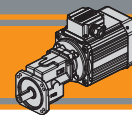




Motoriduttori ad ingranaggi cilindrici monostadio  
**Single stage helical gearmotors**







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### Caratteristiche tecniche

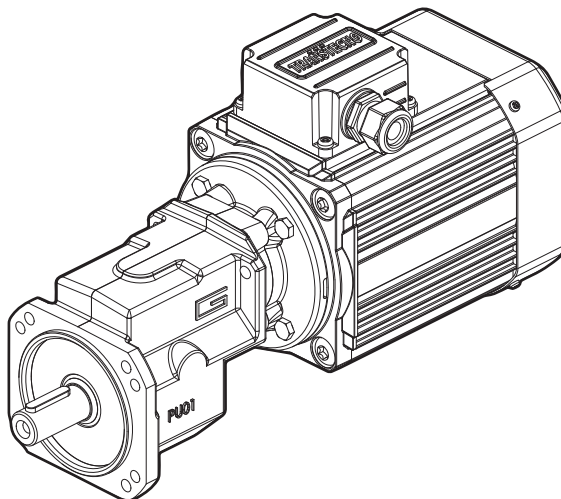
### Technical features

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

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



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

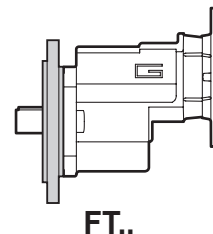
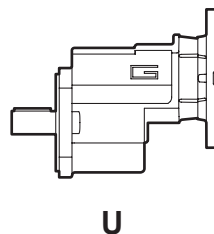
- Die-cast aluminium housings, input and output flanges;
- Ground-hardened helical gears;
- Permanent synthetic oil long-life lubrication.





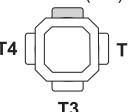





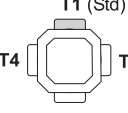
### Designazione

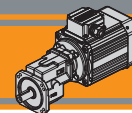
### Classification

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.
	01	U FT1 FT2 FT3	5.70 8.57	 63 71 80	B5 B14	



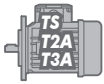

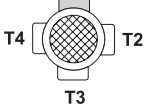
MOTORE TRIFASE / THREE PHASE MOTOR											
SMT	63	2	4	0.18 kW	IE2	B14	230-400 V	50 Hz	TEFC	BR	T1
Tipo Type	Grandezza Size	Indicativo potenza Power coefficient	Poli Poles	Potenza Power	Efficienza Efficiency level	Forma costruttiva Version	Tensione Voltage	Frequenza Frequency	Ventilazione Fan cooling	Opzioni Options	Pos. Morsetti Terminal box pos.
		1-2-3-4-5	4	0.04 kW ... 2.2 kW		B14	230-400 V  460V	50Hz  60Hz	TEFC  TENV		T1 (Std)  T4 T2 T3

MOTORE MONOFASE / SINGLE PHASE MOTOR											
SMM	63	2	4	0.18 kW	B14	230 V	50 Hz	TEFC	UL-CSA	T1	
Tipo Type	Grandezza Size	Indicativo potenza Power coefficient	Poli Poles	Potenza Power	Forma costruttiva Version	Tensione Voltage	Frequenza Frequency	Ventilazione Fan cooling	Opzioni Options	Pos. Morsetti Terminal box pos.	
		1-2-3-4	4	0.04 kW ... 0.75 kW	B14	230V	50Hz	TEFC  TENV		T1 (Std)  T4 T2 T3	



