

Technical drawing of the 1000 series motor, showing front, side, and detail views with dimensions and labels.

Front View (Left): Shows the motor's front profile. Key dimensions include A (total height), B (top width), C (top width at base), D (top flange thickness), E (base width), F (base flange thickness), G (base flange outer diameter), H (base flange inner diameter), I (base flange hole diameter), J (base flange hole pitch circle diameter), K (base flange hole diameter), L (base flange hole diameter), M (base flange hole diameter), N (base flange hole diameter), O (base flange hole diameter), P (base flange hole diameter), Q (base flange hole diameter), R (base flange hole diameter), S (base flange hole diameter), T (base flange hole diameter), U (base flange hole diameter), V (base flange hole diameter), W (base flange hole diameter), X (base flange hole diameter), Y (base flange hole diameter), Z (base flange hole diameter).

Side View (Right): Shows the motor's side profile. Key dimensions include A (total height), B (top width), C (top width at base), D (top flange thickness), E (base width), F (base flange thickness), G (base flange outer diameter), H (base flange inner diameter), I (base flange hole diameter), J (base flange hole pitch circle diameter), K (base flange hole diameter), L (base flange hole diameter), M (base flange hole diameter), N (base flange hole diameter), O (base flange hole diameter), P (base flange hole diameter), Q (base flange hole diameter), R (base flange hole diameter), S (base flange hole diameter), T (base flange hole diameter), U (base flange hole diameter), V (base flange hole diameter), W (base flange hole diameter), X (base flange hole diameter), Y (base flange hole diameter), Z (base flange hole diameter).

Detail View (Bottom): Shows a cross-section of the motor's base flange. Key dimensions include $F1$ (base flange thickness), $F2$ (base flange outer diameter), $F3$ (base flange inner diameter), $F4$ (base flange hole diameter), $F5$ (base flange hole pitch circle diameter), $F6$ (base flange hole diameter), $F7$ (base flange hole diameter), $F8$ (base flange hole diameter), $F9$ (base flange hole diameter), $F10$ (base flange hole diameter), $F11$ (base flange hole diameter), $F12$ (base flange hole diameter), $F13$ (base flange hole diameter), $F14$ (base flange hole diameter), $F15$ (base flange hole diameter), $F16$ (base flange hole diameter), $F17$ (base flange hole diameter), $F18$ (base flange hole diameter), $F19$ (base flange hole diameter), $F20$ (base flange hole diameter).

General tolerance: Js13	<i>Cmm</i>	Automatic / manual coordinate-measuring machine	μm	Micrometer	<i>Cr</i>	Calliper rule	<i>Di</i>	Dial indicator	<i>Pg</i>	Plug gauge
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GEHÄUSE	GEHÄUSE	MOTORFLANSCH
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Sollwert	Istwert		Sollwert	Istwert		Sollwert	Istwert
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				B3437				L1	81	Cr	81							
	Y2	M8x16	Pg	OK				L2	79	Cr	79		Ø	B	181	µm	180.95	
Ø	S2	234 ^{+0,1 -0,1}	Cr	234				J	185	Cr	185		Ø	C	38 ^{+0,05 +0,025}	µm	38.035	
	A	540,5	µm	541.23				K	15	Cr	15			D	8	Cr	8.54	
	E	320	Cr	320		2 x 4Ø	Y4	M10x13	Pg	OK			Ø	S1	215	Cr	215	
	O	20	Cr	20				F1	60	Cr	60.43		Ø	Y1	M12	Pg	OK	
	P1	40	Cr	40				F2	30	Cr	30.26							
	P2	40	Cr	40		2 x 1Ø	Y7	14	µm	14		Leerlaufdrehmoment						
	P3	40	Cr	40		2 x 4Ø	Y6	22	µm	22		Linie 1				0,5 Nm		
	P4	40	Cr	40		2 x 5Ø	Y5	33	µm	33								
	T	20	Cr	20			M H6	15 ^{+0,011 0}	Cmm	15,003				Linie	Steifigkeit			
	U	37	Cr	37		⊥	m	0,05	Cmm	0,014		Verdrehsteifigkeit (Nm/arcmin)		1	574,81			
2 x 1Ø	Y3	M10x13	Pg	OK			N	72,5 ^{+0,1 -0,1}	Cmm	72,463								
	R	255 ^{+0,2 +0,1}	Cmm	255,186		A		W	158 ^{+0,035 -0,035}	Cmm	158,006		Radiale Steifigkeit (N/µm)		1	1344		
⊙	r	0,1	Cmm	0,026		//	w	0,03 /A	Cmm	0,001								

ABTRIEBSRITZEL						Geräuschpegel	
			M2852			@1600 rpm Eintrieb (dB(A))	61,5
Zahnweite (über 3 Zähne)							
		G1	46,9 ⁰ _{-0,03}	Cmm	46,88		
	↗	g1	0,022	Di	0,015		

Datum: 10/01/2019 Von: C DE MIRANDA

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