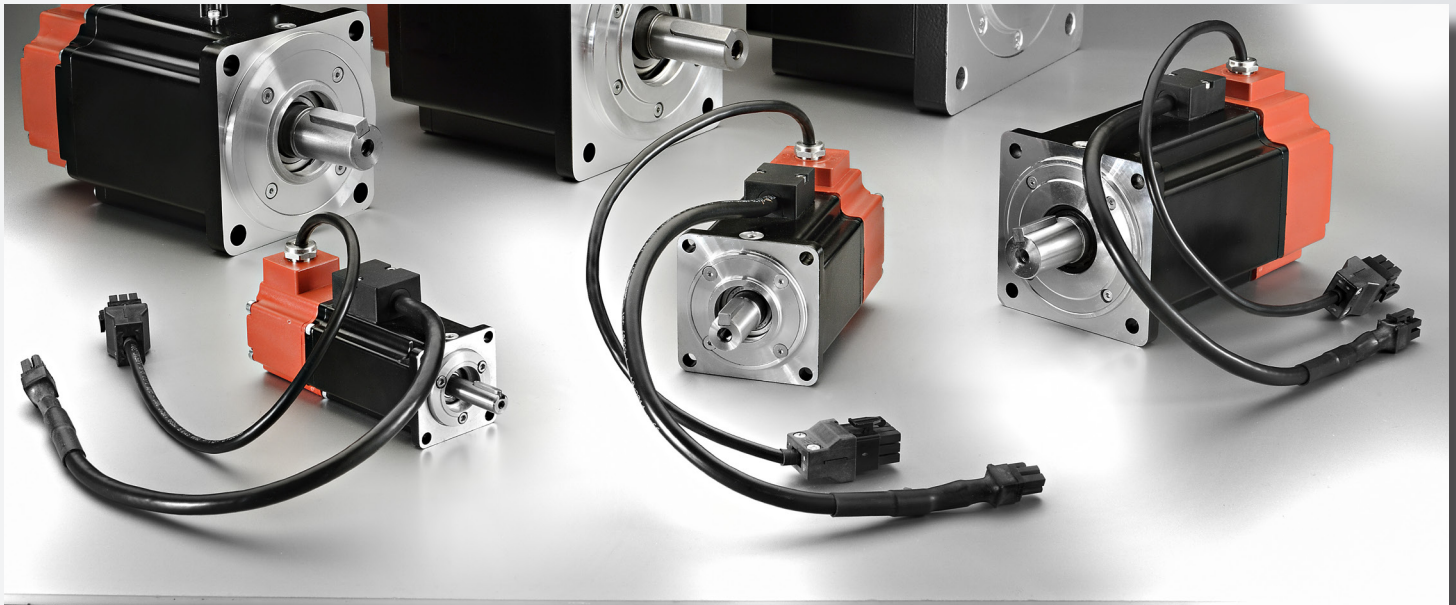




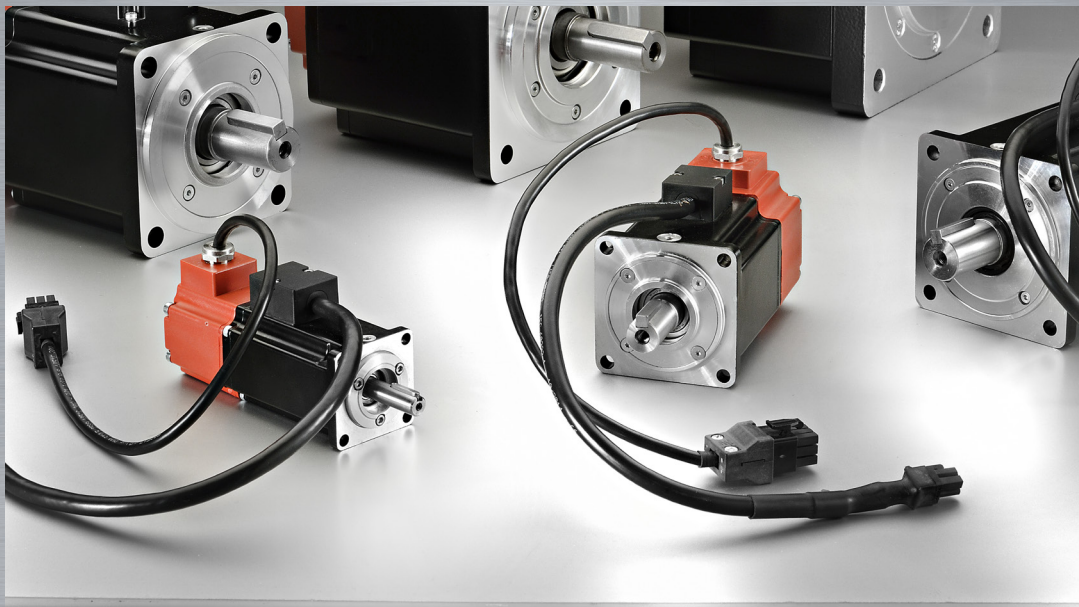
TETRA COMPACT **LOW VOLTAGE** **BRUSHLESS SERVOMOTORS**

MOTORS

**MOTOR
POWER**
COMPANY

SEE IT BEFORE IT HAPPENS





Motor Power Company
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**WELCOME TO
MOTOR POWER COMPANY**

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; this servomotors are particularly suitable for low voltage application.

Motor Power Company proposes not just components but complete motion solutions, combining brushless servomotors with a series of drives with high flexibility and exceptional capabilities in a wide range of applications.