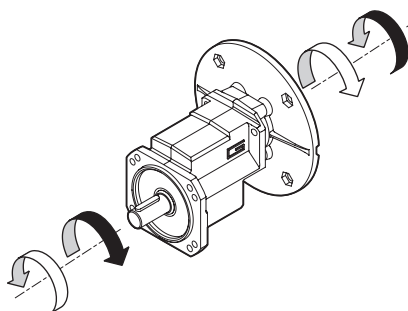
Designazione

Classification

MOTORE TRIFASE / THREE PHASE MOTOR										
T	2A	63	2	4	0.18 kW	B5	PTO	230-400 V	50 Hz	T1
Tipo Type	Efficienza Efficiency level	Grandezza Size	Indicativo potenza Power coefficient	Poli Poles	Potenza Power	Forma costruttiva Version	Protezione termica Thermal protector	Tensione Voltage	Frequenza Frequency	Pos. Morsettiera Terminal box pos.
 T	S (IE1) 2A (IE2) 3A (IE3)	 T1 pag.	1-2-3-S L1-L2 M1-M2	2 4 6	0.09 kW ... 2.2 kW	B5 B14 B3	Null PTO	230-400 V 275-480 V 400-690 V	50Hz 60Hz 50Hz	T1 (Std)  T4 T2 T3

Sensi di rotazione

Direction of rotation



Lubrificazione

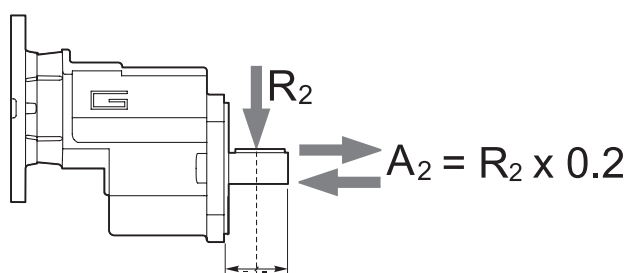
Lubrication

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 <sub>2</sub> [min <sup>-1</sup> ]	R <sub>2</sub> [N]
	PU 01
500	643
400	693
300	763
250	810
200	873
150	961
100	1100

Simbologia

Symbols

- n<sub>1</sub> [min<sup>-1</sup>] Velocità in ingresso / Input speed
- n<sub>2</sub> [min<sup>-1</sup>] Velocità in uscita / Output speed
- i Rapporto di riduzione / Ratio
- P<sub>1</sub> [kW] Potenza in entrata / Input power
- M<sub>2</sub> [Nm] Coppia nominale in uscita in funzione di P<sub>1</sub> / Output torque referred to P<sub>1</sub>
- sf Fattore di servizio / Service factor
- R<sub>2</sub> [N] Carico radiale ammissibile in uscita / Permitted output radial load
- A<sub>2</sub> [N] Carico assiale ammissibile in uscita / Permitted output axial load
-  [kg] Peso del solo riduttore / Weight of the gearbox only





# Motoriduttori ad ingranaggi cilindrici monostadio

## Single stage helical gearmotors

### Dati tecnici

### Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i	
------------------------	--	------------------------	----	---	---

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i	
------------------------	--	------------------------	----	---	---

#### 0.12

TS6314 (1400 min <sup>-1</sup> )	<b>246</b>	4.5	11.0	5.70	<b>PU01</b>
	<b>163</b>	6.8	5.9	8.57	

#### 0.55

SMT7134	<b>246</b>	21	2.4	5.70	<b>PU01</b>
SMT7134IE2	<b>163</b>	31	1.3	8.57	<b>PU01</b>
SMM7134 (1400 min <sup>-1</sup> )					



TS7134  
TS8014  
T2A7134  
T2A8014  
(1400 min<sup>-1</sup>)

#### 0.18

SMT6324	<b>246</b>	6.7	7.4	5.70	<b>PU01</b>
SMT6324IE2	<b>163</b>	10	3.9	8.57	<b>PU01</b>
SMM6324 (1400 min <sup>-1</sup> )					



TS6324  
T2A6324  
(1400 min<sup>-1</sup>)

#### 0.25

SMT6334	<b>246</b>	9.4	5.3	5.70	<b>PU01</b>
SMT6334IE2	<b>163</b>	14	2.8	8.57	<b>PU01</b>
SMM6334 (1400 min <sup>-1</sup> )					



TS6334  
TS7114  
T2A6334  
(1400 min<sup>-1</sup>)

#### 0.75

SMT7144	<b>246</b>	28	1.8	5.70	<b>PU01</b>
SMT8024 IE3	<b>163</b>	42	0.9	8.57	<b>PU01</b>
SMM8024 (1400 min <sup>-1</sup> )					



