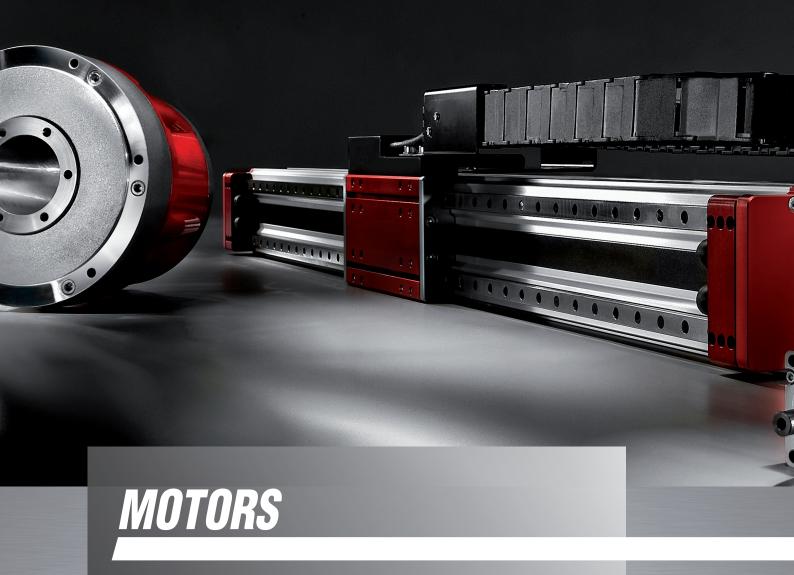


MOTORS





PERFORMANCE MAKING MOTION

Motor Power Company www.motorpowerco.com info@motorpowerco.it

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SEE IT BEFORE IT HAPPENS





WELCOME TO MOTOR POWER COMPANY

otor Power Company's depth of expertise leads to reliable motors advanced applicationsdirect drive, brushless and DC technology-that moves with force, precision and efficiency, guaranteeing excellent performance and energy saving, by supporting minimal environmental impact industries. Our standard product range highlights reliability, performance and quality features. From this core technology, which remains the foundation of our business, we create personalized solutions and application-specific devices, usually by working side by side with the customer-these are genuine collaborations that bring in each party's expertise to create practical, highly innovative solutions.

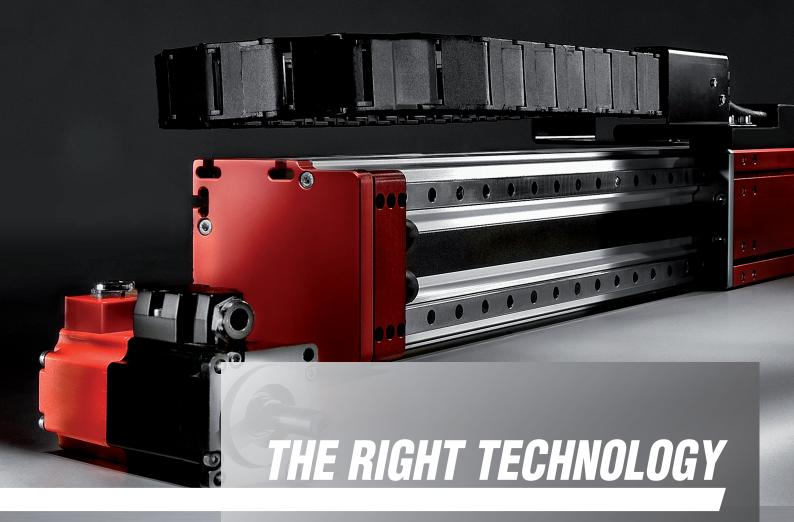
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otor Power Company's approach to the market to our customers, by way of our know-how and experience is simple: we identify a need and implement a solution. Our long-term investments in the study of motion have created a deep well of knowledge in all aspects of motion technology. The result is an innate ability to come up with original ideas that distinguishes Motor Power Company and allows the design and final performance of our products to stand out in the market.