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BRUSHLESS

TECHNOLOGY

FEATURES AND BENEFITS

Synchronous brushless servomotor, permanently excited

Rated output power from 60W to 800W

Maximum servomotor speed up to 5000rpm

Insulation class F (155 °C)

IP 65 on motor body

Ral 9005 black powder coating

Temperature protection by PT 1000 (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



TETRA COMPACT

PRODUCT LINEUP

Servomotor Type	Rated Output Power	Rated Torque	Peak Torque	Rated Voltage	Rated Speed	Drive Type
	[W]	[Nm]	[Nm]	[Vdc]	[rpm]	
TC 40 0,16 00	60	0,19	0,48	48	3000	LITE PRO E 65
TC 40 0,16 32	60	0,19	0,48	24	3000	LITE PRO E 65
TC 40 0,32 00	100	0,32	0,96	48	3000	LITE PRO E 40
TC 40 0,32 32	100	0,32	0,96	24	3000	LITE PRO E 40
TC 60 0,65 00	200	0,64	1,95	48	3000	LITE PRO E 20
TC 60 0,65 01	200	0,64	1,95	48	3000	LITE PRO E 40
TC 60 0,65 32	200	0,64	1,95	24	3000	LITE PRO E 20
TC 60 1,3 01	370	1,18	3,9	48	3000	LITE PRO E 20
TC 60 1,3 32	370	0,8	3,9	24	3000	LITE PRO E 25
TC 80 1,5 01	480	1,53	4,5	48	3000	LITE PRO E 20
TC 80 1,5 03	480	1,53	4,5	48	3000	LITE PRO E 25
TC 80 2,8 02	800	1,8	8,4	48	3000	LITE PRO E 25

LITE PRO DRIVE TYPE

LPRO

E

65

C

Drive Name

Feedback

Model

Fielbus

1

2

3



1

Feedback

E = encoder

2

Model (output current) Arms

20 = 24/40
25 = 28/80
40 = 8/24
65 = 4/12

3

Fielbus

C = CANopen

TETRA COMPACT SERVOMOTOR TYPE

TC	40 0.16	32	0	R1	0	D0	XXX
Model	Winding Code	Mechanical Arrangement	Feedback	Brake	Connection	Optional	
1	2	3	4	5	6	7	



1

Model

See product lineup

2

Winding code

See data sheet

3

Mechanical Arrangement

0 - Shaft with key / without oil seal (front flange side IP 54)
 1 - Shaft with key / with oil seal (front flange side IP 65)
 2 - Shaft without key / without oil seal (front flange side IP 54)
 3 - Shaft without key / with oil seal (front flange side IP 65)

N.B.: All motor body are IP 65

4

Feedback

E1 - Encoder TTL 2000ppr
 R1 - Resolver 2 poles
 A1 - Absolute Multiturn Encoder

5

Brake

0 - Without brake
 1 - With brake

6

Connection

D0 - 300mm cable lenght with AMP connectors, without thermal protection (For TC40 only) **specify D0/F88** if the connection is with Lite Pro drive
 G2 - 90° M23 turnable connectors - PT 1000 on power connector **specify G2/F88** if the connection is with Lite Pro drive
 H2 - 90° M23 turnable connectors - PT 1000 on signal connector **specify H2/F88** if the connection is with Lite Pro drive

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TETRA COMPACT 40 RATINGS AND SPECIFICATIONS

TIME RATING	Continuous	AMBIENT TEMPERATURE	0 to 40 °C
INSULATION CLASS	F	AMBIENT HUMIDITY	20 to 80% (non-condensing)
ENCLOSURE	Totally enclosed. Self-cooled	POLES	8
PROTECTION CLASS	IP 65 standard on the body	THERMAL PROTECTION	Not available
INSULATION SYSTEM UL /CSA	cURus , DV155J File nr.:E216686	CE certified	

TC 40 0,16 00

TC 40 0,16 32

TC 40 0,32 00

TC 40 0,32 32

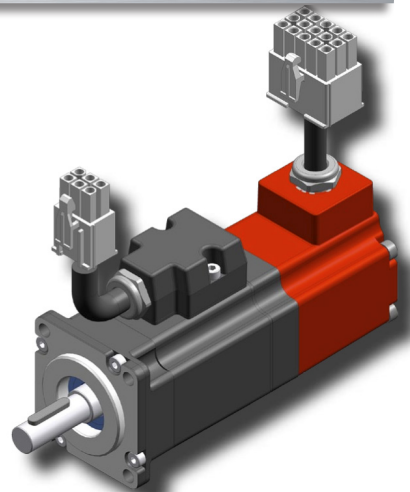
Stall Torque	Nm	0,21	0,21	0,34	0,34
Peak Torque	Nm	0,48	0,48	0,96	0,96
Rated Torque	Nm	0,19	0,19	0,32	0,32
Rated Voltage	Vdc	48	24	48	24
Rated Output Power	W	60	60	100	100
Stall Current	Arms	2,84	4,23	4,6	6,8
Peak Current	Arms	7,13	9,67	14,2	21,3
Rated Current	Arms	2,6	3,96	4,3	6,4
Rated Speed	rpm	3000	3000	3000	3000
Maximum Speed 48VDC	rpm	5000	-	5000	
Maximum Speed 24VDC	rpm	-	5000	-	5000
Torque Constant (± 5%)	Nm/Arms	0,074	0,050	0,074	0,050
Voltage Constant (± 5%)	Vrms/Krpm	4,5	3,0	4,5	3,0
Phase/phase resistance (± 10%@25°C)	Ohm	1,77	1,0	0,85	0,37
Phase/phase inductance (± 10%)	mH	1,6	0,7	0,9	0,42
Electrical time constant	ms	0,9	0,7	1,06	1,13
Thermal Resistance	°C/W	2,38	2,38	2,30	2,30
Mechanical time constant	ms	1,0	1,62	1,04	1,04
Rotor Inertia	Kg cm ²	0,027	0,027	0,047	0,047
Motor weight	Kg	0,4	0,4	0,54	0,54
Motor weight + Brake	Kg	0,54	0,54	0,68	0,68
Motor weight with absolute encoder	Kg	0,41	0,41	0,55	0,55
Motor weight with absolute encoder + Brake	Kg	0,61	0,61	0,75	0,75
Axial Load	N	30 (applied on the shaft's center)			
Radial Load	N	180 (applied on the shaft's center)			

Rated output with 250 x 250 x 6 mm metallic heat sink flange coupling - Derating must be considered if the oil seal is applied - IP 54 standard shaft bushing