TS7144  
TS8024  
T3A8024  
(1400 min<sup>-1</sup>)

#### 1.1

SMT8034 IE3 (1400 min <sup>-1</sup> )	<b>246</b>	41	1.2	5.70	<b>PU01</b>
--	------------	----	-----	------	-------------



TS8034  
T3A8034  
(1400 min<sup>-1</sup>)

#### 0.37

SMT6344	<b>246</b>	14	3.6	5.70	<b>PU01</b>
SMT7124	<b>163</b>	21	1.9	8.57	<b>PU01</b>
SMT7124IE2					
SMM7124 (1400 min <sup>-1</sup> )					

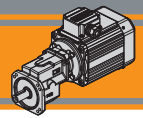


TS7124  
T2A7124  
(1400 min<sup>-1</sup>)

Motori Motors	SMT			SMM		
	6324 6324IE2 6334 6334IE2 6344	7124 7124IE2 7134 7134IE2 7144	8024 8034	6324 6334	7124 7134	8024
IEC	63 B14	71 B14	80 B14	63 B14	71 B14	80 B14



Motori Motors	TS			T2A		T3A
	6314 6324 6334	7114 7124 7134	8014	6324 6334	7124 7134	8014
IEC	63 B5/B14	71 B5/B14	80 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14

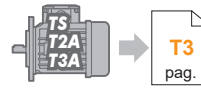


**Dati tecnici elettrici**

**Electrical technical data**

Si prega di consultare il paragrafo dedicato:

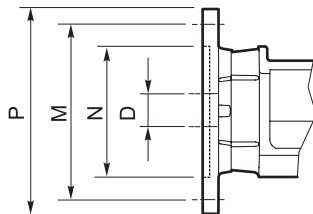
Please see the dedicated paragraph:



**Motori applicabili**

**IEC Motor adapters**

PU	SMT			SMM			TS			T2A			T3A
		6324 6334 6344	7124 7134 7144	8024 8034	6324 6334	7124 7134	8024	6314 6324 6334	7114 7124 7134 7144	8024 8034	6324 6334	7124 7134	8014
01													

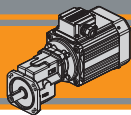


IEC	N	M	P	D	i (rapporto / ratio)		
					5.70	8.57	
PU01	80 B5	130	165	200	19	B	
	80 B14	80	100	120			
	71 B5	110	130	160	14		
	71 B14	70	85	105			
	63 B5	95	115	140	11		BS
	63 B14	60	75	90			