WE MAKE IT HAPPEN

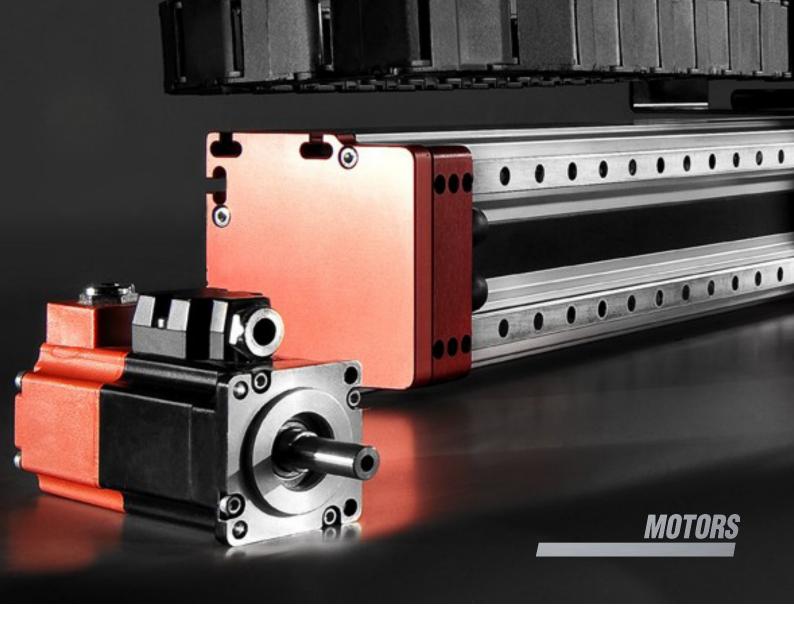
DIRECT DRIVE TECHNOLOGY

BRUSHLESS TECHNOLOGY

DIRECT CURRENT TECHNOLOGY







otor Power Company started with the design and manufacture of superior quality motors and servomotors, and it has continued to lead the industry in these technologies as they have developed over time. We have identified three specialized segments of industrial handling—material handling, material processing, testing & measurement—and created an approach that applies our technical skills in mechanical engineering, electromechanics, electronics and mechatronics to each segment and to their integration. The synergy between these disciplines and our experience in bringing them together seamlessly enables us to offer solutions that are both more specific and more integrated.

DIRECT DRIVE TECHNOLOGY



SKA DDL DIRECT DRIVE LINEAR MOTORS

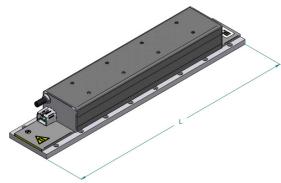
Synchronous direct-drive linear motors based on iron-core technology. SKA DDL provides tangible solutions and achieves a level of performance that was previously impossible with conventional kinematic chains. The direct-drive technology leads to exceptional results in dynamics, performance, positioning precision and energy savings. SKA DDL is available in frameless version, which includes moving coil with embedded thermal sensor and magnetic track.

FEATURE 40 - 2400N rated force 5m/s speed

50m/s² acceleration

CE - UL certified





Motor type	Peak force (N)	Rated force (N)	Max speed (m/s)	Max acceleration (m/s²)	Coil lenght A (mm)	Magnetick track L (mm)
SKA DDL 30.40	134.8	40	5	50	102	
SKA DDL 30.80	269.6	80	5	50	186	
SKA DDL 50.75	247	75	5	50	102	
SKA DDL 50.150	495	150	5	50	186	
SKA DDL 55.275	825	275	5	50	186	
SKA DDL 55.550	1650	550	5	50	354	120-240-480
SKA DDL 75.660	1980	660	5	50	354	120-240-400
SKA DDL 75.990	2970	990	5	50	522	
SKA DDL 100.1200	3600	1200	5	50	522	
SKA DDL 100.1600	4800	1600	5	50	690	
SKA DDL 125.2000	6000	2000	4	50	690	
SKA DDL 150.2400	7200	2400	4	50	690	



SKA COMPACT LINEAR AXES ALL-IN-ONE

FEATURE

275 - 550N rated force

825 - 1650N peak force

5m/s speed

50m/s² acceleration

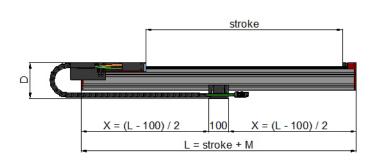
0,01 - 0,1mm accuracy

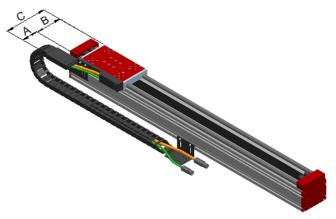
Feedback: SinCos encoder, TTL optical and magnetic encoder, Hall Sensors

