

## Serie 30 P

### 30 P Series

#### CARATTERISTICHE GENERALI - General Characteristics

Tipo Type		30PS	30PC		30PM				30PL		
Tensione Nominale Rated Voltage	V	24	24		24		48		24		42
Velocità Nominale Rated Speed	Rpm	2750	2700	1500	3000	1950	2900	1700	2600	1700	2500
Potenza Nominale Rated Power	W	27	34	22	66	45	67	45	87	57	89
Codice di Avvolgimento Winding Code		039	008	009	010	068	038	069	011	086	082

#### CARATTERISTICHE TECNICHE - Technical Characteristics

Coppia Continuativa di Stallo Continuous Stall Current	Nm	0,13	0,17	0,19	0,3	0,27	0,3	0,39	0,43	0,46	0,49
Corrente Continuativa di Stallo Continuous Stall Torque	A	2,5	3,1	2,1	5,2	3,4	2,5	2,1	6,3	4,7	4,1
Coppia Nominale Rated Torque	Nm	0,095	0,12	0,14	0,21	0,22	0,22	0,25	0,32	0,32	0,34
Corrente Nominale Rated Current	A	1,8	2,4	1,5	4,1	2,9	2	1,4	5	3,6	2,8
Coppia di Picco allo Spunto Start Peak Torque	Nm	0,27	0,44	0,32	1,05	0,65	1,2	0,8	1,45	1,15	1,85
Corrente di Picco Start Peak Torque	A	5,3	8	3,5	18,5	8,1	10	4,4	21	12	15,5
Resistenza Totale Total Resistance	$\Omega$	3,38	2,23	5,07	0,97	2,2	3,25	8,1	0,85	1,51	2
Induttanza Inductance	mH	3,76	3,01	8,19	1,45	3,4	6,36	16,2	1	2,25	3,7
Costante di Coppia Torque Constant	Nm/A	0,052	0,054	0,090	0,057	0,080	0,12	0,186	0,068	0,097	0,119
Costante di Tensione Voltage Constant	V/10 <sup>3</sup> Rpm	6,65	6,95	11	6,65	9,75	13,5	21,5	7,7	12	13,5
Costante di Tempo Elettrica Electrical Time Constant	ms	1,1	1,3	1,6	1,5	1,5	1,9	2	1,2	1,5	1,8

