

MULTIBLOC 2000

Worm and wheel geared motor

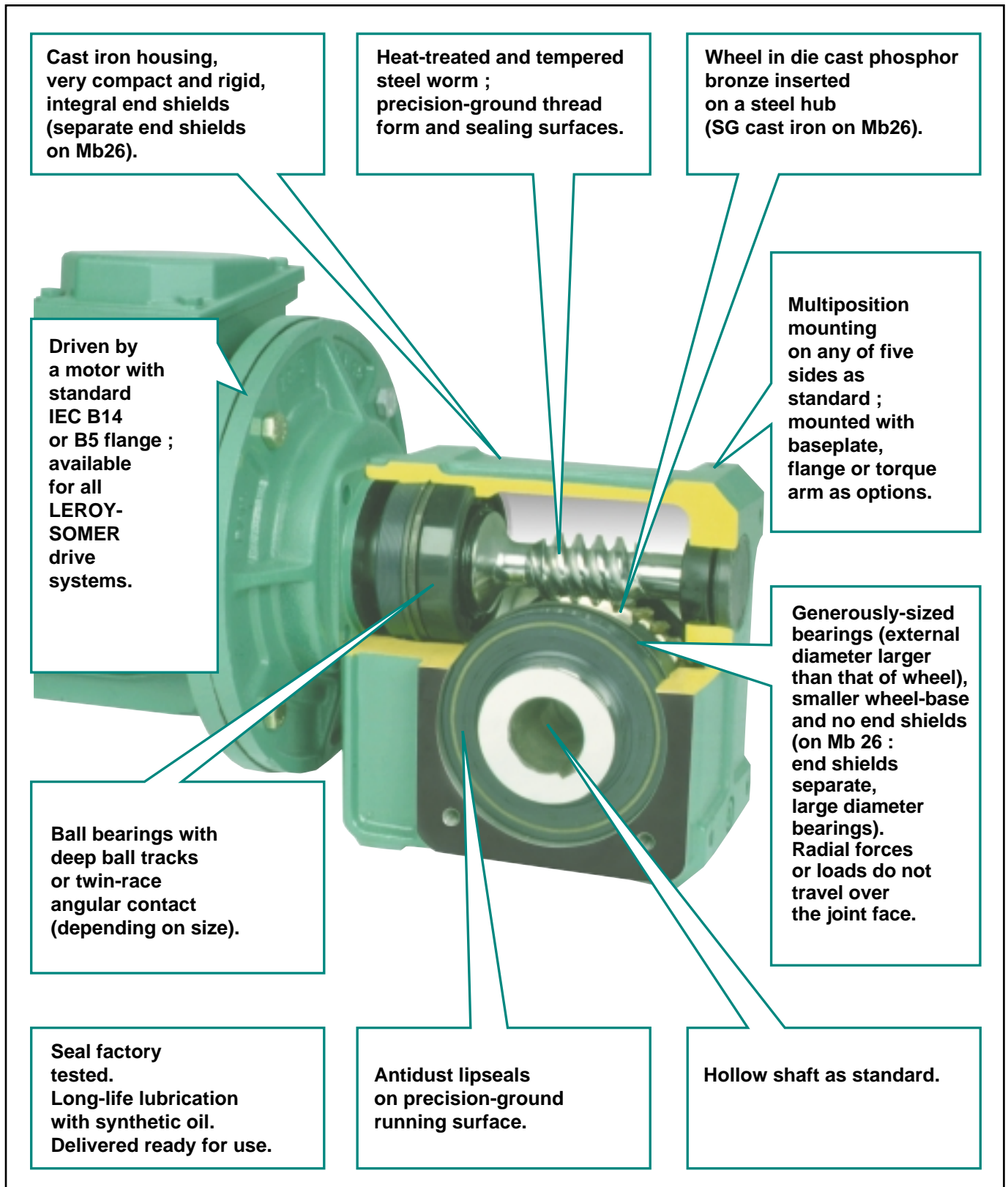
MULTIBLOC 2000

Versatile, maintenance-free, hollow output shaft geared motor

Available in 6 sizes up to 9 kW
14 reduction ratios 1/5 to 1/100

(up to 2400 with combined gearbox)

