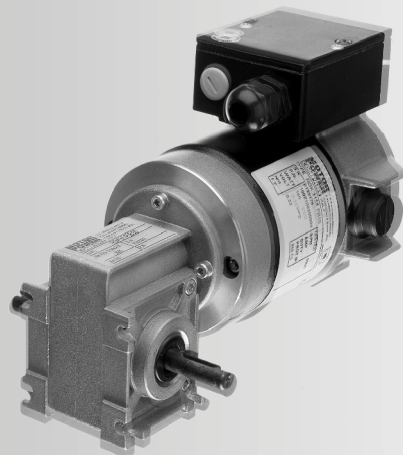
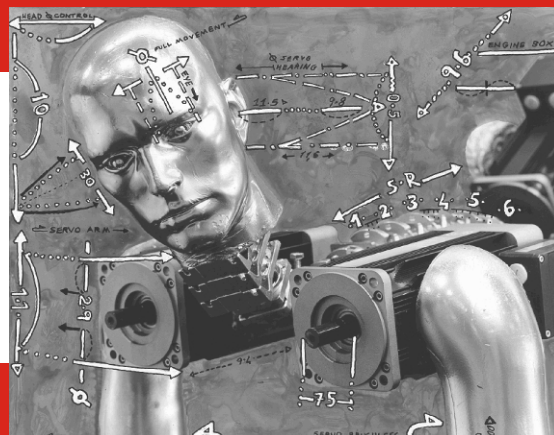
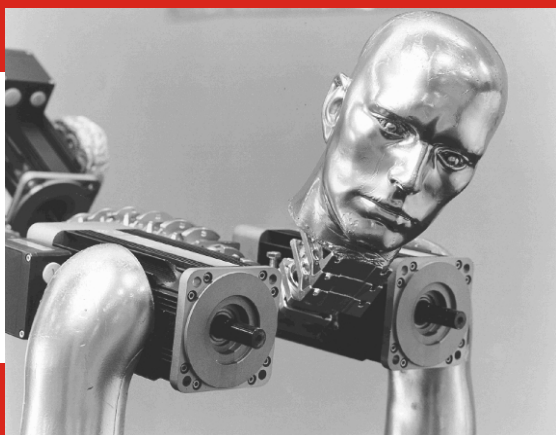




ROK

D.C. GEARMOTOR



MOTOR POWER COMPANY

www.motorpowergroup.com

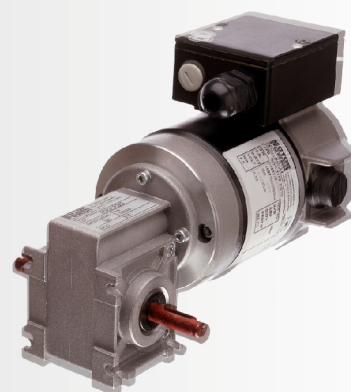
MOTOR TECHNOLOGY LTD
MOTEC HOUSE, CHADKIRK BUSINESS PARK,
STOCKPORT, CHESHIRE SK6 3NE
ENGLAND

TEL: +44 (0)161 217 7100
FAX: +44 (0)161 217 7101
eMAIL: info@controlinmotion.com
WEB: www.controlinmotion.com

motor
technology
control in motion.com

ROK

This series of worm gearmotors is assembled to continuous and alternating current motors. Thanks to the direct coupling ROK series introduces objective performance advantages in comparison with a classic configuration motor-gearboxes.



<i>Gearmotor Model</i>	<i>Power Watt</i>	<i>Input Speed (Rpm)</i>	<i>Voltage (Vdc)</i>	<i>Ratio</i>	<i>Max Torque (Nm)</i>
ROK 311 S	45	3000	24÷48	7÷100	10
ROK 311 M	70				
ROK 311 L	90				
ROK 315 X	100	3000	24÷180	7÷100	10
ROK 315 XS	150				
ROK 315 S	200				
ROK 335 XS	150	3000	24÷180	7÷100	10
ROK 335 S	200			7÷75	13
ROK 335 SL	300				
ROK 31 56	120	2800	3x220/380	7÷100	10
ROK 33 63	250			7÷75	13

Gearboxes dimension gauge 31mm and 33mm

Aluminium case gearbox, bronze-silver wheel and ground worm in steel

Extremely long-life and wearing resistant

ROK 311

TABELLA DI DEFINIZIONE SIGLA DI ORDINE PER MOTORIDUTTORI SERIE ROK 311
HOW TO ORDER A ROK 311 WORMGEARMOTOR

ROK	311M	30	48	01.04....	B	P.B10	07	A1
SERIE SERIES	TIPO TYPE	VELOCITA' MOTORE MOTOR SPEED	TENSIONE MOTORE MOTOR VOLTAGE	OPZIONI OPTIONS	VERSIONE MOTORE MOTOR VERSION	TIPO DI RIDUTTORE WORMGEAR TYPE	RAPPORTO DI RIDUZIONE RATIO	CONFIGU- RAZIONE CONFIGU- RATION
ROK	311S 311M 311L	30	24 48	01- Dinamo tachimetrica <i>Tacho generator</i> 02- Freno 0.5 Nm <i>Brake 0.5 Nm</i> 03- Freno 0.5 Nm + din. tachim. <i>Tacho gen.+ brake 0.5 Nm</i> 04- Uscita cavi 2P 1m <i>Flying leads 2P 1m</i> 05- Uscita cavi 2P 1m + D.T. <i>Tacho gen. + flying leads 2P 1m</i> 06- Past. Termica (solo morset.) <i>Thermal cut-out (only on terminal box version)</i> 07- Protezione IP55 <i>IP55</i> 08- Pred. encoder EH38 <i>EH38 encoder prearrangement</i> 09- Pred. encoder EH53 <i>EH53 encoder prearrangement</i> 10- Distanziale encoder n°1 <i>Encoder spacer n°1</i> 11- Morsettiera <i>Terminal box</i>	B : Base Basic	P.B10 P.K14 FQ1.K14.DX FQ1.B10.DX FT1.S12.DX P1.K14	07 10 12 15 18 24 30 38 55 75 100	A1 C1 E1 G1

ROK 311S

WATT
Motore-motor
45

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 45 W				VELOCITA' - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.14 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	10	12	15	18	24	30	38	55	75	100*	
VELOCITA' USCITA <i>Output speed</i>	RPM		429	300	250	200	167	125	100	79	55	40	30*	
COPPIA NOMINALE <i>Rated Torque</i>	Nm		0.8	1	1.2	1.5	1.7	1.6	2	2.5	3.1	2.8	4	
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	9.7	9.5	12.1	10.7	10.3	9.2	10.3	11.4	10.4	7.3	7.4	
		(B)	14.5	14.2	18	16	15.5	13.8	15.4	17.1	15.6	12	12	
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		48	24	(2)									
CORRENTE NOMINALE <i>Rated Current</i>	AMP		1.3	2.6										
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		6.3	1.33										
INDUTT. ARMATURA <i>Armature inductance</i>	mH		9	2										
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		13	6.4										
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms		1.5	1.5										
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		6	5										
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		20	20										

* Solo su richiesta only by request (2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE <i>Radial Load</i>	N	120
CARICO ASSIALE <i>Axial Load</i>	N	80
PESO MOTORIDUTTORE <i>Gearmotor weight</i>	Kg	1.7
LUBRIFICAZIONE <i>Lubrication</i>	GRASSO Long life grease	
CORONA <i>Worm</i>	BRONZO Bronze	
VITE <i>Screw</i>	ACCIAIO Steel	

DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO <i>Insulation class</i>		F
FATTORE DI SERVIZIO <i>Duty cycle</i>		S1
FATTORE DI FORMA <i>Form Factor</i>	FF	1
TEMPERATURA AMBIENTE <i>Room temperature</i>	T rif °C	40°
GRADO DI PROTEZIONE <i>Protection</i>	IP	54
INERZIA ROTORE <i>Rotor inertia</i>	Jm Kgcm ²	0.28

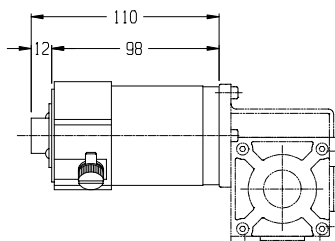
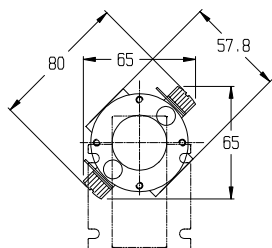
ROK311S

DIMENSIONI (mm)

DIMENSIONS (mm)

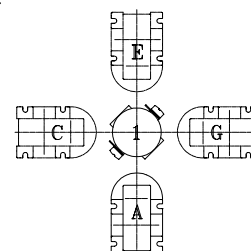
**MOTOR
POWER
COMPANY**

B *



Vista frontale

Front view

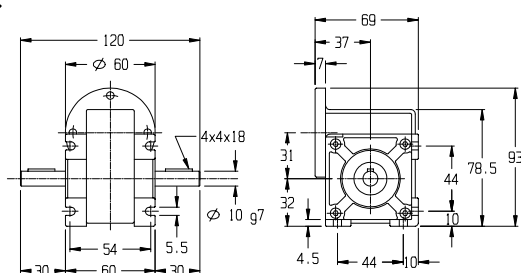


Configurazione

Configuration

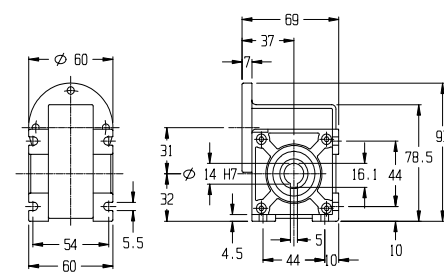
* P.B10

STD Config. A1



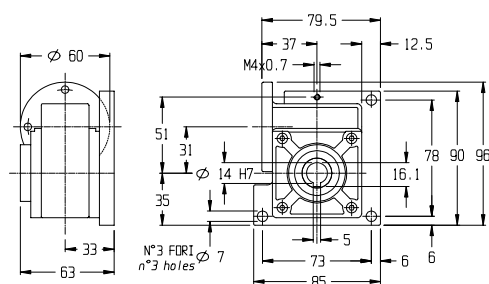
* P.K14

STD Config. A1



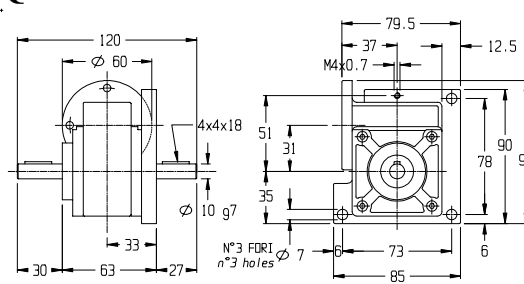
* FQ1.K14.DX

STD Config. A1



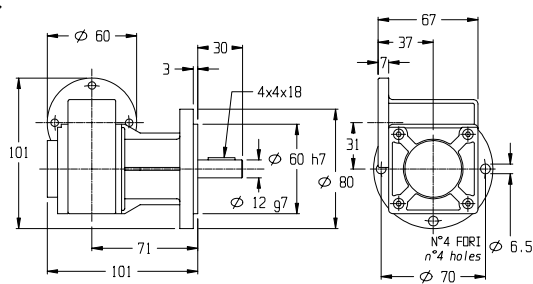
* FQ1.B10.DX

STD Config. A1



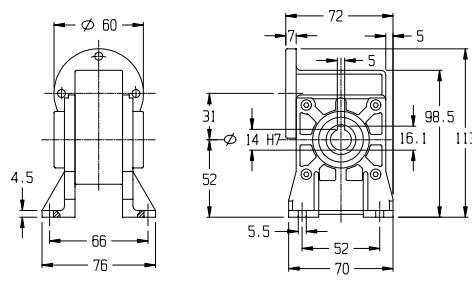
* FT1.S12.DX

STD Config. A1



* P1.K14

STD Config. A1



Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720105001AA

SERIE-Series

ROK 311M

WATT
Motore-motor
70

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 70 W				VELOCITA' - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.22 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	10	12	15	18	24	30	38	55	75	100*	
VELOCITA' USCITA <i>Output speed</i>	RPM		429	300	250	200	167	125	100	79	55	40	30*	
COPPIA NOMINALE <i>Rated Torque</i>	Nm		1.2	1.5	1.8	2.2	2.6	2.5	3.1	3.8	4.8	4.3	6.2	
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	9.7	9.5	12.1	10.7	10.3	9.2	10.3	11.4	10.4	7.3	7.4	
		(B)	14.5	14.2	18	16	15.5	13.8	15.4	17.1	15.6	12	12	
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		48	24	(2)									
CORRENTE NOMINALE <i>Rated Current</i>	AMP		1.95	3.65										
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		2.33	0.85										
INDUTT. ARMATURA <i>Armature inductance</i>	mH		4	1.34										
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		13.2	7.3										
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms		1.7	1.58										
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		6.5	6										
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		25	25										

