

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	512A	
Ø OUTPUT SHAFT	31	mm
APPROXIMATE RATIO	26	
EXACT RATIO	24.98	
OUTPUT SPEED	56	RPM
EXACT OUTPUT SPEED		RPM
INPUT POWER	0.55	KW
INPUT ROTATION	1400	RPM
INPUT PAM	80B14	
OUTPUT TORQUE	89.96	N.m
NOMINAL TORQUE	250.00	N.m
NOMINAL POWER	1.5	KW
SERVICE FACTOR	2.73	
DYNAMIC EFFICIENCY	0.96	

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.7	0.8	1.15	1.2	1.15	1.25

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	11.7 kg
	With feet	11.9 Kg



Feet Code	Market reference	G	H	R	L	S	H1	O	Øl	S2 only with motor flange	B5 max. Flange	kit code
B3	312/3	18	110	160	130	190	211	20	11	10 100/112B5 35 132B5	-	KC50.9.024
B4	30/35	20	130	180	149.5	216	231	18	14	15 132B5	-	KC60.9.024
S4	47-57	30	115	135	165	170	216	25	14	5 100/112B5 30 132B5	-	KC50.9.022
H3	023-233	30	130	135	135	185	231	25	14	15 132B5	-	KC50.9.025
M2	52/3	30	110	135-150	100	190	211	18	11	10 100/112B5 35 132B5	-	KC50.9.023

 Most popular types
Tipi più diffusi

***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

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

Side View Dimensions:

- Overall length: 209
- Flange thickness: 9.6
- Flange diameter: $\phi 123$
- Motor flange label: Suggested B14 motor flanges
- Shaft diameter: $\phi 30$ h6
- Shaft thread: M10x22
- Shaft key width: 8
- Shaft key height: 33
- Flange mounting hole diameter: 15.5
- Flange mounting hole spacing: 50
- Flange mounting hole depth: 5
- Flange mounting hole diameter: 60
- Flange mounting hole spacing: 12
- Flange mounting hole diameter: 5.3

Front View Dimensions:

- Overall diameter: 170.5
- Flange mounting hole diameter: 69.5
- Flange mounting hole spacing: 65°
- Flange mounting hole spacing: 50°
- Flange mounting hole diameter: N.5 M10x17

Technical drawing of the M6x16 bearing housing. The drawing includes two views: a front view (top) and a side view (bottom). Dimensions are provided in millimeters.

- Front View Dimensions:**
 - Total width: 221
 - Distance from left edge to centerline: 63
 - Distance from centerline to right edge: 83
 - Inner diameter: $\varnothing 106 \text{ h}8$
 - Outer diameter: $\varnothing 124$
 - Internal hole diameter: $\varnothing 78$
 - Bore diameter: M12x20
- Side View Dimensions:**
 - Total height: 50
 - Distance from top flange to bottom flange: 40
 - Distance from bottom flange to base: 5
 - Base diameter: $\varnothing 24 \text{ h}6$
 - Mounting screw: M6x16
 - Screw head diameter: 8
 - Overall height including screw head: 27

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