

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	612A
Ø OUTPUT SHAFT	35 mm
APPROXIMATE RATIO	40
EXACT RATIO	40.50
OUTPUT SPEED	37 RPM
EXACT OUTPUT SPEED	36 RPM
INPUT POWER	0.55 KW
INPUT ROTATION	1400 RPM
INPUT PAM	80B14
OUTPUT TORQUE	145.86 N.m
NOMINAL TORQUE	320.00 N.m
NOMINAL POWER	1.2 KW
SERVICE FACTOR	2.18
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	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 (Left): Shows the motor's circular face with a central shaft. Dimensions include $p1$ (shaft diameter) and x (mounting hole diameter).

Side View (Middle): Shows the motor's profile. Dimensions include $h1$ (total height), $d1$ (base diameter), and 2.5 (base thickness). A circular detail is shown with a radius of 8.5 with KC50.9.011.

Detail Y (Top Right): A magnified view of the mounting flange. 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).

Side View (Bottom Right): Shows the motor's profile with dimensions $K1$ (total length), 16.3 (motor body length), and 96 (motor body diameter).

Output Shaft: A dimension of 61.5 with KC50.9.011 is shown for the output shaft.

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

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	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

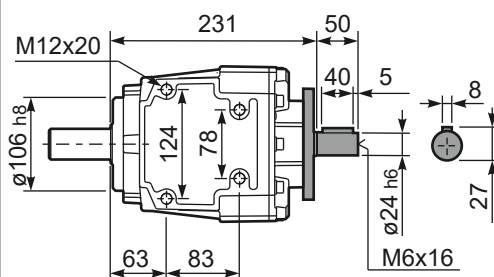
a1 Ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	11	KC50.9.011
200	130	13	164	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

With flange and feet only on request. Ask for compatibility

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[illegible]

R612A-N... Input Shaft
Albero in entrata



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