* Solo su richiesta only by request (2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
 (B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	120
CARICO ASSIALE Axial Load	N	80
PESO MOTORIDUTTORE Gearmotor weight	Kg	2
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	FF	1
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.47

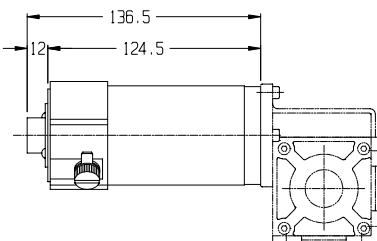
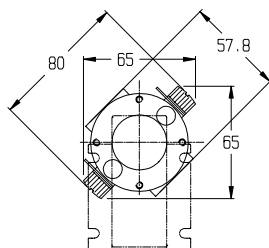
ROK311M

DIMENSIONI (mm)

DIMENSIONS (mm)

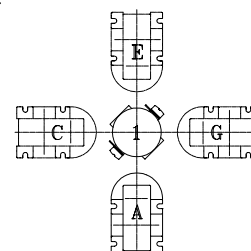


B *



Vista frontale

Front view

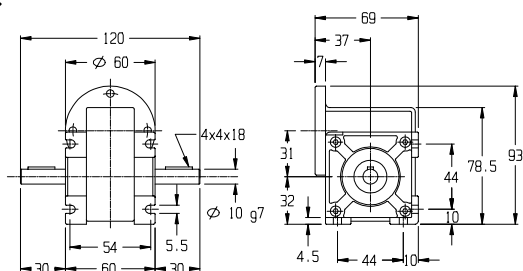


Configurazione

Configuration

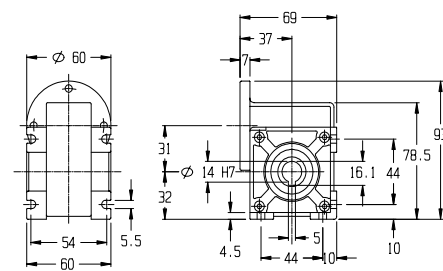
* P.B10

STD Config. A1



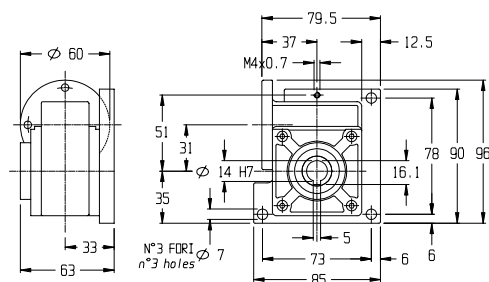
* P.K14

STD Config. A1



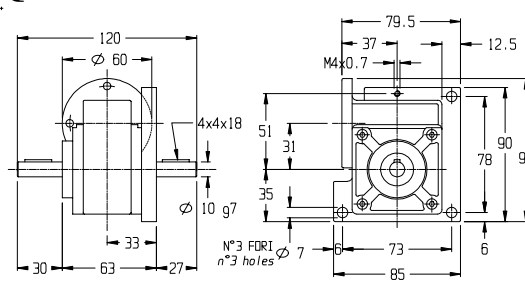
* FQ1.K14.DX

STD Config. A1



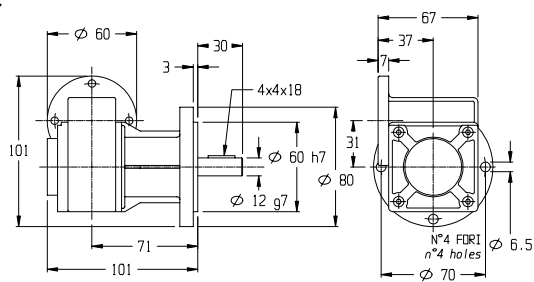
* FQ1.B10.DX

STD Config. A1



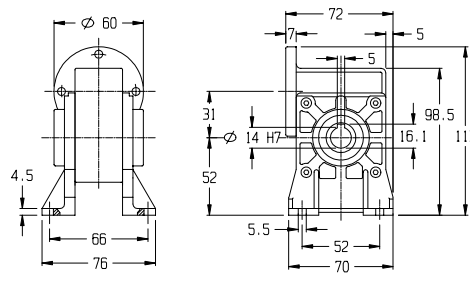
* FT1.S12.DX

STD Config. A1



* P1.K14

STD Config. A1



Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720111001AA

ROK 311L

WATT
Motore-motor
95

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 95 W				VELOCITA' - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.3 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	10	12	15	18	24	30	38	55	75	100*	
VELOCITA' USCITA <i>Output speed</i>	RPM		429	300	250	200	167	125	100	79	55	40	30*	
COPPIA NOMINALE <i>Rated Torque</i>	Nm		1.6	2	2.5	3.1	3.6	3.5	4.2	5.2	6.6	5.9	7.4	
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	9.7	9.5	12.1	10.7	10.3	9.2	10.3	11.4	10.4	7.3	7.4	
		(B)	14.5	14.2	18	16	15.5	13.8	15.4	17.1	15.6	12	12	
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		48	24	(2)									
CORRENTE NOMINALE <i>Rated Current</i>	AMP		2.5	4.9										
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		2.43	0.48										
INDUTT. ARMATURA <i>Armature inductance</i>	mH		3	0.7										
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		13.3	7.5										
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms		1.24	1.46										
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		9	6										
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		30	30										

* Solo su richiesta only by request (2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
 (B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

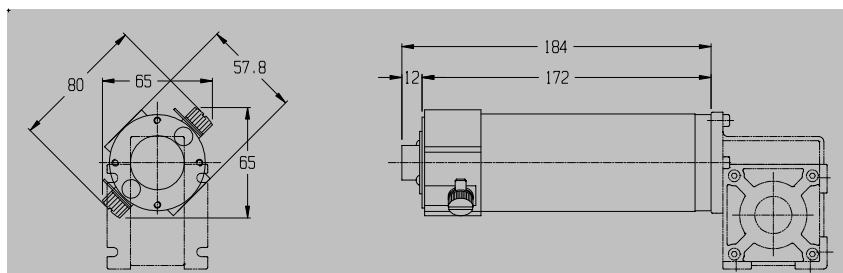
DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	120
CARICO ASSIALE Axial Load	N	80
PESO MOTORIDUTTORE Gearmotor weight	Kg	2.6
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

DATI ELETTRICI - Winding data

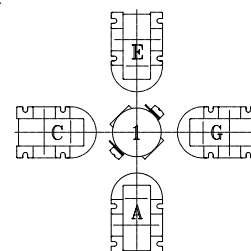
CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	FF	1
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.9

B *



Vista frontale

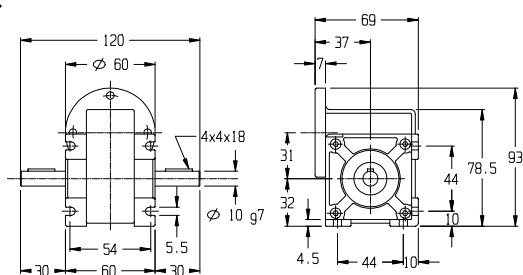
Front view



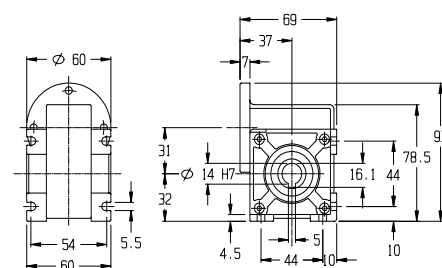
Configurazione

Configuration

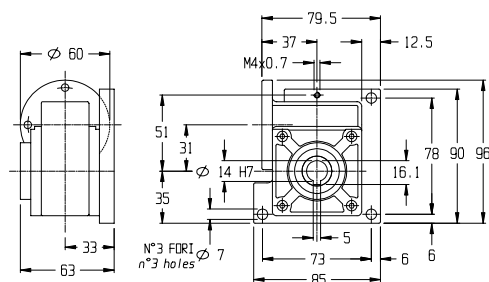
*** P.B10**

STD Config. **A1**

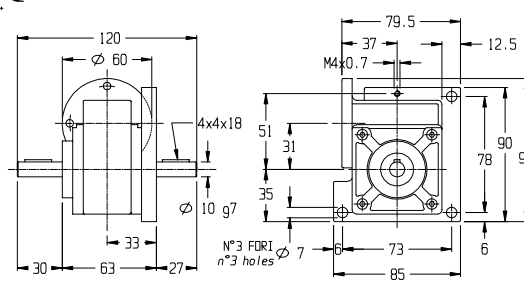
*** P.K14**

STD Config. **A1**

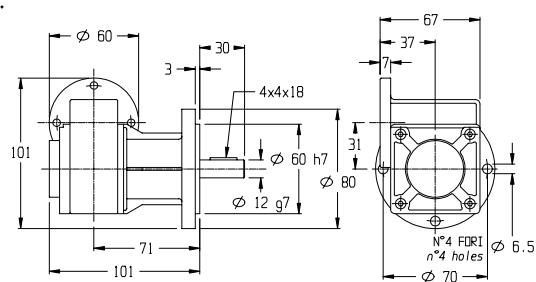
*** FQ1.K14.DX**

STD Config. **A1**

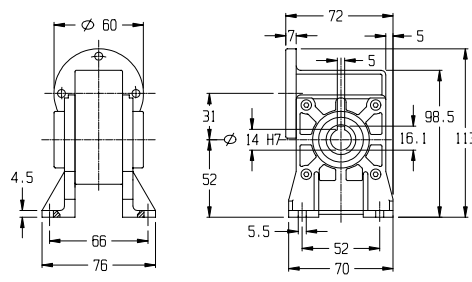
*** FQ1.B10.DX**

STD Config. **A1**

*** FT1.S12.DX**

STD Config. **A1**

*** P1.K14**

STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

*Fitting motor and gear box marked with the same symbol * / ***

ROK311

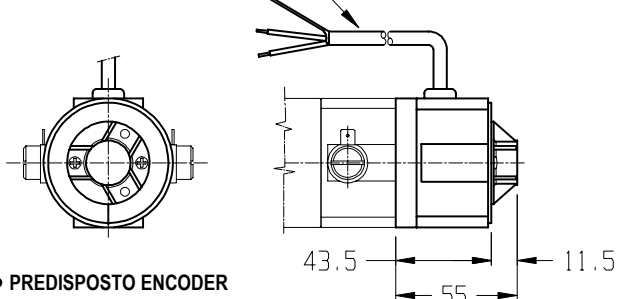
OPTIONALS (mm)

**MOTOR
POWER
COMPANY**
**DINAMO
TACHIMETRICA**

01

**TACHO
GENERATOR**

* cavo schermato L=1m
shielded cable L=1m



• **PREDISPOSTO ENCODER**
ENCODER PREARRANGEMENT

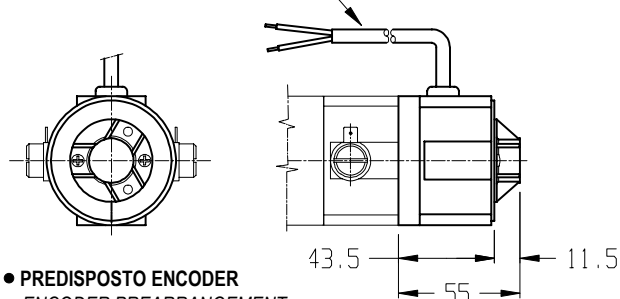
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM	CORRENTE NOMINALE RATED CURRENT	2 mA
VELOCITA' MASSIMA MAX SPEED	9000 RPM	CORRENTE MASSIMA MAX CURRENT	8 mA

FRENO 0.5 Nm

02

BRAKE 0.5 Nm

* n°2 cavi 0.5*1m
n°2 cables 0.5*1m



• **PREDISPOSTO ENCODER**
ENCODER PREARRANGEMENT

COPPIA STATICA STATIC TORQUE	0.5 Nm	CORRENTE CURRENT	0.42 A
TENSIONE DI ALIMEN. POWER SUPPLY VOLTAGE	24 V.c.c.	POTENZA ASSORBITA INPUT POWER	10 W

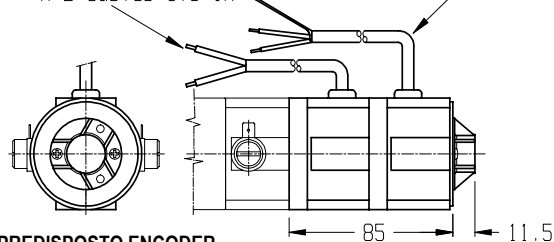
**FRENO 0.5 Nm + DIN.
TACHIMETRICA**

03

**TACHO GENERATOR
+ BRAKE 0.5 Nm**

* n°2 cavi 0.5*1m
n°2 cables 0.5*1m

cavo schermato L=1m
shielded cable L=1m



• **PREDISPOSTO ENCODER**
ENCODER PREARRANGEMENT

FRENO	BRAKE	DINAMO T.	TACHO G.
COPPIA STATICA STATIC TORQUE	0.5 Nm	COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM
TENSIONE DI ALIMEN. POWER SUPPLY VOLTAGE	24 V.c.c.	VELOCITA' MASSIMA MAX SPEED	9000 RPM
CORRENTE CURRENT	0.42 A	CORRENTE NOMINALE RATED CURRENT	2 mA
POTENZA ASSORBITA INPUT POWER	10 W	CORRENTE MASSIMA MAX CURRENT	8 mA

