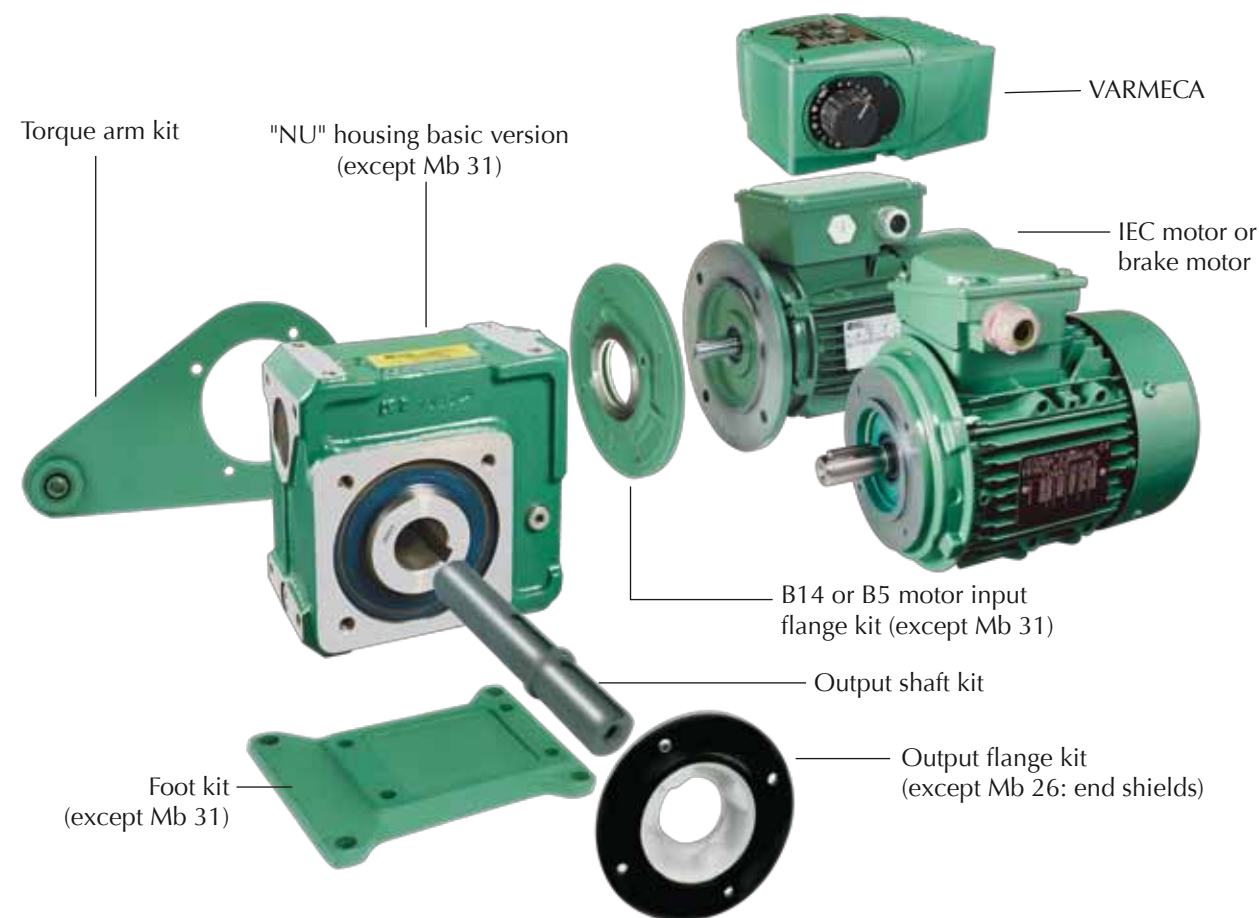
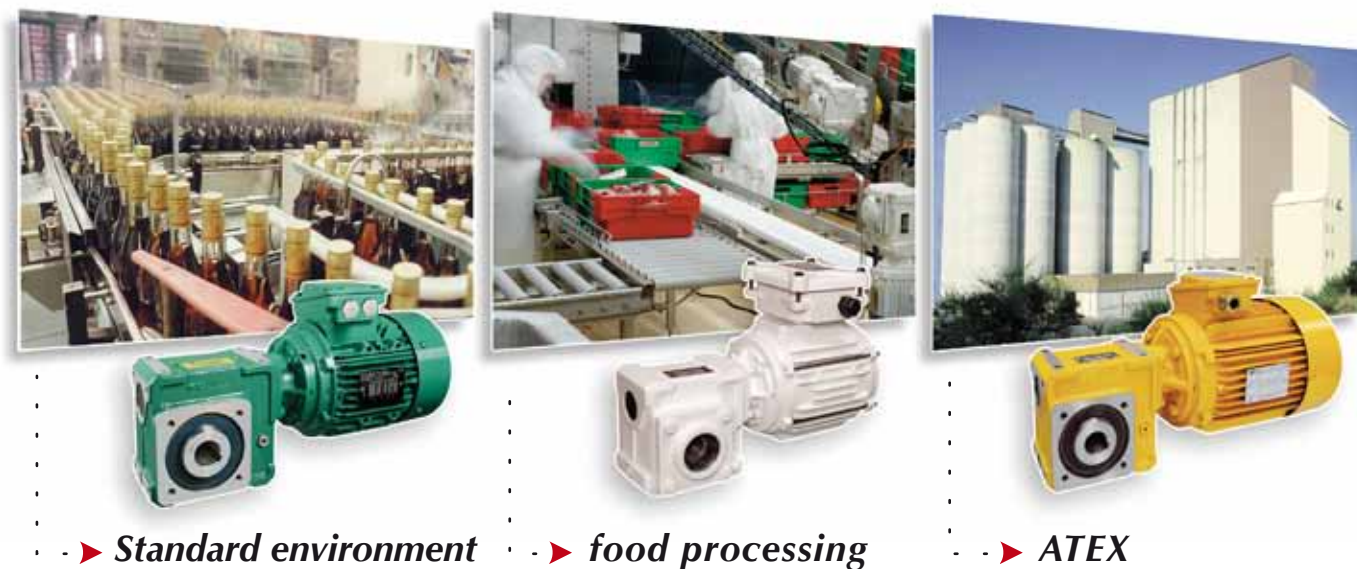