CE - UL certified

All mechanical components are completely sealed off for a high degree of protection

SKA Compact combines the performance of direct drive technology with easy assembly in a complete, plug-and-play system, housed in an extruded aluminium body. This iron-core synchronous linear servomotor has a high force density, making it ideal for applications that need high reversal frequencies and positioning capacities. Advantages: total elimination of backlash and mechanical elasticity typical of conventional systems, and a lower energy consumption thanks to the higher overall efficiency. Its versatility allows a wide range of mounting configurations, even in combined axes.





Motor type	Peak force (N)	Rated force (N) *	Max speed (m/s)	Acceleration (m/s²)	Stroke (mm)	Moving head weight (Kg)
SKA C 140.275	825	275	5	50	from 100 to 3.500	7
SKA C 140.550	1650	550	5	50	from 100 to 3.500	12

^{*} Data are rated at $\Delta T = 80$ °C, 0÷40 °C environmental temperature - Class F insulation - Performances are rated with natural ventilation.

Dimensions (mm)	A	В	С	D	М
SKA C 140.275	80	140	220	182	400
SKA C 140.550	80	140	220	182	570



SKA DDR DIRECT DRIVE TORQUE MOTORS

FEATURE

2 - 760Nm stall torque

15.9 - 2400Nm peak torque

Thermal protector (clixon)

Class F insulation

IP65 protection

Feedback: resolver, incremental and absolute encoders

CE - UL certified

The Power Pack version includes the SKA DDR torque motor with mounting flange, bearings and transducer, aluminium cover case and specific connections. Power Pack version are available with blind shaft and male shaft versions.

Direct drive synchronous torque motors. Featuring a remarkable stall torque capacity plus high acceleration values, SKA DDR achieves efficiencies and precision positioning that are difficult to obtain with conventional systems. Advantages: full elimination of all transmission mechanical components, significant time and cost saving in machine maintenance and proven energy reduction. SKA DDR is available in **Frameless** and **Power Pack** version, a perfect example of **Motor Power Company**'s skills in the electrical

nu	теспа	nical spheres.		
	Woinht	Ev. diameter /	Hole diam R	Ticknose H

Mater true	Stall torque	Peak torque	Speed	Deles number	Inertia	Weight	Ex. diameter A	Hole diam. B	Tickness H
Motor type	(Nm)	(Nm)	(Rpm)	Poles number	(Kg cm²)	(Kg)	(mm)	(mm)	(mm)
SKA DDR090.30	2	15.9	1000	14	3.1	1.98	110	30	60
SKA DDR090.60	3.5	28	1000	14	4.98	3.4	110	30	90
SKA DDR090.90	4.7	40	1000	14	6.86	4.7	110	30	120
SKA DDR148.30	8	35	800	14	36.11	5.1	180	65	62
SKA DDR148.60	14	72	800	14	57.1	8.45	180	65	92
SKA DDR148.90	20	106	800	14	78.09	11.75	180	65	122
SKA DDR148.120	26	141	800	14	99.08	15.1	180	65	152
SKA DDR245.30	41	128	600	28	245	14.3	290	130	70
SKA DDR245.60	70	241	600	28	371	22.9	290	130	100
SKA DDR245.90	93	350	500	28	498	31.5	290	130	130
SKA DDR245.120	115	458	500	28	624	40.1	290	130	160
SKA DDR335.30	100	290	400	42	1231	25	390	210	82
SKA DDR335.60	164	550	400	42	1805	38.7	390	210	112
SKA DDR335.90	220	800	200	42	2367	52.4	390	210	142
SKA DDR335.120	270	1043	200	42	2932	66.2	390	210	172
SKA DDR335.150	320	1290	200	42	3498	79.7	390	210	202
SKA DDR430.30	210	458	200	56	3894	8.1	490	290	85
SKA DDR430.60	340	868	200	56	5642	58.5	490	290	115
SKA DDR430.90	450	1254	150	56	7323	78.5	490	290	145
SKA DDR430.120	560	1649	150	56	9025	99.2	490	290	175
SKA DDR430.150	660	2025	90	56	1073	119.2	490	290	205
SKA DDR430.180	760	2400	90	56	1243	138.8	490	290	235



SKA ROTARY TABLE DIRECT DRIVE MOTORS

Directly driven rotary tables provide versatile applications due to their backlash free structure. If necessary a compact servo system with high torque and high accuracy, SKA Rotary Table is the perfect answer for the ideal application. This complete series is provided with or without its perfectly coupling amplifier.