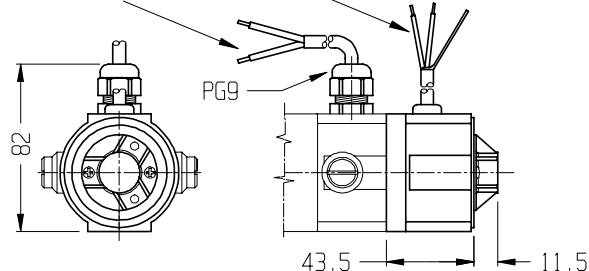
**CAVO + DINAMO
TACHIMETRICA**

05

**TACHO GENERATOR
+ FLYING LEADS**

cavo AF 2*1.5*1m
cable 2*1.5*1m

cavo schermato L=1m
shielded cable L=1m



• **PREDISPOSTO ENCODER**
ENCODER PREARRANGEMENT

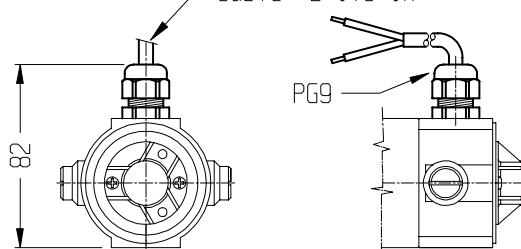
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM	CORRENTE NOMINALE RATED CURRENT	2 mA
VELOCITA' MASSIMA MAX SPEED	9000 RPM	CORRENTE MASSIMA MAX CURRENT	8 mA

CAVO

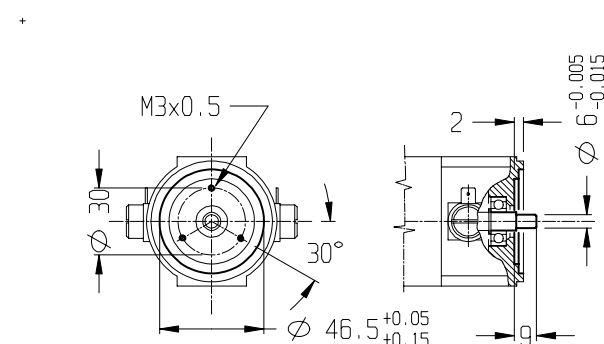
04

FLYING LEADS

* cavo AF 2*1.5*1m
cable 2*1.5*1m


**PREDISPOSIZIONE
ENCODER**

•

**ENCODER
PREARRANGEMENT**


ROK311

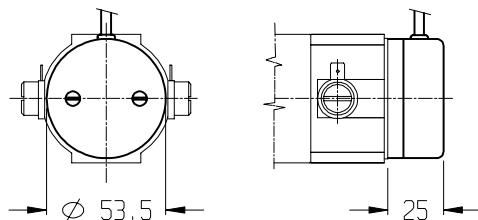
OPTIONALS (mm)



ENCODER EH38

08

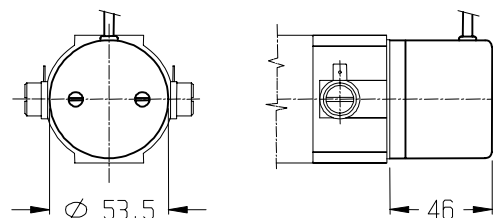
EH38 ENCODER



ENCODER EH53

09

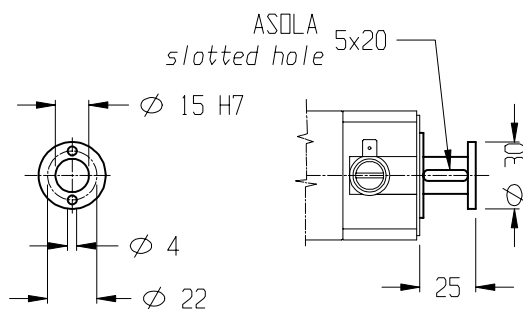
EH53 ENCODER



DISTANZIALE ENCODER N°1

10

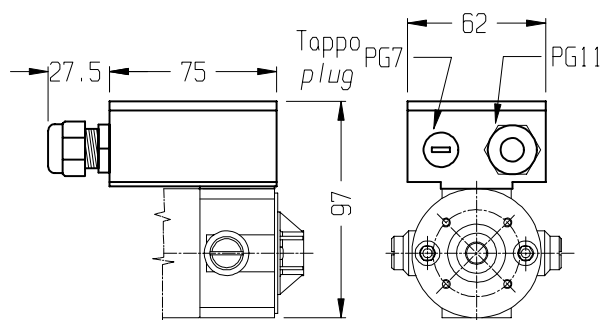
ENCODER
SPACER N°1



MORSETTIERA

11

TERMINAL BOX



ROK 315

TABELLA DI DEFINIZIONE SIGLA DI ORDINE PER MOTORIDUTTORI SERIE ROK 315
HOW TO ORDER A ROK 315 WORMGEARMOTOR

ROK	315S	30	48	01.04....	B	P.B10	07	A1
SERIE SERIES	TIPO TYPE	VELOCITA' MOTORE MOTOR SPEED	TENSIONE MOTORE MOTOR VOLTAGE	OPZIONI OPTIONS	VERSIONE MOTORE MOTOR VERSION	TIPO DI RIDUTTORE WORMGEAR TYPE	RAPPORTO DI RIDUZIONE RATIO	CONFIGU- RAZIONE CONFIGU- RATION
ROK	315X 315XS 315S	30	24 48 60 90 180	01- Dinamo tachimetrica <i>Tacho generator</i> 04- Uscita cavi 2P 0.5m <i>Flying leads 2P 0.5m</i> 05- Uscita cavi 2P 0.5m + D.T. <i>Tacho g. + flying leads 2P 0.5m</i> 06- Past. Termica (solo morset.) <i>Thermal cut-out (only on terminal box version)</i> 07- Protezione IP55 <i>IP55</i> 08- Pred. encoder EH38 <i>EH38 encoder prearrangement</i> 09- Pred. encoder EH53 <i>EH53 encoder prearrangement</i> 10- Distanziale encoder n°1 <i>Encoder spacer n°1</i> 11- Distanziale encoder n°2 <i>Encoder spacer n°2</i> 15- Freno 1.7 Nm <i>Brake 1.7 Nm</i> 16- Freno 1.7 Nm + din. tachimet. <i>Tacho gen. + brake 1.7 Nm</i>	B : Base <i>Basic</i> P : Piedi <i>Foot mounting</i>	B.B10 B.K14 P.B10 P.K14 FT1.S12.DX P1.K14	07 10 12 15 18 24 30 38 55 75 100	A1 B1 C1 D1 E1 F1 G1 H1

ROK 315X

WATT
Motore-motor
100

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 100 W				VELOCITA - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.32 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	10	12	15	18	24	30	38	55	75	100*	
VELOCITA USCITA <i>Output speed</i>	RPM		429	300	250	200	167	125	100	79	55	40	30*	
COPPIA NOMINALE <i>Rated Torque</i>	Nm		1.7	2.2	2.6	3.3	3.8	3.7	4.5	5.6	7	6.2	7.4	
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	9.7	9.5	12.1	10.7	10.3	9.2	10.3	11.4	10.4	7.3	7.4	
		(B)	14.5	14.2	18	16	15.5	13.8	15.4	17.1	15.6	12	12	
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		180	90	60	48	24	(2)						
CORRENTE NOMINALE <i>Rated Current</i>	AMP		0.74	1.5	2.2	2.8	5.5							
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		16.7	4.1	1.8	1.28	0.4							
INDUTT. ARMATURA <i>Armature inductance</i>	mH		46.5	10.25	4.15	2.95	0.8							
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		54	27	17	15	7							
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms		2.8	2.5	2.3	2.3	2							
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		11	11	12	11	16							
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		20	20	20	20	20							

* Solo su richiesta only by request (2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	120
CARICO ASSIALE Axial Load	N	80
PESO MOTORIDUTTORE Gearmotor weight	Kg	3.6
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

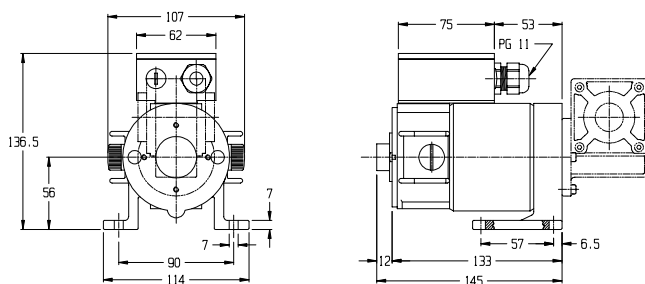
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	FF	1
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.00018

ROK315X

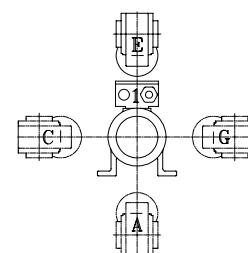
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY****P ***

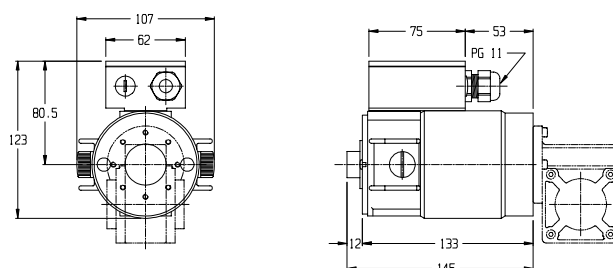
Vista frontale

Front view



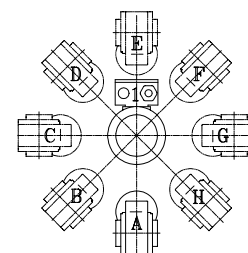
Configurazione

Configuration

B **

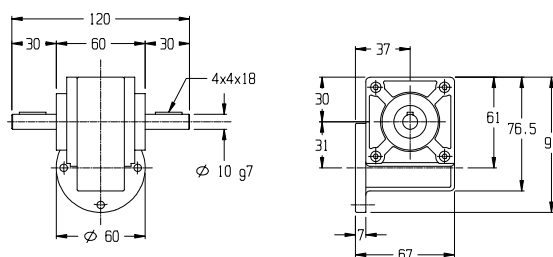
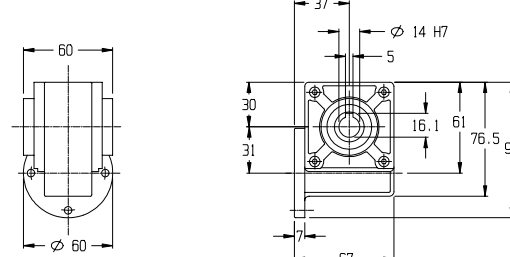
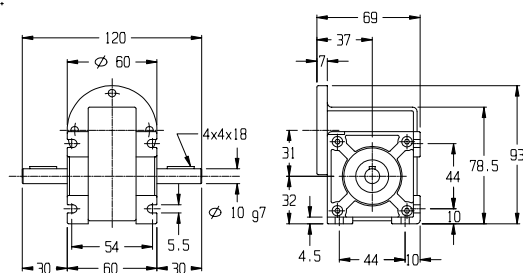
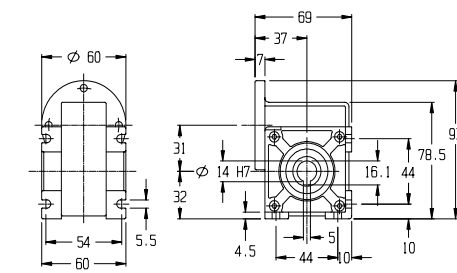
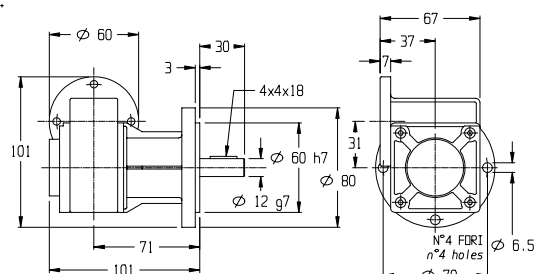
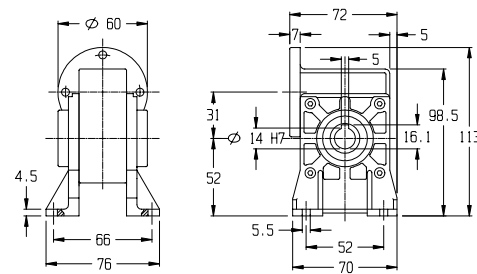
Vista frontale

