

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	612A
Ø OUTPUT SHAFT	35 mm
APPROXIMATE RATIO	6
EXACT RATIO	6.07
OUTPUT SPEED	243 RPM
EXACT OUTPUT SPEED	241 RPM
INPUT POWER	3.00 KW
INPUT ROTATION	1400 RPM
INPUT PAM	100B14
OUTPUT TORQUE	119.24 N.m
NOMINAL TORQUE	300.00 N.m
NOMINAL POWER	7.6 KW
SERVICE FACTOR	2.53
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 callout indicates a total width of **8.5 with KC50.9.011**.

Detail Y: A magnified view of the mounting flange. It shows a circular flange with a central hole. Dimensions include $a1$ (flange thickness), $b1$ (flange diameter), $f7$ (flange hole diameter), $f1$ (flange hole diameter), $c1$ (flange hole diameter), and 67.5 (flange hole diameter).

Top View: Shows the motor's top profile. Dimensions include $K1$ (total width), 16.3 (flange hole diameter), and 96 (total height).

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

61.5 with KC50.9.011

***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

With flange and feet
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Technical drawing of the B14 motor flange assembly, showing dimensions in millimeters (mm).

Side View Dimensions:

- Total length: 219
- Mounting flange thickness: 96
- Central shaft diameter: $\varnothing 35$ h6
- Mounting hole diameter: 181.5
- Mounting hole spacing: 65
- Mounting hole diameter: N.5 M10x17
- Central hole diameter: 69.5
- Flange side length: 123
- Flange thickness: 12.5
- Flange diameter: 163
- Flange width: 60
- Flange height: 15.5
- Flange offset: 5
- Flange offset: 70
- Flange offset: 38
- Flange offset: 10

Top View Dimensions:

- Mounting hole diameter: N.5 M10x17
- Mounting hole spacing: 65
- Mounting hole diameter: 181.5
- Central hole diameter: 69.5
- Flange side length: 123
- Flange thickness: 12.5
- Flange diameter: 163
- Flange width: 60
- Flange height: 15.5
- Flange offset: 5
- Flange offset: 70
- Flange offset: 38
- Flange offset: 10

Other Dimensions:

- Mounting hole diameter: 10
- Mounting hole diameter: 38
- Mounting hole diameter: 10
- Mounting hole diameter: 38
- Mounting hole diameter: 10
- Mounting hole diameter: 38
- Mounting hole diameter: 10
- Mounting hole diameter: 38
- Mounting hole diameter: 10
- Mounting hole diameter: 38

[illegible]

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