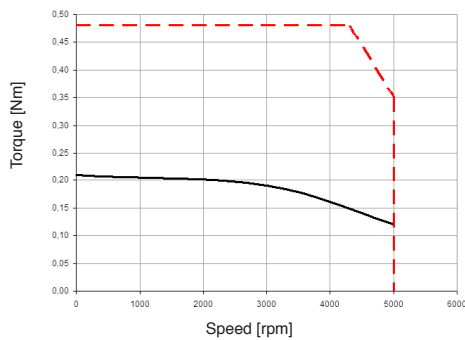
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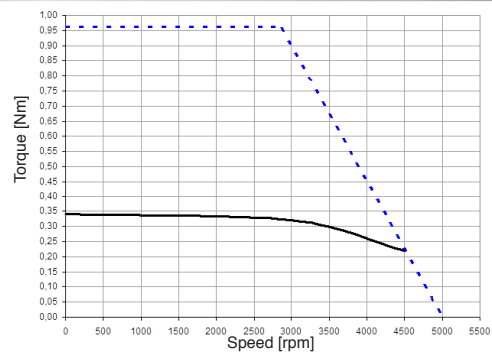
TETRA COMPACT 40 TORQUE / SPEED CHARTS



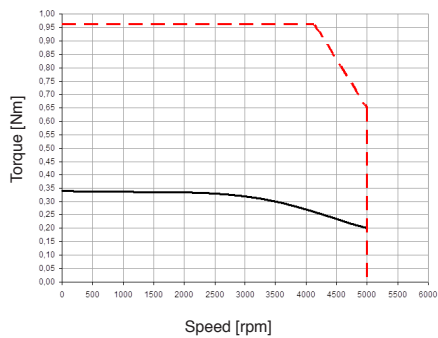
TETRA COMPACT 40 0,16 00



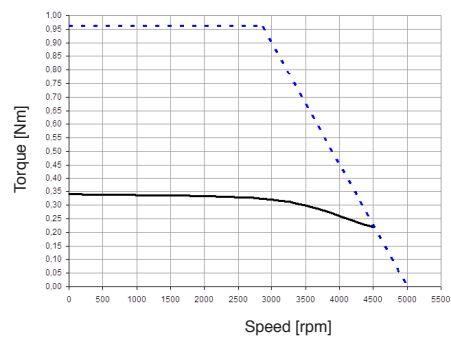
TETRA COMPACT 40 0,16 32



TETRA COMPACT 40 0,32 00



TETRA COMPACT 40 0,32 32



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— Continuous duty @ rated voltage
 - - - 48 Vdc
 - - - 24 Vdc

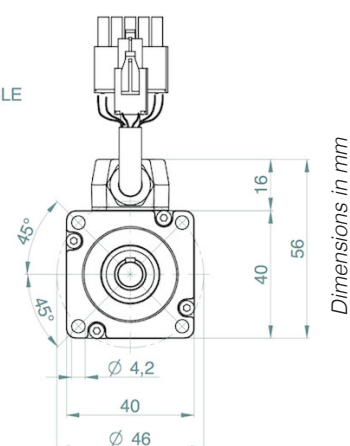
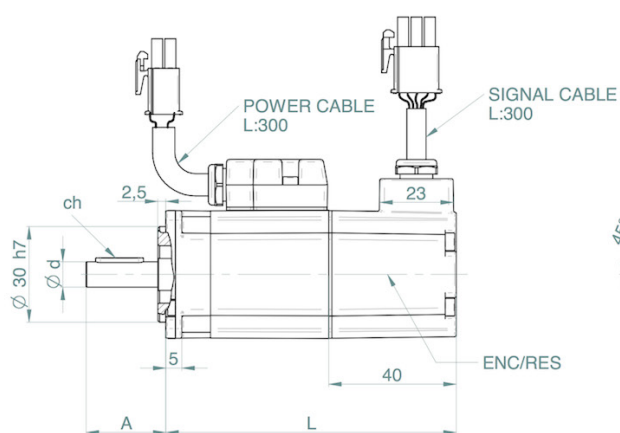
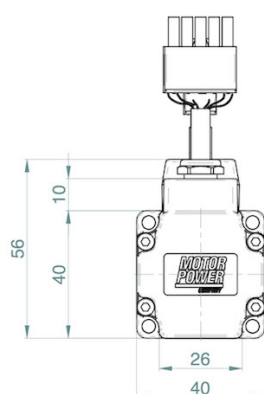
TETRA COMPACT 40 DIMENSIONS

TC 40 0,16

TC 40 0,32

L * (Without Brake)	mm	91	109
L * (With Brake)	mm	122	140
A	mm	25	25
d	mm	8 (h6)	8 (h6)
ch	mm	3x3x15	3x3x15

* Motor's length increases of 10 mm with absolute encoder feedback



Power connector 6 PIN AMP 172168 - Signal connector 15 PIN AMP 172171

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TETRA COMPACT 60 RATINGS AND SPECIFICATIONS

TIME RATING	Continuous	AMBIENT TEMPERATURE	0 to 40 °C
INSULATION CLASS	F	AMBIENT HUMIDITY	20 to 80% (non-condensing)
ENCLOSURE	Totally enclosed. Self-cooled	POLES	8
PROTECTION CLASS	IP 65 standard on the body	THERMAL PROTECTION	PT 1000
INSULATION SYSTEM UL /CSA	cURus , DV155J File nr.:E216686	CE certified	

TC 60 0,65 00

TC 60 0,65 01

TC 60 0,65 32

Stall Torque	Nm	0,69	0,69	0,69
Peak Torque	Nm	1,95	1,95	1,95
Rated Torque	Nm	0,64	0,64	0,64
Rated Voltage	Vdc	48	48	24
Rated Output Power	W	200	200	200
Stall Current	Arms	9,32	7,34	13,8
Peak Current	Arms	29	22,8	43
Rated Current	Arms	8,7	6,8	12,8
Rated Speed	rpm	3000	3000	3000
Maximum Speed 24VAC	rpm	-	-	5000
Maximum Speed 48VAC	rpm	5000	5000	-
Torque Constant (± 5%)	Nm/Arms	0,074	0,094	0,050
Voltage Constant (± 5%)	Vrms/Krpm	4,5	5,7	3
Phase/phase resistance (± 10%@25°C)	Ohm	0,21	0,38	0,1
Phase/phase inductance (± 10%)	mH	0,5	0,9	0,28
Electrical time constant	ms	2,38	2,4	2,75
Thermal Resistance	°C/W	1,89	1,89	1,89
Mechanical time constant	ms	0,75	0,8	0,78
Rotor Inertia	Kg cm ²	0,13	0,13	0,13
Motor Weight	Kg	1,1	1,1	1,1
Motor Weight + Brake	Kg	1,5	1,5	1,5
Axial Load	N	70 (applied on the shaft's center)		
Radial Load	N	220 (applied on the shaft's center)		