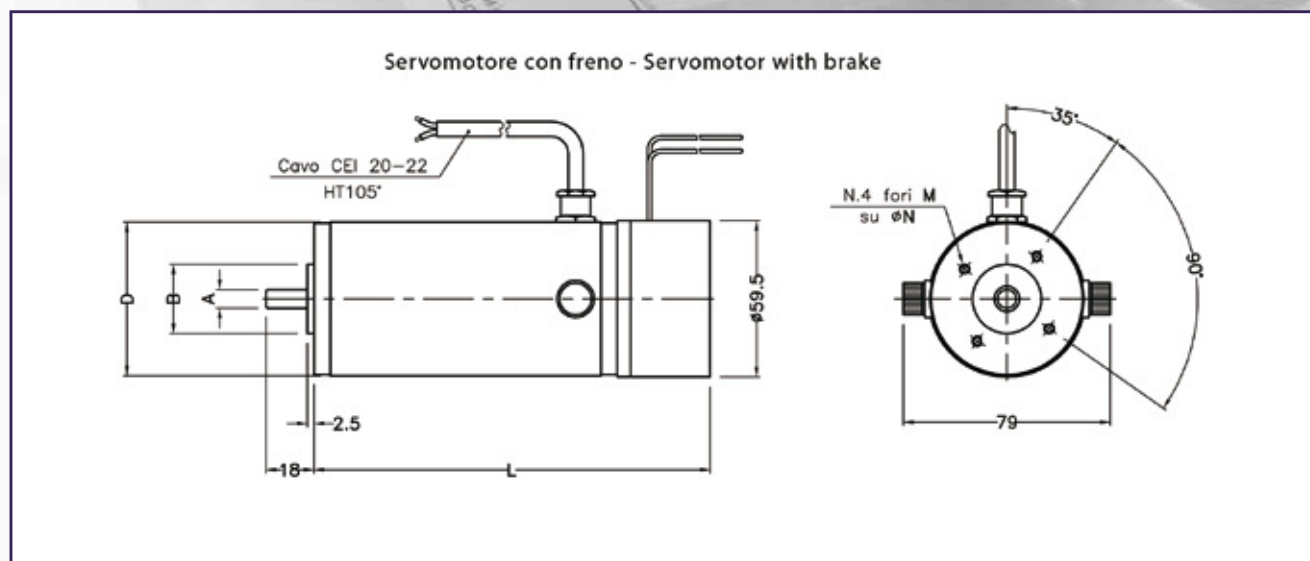
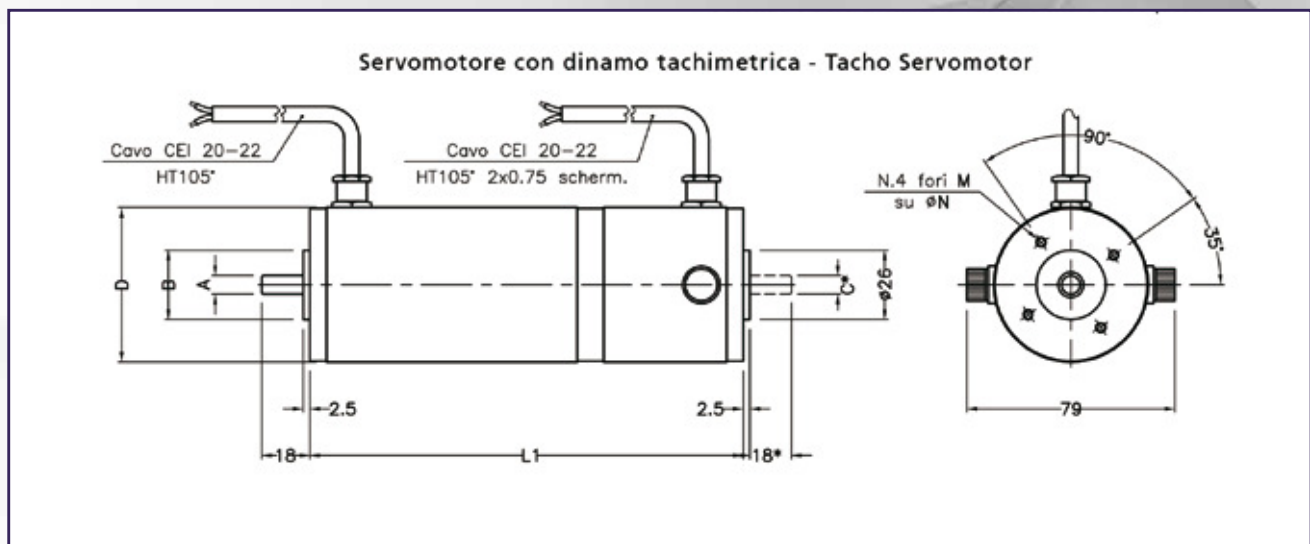