FEATURE

Instantaneous peak torque till 2400 Nm

A high-speed operation up to 1400 rpm

Maximum motor speed up to 900 rpm

High-precision indexing with over 1,000,000 cpr, after interpulation

Absolute accuracy of ± 25 till 6,3 arc sec

No backlash for a high-precision, high-speed operation

with shorter settling time

Improved positioning accuracy

Uncomplicated and trouble-free usability drives

Perfect matching between motor and drives with different

network communication

Analog encoder for increasing the final resolution

Absolute encoder for the purest positional information

Parameters to change: speed control, torque or positioning control

	STALL TORQUE (Nm)	PEAK TORQUE (Nm)	SPEED (Rpm)	POLES (nr)	INERTIA (kg cm²)	WEIGHT (kg)	EXTERNAL DIAMETER D (mm)	HOLE DIAMETER d (mm)	HEIGHT H (mm)	RATED VOLTAGE (Vac)	
SKA RT 148.30	8	35	900	14	68,5	15,3	179	60	127,5	230	
SKA RT 148.60	14	68	900	14	91,8	18,1	179	60	157,5	230	
SKA RT 148.90	20	103	900	14	114,2	22	179	60	187,5	230	
SKA RT 148.120	26	141	630	14	137,1	26,1	179	60	217,5	230	
SKA RT 245.30	41	128	600	28	542,1	42,9	290	135	136,5	400	
SKA RT 245.60	70	241	600	28	651,0	55,4	290	135	166,5	400	
SKA RT 245.90	93	330	600	28	777,8	67,8	290	135	196,5	400	
SKA RT 245.120	115	410	500	28	904,2	80,3	290	135	226,5	400	
SKA RT 335.30	100	290	350	42	2847,0	73,1	390	190	138	400	
SKA RT 335.60	164	585	350	42	3629,1	94,1	390	190	168	400	
SKA RT 335.90	220	800	350	42	4411,0	115	390	190	198	400	
SKA RT 335.120	270	975	350	42	5193,0	136,1	390	190	228	400	
SKA RT 335.150	320	1200	300	42	5975,1	157	390	190	258	400	
SKA RT 430.30	210	458	300	56	8698,7	105,7	490	290	150	400	
SKA RT 430.60	340	800	300	56	10637,8	133,7	490	290	180	400	
SKA RT 430.90	450	1200	250	56	12577,0	161,1	490	290	210	400	
SKA RT 430.120	560	1600	150	56	14516,0	188,7	490	290	240	400	
SKA RT 430.150	660	1950	150	56	16455,8	215,7	490	290	270	400	
SKA RT 430.180	760	2400	100	56	18394,7	243,3	490	290	300	400	

BRUSHLESSTECHNOLOGY



TETRA - TETRA COMPACT BRUSHLESS SERVOMOTORS

The brushless servomotor is a product of tried-and-tested success that Motor Power Company manufacturers thanks to in-company know-how acquired during years of practical experience with designing and building motors.

TETRA COMPACT belongs to the low power range and stands out for its constructional shape, TETRA is the brushless servomotor with excellent efficiency along with high torque rate, thanks to the intrinsic technology that gets the most out of the magnetic material. The original construction of the rotor part (patented) permits two possible inertia executions on the same motor size by ensuring an optimum dynamic response even with different load masses.

This servomotors are particularly suitable for positioning tasks in industrial robotic, machine tools, actuators and machine automation with demanding requirements in terms of dynamics and stability.