Rated output with 250 x 250 x 6 mm metallic heat sink flange coupling - Derating must be considered if the oil seal is applied - IP 54 standard shaft bushing
 * For intermittent duty S2 T= 10'/20'

TETRA COMPACT 60 RATINGS AND SPECIFICATIONS

TIME RATING
INSULATION CLASS
ENCLOSURE
PROTECTION CLASS
INSULATION SYSTEM UL /CSA

Continuous
F
Totally enclosed. Self-cooled
IP 65 standard on the body
cURus , DV155J File nr.:E216686

AMBIENT TEMPERATURE
AMBIENT HUMIDITY
POLES
THERMAL PROTECTION
CE certified

0 to 40 °C
20 to 80% (non-condensing)
8
PT 1000

TC 60 1,3 01

TC 60 1,3 32

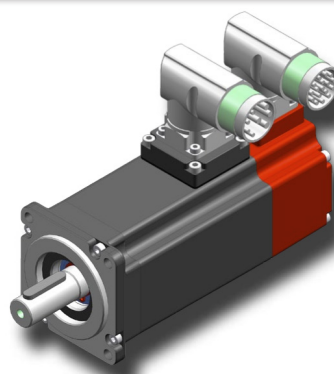
Stall Torque	Nm	1,31	0,9 for S1	1,3 for S2
Peak Torque	Nm	3,9		3,9
Rated Torque	Nm	1,18	0,8 for S1	1,18 for S2
Rated Voltage	Vdc	48		24
Rated Output Power	W	370	280 for S1	400 for S2
Stall Current	Arms	13,8	18,0 for S1	26,0 for S2
Peak Current	Arms	45,6		85
Rated Current	Arms	12,6	16,3 for S1	23,6 for S2
Rated Speed	rpm	3000		3000
Maximum Speed 24VAC	rpm	-		5000
Maximum Speed 48VAC	rpm	5000		-
Torque Constant (± 5%)	Nm/Arms	0,094		0,05
Voltage Constant (± 5%)	Vrms/Krpm	5,7		3
Phase/phase resistance (± 10%@25°C)	Ohm	0,16		0,09
Phase/phase inductance (± 10%)	mH	0,48		0,11
Electrical time constant	ms	3,0		1,22
Thermal Resistance	°C/W	1,41		1,41
Mechanical time constant	ms	0,65		1,2
Rotor Inertia	Kg cm ²	0,24		0,24
Motor Weight	Kg	1,5		1,5
Motor Weight + Brake	Kg	1,9		1,9
Axial Load	N	70 (applied on the shaft's center)		
Radial Load	N	220 (applied on the shaft's center)		

Rated output with 250 x 250 x 6 mm metallic heat sink flange coupling - Derating must be considered if the oil seal is applied - IP 54 standard shaft bushing
* For intermittent duty S2 T= 10°/20°

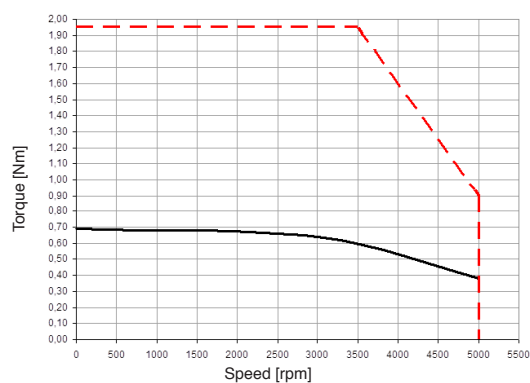
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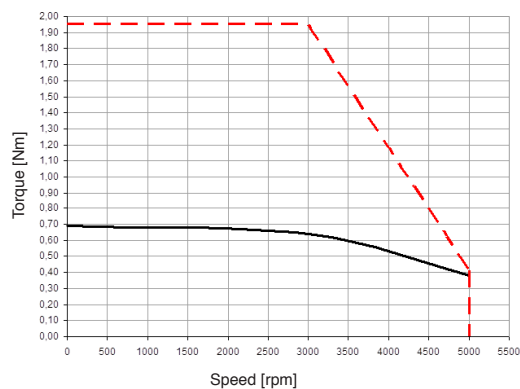
TETRA COMPACT 60 TORQUE /SPEED CHARTS