Front view



Configurazione

Configuration

*** B.B10**STD Config. **E1***** B.K14**STD Config. **E1****** P.B10**STD Config. **A1****** P.K14**STD Config. **A1****** FT1.S12.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720301001AA

SERIE-Series

ROK 315XS

WATT
Motore-motor
150

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 150 W				VELOCITA - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.48 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	10	12	15	18	24	30	38	55	75	100*	
VELOCITA USCITA <i>Output speed</i>	RPM		429	300	250	200	167	125	100	79	55	40	30*	
COPPIA NOMINALE <i>Rated Torque</i>	Nm		2.5	3.3	4	4.9	5.7	5.5	6.8	8.4	10.4	7.3	7.4	
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	9.7	9.5	12.1	10.7	10.3	9.2	10.3	11.4	10.4	7.3	7.4	
		(B)	14.5	14.2	18	16	15.5	13.8	15.4	17.1	15.6	12	12	
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		180	90	60	48	24	(2)						
CORRENTE NOMINALE <i>Rated Current</i>	AMP		1.1	2.27	3.3	4.2	8.33							
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		13.9	3.5	1.64	1.1	0.29							
INDUTT. ARMATURA <i>Armature inductance</i>	mH		47	10.9	5.4	3.5	0.73							
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		54	26	18	15	7							
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms		3.4	3.2	3.29	3.2	2.5							
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		15	17	17	16	19							
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		20	20	20	20	20							

* Solo su richiesta only by request (2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	120
CARICO ASSIALE Axial Load	N	80
PESO MOTORIDUTTORE Gearmotor weight	Kg	4.2
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

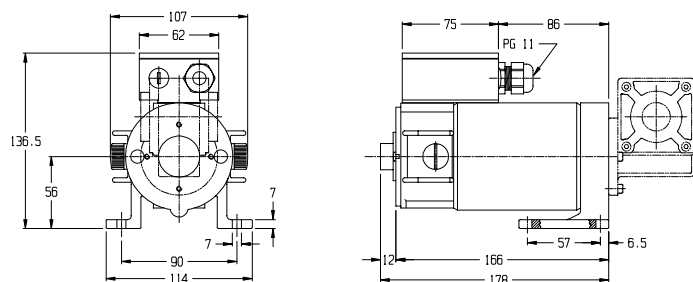
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	FF	1
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.0003

ROK315Xs

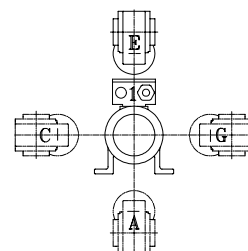
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY**
P *

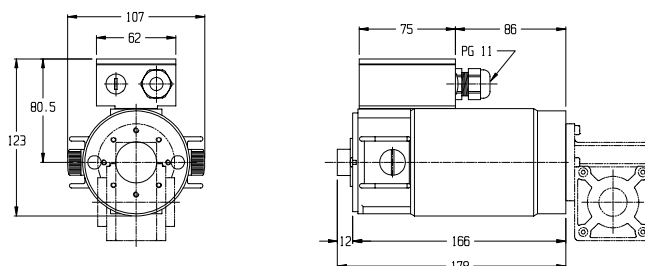
Vista frontale

Front view



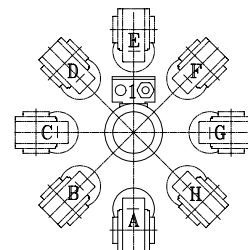
Configurazione

Configuration

B **

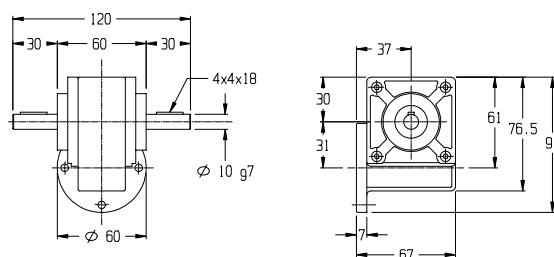
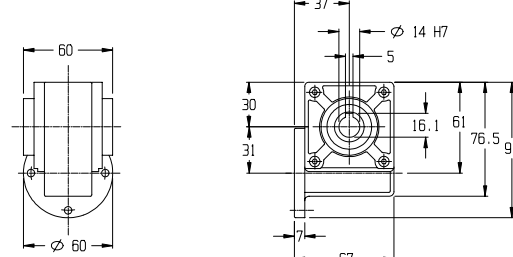
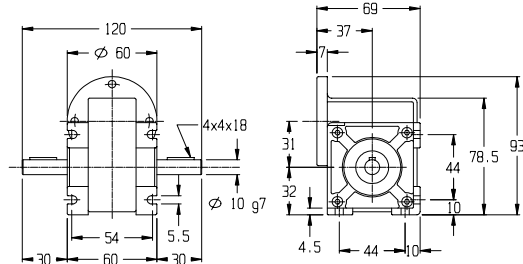
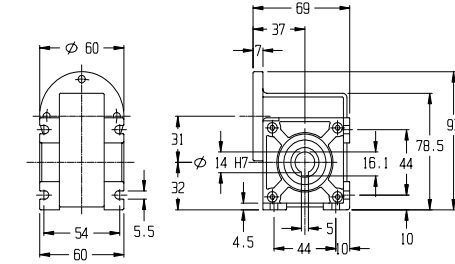
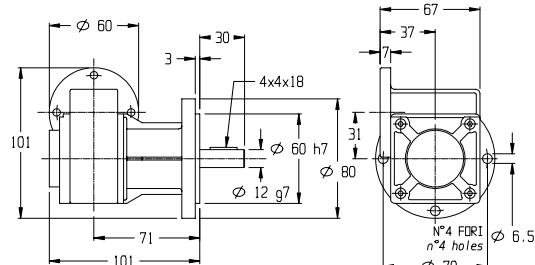
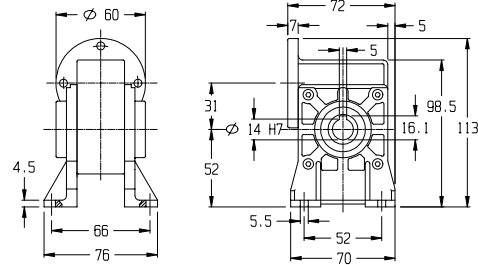
Vista frontale

Front view



Configurazione

Configuration

*** B.B10**STD Config. **E1***** B.K14**STD Config. **E1****** P.B10**STD Config. **A1****** P.K14**STD Config. **A1****** FT1.S12.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720303001AA

ROK 315S

WATT
Motore-motor
200

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>		POTENZA - Power 200 W	VELOCITA -Speed 3000 RPM	COPPIA - Torque 0.64 Nm
RAPPORTO RIDUZIONE <i>Ratio</i>	I :	7 10 12 15 18 24 30 38 55 75 100*		
VELOCITA USCITA <i>Output speed</i>	RPM	429 300 250 200 167 125 100 79 55 40 30*		
COPPIA NOMINALE <i>Rated Torque</i>	Nm	3.4 4.4 5.3 6.5 7.6 7.4 9 11.2 10.4 7.3 7.4		
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A) 9.7 9.5 12.1 10.7 10.3 9.2 10.3 11.4 10.4 7.3 7.4 (B) 14.5 14.2 18 16 15.5 13.8 15.4 17.1 15.6 12 12		
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT	180 87 60 48 24 (2)		
CORRENTE NOMINALE <i>Rated Current</i>	AMP	1.4 2.95 4.3 5.3 10.7		
RESIST. ARMATURA <i>Armature resistance</i>	Ohm	6.15 1.36 0.92 0.6 0.17		
INDUTT. ARMATURA <i>Armature inductance</i>	mH	20 3.9 2.5 1.5 0.32		
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm	54 26 18 15 7		
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms	3.3 2.9 2.7 2.5 1.9		
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms	14 13 19 17 23		
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min	30 30 30 30 30		

* Solo su richiesta only by request (2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE <i>Radial Load</i>	N	120
CARICO ASSIALE <i>Axial Load</i>	N	80
PESO MOTORIDUTTORE <i>Gearmotor weight</i>	Kg	5.3
LUBRIFICAZIONE <i>Lubrication</i>	GRASSO Long life grease	
CORONA <i>Worm</i>	BRONZO Bronze	
VITE <i>Screw</i>	ACCIAIO Steel	

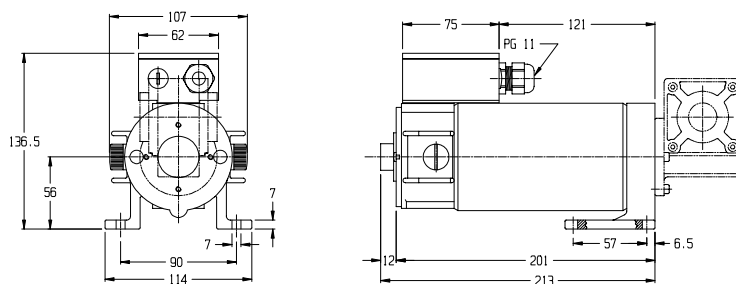
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO <i>Insulation class</i>		F
FATTORE DI SERVIZIO <i>Duty cycle</i>		S1
FATTORE DI FORMA <i>Form Factor</i>	FF	1
TEMPERATURA AMBIENTE <i>Room temperature</i>	T rif °C	40°
GRADO DI PROTEZIONE <i>Protection</i>	IP	54
INERZIA ROTORE <i>Rotor inertia</i>	Jm Kgcm ²	0.0006

ROK315S

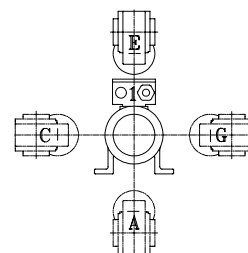
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY**
P *

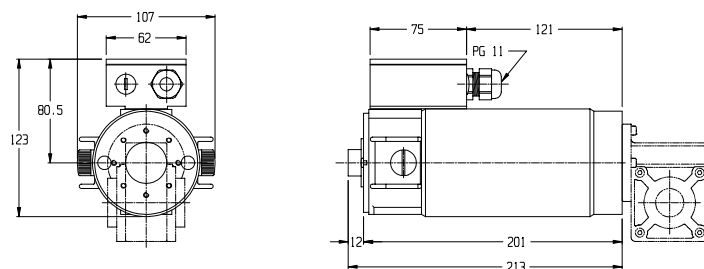
Vista frontale

Front view



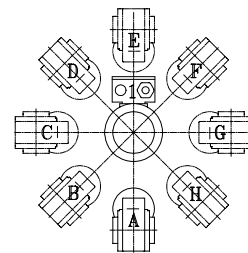
Configurazione

Configuration

B **

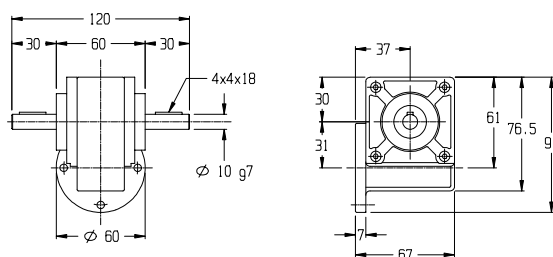
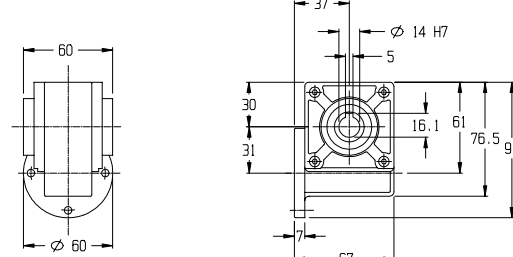
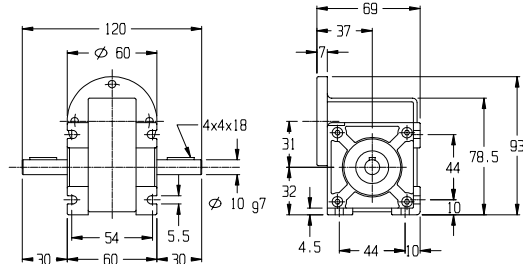
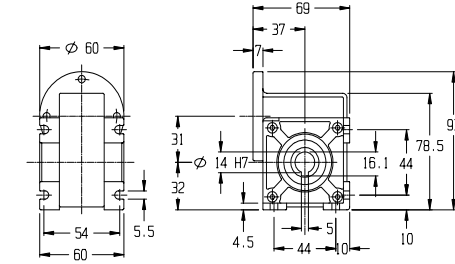
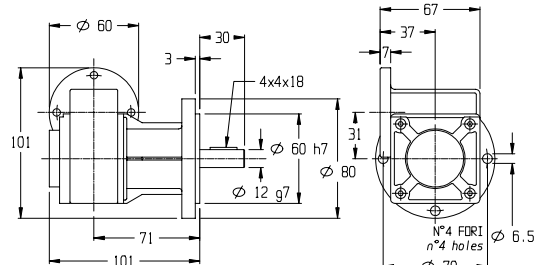
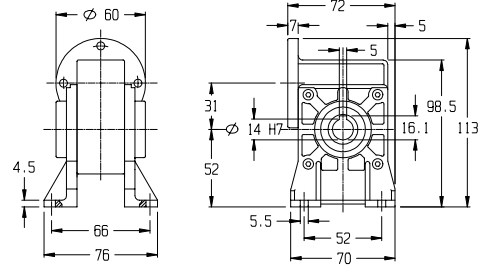
Vista frontale