For industrial applications



Selection

Multibloc (Mb) gearbox : NU form, with NS baseplate, or with BS, BN, BD flange

Induction motors : LS 4-pole, IP 55, 50 Hz, class F

- multi-voltage : 220/380 V - 230/400 V - 240/415 V from 0,18 to 9 kW
 - other voltages : 380 V Δ - 400 V Δ - 415 V Δ from 4 to 9 kW

Brake motors : LS induction type FCR, FCO, FAP or FAST, 4-pole, 50 Hz, class F

FCR : multi-voltage : from 0,18 to 5,5 kW FCO : multi-voltage : from 7,5 to 9 kW

FAP : multi-voltage : from 0,18 to 9 kW FAST : multi-voltage : from 0,18 to 1,8 kW

Universal mounting **MU**

Input shaft mounting **AP**

Class I
(K_p=1)

7 to 275 min⁻¹

LS series motors, IM 3601 (IM B14) IEC (or "B5 option") : power kW³

Output speed min ⁻¹	Exact reduction	Type of 4-pole 3-phase motor and frame size														
		0,18	0,25	0,37	0,55	0,75	0,9	1,1	1,5	1,8	2,2	3	4	5,5	7,5	9
7,0	100															
8,8	80															
11,7	60															
14,3	100															
17,9	80															
23,8	60															
28,6	50															
31,8	45															
35,8	40															
47,7	30															
56,1	25,5 ¹															
71,5	20 ¹															
95,3	15 ¹															
124,3	11,5 ¹															
138,8	10,3 ¹															
195,9	7,3 ¹															
275,0	5,2															

1. Exact reduction : Mb 25 = 20,5 and 15,5 - Mb 24 = 19,4 and 14,5 - Mb 31 = 25 ; 12,5 ; 10 and 7,5.
 2. Motor with frame size 80 mounted on MB 3101 with flange B14 and standard IEC shaft extension for motor with frame size 71.
 3. Depending on your selection, shaft extensions and motor flanges may be < or > the IEC size.

LS brake motors B14 IEC (or "B5 option")		Type of LS 4-pole 3-phase motor and frame size											
FCR		71	80	90	100	112	132						
FCO													132
FAST		71	80	90									
FAP		71	80	90	100	112	132						

		Type of LS 8-pole 3-phase motor and frame size											
FCR		80	90	100	100	112							
FCO													132
FAP		80	90	100	100	112							132

The types of 8-pole motors and associated gearboxes are in **bold italics**.

Possible configurations

- Gearbox for motor with IEC B5 or B14 flange or with AP input shaft.
- Geared motor with or without brake and 1 (or 2) fixed speed(s), arrangement for special purpose motors, combined gearbox for low speeds.
- Variable speed geared motor.

OPTIONS :

- Integral torque limiter (for Mb 22 only),
- fast shaft on gearbox.