FEATURE

Synchronous brushless servomotor, permanently excited

Rated output power from 60W to 8kW

Maximum servomotor speed up to 5000rpm

Insulation class F (155 °C)

IP 65 on motor body

Ral 9005 black powder coating

Temperature protection by KTY 84 (excluding TC 40)

Shaft balancing class G 2,5 according ISO 1940

Smooth or keyed shaft

Built-in feedback resolver 2 poles, TTL Encoder, Absolute Multiturn Encoder (Hiperface)

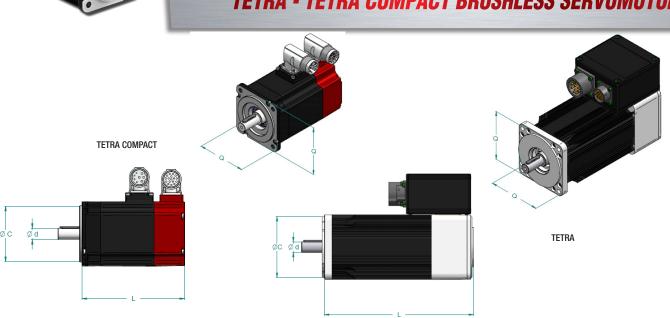
Cable flange with connectors for TC 40

90° round circular turnable connectors (IP 67) for all other models

Optional electromagnetic permanent-holding brake. Zero backlash

Optional shaft sealing





Servomotor Type	Rated Output Power*	Rated Torque	Peak Torque	Rated Voltage	Rated Speed	Inertia	Weight	Brake lenght**	L	d	С	Q
	(W)	(Nm)	(Nm)	(V)	(rpm)	(kg cm²)	(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
TC 40 0,16	60	0,2	0,48	24 Vdc	3000	0,027	0,4	31	91	8	30	40
TC 40 0,32	100	0,32	0,96	48 Vdc	3000	0,047	0,54	31	109	8	30	40
TC 60 0,65	200	0,64	1,95	230 Vac	3000	0,13	0,85	37	111	11	50	60
TC 60 1,3	370	1,17	3,9	230 Vac	3000	0,24	1,25	37	136	14	50	60
TC 80 1,5	480	1,53	4,5	230 Vac	3000	0,64	2,25	42	128	14	70	80
TC 80 2,8	800	2,54	8,4	400 Vac	3000	1,16	3,0	42	153	19	70	80
TC 80 4 15	1068	4,0	12,0	230 Vac	3000	1,58	4,1	42	178	19	70	80
TC 100 3,2	820	2,62	11,0	230 Vac	3000	1,55	3,9	50	145	14	95	100
TC 100 5,6	1320	4,2	22,0	400 Vac	3000	2,91	5,6	50	175	19	95	100
TC 100 8	1570	5,0	33,0	400 Vac	3000	4,1	7,3	50	205	19	95	100
T 115 3	840	2,7	9,0	400 Vac	3000		4,7	50	164	14	110	115
T 115 5,2	1300	4,1	15,6	230 Vac	3000		6,2	50	189	19	110	115
T 115 7	1650	5,3	21,0	230 Vac	3000	П	7,5	50	214	19	110	115
T 115 9,2	2000	6,4	27,6	230 Vac	3000	J 5	8,8	50	239	19	110	115
T 115 11	2300	7,3	33,0	230 Vac	3000	0	9,9	50	264	19	110	115
T 142 12	2700	8,6	31,0	230 Vac	3000	⋖	13,5	60	245	24	130	142
T 142 16,5	3500	11,1	42,0	400 Vac	3000	A T	15,5	60	275	24	130	142
T 142 21	4100	13,1	55,0	230 Vac	3000	S	18,5	60	305	24	130	142
T 142 25,5	5000	15,9	65,0	230 Vac	3000	Ш	20,5	60	335	24	130	142
T 180 22,5	4700	15,0	63,0	400 Vac	3000	S	30	60	290	28	180	190
T 180 35 17	6600	21,0	95,0	400 Vac	3000		37,5	60	350	38	180	190
T 180 47 17	8380	40,0	130,0	400 Vac	2000		45,5	60	410	38	180	190

^{*} Output continuous ratings with 250x250x6mm heat sink flange coupling for Tetra Compact 40-60-80, with 300x300x6mm for Tetra Compact 100, with 350x350x20mm for Tetra 115-142, with 500x500x20mm for Tetra 180
** The safety brake value increases the motor lenght-

TETRA COMPACT-ENHANCED BRUSHLESS SERVOMOTORS



brushless servo motor series: TETRA COMPACT-ENHANCED. Featuring the newest engineering and manufacturing technology, these enhanced servomotors provide high dynamic response for any automation need. A careful selection of components, highest quality standard and international certifications assure that this series is optimum for a responsive, accurate and reliable automation. Besides TTL and absolute multiturn encoder, the series supports an innovative and patented 20 bit absolute magnetic encoder. TETRA COMPACT-E brushless servo motors are the result of a completely new design and a modern production concept: uncompromised quality, international certifications and a wide range of power ratings make these servo motors ideal for modern machine performance needs.