Front view



Configurazione

Configuration

*** B.B10**STD Config. **E1***** B.K14**STD Config. **E1****** P.B10**STD Config. **A1****** P.K14**STD Config. **A1****** FT1.S12.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

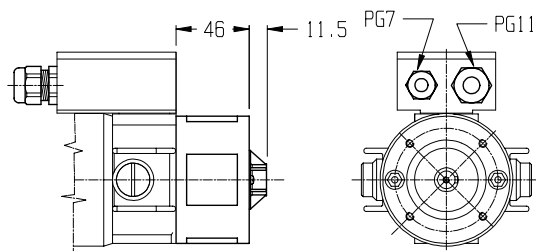
DATA SHEET N° 720305001AA

ROK315

OPTIONALS (mm)

**MOTOR
POWER
COMPANY**
**DINAMO
TACHIMETRICA**

01

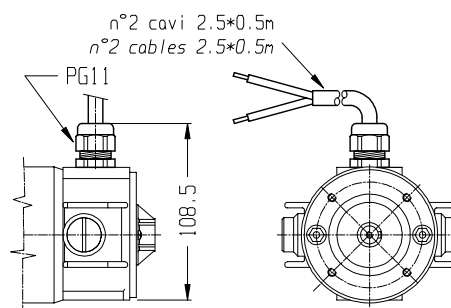
**TACHO
GENERATOR**


• **PREDISPOSTO ENCODER** ENCODER PREARRANGEMENT

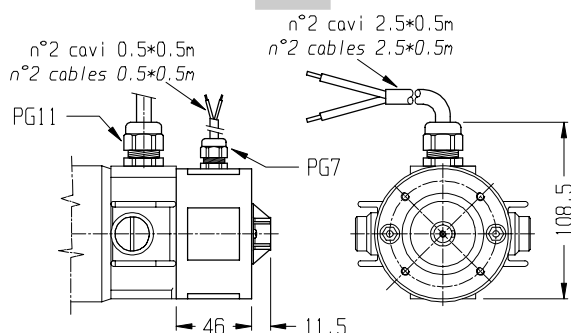
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM	CORRENTE NOMINALE RATED CURRENT	2 mA
VELOCITA' MASSIMA MAX SPEED	9000 RPM	CORRENTE MASSIMA MAX CURRENT	8 mA

CAVO

04

FLYING LEADS

**CAVO + DINAMO
TACHIMETRICA**

05

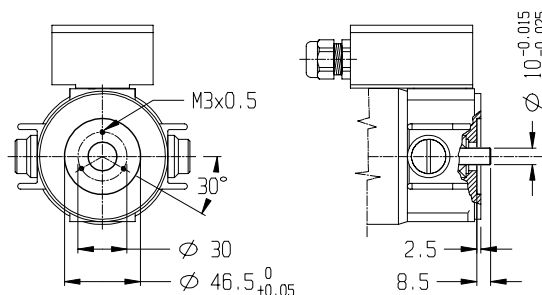
**TACHO GENERATOR
+ FLYING LEADS**


• **PREDISPOSTO ENCODER** ENCODER PREARRANGEMENT

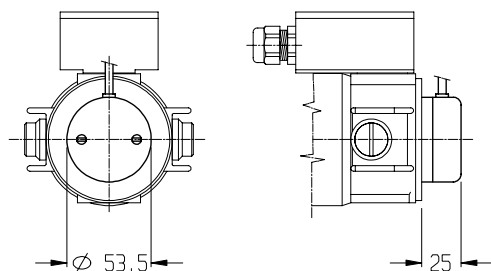
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM	CORRENTE NOMINALE RATED CURRENT	2 mA
VELOCITA' MASSIMA MAX SPEED	9000 RPM	CORRENTE MASSIMA MAX CURRENT	8 mA

**PREDISPOSIZIONE
ENCODER**

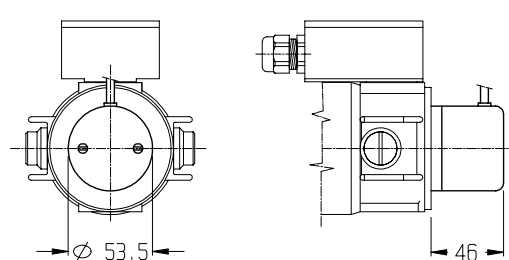
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**ENCODER
PREARRANGEMENT**

ENCODER EH38

08

ENCODER EH38

ENCODER EH53

09

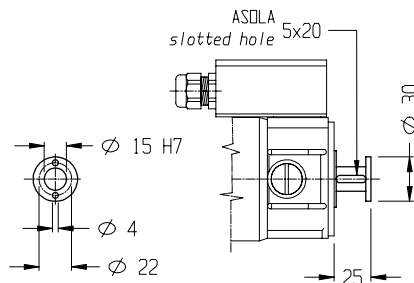
ENCODER EH53


ROK315

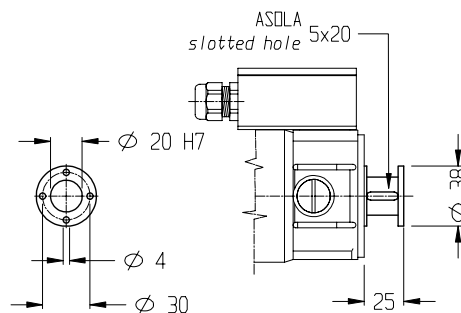
OPTIONALS (mm)

**MOTOR
POWER
COMPANY**
**DISTANZIALE
ENCODER N°1**

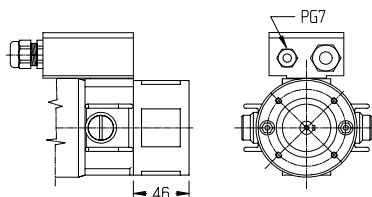
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**ENCODER
SPACER N°1**

**DISTANZIALE
ENCODER N°2**

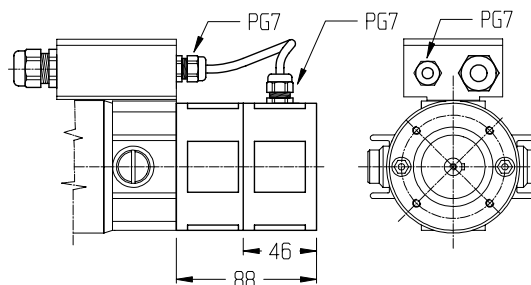
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**ENCODER
SPACER N°2**

FRENO 1.7 Nm

15

BRAKE 1.7 Nm

**FRENO 1.7 Nm +
DIN. TACHIM.**

16

**TACHO GENERATOR
+ BRAKE 1.7 Nm**


FRENO	BRAKE	DINAMO T.	TACHO G.
COPPIA STATICA STATIC TORQUE	1.7 Nm	COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM
TENSIONE DI ALIMEN. POWER SUPPLY VOLTAGE	24-190 V.c.c.	VELOCITA' MASSIMA MAX SPEED	9000 RPM
CORRENTE CURRENT	0.46-0.058 A	CORRENTE NOMINALE RATED CURRENT	2 mA
POTENZA ASSORBITA INPUT POWER	11 W	CORRENTE MASSIMA MAX CURRENT	8 mA

COPPIA STATICA STATIC TORQUE	1.7 Nm	CORRENTE CURRENT	0.46-0.058 A
TENSIONE DI ALIMEN. POWER SUPPLY VOLTAGE	24-190 V.c.c.	POTENZA ASSORBITA INPUT POWER	11 W

ROK 335

TABELLA DI DEFINIZIONE SIGLA DI ORDINE PER MOTORIDUTTORI SERIE ROK 335
HOW TO ORDER A ROK 335 WORMGEARMOTOR

ROK	335S	30	48	01.04....	B	P.B10	07	A1
SERIE SERIES	TIPO TYPE	VELOCITA' MOTORE MOTOR SPEED	TENSIONE MOTORE MOTOR VOLTAGE	OPZIONI OPTIONS	VERSIONE MOTORE MOTOR VERSION	TIPO DI RIDUTTORE WORMGEAR TYPE	RAPPORTO DI RIDUZIONE RATIO	CONFIGU- RAZIONE CONFIGU- RATION
ROK	335XS 335S 335SL	30	24 48 60 90 180	01- Dinamo tachimetrica <i>Tacho generator</i> 04- Uscita cavi 2P 0.5m <i>Flying leads 2P 0.5m</i> 05- Uscita cavi 2P 0.5m + D.T. <i>Tacho g. + flying leads 2P 0.5m</i> 06- Past. Termica (solo morset.) <i>Thermal cut-out (only on terminal box version)</i> 07- Protezione IP55 <i>IP55</i> 08- Pred. encoder EH38 <i>EH38 encoder prearrangement</i> 09- Pred. encoder EH53 <i>EH53 encoder prearrangement</i> 10- Distanziale encoder n°1 <i>Encoder spacer n°1</i> 11- Distanziale encoder n°2 <i>Encoder spacer n°2</i> 15- Freno 1.7 Nm <i>Brake 1.7 Nm</i> 16- Freno 1.7 Nm + din. tachimet. <i>Tacho gen. + brake 1.7 Nm</i>	B : Base <i>Basic</i> P : Piedi <i>Foot mounting</i>	B.B12 B.K14 P.B12 P.K14 FT3.S14.DX P1.K14	07 11 15 20 24 30 38 56 75	A1 B1 C1 D1 E1 F1 G1 H1

SERIE-Series

ROK 335XS

WATT
Motore-motor
150

Nm
Riduttore-gear
13

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 150 W				VELOCITA' - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.64 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	11	15	20	24	30	38	56	75			
VELOCITA' USCITA <i>Output speed</i>	RPM		429	273	200	150	125	100	79	54	40			
COPPIA NOMINALE <i>Rated Torque</i>	Nm		2.4	3.4	4.3	5.2	5.6	6.2	7.5	7.8	8.6			
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A) (B)	12 18	13 20	13 19.5	13 19	13 20	13 19	14 20	10 15	9 13.5			
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		180	90	60	48	24	(2)						
CORRENTE NOMINALE <i>Rated Current</i>	AMP		1.1	2.27	3.3	4.2	8.33							
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		13.9	3.5	1.64	1.1	0.29							
INDUTT. ARMATURA <i>Armature inductance</i>	mH		47	10.9	5.4	3.5	0.73							
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		54	26	18	15	7							
COST. TEMPO Elett. <i>Elect. time constant</i>	Te ms		3.4	3.2	3.29	3.2	2.5							
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		15	17	17	16	19							
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		15	15	15	15	15							

(2) Altre tensioni a richiesta - other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE <i>Radial Load</i>	N	140
CARICO ASSIALE <i>Axial Load</i>	N	100
PESO MOTORIDUTTORE <i>Gearmotor weight</i>	Kg	4.3
LUBRIFICAZIONE <i>Lubrication</i>	GRASSO Long life grease	
CORONA <i>Worm</i>	BRONZO Bronze	
VITE <i>Screw</i>	ACCIAIO Steel	

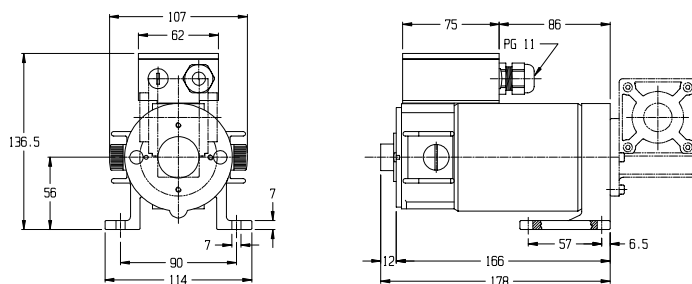
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO <i>Insulation class</i>	F	
FATTORE DI SERVIZIO <i>Duty cycle</i>	S1	
FATTORE DI FORMA <i>Form Factor</i>	FF	1
TEMPERATURA AMBIENTE <i>Room temperature</i>	T rif °C	40°
GRADO DI PROTEZIONE <i>Protection</i>	IP	54
INERZIA ROTORE <i>Rotor inertia</i>	Jm Kgcm ²	0.0003

ROK335X

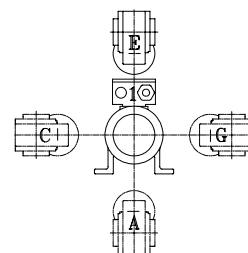
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY****P ***

