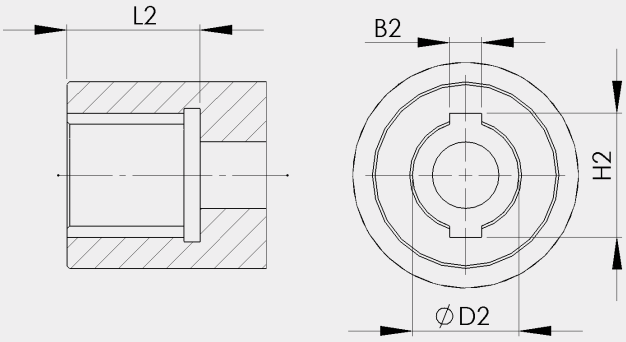


1) Available for thrust-bearing motors DST2-315 K0 – ZA.
The max. transmittable torque is 1,25 x static torque [Mo]!
2) Not available for thrust-bearing motors

Shaft with a blind hole and 2 keys for thrust-bearing motors

Thrust-bearing version	Ø D2	L2	H2	B2
DST2-135	40H7	50	46.6	12
DST2-200	60H7	60	68.8	18
DST2-260	70H7	130	79.8	20
DST2-315K0 – LB	70H7	130	79.8	20
DST2-315B0 – ZA	85H7	170	95.8	25
DST2-400K0 – M0	95H7	200	105.8	25
DST2-400L0 – XY	120H7	200	134.8	32

The max. transmittable torque with one or two keys is 1,25 x static torque [Mo]!



22 33 44 55 66 77 88 99

11

4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 1

b maXX 4000 has up to eleven slots for plug-in modules and can therefore be individually adapted for special automation tasks. The plug-in b maXX-drivePLC module provides integrated intelligent control.

Safety

b maXX 5000 – unachieved dynamics and compactness

News from the pioneer of direct drive technology: We present to you the new alignable drive system b maXX 5000 as supplement of our successful b maXX 4000 range. The new range offers a performance spectrum of 1 kW to 35 kW in a rack system. With power supplied and regenerative systems, b maXX 5000 can be use worldwide as an energy efficient drive system. With its Connect Drive System, which enables you to commission our drives efficiently and economically, it displays the perfect expansion of our existing product range. Be successful easily with motion at its best.

b maXX 4400 – modular, scalable, open

Baumüller's approved automation and drive solution b maXX can be adapted to the corresponding demands with respect to performance and equipment through its modularity and flexibility. b maXX 4400 offers a power spectrum from 1,1 kW up to 315 kW with different cooling concepts, such as air and water cooling or cold plate variants. With the series b maXX 4100 a regenerative system is at your disposal, which inserts itself smoothly into the automation solution b maXX. Functional safety relay integrated into the drive available as an option. The peak load and rated load devices supplement the proven bmaXX series and are available in five frame sizes. Whether you need maximum output for continuous operation or only for short durations, the b maXX series offers a customized drive solution for every application.

b maXX 3300 – versatile mini servo controller

The servo inverter b maXX 3300 is a high-quality servo controller with integrated position control for power ratings up to 5 kW. b maXX 3300 excels through its compact, space-saving design. The field-oriented control provides for excellent performance. Higher-level speed and position control ensure dynamic and exact positioning. The servo controller is specifically designed for operation with the DSD 28–100 servomotors and the pancake and linear motor series from Baumüller. Functional safety relay integrated into the drive available as an option.

b maXX 2000 – compact mini servo controller

b maXX 2000 rounds off the converter and controller generation b maXX at the lower end of the power range. The mini servo controller can be built into the control cabinet (b maXX 2400) or integrated into motors in the series DSD 28–36 (b maXX 2300). The integration of the controller and power electronics significantly reduces the amount of cabling that is required. Availability is significantly increased and maintenance is substantially reduced.

b maXX 1000 – highly efficient frequency converter

For a vector control of standard electric motors Baumüller added an high-efficient and easily to operated frequency converter into the program: The b maXX 1000 is available in three sizes with capacity ranges from 0.2 to 11 kW. An integrated EMV filter and various protection and overload monitoring functions ensure a troublefree operation. An extensive control and data management system ensures a continuously and exact overview of the current drive status.

Configuring information

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Title ☐ Mr. ☐ Mrs. ☐ Dr. ☐ Prof.

Name _____

Company _____

Department _____

Country _____

Street, No. _____

Zip code, City _____

Telephone _____

Fax _____

E-Mail _____

Configure your customized direct drive

Frame size: ☐ 135 ☐ 200 ☐ 260 ☐ 315 ☐ 400

Length: ☐ K0 ☐ KM ☐ M0 ☐ ML ☐ L0 ☐ LB ☐ B0 ☐ X0 ☐ XY ☐ Y0 ☐ Z0 ☐ ZA

Protection class: ☐ IP54 ☐ IP00

Nominal speed: ☐ 100 rpm ☐ 150 rpm ☐ 175 rpm ☐ 200 rpm
☐ 250 rpm ☐ 300 rpm ☐ 350 rpm ☐ 400 rpm
☐ 450 rpm ☐ 500 rpm ☐ 550 rpm ☐ 600 rpm
☐ 750 rpm ☐ 1000 rpm ☐ 1500 rpm

Encoder type: ☐ Resolver ☐ SRS50 ☐ SRM50 ☐ ECN1313
☐ EQN1325 ☐ ECN1325 ☐ EQN1337 ☐ Without encoder

Shaft type: ☐ Solid-shaft ☐ Hollow-shaft ☐ Thrust-bearing

Shaft options: ☐ Smooth-shaft ☐ With key
☐ DIN 5480 female spline ☐ DIN 5480 male spline
☐ DIN ISO14 male spline ☐ Blind hole with key
☐ Blind hole with 2 keys

Design: ☐ IM B14 ☐ IM B34 - Base B-side ☐ IM B34 - Base A- and B-sides

Position of main connection: ☐ B-side, top ☐ B-side, bottom
☐ B-side left with viewing direction A-side towards shaft end
☐ B-side right with viewing direction A-side towards shaft end

Main connection exit: ☐ Top ☐ Bottom ☐ Left with viewing direction A-side towards shaft end
☐ Right with viewing direction A-side towards shaft end

Notes:

_____

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For more detailed information, please refer to the relevant technical documentation.

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