Servomotor Type	Nominal Power P _n	Nominal Torque M _n	Peak Torque M _{max}	Nominal Speed nM	Moment of inertia
	[W]	[Nm]	[Nm]	[min ⁻¹]	
TC-E 40 1A	50	0,16	0,48	3000	Medium
TC-E 40 1B	100	0,32	0,96	3000	Medium
TC-E 60 2A	200	0,64	1,92	3000	Low
TC-E 60 2B	400	1,27	3,81	3000	Low
TC-E 80 3A	400	1,27	3,81	3000	Low
TC-E 80 3B	750	2,39	7,16	3000	Low
TC-E 100 4A	1000	3,18	9,54	3000	Low
TC-E 100 4B	2000	6,37	19,11	3000	Low
TC-E 130 5A	500	2,39	7,16	2000	Medium
TC-E 130 5B	300	2,86	8,59	1000	Medium
TC-E 130 5C	1000	4,77	14,3	2000	Medium
TC-E 130 5D	850	5,39	13,8	1500	Medium
TC-E 130 5E	600	5,73	17,19	1000	Medium
TC-E 130 5F	900	8,59	25,77	1000	Medium
TC-E 130 5G	1500	7,16	21,48	2000	Medium
TC-E 130 5H	2000	9,55	28,65	2000	Medium
TC-E 180 6A	2000	9,55	28,65	2000	Medium
TC-E 180 6B	3000	14,32	42,97	2000	Medium
TC-E 180 6C	3000	19,1	57,29	1500	Medium
TC-E 180 6D	3500	16,7	50,3	2000	Medium
TC-E 180 6E	4500	28,65	71,62	1500	Medium
TC-E 180 6F	5500	35,01	87,53	1500	Medium
TC-E 180 6G	7000	44,6	119,36	1500	Medium



TETRA COMPACT-ENHANCED THIRD GENERATION BRUSHLESS SERVOMOTORS

SEE IT BEFORE IT HAPPENS



DIRECT CURRENT TECHNOLOGY



ESA DIRECT CURRENT SERVOMOTORS

FEATURE

0.32 - 15Nm torque

IP 54 protection (IP 55 as an option)

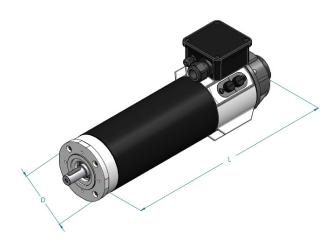
4 poles tacho generator with rare earth magnets

Original electromagnetic circuit to overcome the cogging effect

High number of blades commutator reduces the velocity ripple

CE certified

An advanced mechanical design and a recognized technology make the ESA servomotor a reliable and durable product, with an optimum dimensional/performance ratio. The ESA range has a high overload capacity and notably linear rotation, even at low speed. A commutator with a high number of blades and a built-in tacho generator allows repeated and precise speed variations even at high torque values.



Servomotor type	Continuous stall torque (Nm)	Rated power (W)	Motor diameter D (mm)	Brake lenght (mm) *	Motor lenght L (mm)
ESA 2S	0.32	70		41 5	136
ESA 2L	0.47	95	57.8	41.5	183.5
ESA 3XS	0.6	150			177.5
ESA 3S	0.93	200			212.5
ESA 3SL	1.3	300	83.5	44	229
ESA 3M	1.6	360			267.5
ESA 3L	2.1	500			322.5
ESA 6S	2.65	590		*	268
ESA 6F	3.5	720		*	268
ESA 6M	5.5	1250	116	*	340
ESA 6L	8	1320		*	412
ESA 9S	6	1380		*	298
ESA 9M	11	1570	153.5	*	363
ESA 9L	15	2680		*	424

*Included in motors' lenght



PENTA DIRECT CURRENT MOTORS

A range of direct-current motors with power, reliability and durability features. Using only top-quality materials, PENTA is ideal for variable-speed handling applications. Available with a wide range of windings, as well as different mechanical configurations and options, PENTA is flexible and adaptable to an extremely wide variety of specific needs.