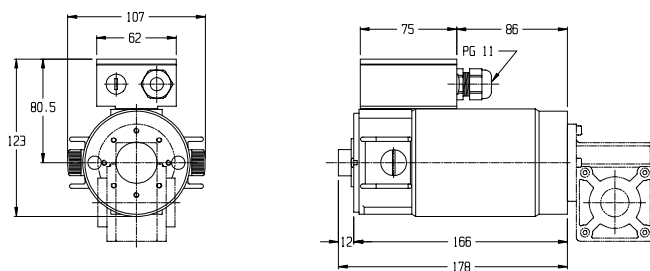
Vista frontale

Front view



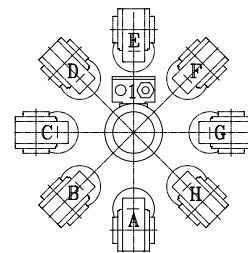
Configurazione

Configuration

B **

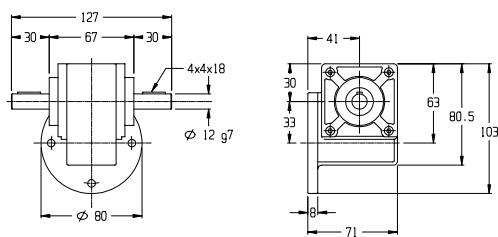
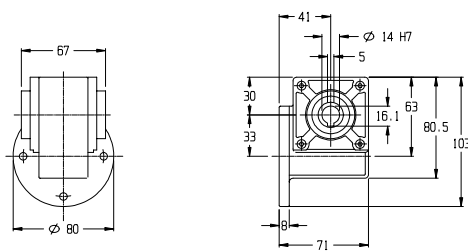
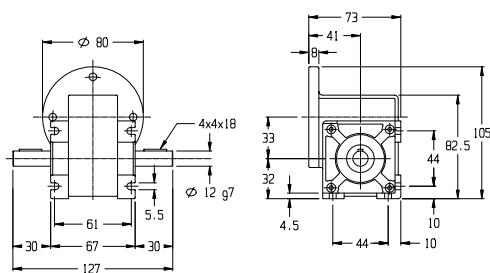
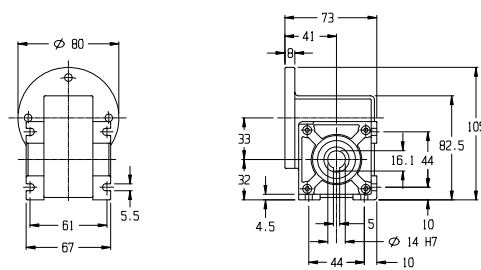
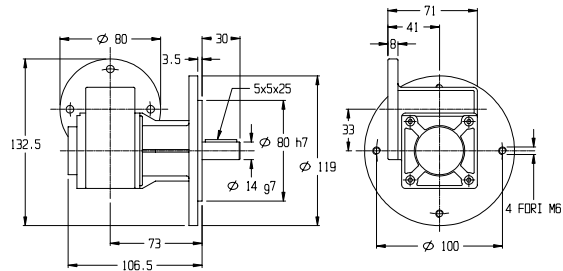
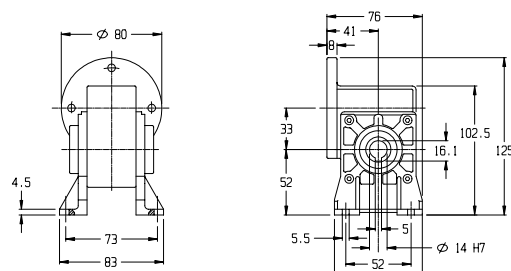
Vista frontale

Front view



Configurazione

Configuration

*** B.B12**STD Config. **E1***** B.K14**STD Config. **E1****** P.B12**STD Config. **A1****** P.K14**STD Config. **A1****** FT3.S14.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720503001AA

ROK 335S

WATT
Motore-motor
200

Nm
Riduttore-gear
13

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 200 W				VELOCITA' - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.64 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	11	15	20	24	30	38	56	75			
VELOCITA' USCITA <i>Output speed</i>	RPM		429	273	200	150	125	100	79	54	40			
COPPIA NOMINALE <i>Rated Torque</i>	Nm		3.2	4.6	5.8	6.9	7.5	8.3	10	10	9			
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	12	13	13	13	13	13	14	10	9			
		(B)	18	20	19.5	19	20	19	20	15	13.5			
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		180	90	60	48	24	(2)						
CORRENTE NOMINALE <i>Rated Current</i>	AMP		1.4	2.95	4.3	5.3	10.7							
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		6.15	1.36	0.92	0.6	0.17							
INDUTT. ARMATURA <i>Armature inductance</i>	mH		20	3.9	2.5	1.5	0.32							
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		54	26	18	15	7							
COST. TEMPO Elett. <i>Elect. time constant</i>	Te ms		3.3	2.9	2.7	2.5	1.9							
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		14	13	19	17	23							
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		30	30	30	30	30							

(2) Altre tensioni a richiesta - other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	140
CARICO ASSIALE Axial Load	N	100
PESO MOTORIDUTTORE Gearmotor weight	Kg	5.4
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

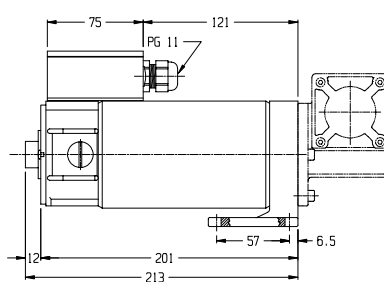
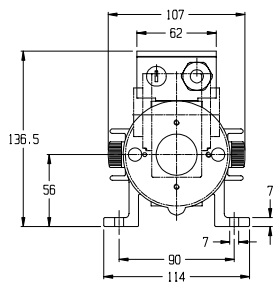
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	FF	1
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.0006

ROK335S

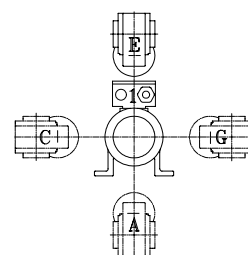
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY**
P *

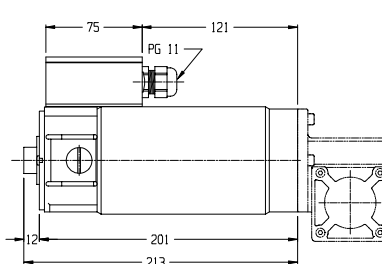
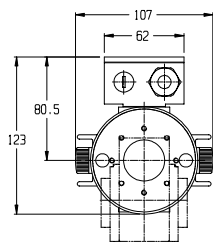
Vista frontale

Front view



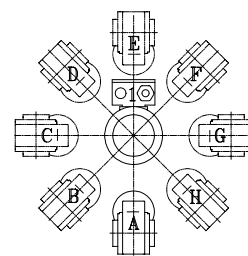
Configurazione

Configuration

B **

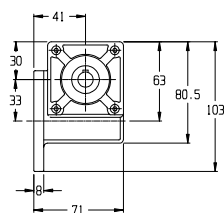
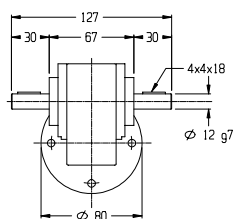
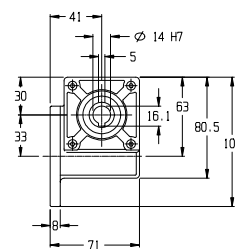
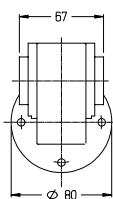
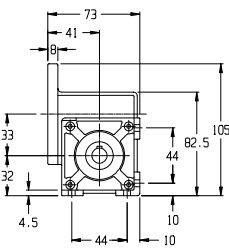
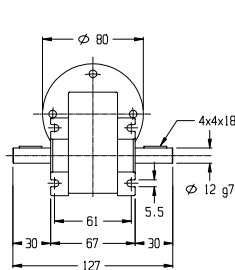
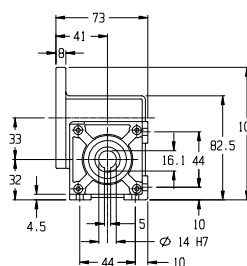
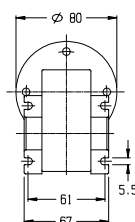
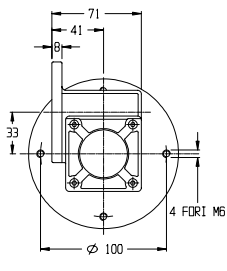
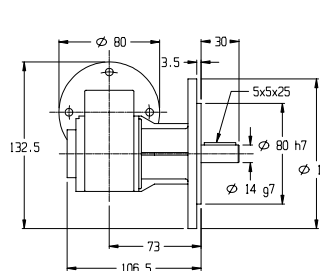
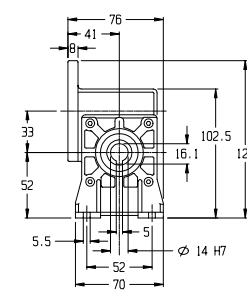
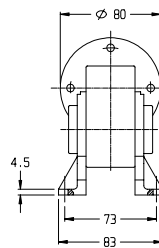
Vista frontale

Front view



Configurazione

Configuration

*** B.B12**STD Config. **E1***** B.K14**STD Config. **E1****** P.B12**STD Config. **A1****** P.K14**STD Config. **A1****** FT3.S14.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720505001AA

SERIE-Series

ROK 335SL

WATT
Motore-motor
300

Nm
Riduttore-gear
13

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>			POTENZA - <i>Power</i> 300 W				VELOCITA' - <i>Speed</i> 3000 RPM				COPPIA - <i>Torque</i> 0.96 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	11	15	20	24	30	38	56	75			
VELOCITA USCITA <i>Output speed</i>	RPM		429	273	200	150	125	100	79	54	40			
COPPIA NOMINALE <i>Rated Torque</i>	Nm		4.8	6.9	8.6	10.4	11.3	12.4	14	10	9			
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A) (B)	12 18	13 20	13 19.5	13 19	13 20	13 19	14 20	10 15	9 13.5			
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT		180	90	60	48	24	(2)						
CORRENTE NOMINALE <i>Rated Current</i>	AMP		2.1	4.2	6.3	7.8	15.6							
RESIST. ARMATURA <i>Armature resistance</i>	Ohm		5.3	1.41	0.67	0.4	0.16							
INDUTT. ARMATURA <i>Armature inductance</i>	mH		18	4.1	2	1.2	0.32							
COST. TENSIONE <i>Voltage constant</i>	Ke V/Krpm		55.5	27	19	15	7.5							
COST. TEMPO ELETT. <i>Elect. time constant</i>	Te ms		3.5	3.13	3	3	2							
COST. TEMPO MECC. <i>Mech. time constant</i>	Tm ms		13	19	14	14	22							
COST. TEMPO TERMICO <i>Thermal time constant</i>	Tt min		35	35	35	35	35							

(2) Altre tensioni a richiesta-other voltages by request (A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
 (B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

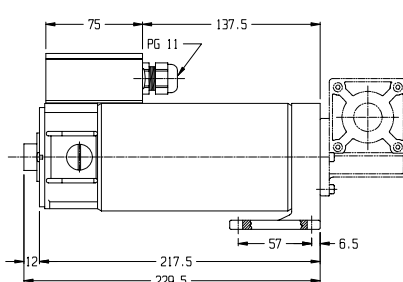
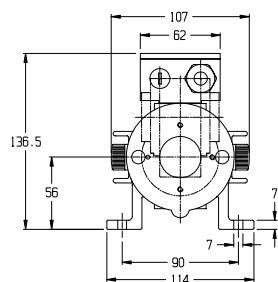
DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	140
CARICO ASSIALE Axial Load	N	100
PESO MOTORIDUTTORE Gearmotor weight	Kg	6
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

DATI ELETTRICI - Winding data

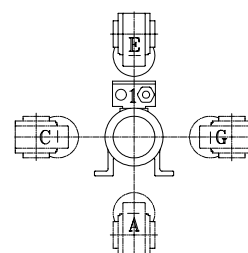
CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	FF	1
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.0007

P *



Vista frontale

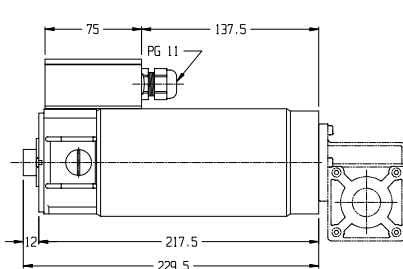
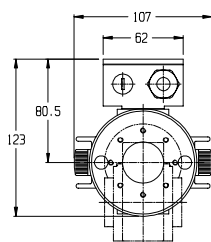
Front view



Configurazione

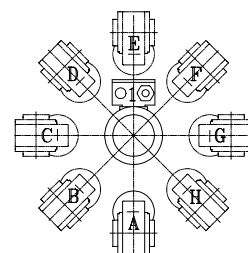
Configuration

B **



Vista frontale

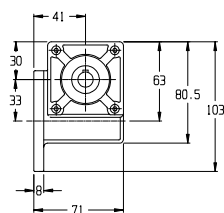
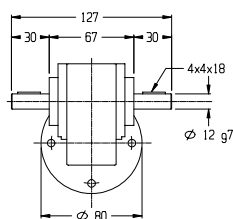
Front view