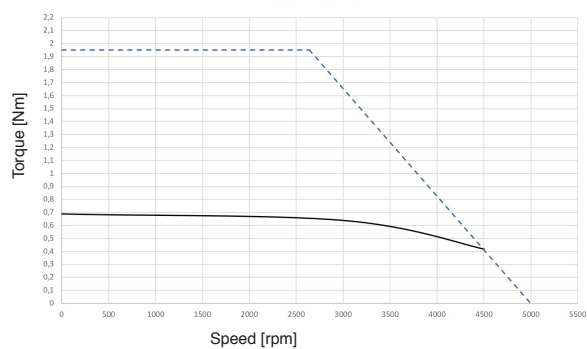
TETRA COMPACT 60 0,65 00



TETRA COMPACT 60 0,65 01

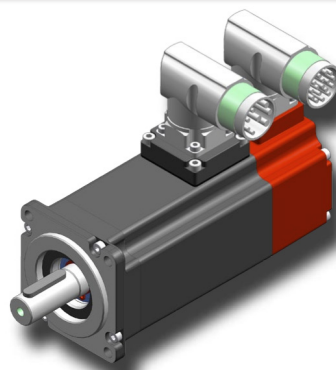


TETRA COMPACT 60 0,65 32

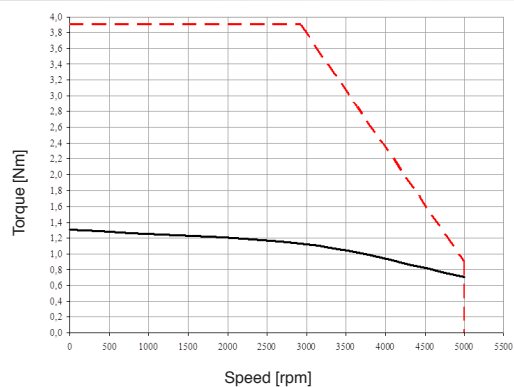


— Continuous duty @ rated voltage
 - - - 48 Vdc
 - - - 24 Vdc

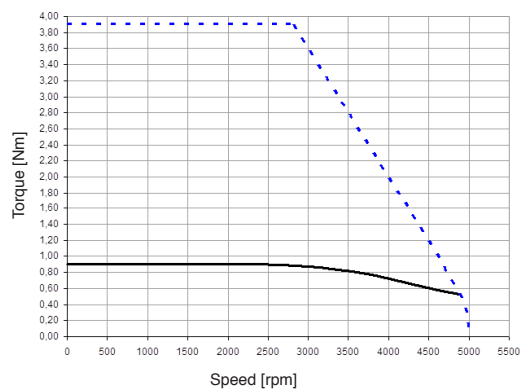
TETRA COMPACT 60 TORQUE /SPEED CHARTS



TETRA COMPACT 60 1,3 01



TETRA COMPACT 60 1,3 32



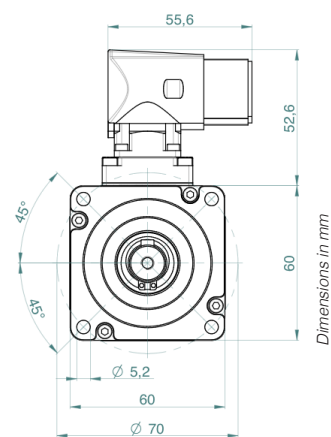
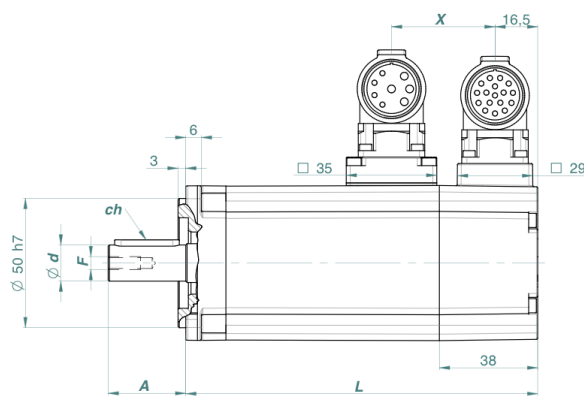
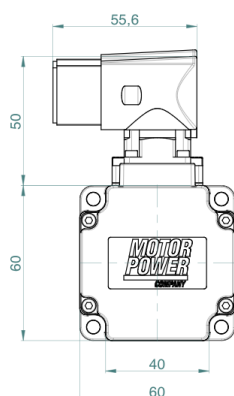
————— Continuous duty @ rated voltage
 - - - - - 48 Vdc
 - - - - - 24 Vdc

TETRA COMPACT 60 DIMENSIONS

TC 60 0,65

TC 60 1,3

L (Without Brake)	mm	111	136
L (With Brake)	mm	148	173
A	mm	23	30
d	mm	11 (h6)	14 (h6)
ch	mm	4x4x18	5x5x25
F	mm	M4x10	M5x12,5
X (Without Brake)	mm	40	40
X (With Brake)	mm	77	77



Power connector 4+4 PIN M23 turnable BEDC 110 - Signal connector 17 PIN M23 turnable AEDC 139

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TETRA COMPACT 80 RATINGS AND SPECIFICATIONS

TIME RATING	Continuous	AMBIENT TEMPERATURE	0 to 40 °C
INSULATION CLASS	F	AMBIENT HUMIDITY	20 to 80% (non-condensing)
ENCLOSURE	Totally enclosed. Self-cooled	POLES	8
PROTECTION CLASS	IP 65 standard on the body	THERMAL PROTECTION	PT 1000
INSULATION SYSTEM UL /CSA	cURus , DV155J File nr.:E216686	CE certified	

TC 80 1,5 01

TC 80 1,5 03

TC 80 2,8 02

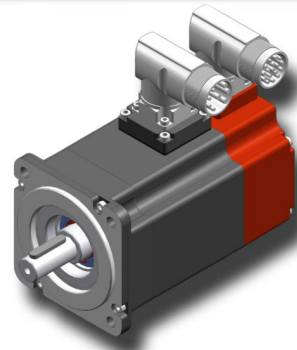
Stall Torque	Nm	1,74	1,74	2,0 for S1	2,8 for S2
Peak Torque	Nm	4,5	4,5		8,4
Rated Torque	Nm	1,53	1,53	1,8 for S1	2,55 for S2
Rated Voltage	Vdc	48	48		48
Rated Output Power	W	480	480	480 for S1	800 for S2
Stall Current	Arms	18,5	12,3	17,7 for S1	24,8 for S2
Peak Current	Arms	52,7	35,1		82
Rated Current	Arms	16,3	11	16,1 for S1	22,6 for S1
Rated Speed	rpm	3000	3000		3000
Maximum Speed 48VAC	rpm	5000	3700		4700
Torque Constant (± 5%)	Nm/Arms	0,094	0,141		0,113
Voltage Constant (± 5%)	Vrms/Krpm	5,7	8,5		6,8
Phase/phase resistance (± 10% @ 25°C)	Ohm	0,075	0,136		0,064
Phase/phase inductance (± 10%)	mH	0,314	0,53		0,24
Electrical time constant	ms	4,2	3,9		3,75
Thermal Resistance	°C/W	1,67	1,67		1,32
Mechanical time constant	ms	0,80	0,80		0,65
Rotor Inertia	Kg cm ²	0,64	0,64		1,16
Motor weight	Kg	2,25	2,25		3,05
Motor Weight + Brake	Kg	2,97	2,97		3,77
Axial Load	N		110 (applied on the shaft's center)		
Radial Load	N		350 (applied on the shaft's center)		

