

1.9 Dati tecnici

1.9 Technical data

1.9 Technische Daten

Stadi Steps Stufenzahl	1				2								3									
i	3	4	5	6	9	12	16	20	24	30	36	27	36	48	64	80	100	120	144	180	216	
$n_{1\text{ nom}}$	4000				4500								5000									
$n_{1\text{ max}}$	6000																					
T_{2N}	35	45	35	30	40	50	50	50	50	40	35	40	55	55	55	55	55	55	55	40	35	
T_{2A}	55	65	55	50	60	70	70	70	70	60	55	60	80	80	80	80	80	80	80	60	55	
T_{2S}	110	130	110	100	120	140	140	140	140	120	110	120	150	150	150	150	150	150	150	120	110	
J	Vedi pag. 14 / See page 14 / Siehe auf Seite 14																					
LpA	< 70																					
R _d	0.96				0.93								0.91									
L _h	20000																					
F _{R2}	1400																					
F _{A2}	700																					
R _t	4																					
$\alpha_{\text{ max}}$	4'				6'								8'									
Kg	1.3				1.6								1.9									

i Rapporto di riduzione nominale
 $n_{1\text{ nom}}$ Velocità nominale in entrata [min⁻¹]
 $n_{1\text{ max}}$ Velocità massima in entrata [min⁻¹]
 T_{2N} Coppia nominale intermittente in uscita [Nm]
 T_{2A} Coppia massima di accelerazione in uscita [Nm]
 T_{2S} Coppia massima di emergenza in uscita [Nm]
LpA Livello di rumorosità dB(A) a 3000 min⁻¹
R_d Rendimento dinamico
L_h Durata cuscinetti [h]
F_{R2} Carico radiale nominale in uscita [N] a 300min⁻¹
F_{A2} Carico assiale in uscita [N] a 300min⁻¹
R_t Rigidità torsionale [Nm / arcmin]
 $\alpha_{\text{ max}}$ Gioco angolare massimo [arcmin]
J Momento d'inerzia [kg.cm²]

Nominal ratio
Nominal input speed [min⁻¹]
Maximum input speed [min⁻¹]
Rated intermittent output torque [Nm]
Maximum acceleration output torque [Nm]
Maximum emergency output torque [Nm]
Noise level dB(A) at 3000 min⁻¹
Dynamic efficiency
Bearing life [h]
Rated output radial load [N] at 300min⁻¹
Output axial load [N] at 300min⁻¹
Torsional stiffness [Nm / arcmin]
Maximum backlash [arcmin]
Moment of inertia [kg.cm²]

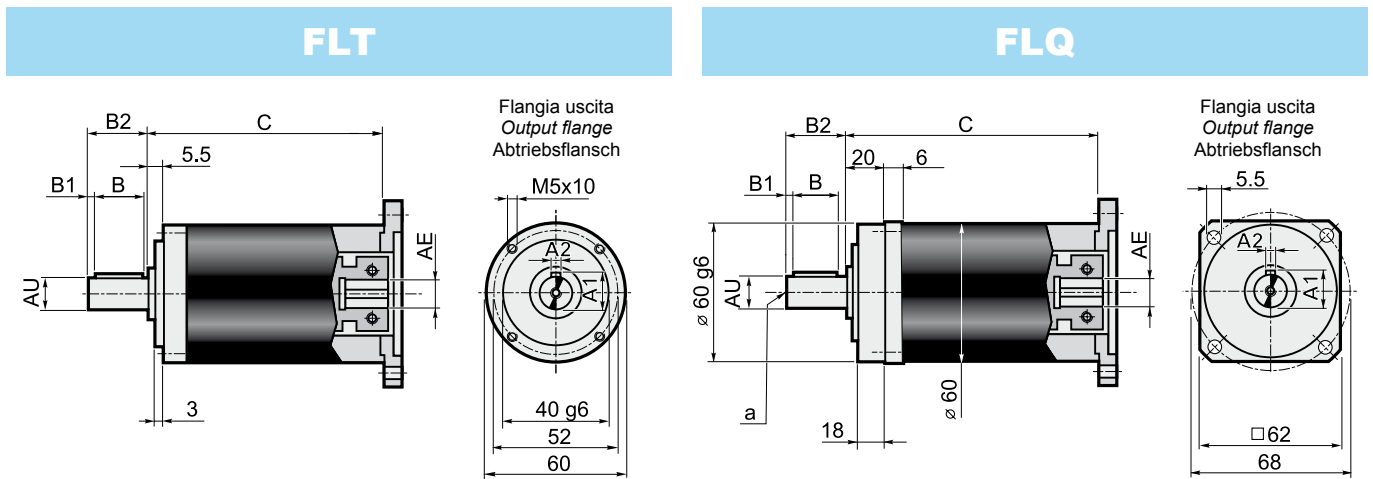
Nenn-Untersetzungsverhältnis
Nenn-Eingangsdrehzahl [min⁻¹]
Maximale Eingangsdrehzahl [min⁻¹]
Nenn-Abtriebsmoment (im Aussetzbetrieb)[Nm]
Maximales Beschleunigungsmoment am Abtrieb [Nm]
Maximale Überlast am Abtrieb [Nm]
Geräuschpegel dB(A) bei 3000 min⁻¹
Dynamischer Wirkungsgrad
Lebensdauer der Lager [h]
Nenn-Radiallast an der Abtriebswelle bei 300min⁻¹
Axiallast an der Abtriebswelle bei 300min⁻¹
Drehfestigkeit [Nm / arcmin]
Maximale Winkelspiel [arcmin]
Trägheitsmoment [kg.cm²]