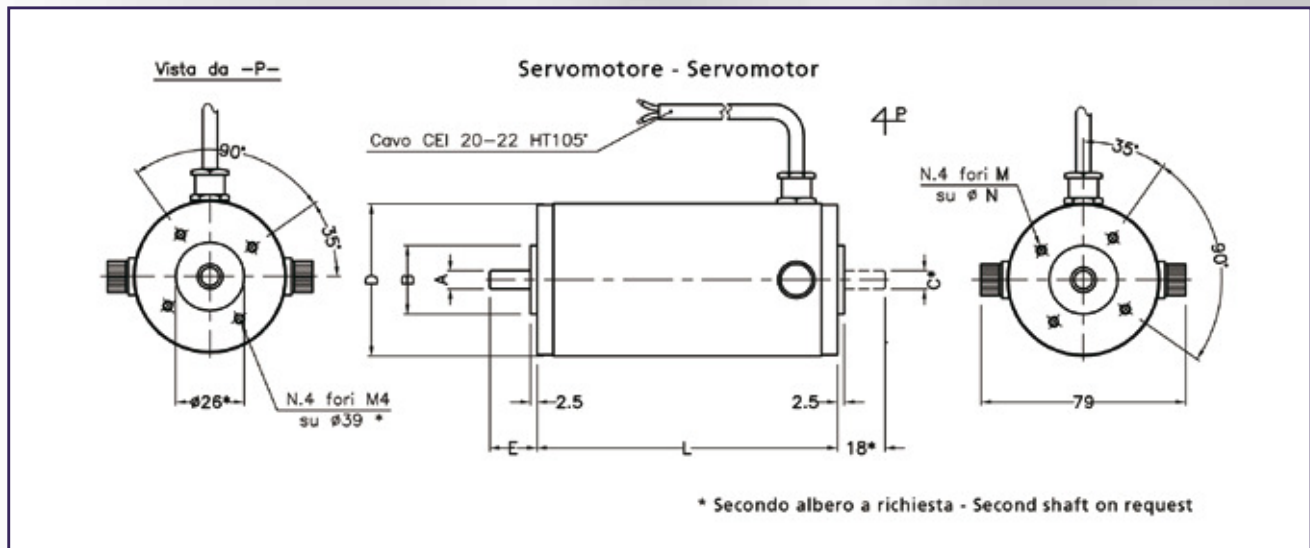
#### DATI MECCANICI - Mechanical Data