Rated output with 250 x 250 x 6 mm metallic heat sink flange coupling - Derating must be considered if the oil seal is applied - IP 54 standard shaft bushing
 * For intermittent duty S2 T= 15'/30'

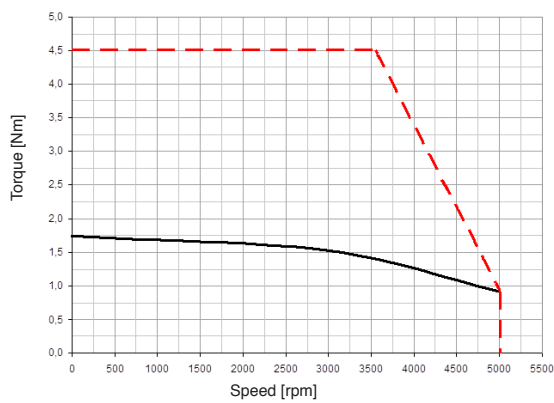
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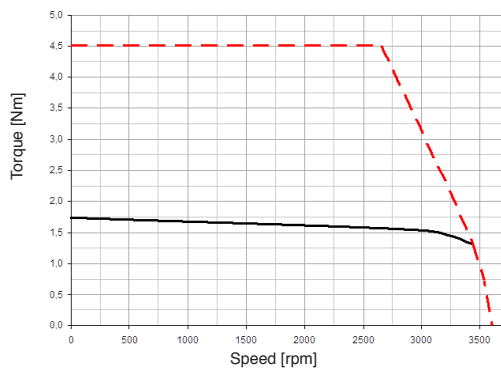
TETRA COMPACT 80 TORQUE /SPEED CHARTS



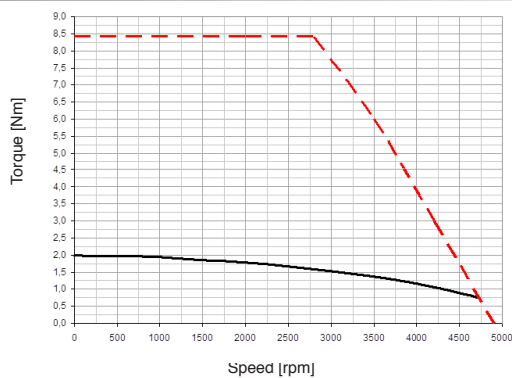
TETRA COMPACT 80 1,5 01



TETRA COMPACT 80 1,5 03



TETRA COMPACT 80 2,8 02



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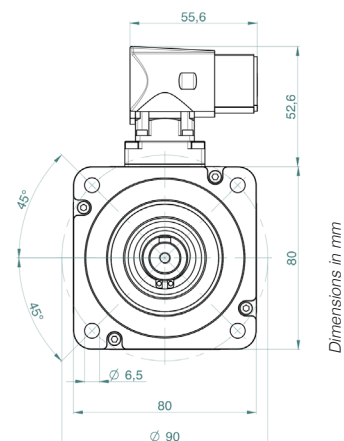
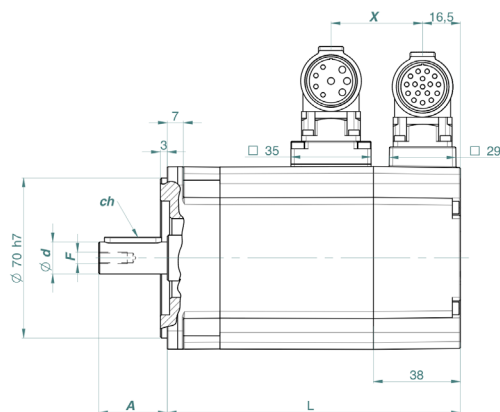
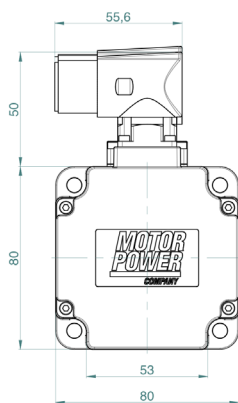
— Continuous duty @ rated voltage
 - - - 48 Vdc
 - - - 24 Vdc

TETRA COMPACT 80 DIMENSIONS

TC 80 1,5

TC 80 2,8

L (Without Brake)	mm	128	153
L (With Brake)	mm	170	195
		[173 with A1 feedback]	[198 with A1 feedback]
A	mm	30	40
d	mm	14 (h6)	19 (h6)
ch	mm	5x5x25	6x6x30
F	mm	M5x12,5	M6x16
X (Without Brake)	mm	40	40
X (With Brake)	mm	82	82



Power connector 4+4 PIN M23 turnable BEDC 110 - Signal connector 17 PIN M23 turnable AEDC 139

FEEDBACK FEATURES

E1 TTL ENCODER

Motor size		TC 40 - 60 - 80
Nominal Voltage	V	5±5%
Nominal current	mA	200
Max Frequency	Khz	200
Electronic type		LINE DRIVER AM 26 LS31
Zero impulse		ONE AT A LAP
N° of pulses revolution	ppr	2000
Resolution	cpr	8000
N° of commutation signal		3 DIFFERENTIAL
System accuracy	arc sec	± 50
Rotor inertia	Kg cm ²	0.01

Please note: for all motors size **TC 40** - all motors size **TC 60** with encoder TTL the maximum theoretical acceleration is 80.000 rad/s²

R1 RESOLVER 2 poles

Motor size		TC40	TC60 - TC80
Nominal Voltage	Vrms	7±5%	7±5%
Nominal current	mA	50	50
Phase shift		+5°	+3°
Minimum sin amplitude	mVrms	20	20
Frequency	kHz	10	10
Poles number		2	2
Trasformer ratio		0.5 ± 5%	0.5 ± 5%
Input impedance	ohm	160	130 + j280
Output impedance	ohm	130	425 + j755
System accuracy		± 10'	± 10'
Rotor inertia	Kg cm ²	0.006	0.03

