TRANSTECNO®
the modular gearmotor

PU

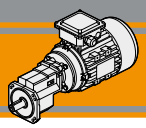
PU

PU Alù

Motoriduttori ad ingranaggi cilindrici monostadio
Single stage helical gearmotors



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ENERGY SAVING

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Caratteristiche tecniche

I motoriduttori monostadio ad ingranaggi cilindrici della serie PU hanno le seguenti caratteristiche principali:

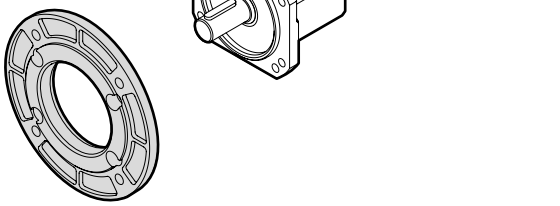
- Carcassa, flangia entrata e flangia uscita in pressofusione di alluminio;
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati;
- Lubrificazione permanente con olio sintetico.

Technical features

PU single stage helical gearmotor range has the following main features:

- *Die-cast aluminium housings, input and output flanges;*
- *Ground-hardened helical gears;*
- *Permanent synthetic oil long-life lubrication.*

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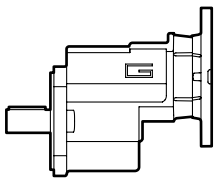


Designazione

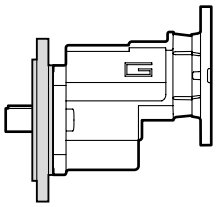
Classification

RIDUTTORE / *GEARBOX*						
PU	**01**	**FT1**	**5.70**	**71**	**B5**	**O3**
Tipo *Type*	Grandezza *Size*	Versione *Version*	Rapporto *Ratio*	IEC	Forma costruttiva *Version*	Diam. Albero uscita *Output shaft diam.*
PU 	**01**	**U** **FT1** **FT2** **FT3**	**5.70** **8.57**	**63** **71** **80**	**B5** **B14**	

MOTORE / *MOTOR*					
0.25kW	**4p**	**3ph**	**230/400V**	**50Hz**	**T1**
Potenza *Power*	Poli *Poles*	Fasi *Phases*	Tensione *Voltage*	Frequenza *Frequency*	Pos. morsettiera *Terminal box pos.*
Vedi tabelle *See tables*	**2p** **4p** **6p** **8p**	**1ph** **3ph**	**230V** **230/400V**	**50Hz** **60Hz**	**T1** (Std) **T4** **T2** **T3**



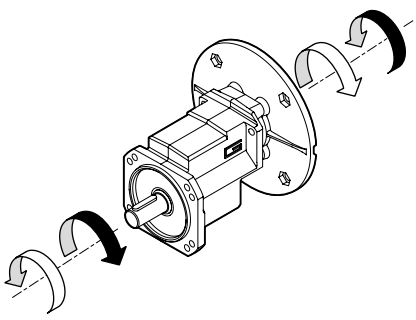
U



FT..

Sensi di rotazione

Direction of rotation

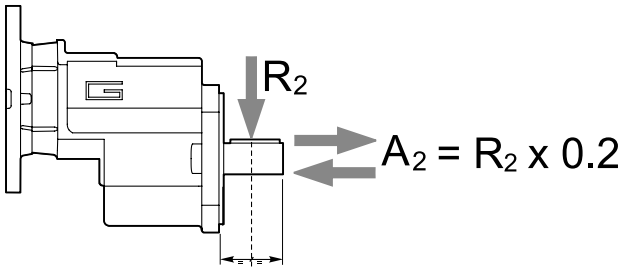


Lubrificazione / *Lubrication*

Tutti i motoriduttori della serie PU sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use PU range in all mounting positions.

Carichi radiali / *Radial loads*



n_2 [min^{-1}]	R_2 [N]
	PU 01
500	643
400	693
300	763
250	810
200	873
150	961
100	1100

Simbologia / *Symbols*

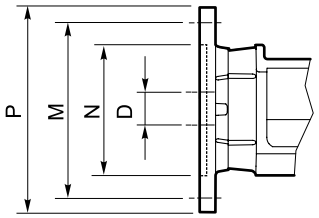
n_1	[min^{-1}]	Velocità in ingresso / *Input speed*
n_2	[min^{-1}]	Velocità in uscita / *Output speed*
i		Rapporto di riduzione / *Ratio*
P_1	[kW]	Potenza in entrata / *Input power*
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / *Output torque referred to P_1*
sf		Fattore di servizio / *Service factor*
R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
A_2	[N]	Carico assiale ammissibile in uscita / *Permitted output axial load*