Momento di Inerzia Moment of Inertia	Kg.m <sup>2</sup>	2·10 <sup>-5</sup>	2,8·10 <sup>-5</sup>	4,3·10 <sup>-5</sup>				7,5·10 <sup>-5</sup>		
Massa Mass	Kg	0,7	0,9	1,3				2		
Massimo Carico Radiale Maximum Radial Load	N	100	180	180				200		
Massimo Carico Assiale Maximum Axial Load	N	40	60	60				70		

#### CARATTERISTICHE TERMICHE - Thermal Characteristics

Temperatura di Funzionamento Rated Temperature	°C	0 ÷ 40 °C									
Classe di Isolamento Type of Insulation		F									
Grado di Protezione Level of Protection		IP44									
Montaggio Mounting		In Aria / Free Still Air									

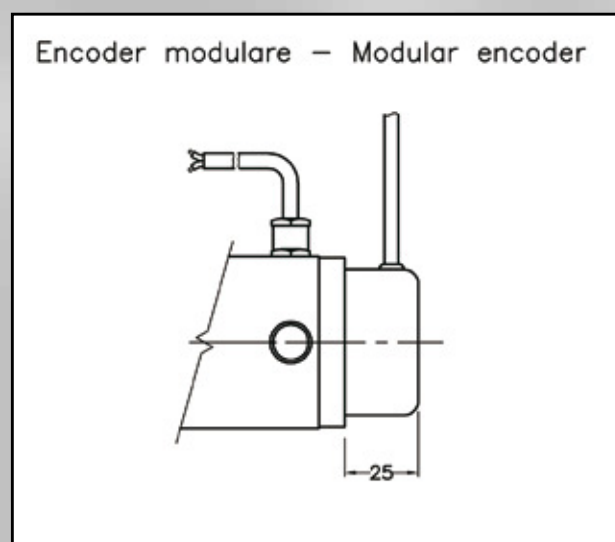
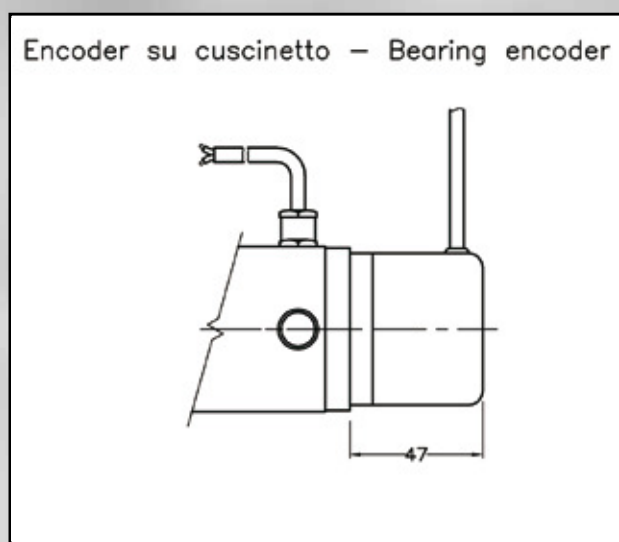
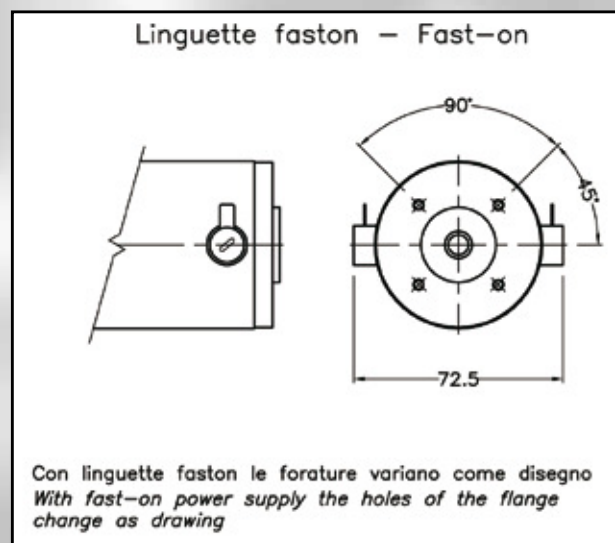
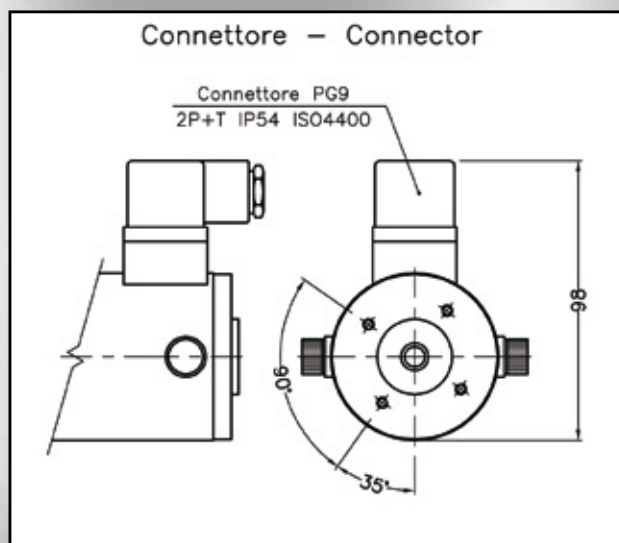
Dati rilevati a temperatura ambiente di 25° C e con temperatura massima del collettore di 115°C.  
The data was obtained at a room temperature of 25 °C with 115°C on the commutator.