A1 ABSOLUTE MULTITURN ENCODER

Motor size		TC40 - TC60 - TC80
Nominal Voltage	V	7 ÷ 12
Nominal current	mA	60
Max frequency fon Sin Cos signal	Khz	65
Interface type		Hiperface
N° absolute singleturn steps		4096 (12 Bits)
N° absolute multiturn steps		4096 (12 Bits)
N° of sin/cos periods per revolution		128
System accuracy	arc sec	± 320
Rotor inertia	Kg cm ²	0.0045

BRAKE FEATURES

		TC 40	TC 60	TC 80	
Static Torque @20°C	Nm	0,4	2	4,5	
Moment of Inertia	Kg cm ²	0,008	0,050	0,220	
Rated Current	A	0,34	0,46	0,5	
Input Power	W	8	11	12	
Engaging Time	ms	6	6	7	
Release Time	ms	10	25	35	
Operating Voltage	24 Vdc +6% - 10% Stabilized				

THERMAL PROTECTION FEATURES

PT 1000

Thermal protection features	
Type	PT 1000-R8/2-2F
Sensor	Sensor RTD (Platinum Resistance Temperature Detectors) according to DIN EN 60751
Temperature range	from -40 °C to 250 °C
Accuracy	$\Delta t = \pm (0,3 + 0,04t) \text{ } ^\circ\text{C}$

°C	Resistance (Ω)
-40	843
-30	882
-20	922
-10	961
0	1000
10	1039
20	1078
30	1117
40	1155
50	1194
60	1232
70	1271
80	1309
90	1347
100	1385
110	1423
120	1461
130	1498
140	1536
150	1573
160	1611

WIRING MOTOR CONNECTIONS

POWER CONNECTOR for TC 40 ONLY

PIN	FUNCTION
1	Phase U
2	Phase V
3	Phase W
4	PE
5	Brake 24V (#)
6	Brake 0V (#)

(#) Optional

FEEDBACK CONNECTOR for TC 40 ONLY

E1 TTL ENCODER

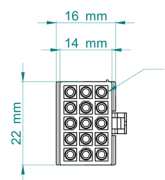
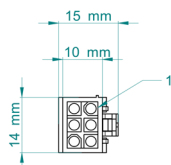
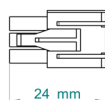
PIN	FEEDBACK FUNCTION
1	Ch A
2	Ch /A
3	Ch B
4	Ch /B
5	Ch Z
6	Ch /Z
7	Hall U
8	Hall /U
9	Hall V
10	Hall /V
11	Hall W
12	Hall /W
13	5 Vdc
14	0 Vdc
15	Shield

R1 RESOLVER

PIN	FEEDBACK FUNCTION
1	Sin+
2	Sin-
3	Cos+
4	Cos-
5	Ref+
6	Ref-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	Shield

A1 ABSOLUTE ENCODER

PIN	FEEDBACK FUNCTION
1	Sin
2	/Sin
3	Cos
4	/Cos
5	DATA
6	/DATA
7	-
8	-
9	-
10	-
11	-
12	-
13	7-12 Vdc
14	0 Vdc
15	Shield



WIRING MOTOR CONNECTIONS

CONNECTORS WITH G2 CONNECTION for ALL OTHER MODELS

POWER CONNECTOR

FEEDBACK CONNECTOR

TTL ENCODER E1

RESOLVER R1

ABSOLUTE ENCODER A1

PIN	FUNCTION	PIN	FEEDBACK FUNCTION	PIN	FEEDBACK FUNCTION	PIN	FEEDBACK FUNCTION
1	Phase U	1	Hall W	1	-	1	-
2	PE	2	Hall U	2	-	2	-
3	Phase W	3	0 Vdc	3	-	3	0 Vdc
4	Phase V	4	5Vdc	4	-	4	7-12 Vdc
A	Brake 24V (#)	5	Ch /A	5	/Sin	5	/Sin
B	Brake 0V (#)	6	Ch A	6	Sin +	6	Sin
C	PT 1000 (+)	7	Ch /Z	7	/Ref	7	/DATA
D	PT 1000 (-)	8	Ch Z	8	Ref	8	DATA
# Optional		9	Hall V	9	-	9	-
		10	Shield	10	Shield	10	Shield
		11	Ch /B	11	/Cos	11	/Cos
		12	Ch B	12	Cos	12	Cos
		13	Hall /W	13	-	13	-
		14	Hall /V	14	-	14	-
		15	Hall /U	15	-	15	-
		16	-	16	-	16	-
		17	-	17	-	17	-

CONNECTORS WITH H2 CONNECTION for ALL OTHER MODELS

POWER CONNECTOR

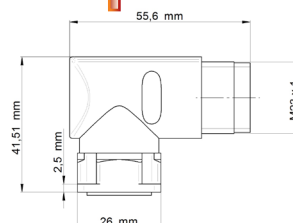
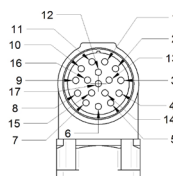
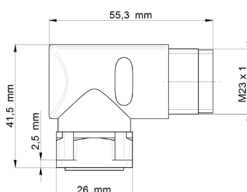
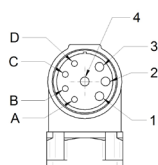
FEEDBACK CONNECTOR

