

Technical Data Sheet
Gearbox
INLINE GEARBOX

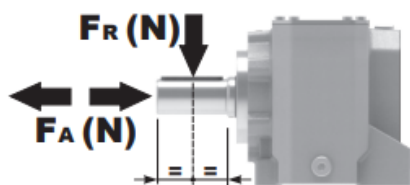


MODEL	612A
Ø OUTPUT SHAFT	35 mm
APPROXIMATE RATIO	25
EXACT RATIO	24.61
OUTPUT SPEED	58 RPM
EXACT OUTPUT SPEED	59 RPM
INPUT POWER	1.10 KW
INPUT ROTATION	1400 RPM
INPUT PAM	90B5
OUTPUT TORQUE	177.26 N.m
NOMINAL TORQUE	520.00 N.m
NOMINAL POWER	3.2 KW
SERVICE FACTOR	2.91
DYNAMIC EFFICIENCY	0.96

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



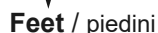
n_2 [min-1]	FA [N]	FR [N]
300	560	2800
200	640	3200
120	760	3800
15	1300	6500

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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	Øl	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 (Left): Shows the motor's base with dimensions $p1$ (width) and x (center-to-center distance).

Side View (Middle): Shows the motor's profile with dimensions $h1$ (total height), $d1$ (base diameter), and a mounting flange with a thickness of 2.5. A callout indicates a total width of 8.5 with KC50.9.011.

Detail Y (Right): A detailed view of the motor's output shaft and mounting flange. Dimensions include:

- $a1$: Total height of the mounting flange.
- $b1$: Height of the mounting flange.
- $f7$: Thickness of the mounting flange.
- $f1$: Thickness of the output shaft.
- $c1$: Distance from the base to the output shaft.
- 67.5 : Total height of the motor body.
- 61.5 with KC50.9.011: Total height of the motor body with the KC50.9.011 output shaft.
- 16.3 : Distance from the base to the output shaft.
- 96 : Total height of the motor body.
- $R1$: Radius of the output shaft.

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

***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

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B14

Riduttore base

Suggested B14 motor flanges

Dimensions:

- Total length: 219
- Flange thickness: 96
- Motor body diameter: $\varnothing 123$
- Mounting hole diameter: N.5 M10x17
- Mounting hole angle: 65° / 50°
- Shaft diameter: $\varnothing 35 \text{ h6}$
- Shaft key width: 10
- Shaft key height: 38
- Shaft thread: M10x22
- Other dimensions: 15.5, 5, 60, 16.3, 70, 12.5, 69.5, 181.5

Technical drawing of the 1000 series ball bearing unit, showing front and side views with dimensions:

- Front View Dimensions:**
 - Overall width: 231
 - Overall height: 106 h8
 - Internal width (between mounting surfaces): 124
 - Internal height (between mounting surfaces): 78
 - Mounting hole diameter: M12x20
 - Distance from mounting hole to center: 63
 - Distance from center to mounting hole: 83
- Side View Dimensions:**
 - Overall depth: 50
 - Distance from mounting surface to center: 40
 - Distance from center to mounting surface: 5
 - Distance from mounting surface to center: 24 h6
 - Mounting hole diameter: M6x16
 - Distance from mounting hole to center: 8
 - Distance from center to mounting hole: 27

B5 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011	B14 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 B14	239.5	231.3	120	242	K085.4.046	248
80/90 B5	239.5	271.3	200	242	K023.4.042	248	90 B14	239.5	241.3	140	242	K085.4.045	248
100/112 B5	248.5	296.3	250	251	K023.4.043	257	100/112 B14	248.5	251.3	160	251	K085.4.047	257
132 B5	269.5	321.3	300	269	KC51.4.043	275	132 B14	269.5	271.3	200	269	KC51.4.041	275