MULTIBLOC

Modular geared motor can be supplied in kit form for maximum adaptability with minimum stock...



Solutions designed and approved for all environments



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LEROY SOMER®

**Worm geared motor
MULTIBLOC**

3625 en - 2012.07 / e

MULTIBLOC

Available in 6 sizes up to 9 kW
13 reduction ratios, 1/5 to 1/100
(up to 2400 in combined gearbox)

Factory tested
Supplied
ready
to use

Deep groove or double row angular contact ball bearings (according to size)

Multiposition mounting on five faces as standard; foot, flange or torque arm as an option

Cast iron housing, very compact and rigid, integrated end shields (added-on end shields on Mb26)

Tempered steel worm, ground sealing surfaces and threads

Large bearing design
(external Φ greater than that of the wheel)
resulting in High permissible radial loads
(Mb 26 excluded due to bolt on endshield)

Die-cast phosphor bronze wheel inserted on steel hub
(GS cast iron on Mb26)

Drive by flanged motor to IEC standard B14 (IM 3601) or B5 (IM 3001) available with all Leroy-Somer drive systems

Dustproof lipseal on ground surface

Sealing tested in the factory
Long-lasting lubrication with synthetic oil

Through as standard



Hollow shaft geared motor, multiposition, maintenance-free, for industrial applications

Selection

Multibloc (Mb) gearbox: form NU, foot mounted NS, or flange mounted BS, BN, BD
Induction motors: LS, LSES 4-pole, IP 55, 50 Hz, class F
- Multivoltage: 220/380 V - 230/400 V - 240/415 V from 0.25 to 9 kW
- Other voltages: 380 V D - 400 V D - 415 V D from 4 to 9 kW
Brake motors: LS induction type FCR, 4-pole, 50 Hz, IP55, class F
FCR: Multivoltage: from 0.25 to 9 kW

Universal mounting **MU**

Input shaft mounting **AP**

Class I
($K_p=1$)

In bold italics, types of 8-pole motors and associated gearboxes.
1. 3101 < LS 71, 80: B14 FT 85, ba 14 x 30 are compulsory. 2. 2201 < LS 90: B5 FF 130, ba 19 x 40 are compulsory. 3. 2301 < LS 100: B5 FF 165, ba 24 x 50 are compulsory.
4. 2401 > LS 80: B14 FT 100, ba 19 x 40 are compulsory. 5. 2501 < 2601 < LS 132: B5 FF 165, ba 28 x 60 are compulsory.