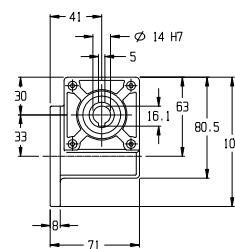
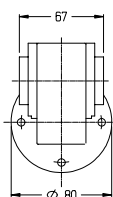
Configurazione

Configuration

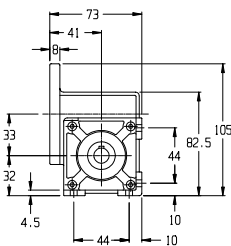
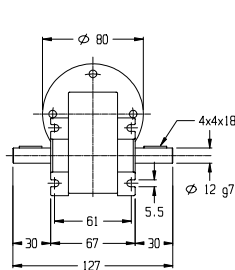
*** B.B12**

STD Config. **E1**

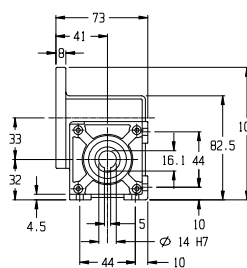
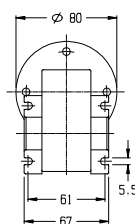
* B.K14

STD Config. **E1**

**** P.B12**

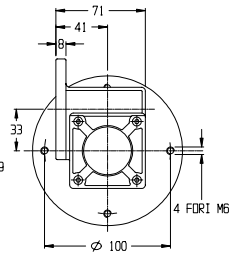
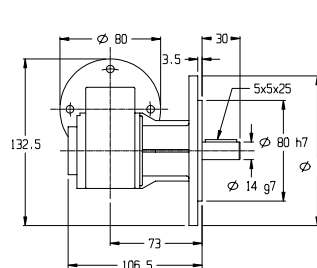
STD Config. **A1**

**** P.K14**

STD Config. **A1**

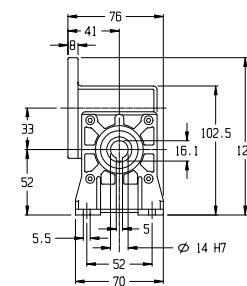
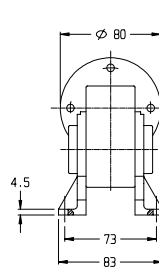
**** FT3.S14.DX**

STD Config. **A1**



**** P1.K14**

STD Config. **A1**



Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

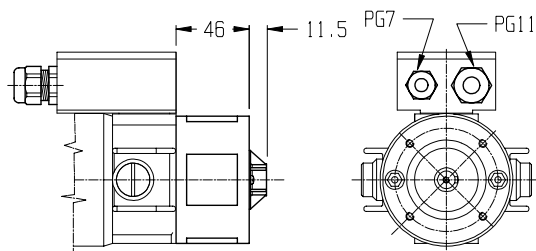
*Fitting motor and gear box marked with the same symbol * / ***

ROK335

OPTIONALS (mm)

**MOTOR
POWER
COMPANY**
**DINAMO
TACHIMETRICA**

01

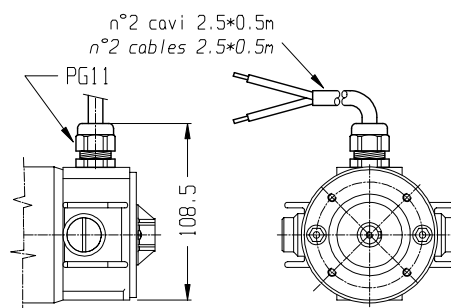
**TACHO
GENERATOR**


• **PREDISPOSTO ENCODER** ENCODER PREARRANGEMENT

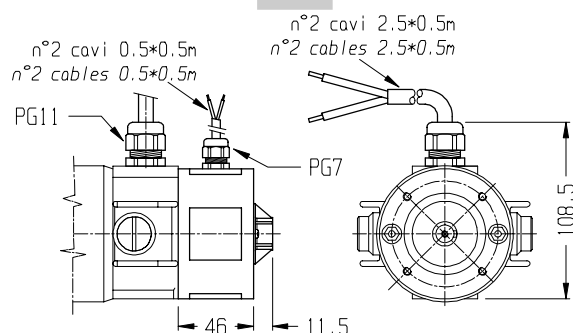
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM	CORRENTE NOMINALE RATED CURRENT	2 mA
VELOCITA' MASSIMA MAX SPEED	9000 RPM	CORRENTE MASSIMA MAX CURRENT	8 mA

CAVO

04

FLYING LEADS

**CAVO + DINAMO
TACHIMETRICA**

05

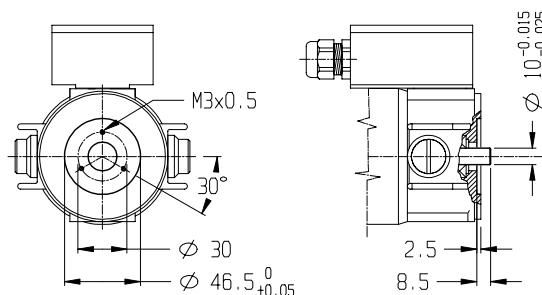
**TACHO GENERATOR
+ FLYING LEADS**


• **PREDISPOSTO ENCODER** ENCODER PREARRANGEMENT

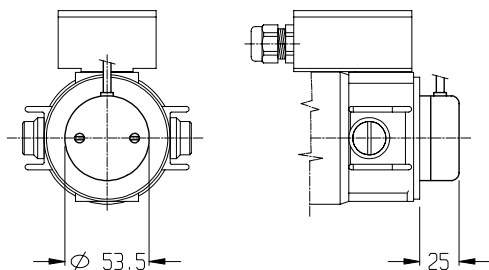
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM	CORRENTE NOMINALE RATED CURRENT	2 mA
VELOCITA' MASSIMA MAX SPEED	9000 RPM	CORRENTE MASSIMA MAX CURRENT	8 mA

**PREDISPOSIZIONE
ENCODER**

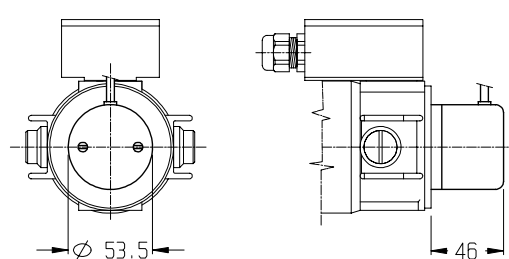
•

**ENCODER
PREARRANGEMENT**

ENCODER EH38

08

ENCODER EH38

ENCODER EH53

09

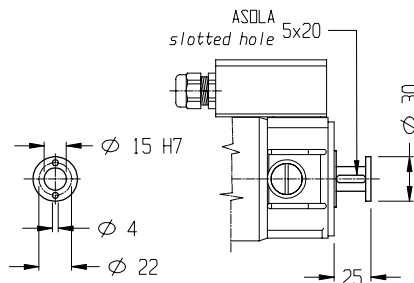
ENCODER EH53


ROK335

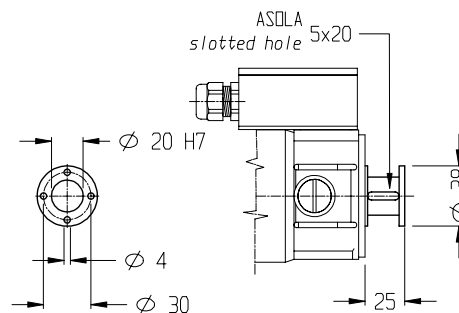
OPTIONALS (mm)

**MOTOR
POWER
COMPANY**
**DISTANZIALE
ENCODER N°1**

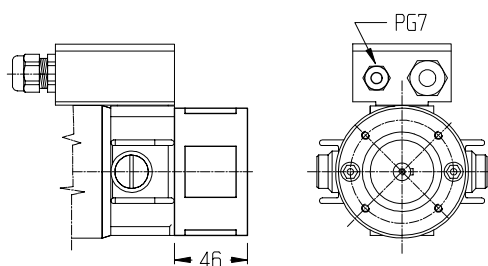
10

**ENCODER
SPACER N°1**

**DISTANZIALE
ENCODER N°2**

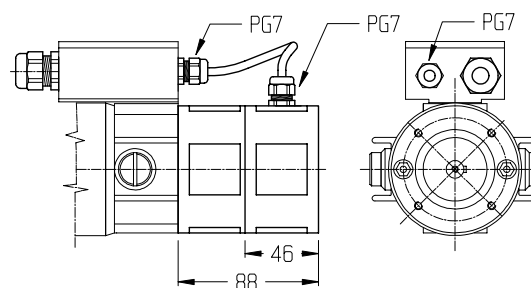
11

**ENCODER
SPACER N°2**

FRENO 1.7 Nm

15

BRAKE 1.7 Nm

**FRENO 1.7 Nm +
DIN. TACHIM.**

16

**TACHO GENERATOR
+ BRAKE 1.7 Nm**


COPPIA STATICA STATIC TORQUE	1.7 Nm	CORRENTE CURRENT	0.46-0.058 A
TENSIONE DI ALIMEN. POWER SUPPLY VOLTAGE	24-190 V.c.c.	POTENZA ASSORBITA INPUT POWER	11 W

FRENO BRAKE	DINAMO T. TACHO G.
COPPIA STATICA STATIC TORQUE	1.7 Nm
TENSIONE DI ALIMEN. POWER SUPPLY VOLTAGE	24-190 V.c.c.
CORRENTE CURRENT	0.46-0.058 A
POTENZA ASSORBITA INPUT POWER	11 W
COSTANTE DI TENSIONE VOLTAGE CONSTANT	10±5% V/KRPM
VELOCITA' MASSIMA MAX SPEED	9000 RPM
CORRENTE NOMINALE RATED CURRENT	2 mA
CORRENTE MASSIMA MAX CURRENT	8 mA

ROK 31.56

TABELLA DI DEFINIZIONE SIGLA DI ORDINE PER MOTORIDUTTORI SERIE ROK 31.56 HOW TO ORDER A ROK 31.56 WORMGEARMOTOR

ROK	31.56	28	220/380	-	B	P.B10	07	A1
SERIE SERIES	TIPO TYPE	VELOCITA' MOTORE MOTOR SPEED	TENSIONE MOTORE MOTOR VOLTAGE	OPZIONI OPTIONS	VERSIONE MOTORE MOTOR VERSION	TIPO DI RIDUTTORE WORMGEAR TYPE	RAPPORTO DI RIDUZIONE RATIO	CONFIGU- RAZIONE CONFIGU- RATION
ROK	31.56	28	220/380		B : Base Basic P : Piedi Foot mounting	B.B10 B.K14 P.B10 P.K14 FT1.S12.DX P1.K14	07 10 12 15 18 24 30 38 55 75 100	A1 B1 C1 D1 E1 F1 G1 H1

SERIE-Series

ROK 31.56

WATT
Motore-motor
130

Nm
Riduttore-gear
10

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>		POTENZA - <i>Power</i> 130W					VELOCITA - <i>Speed</i> 2800 RPM				COPPIA - <i>Torque</i> 0.45 Nm			
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	10	12	15	18	24	30	38	55	75	100*	
VELOCITA USCITA <i>Output speed</i>	RPM		400	280	233	186	155	116	93	73	50	37	28	
COPPIA NOMINALE <i>Rated Torque</i>	Nm		2.34	3	3.75	4.6	5.35	5.16	6.38	7.9	10.4	7.3	7.4	
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	9.7	9.5	12.1	10.7	10.3	9.2	10.3	11.4	10.4	7.3	7.4	
		(B)	14.5	14.2	18	16	15.5	13.8	15.4	17.1	15.6	12	12	
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT ac	3 x 220 / 380 Vac – 50 Hz												
CORRENTE NOMINALE <i>Rated Current</i>	AMP ac	1.06 / 0.6												

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(A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
(B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE Radial Load	N	120
CARICO ASSIALE Axial Load	N	80
PESO MOTORIDUTTORE Gearmotor weight	Kg	4
LUBRIFICAZIONE Lubrication	GRASSO Long life grease	
CORONA Worm	BRONZO Bronze	
VITE Screw	ACCIAIO Steel	

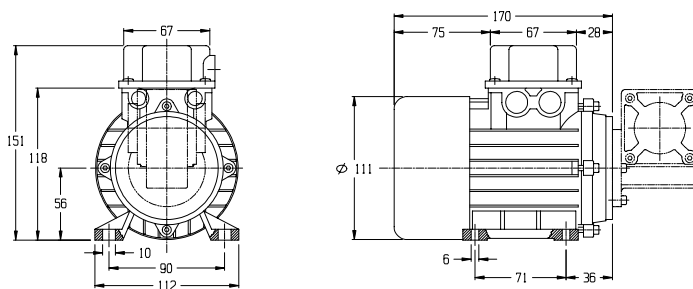
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO Insulation class		F
FATTORE DI SERVIZIO Duty cycle		S1
FATTORE DI FORMA Form Factor	Cos φ	0.71
TEMPERATURA AMBIENTE Room temperature	T rif °C	40°
GRADO DI PROTEZIONE Protection	IP	54
INERZIA ROTORE Rotor inertia	Jm Kgcm ²	0.00012