Tolleranze sulle dimensioni angolari:  $\pm 5^\circ$   
 The tolerance on angular dimensions:  $\pm 5^\circ$

## Optionals

### Optionals



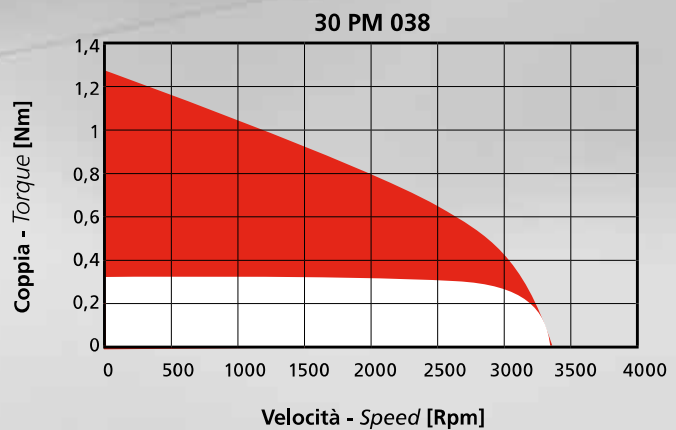
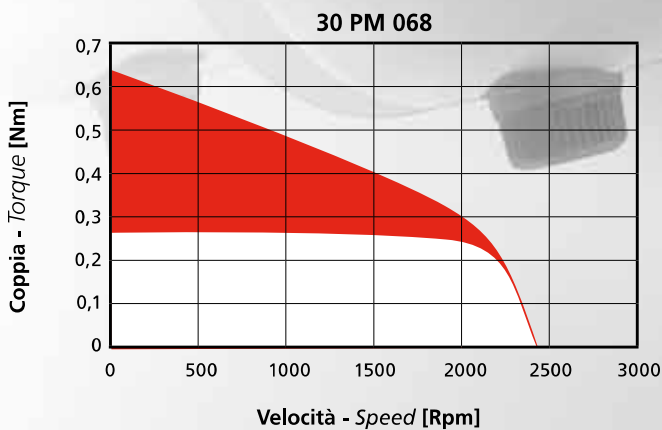
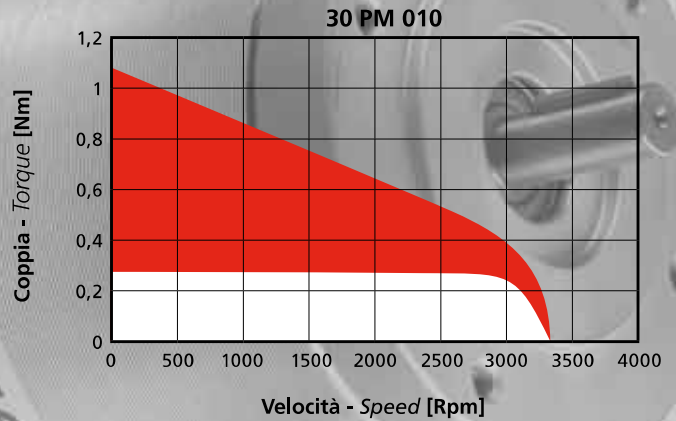
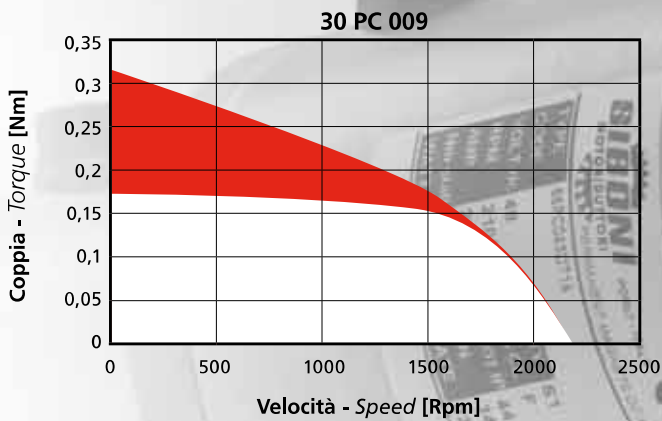
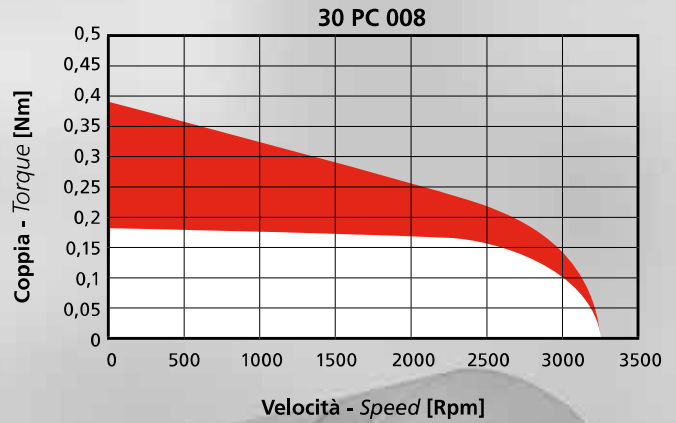
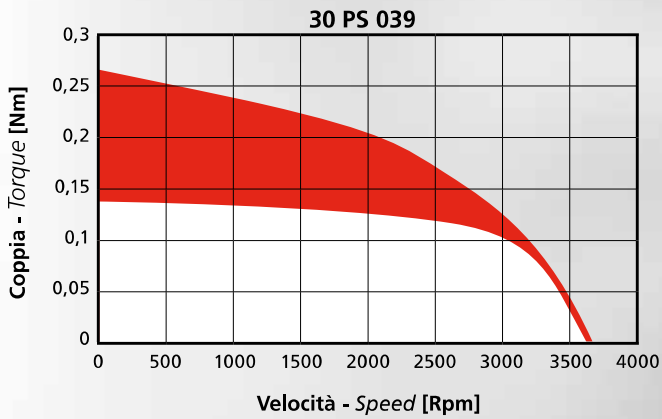
DIMENSIONI - Dimensions											
Taglia Size	Tipo di Flangia Flange type	A <sup>h6</sup>	B <sup>h7</sup>	C <sup>h6</sup>	D	E <sup>± 0,2</sup>	L <sup>± 0,5</sup>	L1 <sup>± 0,5</sup>	M	N	Linguetta Key
30PS	Standard	6	26	6	58	18	72	-	M4	39	-
30PC	Standard	7	26	7	58	18	91	139	M4	39	-
	56B14	9	50	7	75	20	93	146	M5	65	3x3x15
30PM	Standard	7	26	7	58	18	117	165	M4	39	-
	56B14	9	50	7	75	20	119	172	M5	65	3x3x15
	63B14	11	60	7	60(*)	23	120	-	5,5	75	4x4x15
30 PL	Standard	9	26	7	58	25	168,5	222	M5	39	3x3x15
	56B14	9	50	7	75	20	170	223,5	M5	65	3x3x15
	63B14	11	60	7	60(*)	23	170	-	5,5	75	4x4x15