Exact reductions

Type	Reduction indices												
	100	80	60	50	40	30	25,5	20	15	11,5	10,3	7,3	5,2
Mb 2601	100	80	60	50	40	30	25,5	20,5	15,5		10,3	7,5	
Mb 2501	100	80	60	50	40	30	25,5	20,5	15,5		10,3	7,25	
Mb 2401	100	80	60	50	40	30	25,5	19,5	14,5		10,3	7,25	
Mb 2301	100	80	60	50	40	30	25,5	20	15	11,5	10,3	7,5	5,2
Mb 2201	100	80	60	50	40	30	25,5	20	15	11,5	10,3	7,33	
Mb 3101	100	80	60	50	40	30	25	20	15	12,5	10	7,5	

Possible configurations

- Gearbox for IEC B5 (IM 3001) or B14 (IM 3601) flange mounted motor, or motor with AP input shaft
- Geared motor with or without brake with 1 or 2 fixed speeds, configuration for motors of suitable series, combined gearbox for low speed
- Variable speed geared motor

Options
- Torque arm
- High speed shaft on gearbox



Servo gearbox for application requiring highly compact design and high dynamics



Drive system with VARMECA integrated variable speed drive

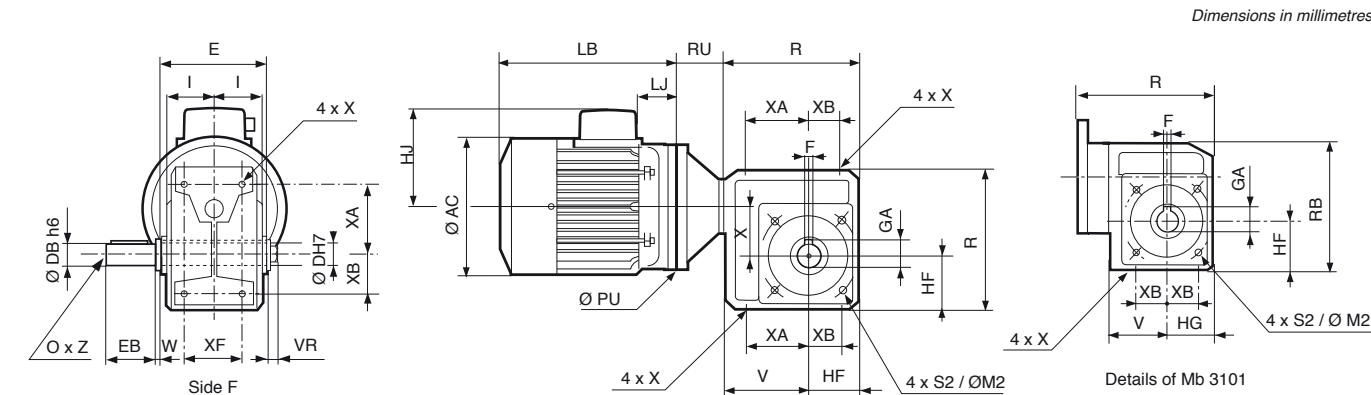


Drive system with LSMV variable speed motor and centralised control with variable speed drive

Gearhead

Dimensions

Multibloc geared motors (Mb), MU universal mounting with IM 3601 (IMB14) or IM 3001 (IMB5) motor
NU standard form, H hollow shaft, HL, HR or HLR solid shaft, Mb 3101, Mb 2201 to Mb 2601