1.10 Dimensioni

1.10 Dimensions

1.10 Abmessungen

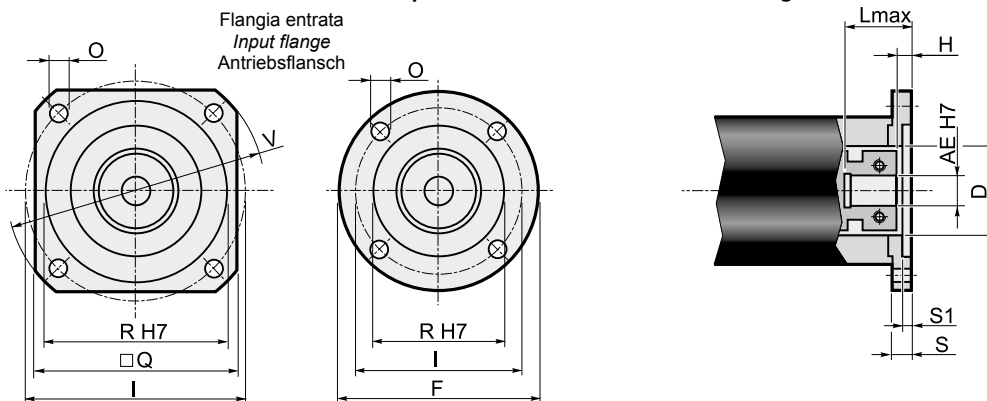
Dimensioni generali e uscite / General and output dimensions / General-und Abtriebsabmessungen



Stadi / Steps / Stufenzahl	1	2	3	
C	86.2	103.9	121.6	AE= 6-6.35-7-8-9-9.52 11-12-12.7-14

	Albero uscita - Output shaft - Abtriebswelle						
	AU j6	A1	A2	B	B1	B2	a
AU12	12	13.5	4	15	3	21	M4x10
AU14	14	16	5	25	2	28	M5x13
AU16	16	18	5	25	2	28	M5x13