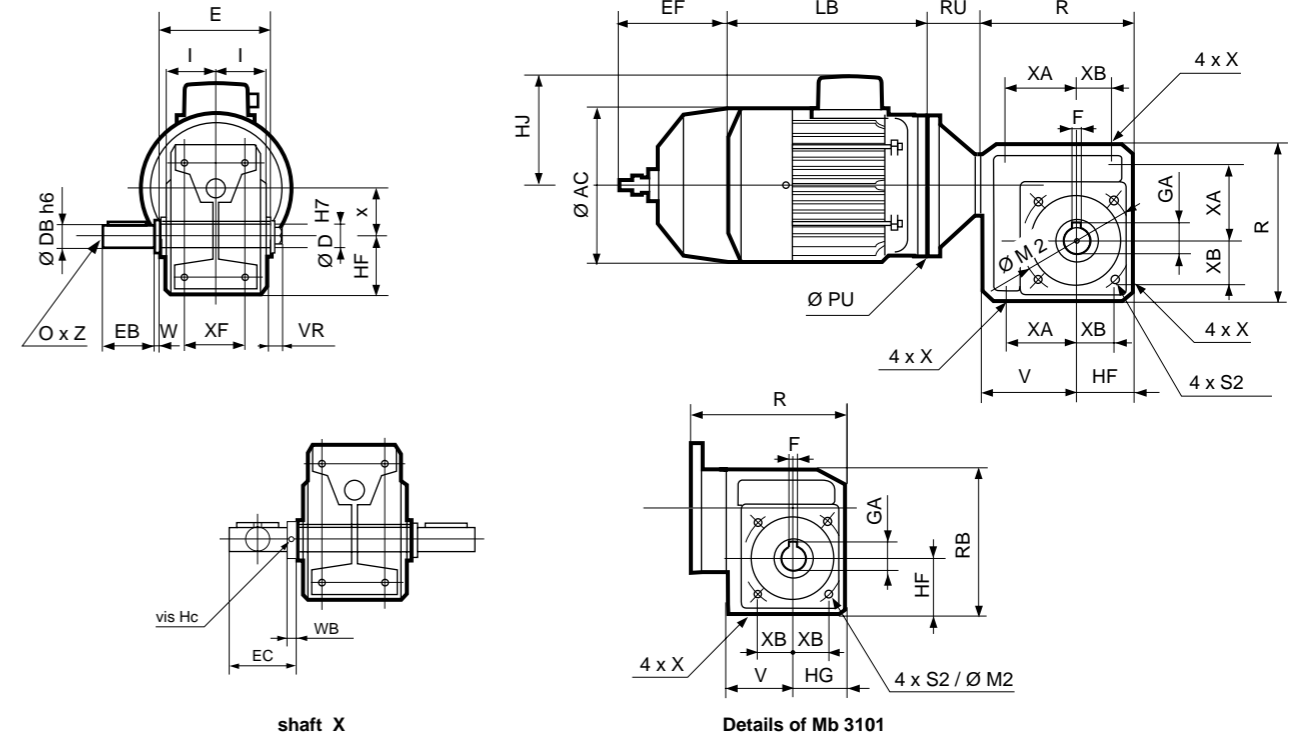


Combined geared motor for low speeds

Dimensions

Multibloc geared motors, MU universal mounting, with IM 3601 (IM B14) motor
 NU standard form, H (C) hollow shaft, HL (G), HR (D) or HLR (X) solid shaft, Mb 3101, Mb 2201 - Mb 2601

Dimensions in millimetres



Type of Multibloc	Main dimensions												
	D	E	HF	I	M2	R	S2	V	x	X	XA	XB	XF
Mb 2601	50	188	100	93,5	- ¹	260	- ¹	160	100	M14 x 20	125	65	100
Mb 2501	45	168	90	78	180	225	M12 x 20	135	80	M12 x 20	110	65	90
Mb 2401	35	138	75	64	130	190	M10 x 15	115	63	M10 x 15	101	61	86
Mb 2301	30	118	63	54	115	160	M8 x 12	97	55	M8 x 12	77	43	70
Mb 2201	25	108	56	49	105	140	M8 x 12	84	45	M8 x 12	67	38	60
Mb 3101²	20	90	50	41	85	120	M8 x 12	50	40	M8 x 12	- ²	31,5	63

1. Option for Mb 26. 2. See Mb 3101 for details : HG = 45 and RB = 127 (drill holes on side S3 on request).

Type of Multibloc	Hollow output shaft : H (C)					Solid output shaft : HR (D), HL (G) or HLR (X)										
	D	E	F	GA		VR	Hc screw	WB	DB	EB	EC	F	GA	O	Z	W
Mb 2601	50	188	14	53,8		16	M 5	8	50	100	105	14	53,5	M16	36	5
Mb 2501	45	168	14	48,8		16	M 5	8	45	90	95	14	48,5	M16	36	5
Mb 2401	35	138	10	38,3		12	M 5	8	35	70	75	10	38	M12	28	5
Mb 2301	30	118	8	33,3		10	M 5	8	30	60	65	8	33	M10	22	5
Mb 2201	25	108	8	28,3		10	M 5	8	25	50	55	8	28	M10	22	5
Mb 3101	20	90	6	22,8		6,5	M 4	8	20	40	45	6	22,5	M 6	16	5

