

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	513A
Ø OUTPUT SHAFT	30 mm
APPROXIMATE RATIO	386
EXACT RATIO	386.33
OUTPUT SPEED	4 RPM
EXACT OUTPUT SPEED	4 RPM
INPUT POWER	0.12 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B5
OUTPUT TORQUE	297.24 N.m
NOMINAL TORQUE	326.00 N.m
NOMINAL POWER	0.13 KW
SERVICE FACTOR	1.08
DYNAMIC EFFICIENCY	0.94

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
1	0.9	1.129	1.15	1.45	1.4

Radial and Axial Loads



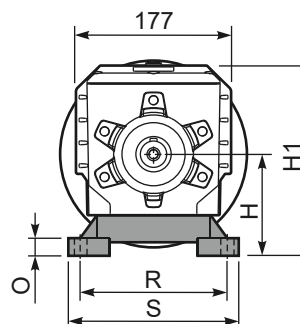
n_2 [min-1]	FA [N]	FR [N]
300	460	2300
200	520	2600
120	620	3100
15	1000	5000

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Gearbox weight peso riduttore	With flange	11.9 kg
	With feet	12.1 Kg



Feet Code	Market reference	G	H	R	L	S	H1	O	øI	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	211	20	11	-	-	KC50.9.024
B4	30/35	20	130	180	149.5	216	231	18	14	-	-	KC60.9.024
S4	47-57	30	115	135	165	170	216	25	14	-	-	KC50.9.022
H3	023-233	30	130	135	135	185	231	25	14	-	-	KC50.9.025
M2	52/3	30	110	135-150	100	190	211	18	11	-	-	KC50.9.023

 Most popular types
Tipi più diffusi

flange di uscita

Technical drawing of the output shaft assembly. The drawing includes a front view on the left showing a circular shaft with a central hole of diameter d_1 and a mounting flange with diameter p_1 . A side view on the right shows the shaft with a diameter of 2.5 and a total length of 8.5 with a tolerance of ± 0.011 for KC50.9.011. A detail view labeled 'Detail Y' shows the shaft with a diameter of 15 and a length of 51.5 with a tolerance of ± 0.011 for KC50.9.011. The detail view also shows a diameter of 57.5 and a length of 7.5 for the mounting flange. The main shaft has a diameter of 15 and a length of 51.5 with a tolerance of ± 0.011 for KC50.9.011. The main shaft has a diameter of 15 and a length of 51.5 with a tolerance of ± 0.011 for KC50.9.011. The main shaft has a diameter of 15 and a length of 51.5 with a tolerance of ± 0.011 for KC50.9.011.

Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	ø 30x60	8	33	M10x22
On request A richiesta	ø 24x50	8	27	M8x19
	ø 25x50	8	28	M8x19
	ø 28x60	8	31	M8x19
	ø 35x60	10	38	M10x22

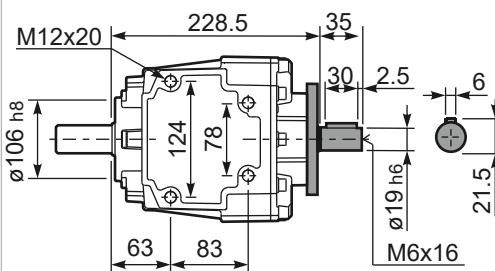
a1 ø	b1	c1	e1	f1	s1	kit code
160	110	14	130	3.5	11	KC50.9.011
200	130	13	165	3.5	11	KC50.9.012
250	180	15.5	215	4	14	KC50.9.013

With flange and feet only on request.
Ask for compatibility

Suggested B14 motor flanges

The drawing shows two views of the motor flange:

- Side View (Left):** Shows the profile of the flange. Key dimensions include:
 - Total width: 217.5
 - Flange thickness: 96
 - Shaft diameter: $\phi 30_{H6}$
 - Shaft length: 60
 - Internal thread: M10x22
 - Mounting hole diameter: 15.5
 - Distance from shaft center to mounting hole center: 50
 - Distance between mounting holes: 12
 - Distance from shaft center to flange face: 15
 - Overall height: 33
- Front View (Right):** Shows the circular face of the flange. Key dimensions include:
 - Outer diameter: $\phi 123$
 - Inner diameter: 69.5
 - Overall height: 170.5
 - Mounting hole size: N.5 M10x17
 - Angle between mounting holes: 65° and 50°



B5 Motor Flanges	A	C _{max}	g6	k1	kit code	k1 with KC50.9.011
63 B5	238	215	140	240.5	K063.4.041	246.5
71 B5	236	225	160	238.5	K063.4.042	244.5
80/90 B5	238	245	200	240.5	K063.4.043	246.5

B14 Motor Flanges	A	C_{max}	g6	k1	kit code	k1 with KC50.9.011
71 B14	236	197.5	105	238.5	K063.4.047	244.5
80 B14	238	205	120	240.5	K063.4.046	246.5
90 B14	238	215	140	240.5	K063.4.041	246.5