Le quote non indicate stanno a significare che la versione non è disponibile  
Per servomotori con freno di stazionamento, le quote L e L1 devono essere aumentate di 33 mm  
(\*) La quota è riferita al lato di flangia quadrata

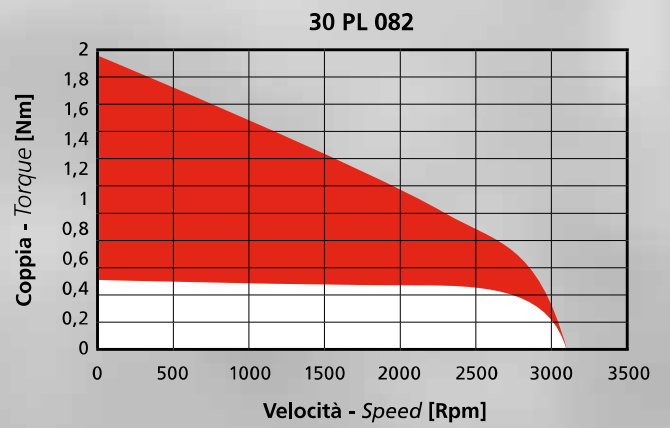
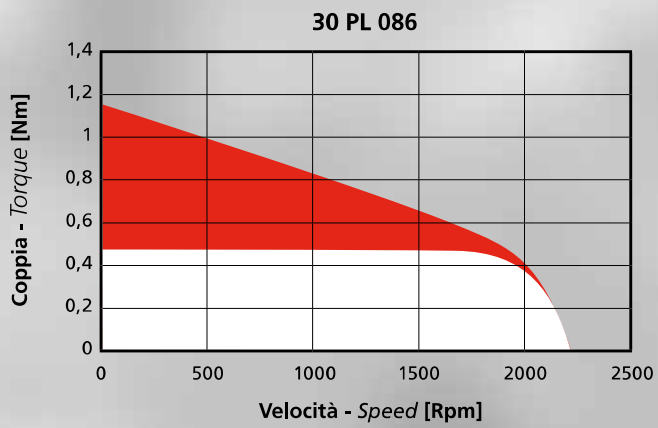
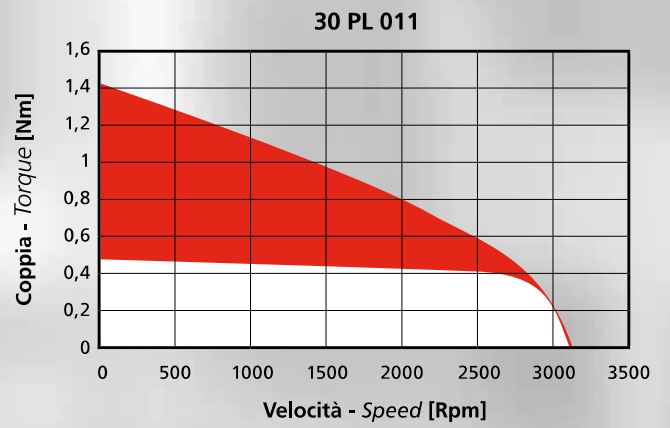
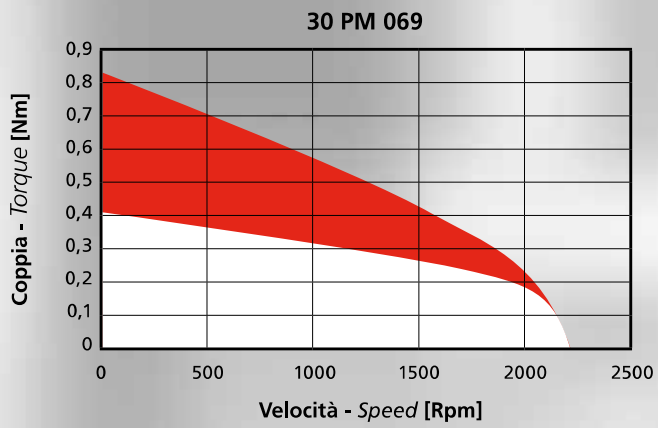
Where the dimensions are not given the version is not available  
For servomotors with brake, the measurements L and L1 need to be increased by 33 mm.  
(\*) This measurement refers to a square flange.

# Caratteristiche Coppia-Velocità

## Torque-Speed characteristics



S1
  S2, 30 min.



□ S1

■ S2, 30 min.