TTL ENCODER E1

RESOLVER R1

ABSOLUTE ENCODER A1

PIN	FUNCTION	PIN	FEEDBACK FUNCTION	PIN	FEEDBACK FUNCTION	PIN	FEEDBACK FUNCTION
1	Phase U	1	Hall W	1	-	1	-
2	PE	2	Hall U	2	-	2	-
3	Phase W	3	0 Vdc	3	-	3	0 Vdc
4	Phase V	4	5Vdc	4	-	4	7-12 Vdc
A	Brake 24V (#)	5	Ch /A	5	/Sin	5	/Sin
B	Brake 0V (#)	6	Ch A	6	Sin +	6	Sin
C		7	Ch /Z	7	/Ref	7	/DATA
D		8	Ch Z	8	Ref	8	DATA
# Optional		9	Hall V	9	-	9	-
		10	Shield	10	Shield	10	Shield
		11	Ch /B	11	/Cos	11	/Cos
		12	Ch B	12	Cos	12	Cos
		13	Hall /W	13	-	13	-
		14	Hall /V	14	-	14	-
		15	Hall /U	15	-	15	-
		16	PT 1000 (+)	16	PT 1000 (+)	16	PT 1000 (+)
		17	PT 1000 (-)	17	PT 1000 (-)	17	PT 1000 (-)



The LITE PRO series is represented by the extremely compact 4-quadrants drives perfect matched to control the brushless servomotors TC Series. This series features as standard CanOpen interface and a complete programmable version with integral Motion Process Unit, that allows stand alone and network architecture operation.

FEATURES

- > 4 MODELS
- > STANDARD FEEDBACK TTL ENCODER AND HALL SENSOR
- > DIGITAL I/O: UP TO 8 DIGITAL INPUTS AND 1 OR 2 DIGITAL OUTPUTS CUSTOMIZABLE WITH SEVERAL BUILT-IN FUNCTIONS
- > CONTROL: STANDARD PI CONTROL LOOP
- > SERVO MODES: TORQUE, VELOCITY AND POSITION WITH S-CURVE PROFILE
- > INTERNAL SCRIPT
- > EXTREME COMPACT DESIGN
- > USB PROGRAMMING KEY

INTERFACE

- > ANALOG VELOCITY AND TORQUE COMMAND $\pm 10V$
- > CANopen



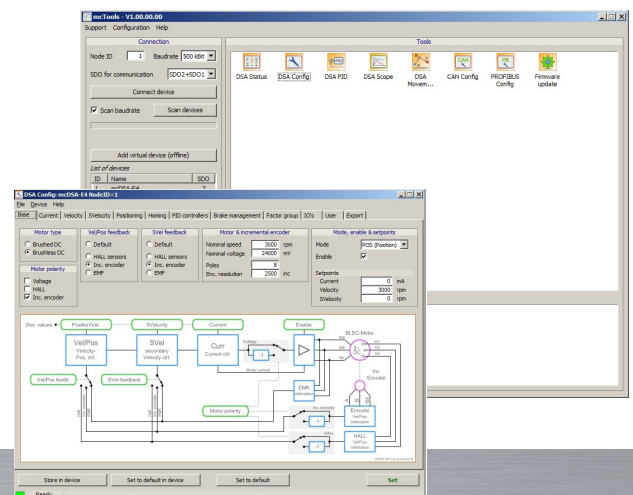
COMPACT AND PROFITABLE

PRODUCT DATA

FEATURE	UNITS	LPRO E65	LPRO E40	LPRO E20	LPRO E25
Input voltage	VDC	48			
Efficiency at rated power	%	>95			
Auxiliary supply voltage	VDC	9 ... 30			
Continuous current	Arms	4	8	24	28
Peak current	Arms	12	24	40	80
Ambient operating temperature	°C	0 to + 40°			
Maximum humidity	%	5÷85% not condensing			
Mounting method		Backplane	Wall mounting DIN Rail	Wall mounting	Wall mounting
Dimensions	LxWxH mm	52,5x41x11	110x22,5x77	111x100x30	111x100x30
Weight	gr	18	110	250	380
Digital IN		4	4	4	8
Digital OUT		2	1	1	2

LITE PRO USER INTERFACE

- > EASY AND INTUITIVE PC SOFTWARE ALLOWS A FAST
PARAMETERIZATION OF THE LITE PRO
- > SIMPLE SCOPE
- > SCRIPT EDITING

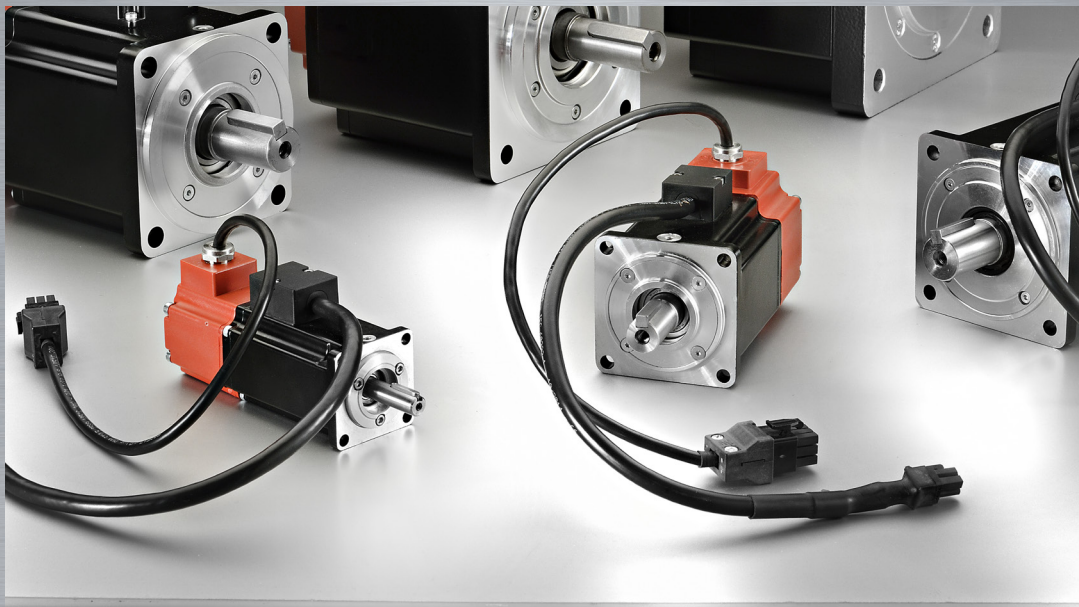


SEE IT BEFORE IT HAPPENS

**MOTOR
POWER**
COMPANY

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MOTORS

MOTION CONTROL

MECHATRONICS

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