Dimensioni entrate / Input dimensions / Antriebsabmessungen



Flange entrata / Input flange / Antriebsflansch										Albero entrata / Input shaft / Antriebswelle																			
										AE																			
										6		6.35		7		8		9		9.52		11		12		12.7		14	
F	Q	V	I	R (H7)	O	S	S1	D	L _{max}	H	L _{max}	H	L _{max}	H	L _{max}	H	L _{max}	H	L _{max}	H	L _{max}	H	L _{max}	H	L _{max}	H			
P01*	60	=	=	43.82	22	4.5	10	3	22	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P02*	=	60	80	66.67	38.1	5.5	10	3	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P03*	=	60	80	63	40	5.5	10	3.5	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P04	=	70	90	75	60	6.5	10.5	3.5	32	37.5	7	37.5	7	37.5	7	28.5	9	28.5	9	37.5	9	28.5	9	37.5	9	37.5	9	37.5	9
P05	105	=	=	85	70	6.5	10.5	3.5	32	37.5	7	37.5	7	37.5	7	28.5	9	28.5	9	37.5	9	28.5	9	37.5	9	37.5	9	37.5	9
P06	=	80	110	98.42	73.02	6	11	3.5	35	38	7.5	38	7.5	38	7.5	29	9.5	29	9.5	38	9.5	29	9.5	38	9.5	38	9.5	38	9.5
P07	=	95	120	100	80	6.5	11.5	4	32	38.5	8	38.5	8	38.5	8	29.5	10	29.5	10	38.5	10	29.5	10	38.5	10	38.5	10	38.5	10
P08	=	98	130	115	95	9	11.5	4	32	38.5	8	38.5	8	38.5	8	29.5	10	29.5	10	38.5	10	29.5	10	38.5	10	38.5	10	38.5	10
P09	=	116	160	130	110	9	12	4.5	32	39	8.5	39	8.5	39	8.5	30	10.5	30	10.5	39	10.5	30	10.5	39	10.5	39	10.5	39	10.5
P10*	60	=	=	39	26	4.5	10	3	26	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P11*	60	=	=	42	32	4.5	10	3	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P12*	65	=	=	46	32	4.5	10	3.5	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P13*	80	=	=	65	50	5.5	10	3.5	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P14*	60	=	=	39	20	4.5	10	2.5	20	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P15	=	75	100	90	60	5.8	12	3.5	32	39	8.5	39	8.5	39	8.5	30	10.5	30	10.5	39	10.5	30	10.5	39	10.5	39	10.5	39	10.5
P16*	60	=	=	45	30	3.5	14	7	30	41	10.5	41	10.5	41	10.5	32	12.5	32	12.5	41	12.5	32	12.5	41	12.5	41	12.5	41	12.5
P17	=	60	82	70	50	4.5	16.5	8	32	43.5	13	43.5	13	43.5	13	34.5	15	34.5	15	43.5	15	34.5	15	43.5	15	43.5	15	43.5	15
P18	=	60	80	60	50	M4	10.5	3.5	32	37.5	7	37.5	7	37.5	7	28.5	9	28.5	9	37.5	9	28.5	9	37.5	9	37.5	9	37.5	9
P19*	60	=	=	36	25	4.5	10	3	25	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P20	=	60	82	70	50	5.5	10.5	3.5	32	37.5	7	37.5	7	37.5	7	28.5	9	28.5	9	37.5	9	28.5	9	37.5	9	37.5	9	37.5	9
P21*	60	=	=	46	30	4.5	10	3	30	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P22	=	60	80	70.71	36	4.5	10	2	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P23	=	62	85	70	50	5.5	15.5	3.5	32	42.5	12	42.5	12	42.5	12	33.5	14	33.5	14	42.5	14	33.5	14	42.5	14	42.5	14	42.5	14
P24	=	75	100	90	70	5.8	12	3.5	32	39	8.5	39	8.5	39	8.5	30	10.5	30	10.5	39	10.5	30	10.5	39	10.5	39	10.5	39	10.5
P25	=	70	95	85	55	5.8	12	3.5	32	39	8.5	39	8.5	39	8.5	30	10.5	30	10.5	39	10.5	30	10.5	39	10.5	39	10.5	39	10.5
P26*	=	60	80	65.5	34	5.5	10	3.5	33	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P27	=	80	110	95	50	6.5	12	3.5	32	39	8.5	39	8.5	39	8.5	30	10.5	30	10.5	39	10.5	30	10.5	39	10.5	39	10.5	39	10.5
P28	=	60	80	66.67	38.1	M4	9	2.5	32	36	5.5	36	5.5	36	5.5	27	7.5	27	7.5	36	7.5	27	7.5	36	7.5	36	7.5	36	7.5
P29	60	=	=	45	30	M3	11	4	32	38	7.5	38	7.5	38	7.5	29	9.5	29	9.5	38	9.5	29	9.5	38	9.5	38	9.5	38	9.5
P30	=	70	95	85	60	5.8	12	3.5	32	39	8.5	39	8.5	39	8.5	30	10.5	30	10.5	39	10.5	30	10.5	39	10.5	39	10.5	39	10.5
P31	=	62	85	70	50	M4	11	3.5	32	38	7.5	38	7.5	38	7.5	29	9.5	29	9.5	38	9.5	29	9.5	38	9.5	38	9.5	38	9.5
P32	=	60	80	65	40	M5	10	3.5	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P33	=	85	115	99	60	5.5	11	3.5	32	38	7.5	38	7.5	38	7.5	29	9.5	29	9.5	38	9.5	29	9.5	38	9.5	38	9.5	38	9.5
P34	=	65	87	73.54	40	M4	10	3.5	32	37	6.5	37	6.5	37	6.5	28	8.5	28	8.5	37	8.5	28	8.5	37	8.5	37	8.5	37	8.5
P35	=	60	80	70.71	36	M4	14	2	32	41	10.5	41	10.5	41	10.5	32	12.5	32	12.5	41	12.5	32	12.5	41	12.5	41	12.5	41	12.5
P36	=	85	115	98.42	73.02	6	15	3.5	35	42	11.5	42	11.5	42	11.5	33	13.5	33	13.5	42	13.5	33	13.5	42	13.5	42	13.5	42	13.5
P37	=	95	120	100	80	6.5	16.5	5	32	43.5	13	43.5	13	43.5	13	34.5	15	34.5	15	43.5	15	34.5	15	43.5	15	43.5	15	43.5	15
P38	60	=	=	48	30	M3	11	7	32	38	7.5	38	7.5	38	7.5	29	9.5	29	9.5	38	9.5	29	9.5	38	9.5	38	9.5	38	9.5
P41*	68	=	=	50	30	5.5	10	10	30	34	3.5	34	3.5	34	3.5	25	5.5	25	5.5	34	5.5	25	5.5	34	5.5	34	5.5	34	5.5

* Per assemblare il motore è necessario smontare la flangia dal riduttore (vedere schema di montaggio 2 a pag. 25).

* Before the mounting of the motor it is necessary to remove the flange from the gearbox (see structural arrangement 2 at the top of the page 25).

* Vor dem Einbauen des Motors soll die Getriebeflang abmontiert werden (siehe Bauanleitung 2 auf Seite 25).