1.9 Dati tecnici — *1.9 Technical data* — 1.9 Technische Daten

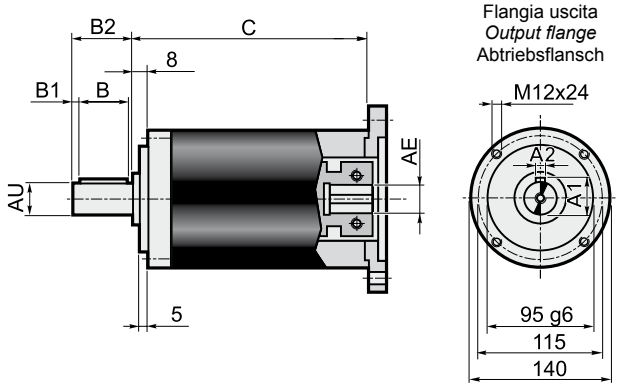
Stadi / *Steps* / Stufenzahl	1				2							3								
i	**3**	**4**	**5**	**7**	**9**	**12**	**16**	**20**	**28**	**35**	**49**	**36**	**48**	**64**	**80**	**100**	**140**	**196**	**245**	**343**
$n_{1\ nom}$	3000				3500							4000								
$n_{1\ max}$	5000																			
$T2_N$	430	470	410	340	500	560	560	560	560	470	370	600	600	600	600	600	600	600	500	450
$T2_A$	700	750	650	600	800	900	900	900	900	750	700	950	950	950	950	950	950	950	800	750
$T2_S$	1400	1500	1300	1200	1600	1800	1800	1800	1800	1500	1400	1900	1900	1900	1900	1900	1900	1900	1600	1500
J	Vedi pag. 15 / See page 15 / Siehe auf Seite 15																			
LpA	< 70																			
R_d	0.96				0.93							0.91								
L_h	20000																			
F_{R2}	6600																			
F_{A2}	3300																			
R_t	60																			
α_{max}	4’				6’							8’								
Kg	13.0				17.0							21								

i	Rapporto di riduzione nominale	*Nominal ratio*	Nenn-Untersetzungsverhältnis
$n_{1\ nom}$	Velocità nominale in entrata [min^{-1}]	*Nominal input speed [min^{-1}]*	Nenn-Eingangsdrehzahl [min^{-1}]
$n_{1\ max}$	Velocità massima in entrata [min^{-1}]	*Maximum input speed [min^{-1}]*	Maximale Eingangsdrehzahl [min^{-1}]
$T2_N$	Coppia nominale intermittente in uscita [Nm]	*Rated intermittent output torque [Nm]*	Nenn-Abtriebsmoment (im Aussetzbetrieb)[Nm]
$T2_A$	Coppia massima di accelerazione in uscita [Nm]	*Maximum acceleration output torque [Nm]*	Maximales Beschleunigungsmoment am Abtrieb [Nm]
$T2_S$	Coppia massima di emergenza in uscita [Nm]	*Maximum emergency output torque [Nm]*	Maximale Überlast am Abtrieb [Nm]
Lp_A	Livello di rumorosità dB(A) a 3000 min^{-1}	*Noise level dB(A) at 3000 min^{-1}*	Geräuschpegel dB(A) bei 3000 min^{-1}
Rd	Rendimento dinamico	*Dynamic efficiency*	Dynamischer Wirkungsgrad
L_h	Durata cuscinetti [h]	*Bearing life [h]*	Lebensdauer der Lager [h]
F_{R2}	Carico radiale nominale in uscita [N] a 300min^{-1}	*Rated output radial load [N] at 300min^{-1}*	Nenn-Radiallast an der Abtriebswelle bei 300min^{-1}
F_{A2}	Carico assiale in uscita [N] a 300min^{-1}	*Output axial load [N] at 300min^{-1}*	Axiallast an der Abtriebswelle bei 300min^{-1}
R_t	Rigidità torsionale [Nm / arcmin]	*Torsional rigidity [Nm / arcmin]*	Drehfestigkeit [Nm / arcmin]
α_{max}	Gioco angolare massimo [arcmin]	*Maximum backlash [arcmin]*	Maximale Winkelspiel [arcmin]
J	Momento d'inerzia [$kg.cm^2$]	*Moment of inertia [$kg.cm^2$]*	Trägheitsmoment [$kg.cm^2$]

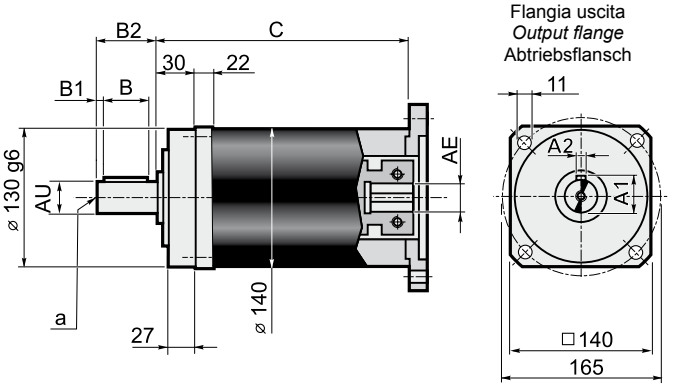
1.10 Dimensioni — *1.10 Dimensions* — 1.10 Abmessungen

