

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	613A
Ø OUTPUT SHAFT	35 mm
APPROXIMATE RATIO	146
EXACT RATIO	145.68
OUTPUT SPEED	10 RPM
EXACT OUTPUT SPEED	10 RPM
INPUT POWER	0.37 KW
INPUT ROTATION	1400 RPM
INPUT PAM	71B5
OUTPUT TORQUE	345.60 N.m
NOMINAL TORQUE	435.00 N.m
NOMINAL POWER	0.47 KW
SERVICE FACTOR	1.27
DYNAMIC EFFICIENCY	0.94

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
1.05	1.1	1.25	1.25	1.35	1.5

Radial and Axial Loads



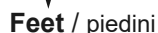
n_2 [min-1]	FA [N]	FR [N]
300	560	2800
200	640	3200
120	760	3800
15	1300	6500

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Gearbox weight peso riduttore	With flange	14.3 kg
	With feet	14.7 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

A see on page bottom

Most popular types
Tipi più diffusi

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

Front View Dimensions:

- Flange diameter: $\varnothing 67.5$
- Flange thickness: $p1$
- Mounting hole diameter: $\varnothing x$

Side View Dimensions:

- Total height: $a1$
- Height to mounting flange: $b1 \ 17$
- Mounting flange diameter: $\varnothing 61.5$ (with KC50.9.011)
- Mounting flange thickness: $f1$
- Distance from mounting flange to center of shaft: $c1$
- Shaft diameter: $\varnothing 26.1$
- Shaft length: $g6$
- Distance from mounting flange to end of shaft: 67.5
- Distance from mounting flange to center of shaft: 61.5 (with KC50.9.011)

Detail Y Dimensions:

- Distance from mounting flange to center of shaft: 8.5 (with KC50.9.011)
- Distance from mounting flange to end of shaft: 2.5
- Shaft diameter: $\varnothing d1$
- Shaft length: $h1$

***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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Technical drawing of the B14 motor flange, showing side and front views with dimensions.

Side View Dimensions:

- Overall length: 227.5
- Flange thickness: 9.6
- Shaft diameter: $\varnothing 35$ h6
- Shaft length: 70
- Flange diameter: $\varnothing 123$
- Flange hole diameter: $\varnothing 123$
- Flange hole pitch circle diameter: 181.5
- Flange hole diameter: N.5 M10x17
- Flange hole position: 65°
- Flange hole position: 50°
- Flange hole position: 10
- Flange hole position: 38
- Flange hole position: 15.5
- Flange hole position: 5
- Flange hole position: 60
- Flange hole position: 26.1
- Flange hole position: 12.5

Front View Dimensions:

- Overall diameter: $\varnothing 123$
- Flange hole diameter: N.5 M10x17
- Flange hole position: 65°
- Flange hole position: 50°
- Flange hole position: 10
- Flange hole position: 38
- Flange hole position: 15.5
- Flange hole position: 5
- Flange hole position: 60
- Flange hole position: 26.1
- Flange hole position: 12.5

Technical drawing of the M12x20 connector. The drawing shows a side view and a top view. The side view dimensions include a total length of 238.5, a mounting flange thickness of 35, a central body length of 124, a mounting hole diameter of 106 h8, and mounting hole spacing of 63 and 83. The top view shows a circular base with a diameter of 19 h6 and a central hole of 21.5. The drawing is labeled with 'M12x20' and 'M6x16'.

B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
63 B5	248	251.1	140	250.5	K063.4.041	256.5
71 B5	246	261.1	160	248.5	K063.4.042	254.5
80/90 B5	248	281.1	200	250.5	K063.4.043	256.5

B14 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011
71 B14	246	233.6	105	248.5	K063.4.047	254.5
80 B14	248	241.1	120	250.5	K063.4.046	256.5
90 B14	248	251.1	140	250.5	K063.4.041	256.5