

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	513A	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	105	
EXACT RATIO	104.68	
OUTPUT SPEED	14	RPM
EXACT OUTPUT SPEED	14	RPM
INPUT POWER	0.25	KW
INPUT ROTATION	1400	RPM
INPUT PAM	71B14	
OUTPUT TORQUE	167.79	N.m
NOMINAL TORQUE	354.00	N.m
NOMINAL POWER	0.53	KW
SERVICE FACTOR	2.12	
DYNAMIC EFFICIENCY	0.94	

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
1	0.9	1.55	1.15	1.45	1.4

Radial and Axial Loads



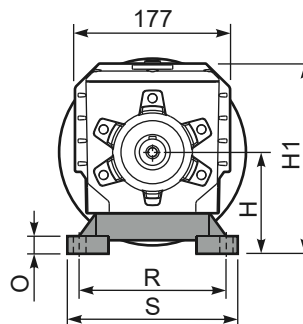
n_2 [min-1]	F_A [N]	F_R [N]
300	460	2300
200	520	2600
120	620	3100
15	1000	5000

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Gearbox weight	With flange 11.9 kg
peso riduttore	With feet 12.1 Kg



Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	211	20	11	-	-	KC50.9.024
B4	30/35	20	130	180	149.5	216	231	18	14	-	-	KC60.9.024
S4	47-57	30	115	135	165	170	216	25	14	-	-	KC50.9.022
H3	023-233	30	130	135	135	185	231	25	14	-	-	KC50.9.025
M2	52/3	30	110	135-150	100	190	211	18	11	-	-	KC50.9.023

 Most popular types
Tipi più diffusi

The technical drawing illustrates the dimensions of the KC50.9.011 motor. It includes three main views:

- Front View (Left):** Shows the circular end face with a central shaft diameter d_1 , a mounting flange height h_1 , and a total width p_1 . A reference point x is indicated at the center.
- Side View (Right):** Shows the motor's profile with dimensions a_1 (total height), b_1 (height to the top of the mounting flange), f_7 (flange thickness), f_1 (shaft length), c_1 (distance from base to shaft center), and g_6 (base height). The total length is labeled as K_1 .
- Detail Y (Top):** A magnified view of the mounting flange area, showing a thickness of 2.5 mm and a total width of 8.5 mm for the KC50.9.011 model.

Available output shaft / Albero di uscita

51.5 with KC50.9.011

	Shaft - d1	p1	h1	x
Standard	ø 30x60	8	33	M10x22
On request A richiesta	ø 24x50	8	27	M8x19
	ø 25x50	8	28	M8x19
	ø 28x60	8	31	M8x19
	ø 35x60	10	38	M10x22

a1 ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	11	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

With flange and feet only on request.
Ask for compatibility

Technical drawing of the B14 motor flange, showing side and front views with dimensions.

Side View Dimensions:

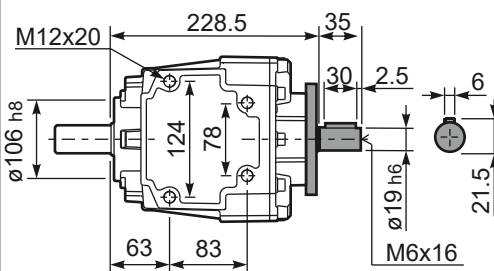
- Overall length: 217.5
- Flange thickness: 9.6
- Shaft diameter: $\phi 30$ h6
- Shaft thread: M10x22
- Flange outer diameter: $\phi 123$
- Flange hole diameter: $\phi 60$
- Flange hole spacing: 50
- Flange hole diameter: 15.5
- Flange hole spacing: 12
- Flange hole diameter: 15
- Flange hole spacing: 5
- Flange hole diameter: 33
- Flange hole spacing: ∞

Front View Dimensions:

- Overall diameter: $\phi 123$
- Flange outer diameter: 170.5
- Flange hole diameter: 69.5
- Flange hole spacing: 50°
- Flange hole diameter: 65°
- Flange hole spacing: N.5 M10x17

Notes:

- Suggested B14 motor flanges



B14 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011
71 B14	236	197.5	105	238.5	K063.4.047	244.5
80 B14	238	205	120	240.5	K063.4.046	246.5
90 B14	238	215	140	240.5	K063.4.041	246.5