ROK31.56

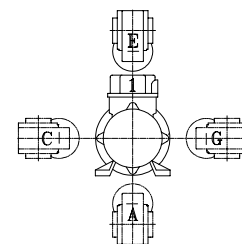
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY**
P *

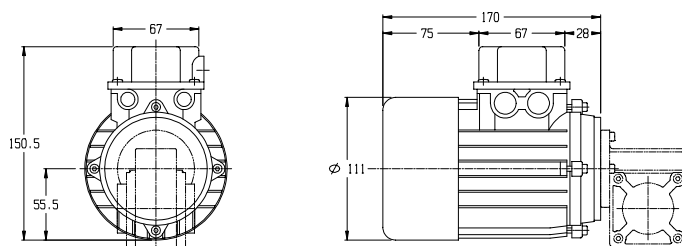
Vista frontale

Front view



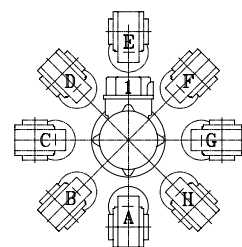
Configurazione

Configuration

B **

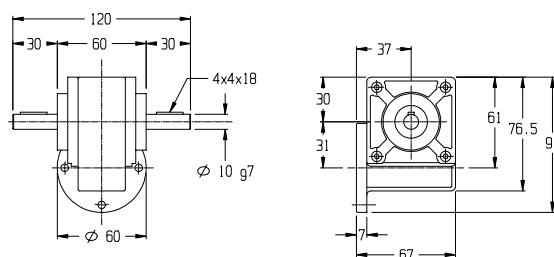
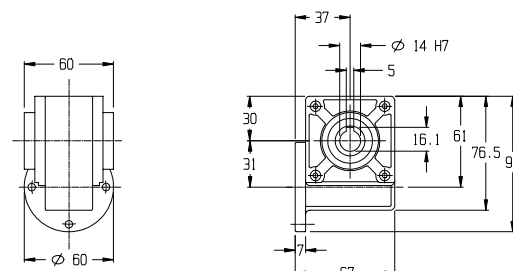
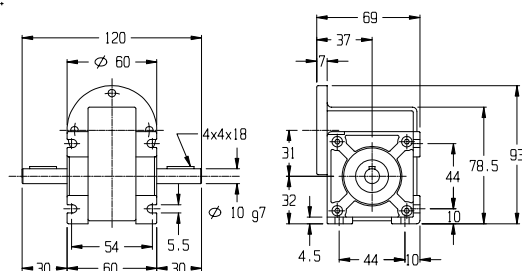
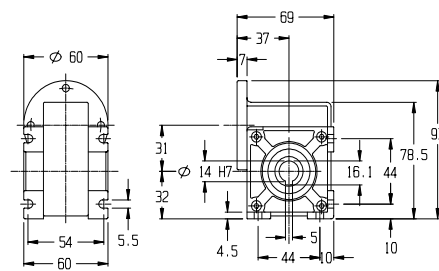
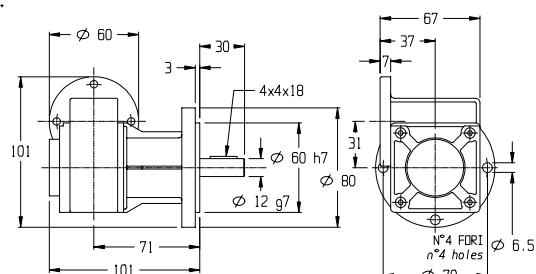
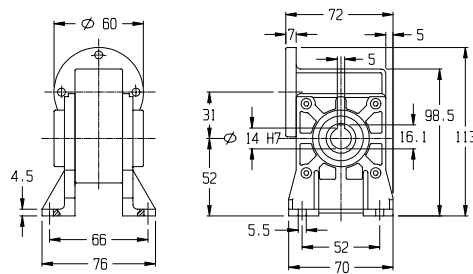
Vista frontale

Front view



Configurazione

Configuration

*** B.B10**STD Config. **E1***** B.K14**STD Config. **E1****** P.B10**STD Config. **A1****** P.K14**STD Config. **A1****** FT1.S12.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720700001AA

ROK 33.63

TABELLA DI DEFINIZIONE SIGLA DI ORDINE PER MOTORIDUTTORI SERIE ROK 33.63 HOW TO ORDER A ROK 33.63 WORMGEARMOTOR

ROK	33.63	28	220/380	-	B	P.B10	07	A1
SERIE SERIES	TIPO TYPE	VELOCITA' MOTORE MOTOR SPEED	TENSIONE MOTORE MOTOR VOLTAGE	OPZIONI OPTIONS	VERSIONE MOTORE MOTOR VERSION	TIPO DI RIDUTTORE WORMGEAR TYPE	RAPPORTO DI RIDUZIONE RATIO	CONFIGU- RAZIONE CONFIGU- RATION
ROK	33.63	28	220/380		B : Base Basic P : Piedi Foot mounting	B.B12 B.K14 P.B12 P.K14 FT3.S14.DX P1.K14	07 11 15 20 24 30 38 56 75	A1 B1 C1 D1 E1 F1 G1 H1

SERIE-Series

ROK 33.63

WATT
Motore-motor
250

Nm
Riduttore-gear
13

CARATTERISTICHE GENERALI - Performance characteristics

MOTORE <i>Motor</i>		POTENZA - <i>Power</i> 250W				VELOCITA' - <i>Speed</i> 2800 RPM				COPPIA - <i>Torque</i> 0.85 Nm				
RAPPORTO RIDUZIONE <i>Ratio</i>	I :		7	11	15	20	24	30	38	56	75			
VELOCITA' USCITA <i>Output speed</i>	RPM		400	254	186	140	116	93	73	50	37			
COPPIA NOMINALE <i>Rated Torque</i>	Nm		4.3	6.1	7.6	10.4	11.3	11.4	14	10	9			
COPPIA MASSIMA <i>Max. Torque</i>	Nm-max.	(A)	12	13	13	13	13	13	14	10	9			
		(B)	18	20	19.5	19	20	19	20	15	13.3			
TENSIONE NOMINALE <i>Rated Voltage</i>	VOLT ac	3 x 220 / 380 Vac – 50 Hz												
CORRENTE NOMINALE <i>Rated Current</i>	AMP ac	1.7 / 0.9												

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(A) Coppia massima riduttore continuativa (A) Max. gear continuous torque
 (B) Massima coppia impulsiva riduttore (B) Max. gear pulse torque

DATI MECCANICI - Mechanical data

CARICO RADIALE <i>Radial Load</i>	N	140
CARICO ASSIALE <i>Axial Load</i>	N	100
PESO MOTORIDUTTORE <i>Gearmotor weight</i>	Kg	5
LUBRIFICAZIONE <i>Lubrication</i>	GRASSO Long life grease	
CORONA <i>Worm</i>	BRONZO Bronze	
VITE <i>Screw</i>	ACCIAIO Steel	

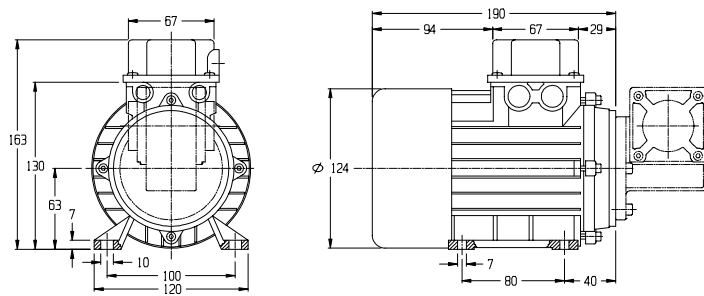
DATI ELETTRICI - Winding data

CLASSE ISOLAMENTO <i>Insulation class</i>		F
FATTORE DI SERVIZIO <i>Duty cycle</i>		S1
FATTORE DI FORMA <i>Form Factor</i>	Cos φ	0.69
TEMPERATURA AMBIENTE <i>Room temperature</i>	T rif °C	40°
GRADO DI PROTEZIONE <i>Protection</i>	IP	54
INERZIA ROTORE <i>Rotor inertia</i>	Jm Kgcm ²	0.00016

ROK33.63

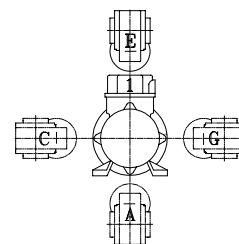
DIMENSIONI (mm)

DIMENSIONS (mm)

**MOTOR
POWER
COMPANY****P ***

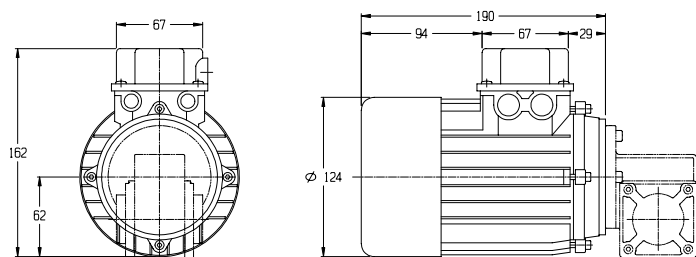
Vista frontale

Front view



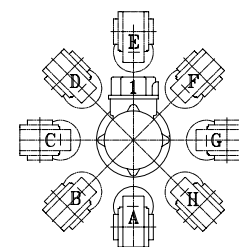
Configurazione

Configuration

B **

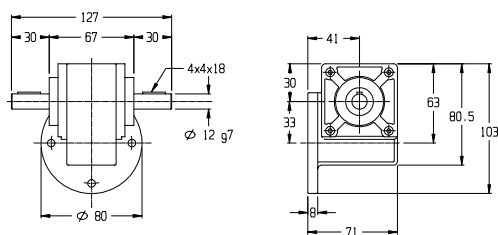
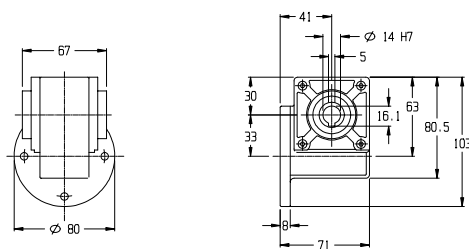
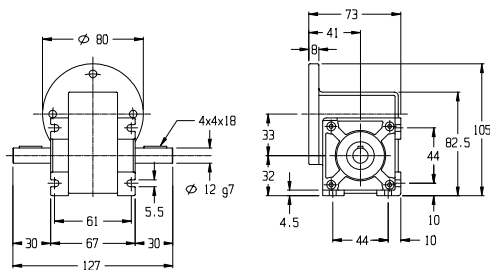
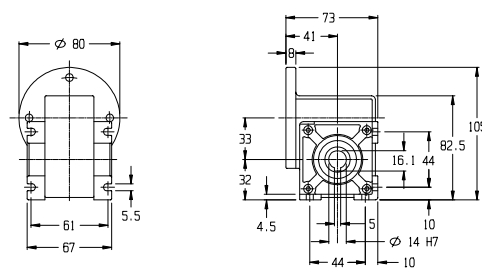
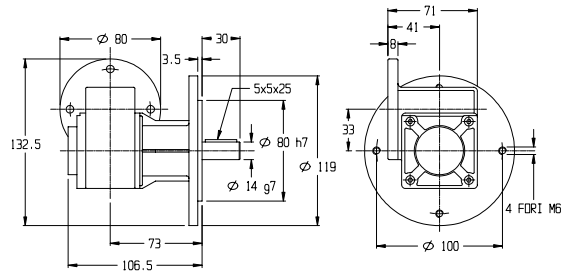
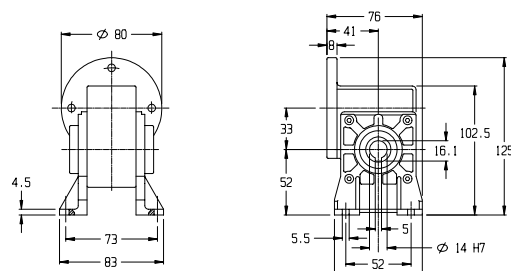
Vista frontale

Front view



Configurazione

Configuration

*** B.B12**STD Config. **E1***** B.K14**STD Config. **E1****** P.B12**STD Config. **A1****** P.K14**STD Config. **A1****** FT3.S14.DX**STD Config. **A1****** P1.K14**STD Config. **A1**

Accoppiare motore e riduttore contrassegnati dallo stesso segno * / **

Fitting motor and gear box marked with the same symbol * / **

Tolleranza dati +/-5% - Data tolerance +/-5%

DATA SHEET N° 720900001AA