

Technical Data Sheet
Gearbox
INLINE GEARBOX

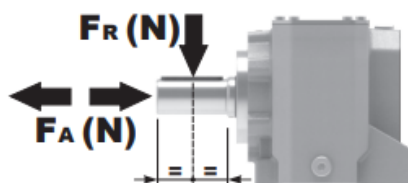


MODEL	612A
Ø OUTPUT SHAFT	35 mm
APPROXIMATE RATIO	14
EXACT RATIO	14.00
OUTPUT SPEED	104 RPM
EXACT OUTPUT SPEED	104 RPM
INPUT POWER	3.00 KW
INPUT ROTATION	1400 RPM
INPUT PAM	100B14
OUTPUT TORQUE	275.02 N.m
NOMINAL TORQUE	435.00 N.m
NOMINAL POWER	4.7 KW
SERVICE FACTOR	1.57
DYNAMIC EFFICIENCY	0.96

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



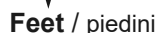
n_2 [min-1]	FA [N]	FR [N]
300	560	2800
200	640	3200
120	760	3800
15	1300	6500

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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 output shaft assembly. The drawing includes a front view on the left showing a circular shaft with a central hole, dimensions $p1$ and x , and a circular detail callout. The side view on the right shows the shaft with dimensions $a1$, $b1$, $f7$, $f1$, $c1$, 67.5 , 61.5 (with KC50.9.011), 96 , and 16.3 . A detail callout 'Detail Y' is shown on the left side of the side view, showing a cross-section of the shaft with dimensions 8.5 (with KC50.9.011) and 2.5 . The shaft is labeled '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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Technical drawing of the B14 motor flange, showing side and top views with dimensions in millimeters.

Side View Dimensions:

- Overall length: 219
- Flange thickness: 96
- Mounting hole diameter: $\varnothing 35$ h6
- Mounting hole spacing: 10
- Mounting hole diameter: 38
- Flange diameter: 123
- Flange thickness: 12.5
- Flange diameter: 70
- Flange thickness: 60
- Flange thickness: 15.5
- Flange thickness: 5
- Flange thickness: 16.3
- Flange thickness: 12.5

Top View Dimensions:

- Flange diameter: 123
- Flange thickness: 69.5
- Flange thickness: 181.5
- Flange thickness: 65°
- Flange thickness: 50°
- Flange thickness: N.5 M10x17

Mounting Hole Dimensions:

- Mounting hole diameter: M10x22
- Mounting hole diameter: 10
- Mounting hole diameter: 38

[illegible]

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