B/BS = Boccia di riduzione in acciaio

B/BS = Metal shaft sleeve

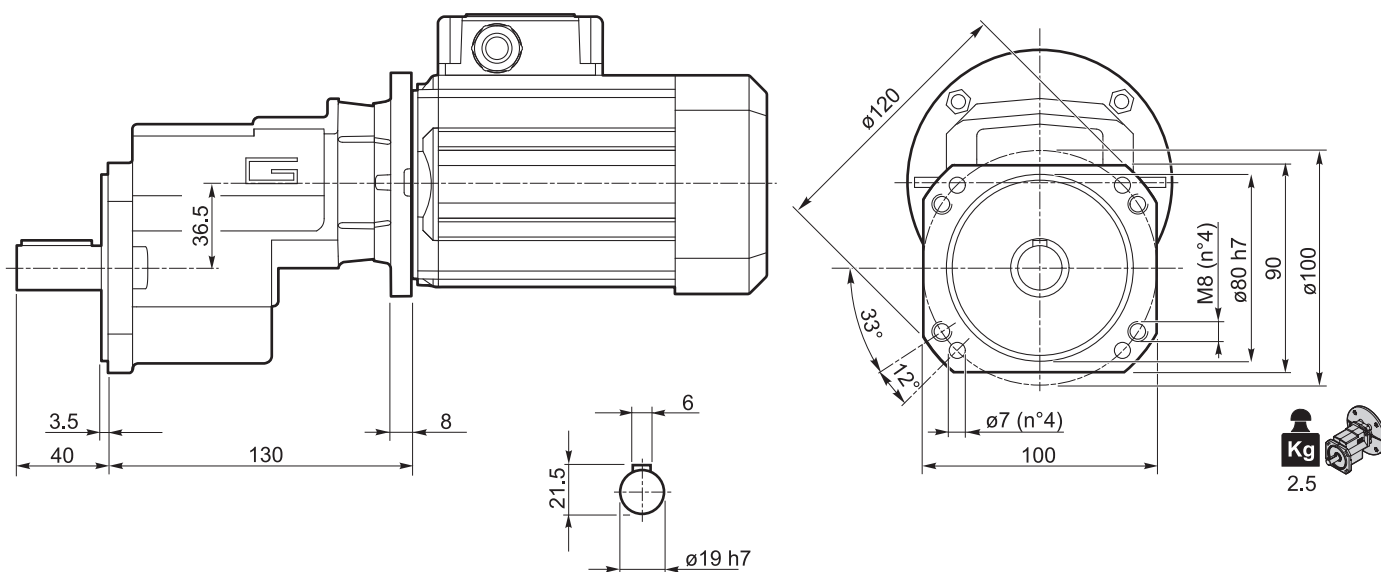
PU



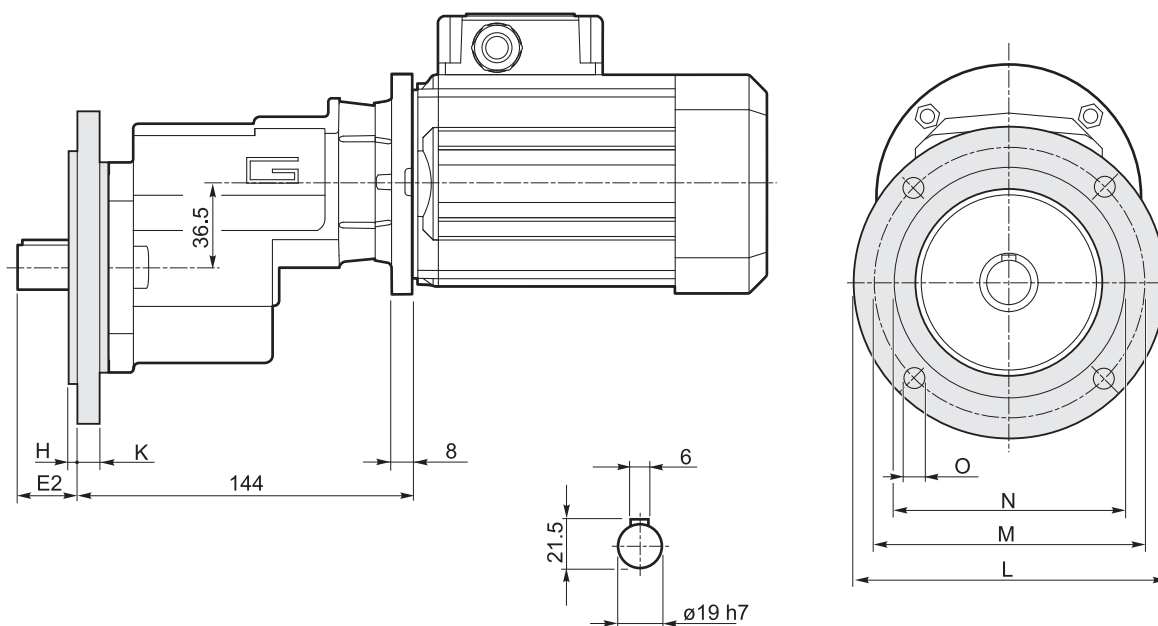
**Dimensioni**

**Dimensions**

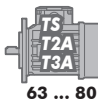
**PU01 U**



**PU01 FT..**



		Versione / Version							
		E <sub>2</sub>	H	K	L	M	N f7	O	Peso / Weight [kg]
<b>PU01</b>	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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