

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	612A
Ø OUTPUT SHAFT	35 mm
APPROXIMATE RATIO	9
EXACT RATIO	9.45
OUTPUT SPEED	162 RPM
EXACT OUTPUT SPEED	154 RPM
INPUT POWER	4.00 KW
INPUT ROTATION	1400 RPM
INPUT PAM	112B14
OUTPUT TORQUE	247.52 N.m
NOMINAL TORQUE	400.00 N.m
NOMINAL POWER	6.5 KW
SERVICE FACTOR	1.63
DYNAMIC EFFICIENCY	0.96

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.8	1	1.2	1.2	1.3	1.35

Radial and Axial Loads



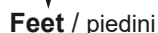
n_2 [min-1]	F_A [N]	F_R [N]
300	560	2800
200	640	3200
120	760	3800
15	1300	6500

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Gearbox weight peso riduttore	With flange	14.1 kg
	With feet	14.5 kg



Feet Code	Market reference	G	H	R	L	S	H1	O	øI	S2 only with motor flange	B5 max. Flange	kit code
B4	412/3	20	130	180	149.5	216	242	18	14	-	-	KC60.9.024
S4	47-57	30	115	135	165	170	227	25	14	13 132B5	-	KC50.9.022
M3	62/3	35	120	170÷185	110	230	232	20	14	8 132B5	-	KC60.9.023
S7	77	35	140	170	205	204	252	8	14	-	-	KC60.9.029LM
H4	024-243	35	155	170	150	225	267	30	14	-	-	KC60.9.025

 Most popular types
Tipi più diffusi

Technical drawing of the KC50.9.011 motor showing front, side, and detail views with dimensions.

Front View: Shows a circular motor body with a central shaft. Dimensions include $p1$ (shaft diameter) and x (mounting hole diameter).

Side View: Shows the motor's profile. Dimensions include $h1$ (total height), $d1$ (base diameter), and 2.5 (base thickness). A circular detail callout labeled "Detail Y" is shown.

Detail Y: A magnified view of the base mounting flange. It shows a circular flange with a central hole. Dimensions include 8.5 (flange thickness), 2.5 (base thickness), and 16.3 (flange diameter).

Top View: Shows the motor from above. Dimensions include $a1$ (total width), $b1$ (base width), $f7$ (flange thickness), $f1$ (flange diameter), $c1$ (base diameter), and 67.5 (total length).

Bottom View: Shows the motor from below. Dimensions include 96 (total width) and 61.5 (total length).

Labels: "Detail Y" is used to indicate the magnified view of the base mounting flange.

Dimensions: 8.5 with KC50.9.011, 2.5 , 16.3 , 67.5 , 61.5 with KC50.9.011, 96 , $a1$, $b1$, $f7$, $f1$, $c1$, $p1$, x , $h1$, $d1$.

***Available output shaft** / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	ø 35x70	10	38	M10x22
On request A richiesta	ø 28x60	8	31	M8x20
	ø 30x60	8	33	M10x22
	ø 38x70	10	41	M10x25
	ø 40x80	12	43	M12x28

Available output flanges / flange di uscita

a1 Ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	11	KC50.9.011
200	130	13	164	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

2 With flange and feet
only on request.

3 Ask for compatibility

Technical drawing of the B14 motor flange. The drawing includes a side view and a top view. The side view shows a motor with a total length of 219 mm, a mounting flange with a diameter of 123 mm, and a mounting hole diameter of 10 mm. The motor body has a diameter of 63 mm and a mounting flange thickness of 96 mm. The top view shows a square mounting flange with a diameter of 123 mm, a central hole of 10 mm, and four mounting holes of 6.5 mm diameter. The mounting holes are spaced 181.5 mm apart. The motor is labeled "Suggested B14 motor flanges".

B5 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011
71 B5	237.5	251.3	160	240	K023.4.041	246
80/90 B5	239.5	271.3	200	242	K023.4.042	248
100/112 B5	248.5	296.3	250	251	K023.4.043	257
132 B5	269.5	321.3	300	269	KC51.4.043	275