Gearboxes NU																Weight kg
Type	D	E	F	GA	HF	I	M2	R	S2	V	x	X	XA	XB	XF	
Mb 2601	50	188	14	53,8	100	93,5	- ¹	260	- ¹	160	100	M14 x 20	125	65	100	37
Mb 2501	45	168	14	48,8	90	78	180	225	M12 x 20	135	80	M12 x 20	110	65	90	31
Mb 2401	35	138	10	38,3	75	64	130	190	M10 x 15	115	63	M10 x 15	101	61	86	17,5
Mb 2301	30	118	8	33,3	63	54	115	160	M8 x 12	97	55	M8 x 12	77	43	70	10,5
Mb 2201	25	108	8	28,3	56	49	105	140	M8 x 12	84	45	M8 x 12	67	38	60	8
Mb 3101 ²	20	90	6	22,8	50	41	85	120	M8 x 12	54,5	40	M8 x 12	- ²	31,5	63	5

1. Option for Mb 26 BT : M2 = 165, S2 = 6 x M10 x 15. 2. See details of Mb 3101 : HG = 45 and RB = 127 (drilled on front face F (S3) on request), XA does not exist

Solid output shaft: HR, HL											Hollow output shaft: H			
Type	VR	W	DBh6	EB	EC	F	GA	O	Z	W	DH7	E	F	GA
Mb 2601	16	5	50	100	105	14	53,5	M16	36	5	50	188	14	53,8
Mb 2501	16	5	45	90	95	14	48,5	M16	36	5	45	168	14	48,8
Mb 2401	12	5	35	70	75	10	38	M12	28	5	35	138	10	38,3
Mb 2301	10	5	30	60	65	8	33	M10	22	5	30	118	8	33,3
Mb 2201	10	5	25	50	55	8	28	M10	22	5	25	108	8	28,3
Mb 3101	6,5	5	20	40	45	6	22,5	M6	16	5	20	90	6	22,8

Induction motors, IEC B14 (IM 3601) brake and gearboxes																	
LS, LSES 3-phase B14					LS and FCR brake ¹ B14					Gearboxes							
Weight					Weight					3101		2201		2301		2401	
AC	HJ	LB	LJ	kg	AC	HJ	LB	LJ	kg	RU ⁴	PU	RU	PU	RU	PU	RU	PU
LS 71	140	99	193	21	9	140	135	245	13	12	-	105	31	105	35	105	50
LSES 80	183	130	215	26	13,5	172	146	265	11	20	-	105 ³	33	120	36	120	50
LSES 90	190	138	245	26	16,4	184	156	304	13	26	-	-	33	120 ³	38	140	50
LSES 100	235	152	290	26	27,5	200	161	351	21	31,8	-	-	-	-	35	140 ³	50
LSES 112	235	152	315	26	36,8	235	169	396	23	42,8	-	-	-	-	38	140 ³	50
LSES 132	265	190	412	17	71,5	280	188	493	25	76,8	-	-	-	-	-	50	160 ³

1. FCR J01 to J03. 2. Caution: motor with larger IEC flange and shaft extension 3. Caution: motor with smaller IEC flange and shaft extension
4. For Mb 3101, input flange integrated with the housing, i.e. V + RU = 75

Induction motors, IEC B5 (IM 3001) brake and gearboxes																	
LS, LSES 3-phase B5					LS and FCR brake ¹ B5					Gearboxes							
Weight					Weight					2201		2301		2401		2501	
AC	HJ	LB	LJ	kg	AC	HJ	LB	LJ	kg	RU	PU	RU	PU	RU	PU	RU	PU
LS 71	140	109	193	21	11,3	140	135	271	38	14	24	160	24	160	50	200 ²	50
LSES 80	183	135	247	26	14,7	172	146	292	38	21,2	31	200	31	200	50	200	59
LSES 90	190	135	265	46	18,2	184	156	324	33	27,2	31	200 ³	31	200	50	200	59
LSES 100	235	140	309	26	28,7	200	161	388	50	33	-	-	31	200 ³	50	250	51
LSES 112	235	149	315	26	38	235	169	425	49	44,6	-	-	31	200 ³	50	250	51
LSES 132	265	190	452	57	71	280	188	532	65	78,5	-	-	-	-	50	250 ³	-

1. FCR J01 to J03. 2. Caution: motor with larger IEC flange and shaft extension 3. Caution: motor with smaller IEC flange and shaft extension