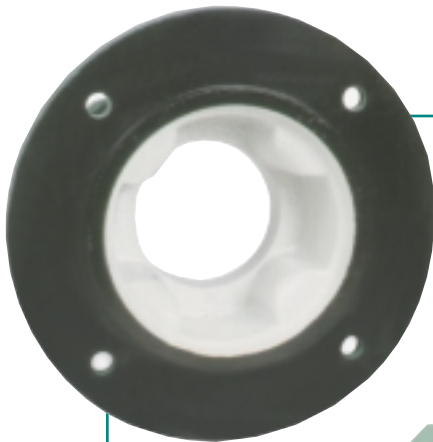
Motor dimensions (B14)

Frame size	LS 3-phase motor			Brake				Gearbox											
	AC	HJ	LB	FCR J02	FCO	FAP	FAST	3101	2201	2301	2401	2501	2601						
71	140	130	183	62	-	181	46	-	105	30	105	35	105	50	120 ¹	50	120 ¹	-	-
80	170	130	215	50	-	142	51	-	105 ²	32	120	36	120	50	120	50	120	-	-
90	190	138	245	59	-	141	25	-	-	32	120 ²	38	140	50	140	50	140	-	-
100	200	152	290	59	-	191	-	-	-	-	-	35	140 ²	50	160	50	160	-	-
112	235	152	315	-	-	228	-	-	-	-	-	35	140 ²	50	160	50	160	-	-
132	280	201	387	-	-	283	241	-	-	-	-	-	-	50	160 ²	50	160 ²	51	250

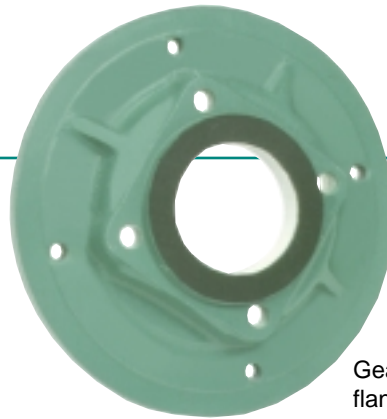
1. Warning : motor with larger IEC flange and shaft extension
 2. Warning : motor with smaller IEC flange and shaft extension

MULTIBLOC 2000

The modular gearbox supplied as a kit...
for maximum adaptability from a minimum of stock



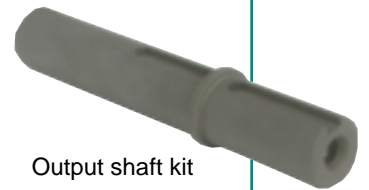
Gearbox output
flange kit
(Mb 26 excepted :
bearing)



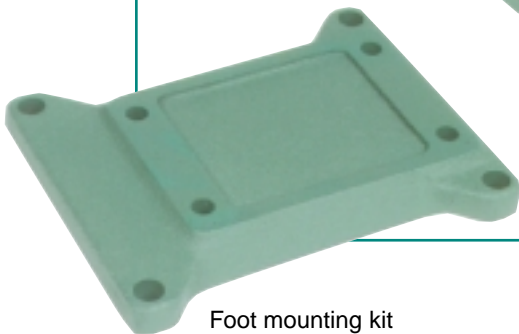
Gearbox input
flange kit : B14 or B5
(Mb 31 excepted)



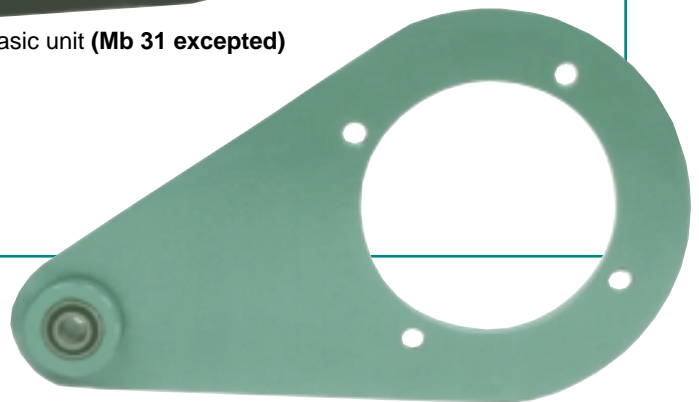
Basic unit (Mb 31 excepted)



Output shaft kit



Foot mounting kit
(Baseplate Mb 31 excepted)



Torque arm kit (Mb 26 excepted)