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

FLT



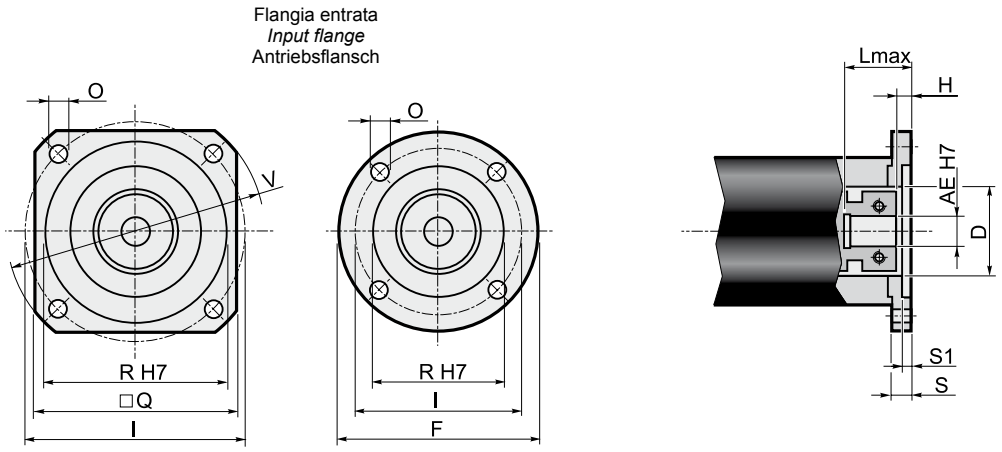
FLQ



Stadi / *Steps* / Stufenzahl	1	2	3	
C	160	201	242	AE= 15.87-16-19-22-24
	185	226	267	AE= 28-32-35-38

	Albero uscita - *Output shaft* - Abtriebswelle						
	AU j6	**A1**	**A2**	**B**	**B1**	**B2**	**a**
AU38	38	41	10	70	5	80	M10x25
AU40	40	43	12	70	5	80	M10x25

Dimensioni entrate / *Input dimensions* / Antriebsabmessungen



Flange entrata / *Input flange* / Antriebsflansch										Albero entrata / *Input shaft* / Antriebswelle																	
										AE																	
										15.87		**16**		**19**		**22**		**24**		**28**		**32**		**35**		**38**	
	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*	140	=	=	125.72	55.52	6.5	15	4	55.52	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P02*	140	=	=	100	80	6.5	15	4	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P03*	140	=	=	115	95	8.5	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P04*	=	140	160	130	110	8.5	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P05	=	142	190	165	130	11	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P06	=	190	250	215	180	13	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P07	=	250	300	265	230	13	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P08	=	130	165	145	110	M 8	18	7	70	60.8	9.8	60.8	9.8	45.8	9.8	60.8	9.8	60.8	9.8	85.8	10.3	85.8	10.3	85.8	10.3	85.8	10.3
P09	=	180	230	200	114.3	13.5	22	11	70	64.8	13.8	64.8	13.8	49.8	13.8	64.8	13.8	64.8	13.8	89.8	14.3	89.8	14.3	89.8	14.3	89.8	14.3
P10	=	115	150	130	95	M 8	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P11	=	180	230	198	155	13.5	22	7	120x11	64.8	13.8	64.8	13.8	49.8	13.8	64.8	13.8	64.8	13.8	89.8	14.3	89.8	14.3	89.8	14.3	89.8	14.3
P12	=	220	270	235	200	13.5	15	5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P13	=	190	250	215	130	13	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P14	=	142	190	165	110	11	15	4.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P15*	150	=	=	90	70	6.5	15	4	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P16	=	146	200	177.8	114.3	10.5	15	3.5	70	57.8	6.8	57.8	6.8	42.8	6.8	57.8	6.8	57.8	6.8	82.8	7.3	82.8	7.3	82.8	7.3	82.8	7.3
P17	=	130	165	145	110	M 8	28	7	70	-	-	-	-	70.8	19.8	-	-	-	-	-	-	-	-	-	-	-	-
P18	140	=	=	100	80	M 6	22	6	70	64.8	13.8	64.8	13.8	49.8	13.8	64.8	13.8	64.8	13.8	89.8	14.3	89.8	14.3	89.8	14.3	89.8	14.3

* 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 Getriebeflansch abmontiert werden (siehe **Bauanleitung 2** auf Seite 25).