FEATURE

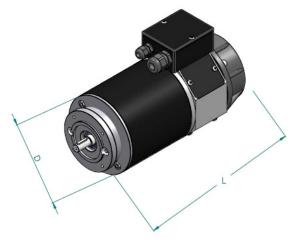
45 – 900Watt power

IP54 protection (IP 55 as an option)

Class F insulation

Options: tacho generator, brake, encoder

CE certified



Motor type	Watt power at 3000 Rpm (W)	Rated speed torque (Nm)	Voltage (Vdc)	Diameter D (mm)	Lenght L (mm)
PENTA 1S	45	0.14			109.5
PENTA 1M	70	0.22	from 24 to 180	57.8	136
PENTA 1L	95	0.30			183.5
PENTA 4S	300	0.95	from 12 to 180	116	197.5
PENTA 4M	600	1.9	from 24 to 180		227.5
PENTA 4L	900	2.86	from 24 to 180		257.5
PENTA 5X	100	0.32	from 12 to 180		144.5
PENTA 5XS	150	0.48	from 12 to 180		177.5
PENTA 5S	200	0.64	from 12 to 180	00.5	212.5
PENTA 5SL	300	0.96	from 24 to 180	83.5	229
PENTA 5M	360	1.15	from 36 to 180		267.5
PENTA 5L	500	1.6	from 48 to 180		322.5



ROK - WORM GEARMOTORS

A series of worm gearmotors directly equipped with d.c. motors, with an extraordinary durability, wear resistance and small dimensions. Featuring a casehardened and ground profile worm screw and an extremely silent, high-efficiency bronze-tin ring gear, allow to reach notable advantages.

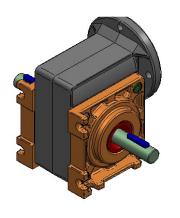
FEATURE

Worm gear center distance 31, 33, 40, 50 mm

CE certified

High efficiency

Direct coupling between motor and gearbox

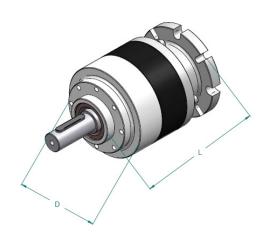




Gearbox type	Ratio	Rated torque (Nm)	Peak torque (Nm)	Rated speed input (Rpm)	Axial load (N)	Radial load (N)
ROK 31	7:100	10	15	3000	80	120
ROK 33	7:75	13	20	3000	100	140
ROK 40	20-36-80	-	-	3000	-	-
ROK 50	35			3000	-	

The worm gearboxes series ROK are exclusively available combined with Motor Power Company motors and servomotors.





The planetary gearboxes series EPG is designed for coupling with rotative motors range. Mounting EPG gearboxes makes the dimensions of the coupling part extremely compact, also thanks the possibility of mounting the pinion directly on the motor shaft. The planetary gearboxes are manufactured with hardened and tempered steel shaft and carburised/hardened steel or synthetic gears, by ensuring a lower noise level.

Gearbox type	Stages	Ratio	Rated torque (Nm)	Peak torque (Nm)	Rated speed input (Rpm)	Max speed input (Rpm)	Axial load (N)	Radial load (N)
EPG 51	1	3:216	7 - *(3.5)	10 - *(3.5)	3000	4000	140	310
	2		15 - *(10)	19 - *(15)			140	310
	3		25 - *(22)	30 - *(27)			140	310
EPG 79	1		28	40			350 : ** (1000)	600 : ** (2500)
	2		44	70			350 : ** (1000)	600 : ** (2500)
	3		75	120			350 : ** (1000)	600 : ** (2500)
EPG 109	1		80	100			800 : ** (1600)	1300 : ** (4000)
			100	180			800 : ** (1600)	1300 : ** (4000)
	2		80	100			800 : ** (1600)	1300 : ** (4000)
			140	200			800 : ** (1600)	1300 : ** (4000)
	3		190	320			800 : ** (1600)	1300 : ** (4000)

^{*} this value is referred to the reducer with first speed stage in synthetic material

^{**} this value is referred to the reducer with conical bearings

	EPG 51	EPG 79	EPG 109	
D (mm)	51	79	109	
L (mm)	77	105.5	126.5	STAGE 1
	90	124.5	159	STAGE 2
	103	143.5	191.5	STAGE 3

The planetary gearboxes series EPG are exclusively available combined with Motor Power Company motors and servomotors.