Dati tecnici / *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.18						
63A4 (1400 min^{-1})	**246**	6.7	7.5	5.70	**PU01**	**B5/B14**
	163	10.0	5.0	8.57	**PU01**	**B5/B14**
0.22						
63B4 (1400 min^{-1})	**246**	8.2	6.1	5.70	**PU01**	**B5/B14**
	163	12.3	4.1	8.57	**PU01**	**B5/B14**
0.25						
71A4 (1400 min^{-1})	**246**	9.4	5.3	5.70	**PU01**	**B5/B14**
	163	14	2.8	8.57	**PU01**	**B5/B14**
0.37						
71B4 (1400 min^{-1})	**246**	14	3.6	5.70	**PU01**	**B5/B14**
	163	21	1.9	8.57	**PU01**	**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
71C4 (1400 min^{-1})	**246**	21	2.4	5.70	**PU01**	**B5/B14**
	163	31	1.3	8.57	**PU01**	**B5/B14**
80A4 (1400 min^{-1})	**246**	21	2.4	5.70	**PU01**	**B5/B14**
	163	31	1.3	8.57	**PU01**	**B5/B14**
0.75						
80B4 (1400 min^{-1})	**246**	28	2.4	5.70	**PU01**	**B5/B14**
	163	42	0.9	8.57	**PU01**	**B5/B14**
1.1						
80B4 (1400 min^{-1})	**246**	41	1.2	5.7	**PU01**	**B5/B14**

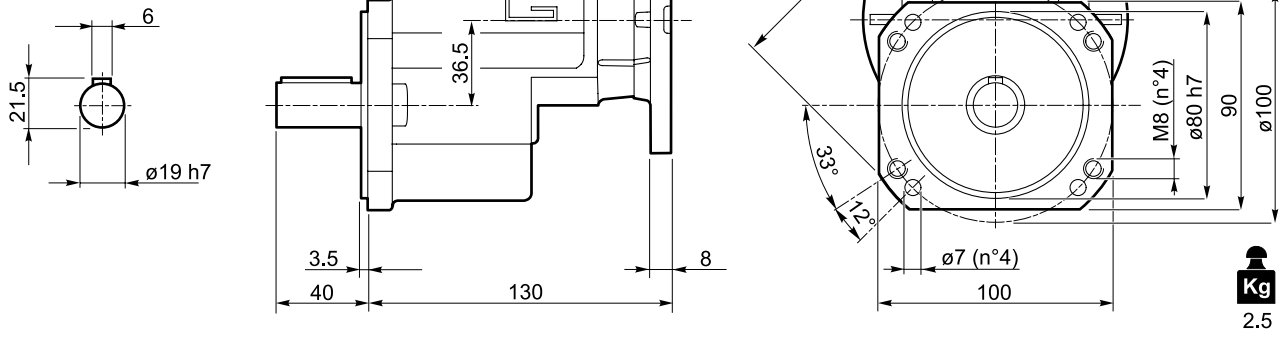
Motori applicabili — *IEC Motor adapters*



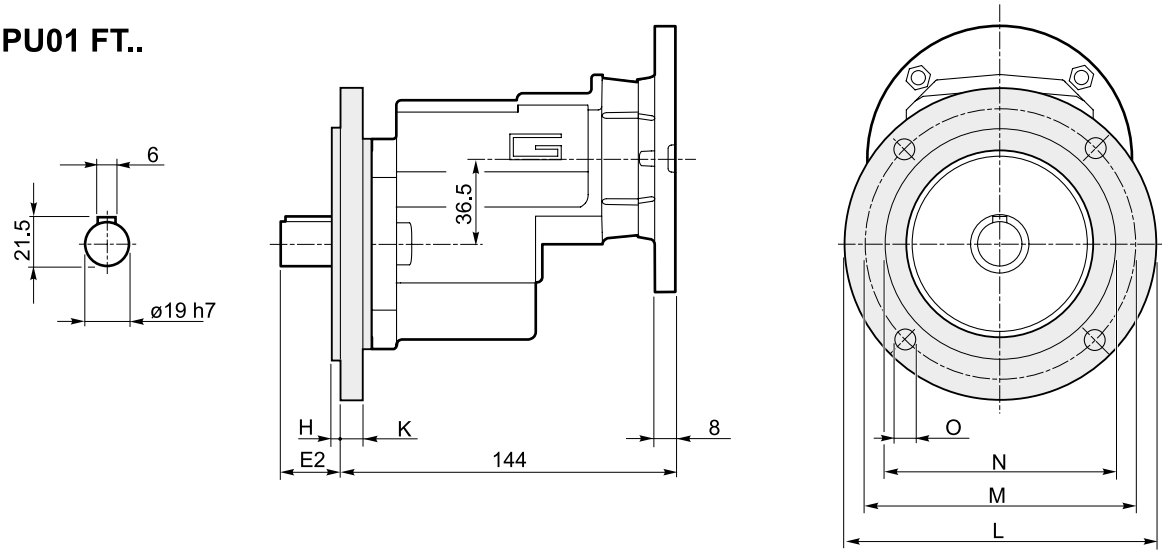
	IEC	N	M	P	D	i (rapporto / *ratio*)	
						5.70	8.57
PU01	80 B5	130	165	200	19		
	80 B14	80	100	120			
	71 B5	110	130	160	14	B	
	71 B14	70	85	105			
	63 B5	95	115	140	11	BS	
	63 B14	60	75	90			

Dimensioni — *Dimensions*

PU01 U



PU01 FT..



		Versione / *Version*							
		E_2	H	K	L	M	N f7	O	Peso / *Weight* [kg]
PU01	FT1	26	3	10	140	115	95	M8	0.3
	FT2	26	3.5	10	160	130	110	9	0.4
	FT3	26	3.5	10	200	165	130	11	0.5

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the modular gearmotor

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