

Technical Data Sheet
Gearbox
INLINE GEARBOX



MODEL	512A
Ø OUTPUT SHAFT	30 mm
APPROXIMATE RATIO	25
EXACT RATIO	24.98
OUTPUT SPEED	58 RPM
EXACT OUTPUT SPEED	58 RPM
INPUT POWER	1.50 KW
INPUT ROTATION	1400 RPM
INPUT PAM	90B14
OUTPUT TORQUE	245.36 N.m
NOMINAL TORQUE	250.00 N.m
NOMINAL POWER	1.5 KW
SERVICE FACTOR	1.00
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]	F_A [N]	F_R [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	øI	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

The technical drawing illustrates the output shaft assembly with three main views:

- Front View (Left):** Shows a circular shaft with diameter $\varnothing p1$. A feature is located at distance x from the center.
- Side View (Right):** Shows the shaft's profile with various dimensions:
 - Total length: $a1$
 - Distance from end face to first step: $b1$
 - Step height: $f7$
 - Shaft diameter at this section: $\varnothing 57.5$
 - Distance between steps: $c1$
 - Second step height: $f1$
 - Internal thread specification: $M5 \times 0.8$
 - Flange outer diameter: $\varnothing 96$
 - Keyway width: $k1$
 - Internal bore diameter: $\varnothing 53$
- Detail Y (Circular Detail):** An enlarged view of the keyway area showing:
 - Overall width: 8.5 with KC50.9.011 tolerance.
 - Keyway depth: 2.5
 - Inner diameter: $d1$
 - Outer diameter: $h1$

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

R512A-N... Input Shaft
Albero in entrata



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