WE MAKE IT HAPPEN

ur strength comes from skill and innovation. The combination of technology, industrial handling and empatich relationships enables us to help the customer be innovative in the way that is best suited to the customer's own needs. From the core technology of our standard product range we create highly innovative personalized solutions and application specific devices.

APPLICATION SPECIFIC DEVICE MOTORS

Full capability to undertake design and development of brand new equipments that can be either transferred as projects or turned into industrialized customized products based on Motor Power Company core technologies.



FOOT STEP GEARMOTOR

Planetary gearmotor based on Tetra Compact 60 direct coupled to EPG79

Field: railway transport

Application: foot step driving

Technical data: motor rated torque 0,65 Nm, EPG gear ratio 30:1, protection degree IP65, anti-corrosive painting

Feature: special device according to European transport laws, shock and vibration resistance, cable and connectors according to railways laws, rugged frame, insulation system UL /CSA

AUTOMOTIVE GLASS PROCESS ROTARY TABLE

Extraordinary diameter gearless rotary table based on SKA RT

Field: automotive

Application: glass grinding process

Technical data: motor rated torque 1624 Nm, peak torque 4870 Nm, 40 rpm, analog encoder, accuracy 11 arc/sec, tilt moment 0,02mm @2m diameter

Feature: 1m diameter, 440mm hollow shaft, rugged structure



APPLICATION SPECIFIC DEVICE

<u>Motors</u>

CAPPING STAINLESS STEEL MOTOR

Blind shaft motor based on Tetra Compact 80

Field: packaging

Application: capping machine

Technical data: motor rated torque 2,8 Nm, nominal power 870 W, 3000 rpm, protection

degree IP65, resolver feedback.

Feature: full stainless steel motor frame, designed for aseptic environment, chemical

proof specific gaskets.







FLYING PROBE TESTER IRONLESS MOTOR

Z axis ironless motor based on SKA IL

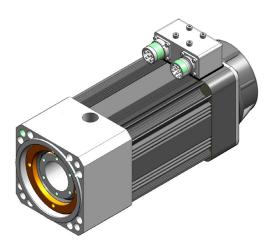
Field: semiconductor

Application: flying probe tester

Technical data: motor rated force 11 N, speed 6 m/s, optical encoder feedback.

Feature: drastic reduction of the test time. The full linear motion, with linear optical

encoders, guarantees high acceleration without losing the extreme accuracy.



AUTOMOTIVE WELDING ROBOT SERVOMOTOR

Ball screw integrated brushless servomotor based on TETRA

Field: automotive

Application: welding robot suspended guns

Technical data: linear peak force 1000N, screw pitch 1mm, stroke 150mm, IP 65

Feature: liquid cooler, feedback resolver, insulation system UL /CSA.

CERAMIC PRESS DOUBLE SHAFT GEARMOTOR

Original two-shaft brushless gearmotor based on TETRA COMPACT servomotors

and EPG planetary gears

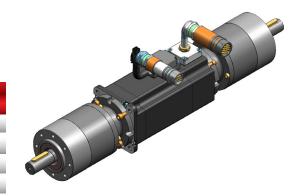
Field: ceramic machines

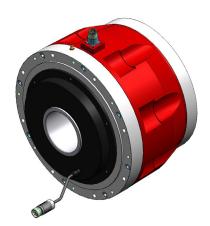
Application: press feeding system

Technical data: motor rated torque 2,8 Nm, safety brake 24Volt, gear ratio 72:1, encoder feedback, insulation system UL /CSA, IP 65

Feature: great space and energy saving, special hollow shaft encoder, motion

control simplification, high IP degree and rugged structure.





SOLAR CELLS STAINLESS STEEL SHAFT TORQUE MOTOR

Gearless solution based on SKA DDR torque motor with stainless steel shaft

Field: solar cell manufacturing process

Technical data: absolute analog encoder with 3 arc/sec accuracy, motor continuous

torque 270Nm, peak torque 1043Nm, high axial load 8500 N

Feature: cross roller bearing without backlash.

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MOTORS

MOTION CONTROL

MECHATRONICS



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