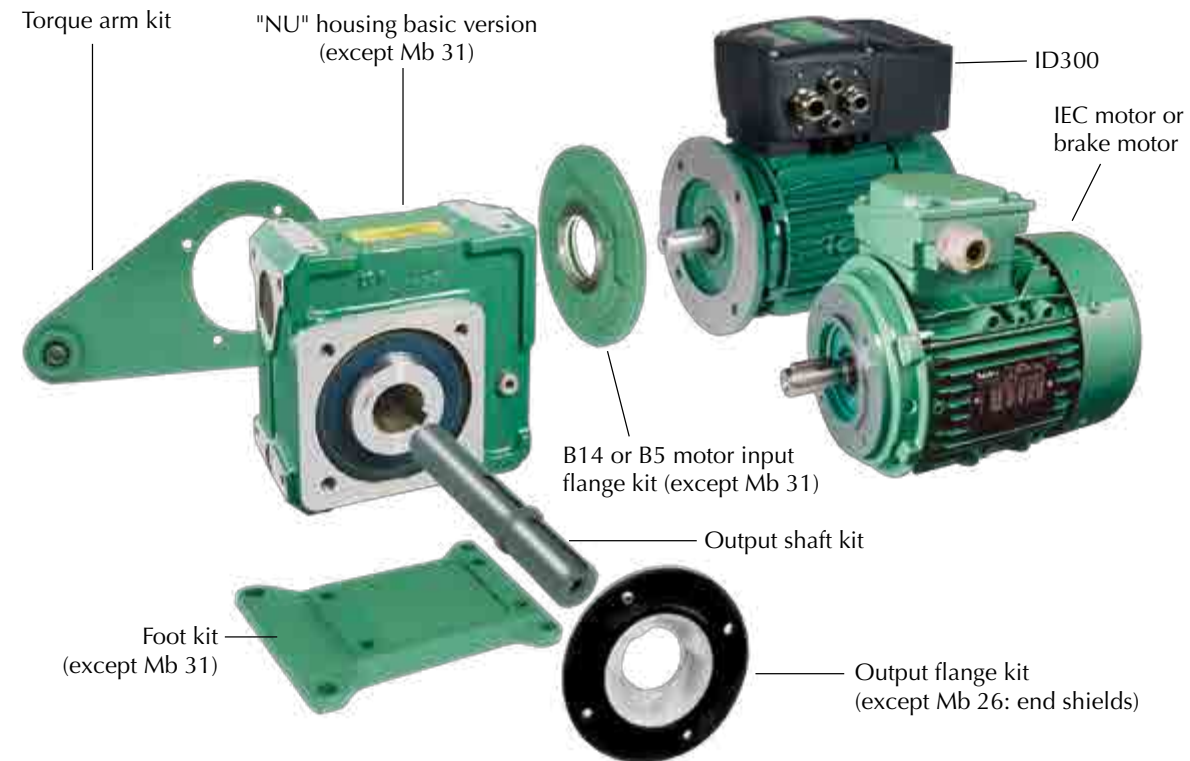


MULTIBLOC

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



Solutions designed and approved for all environments



LEROY-SOMER™

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Nidec
 All for dreams

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3625 en - 2017.12 / g



LEROY-SOMER™

Worm geared motor

Nidec
 All for dreams

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)

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

Through as standard

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

Selection

Universal mounting MU

Input shaft mounting AP

Multibloc (Mb) gearbox: form NU, foot mounted NS, or flange mounted BS, BN, BD

IMfinity® induction motors: LS, LSES 4-pole, IP55, 50 Hz, class F

- multivoltage: 230V Δ / 380 V Y / 400 V Y / 415 V Y - 460 V Y or 400 V Δ

Moteurs asynchrones IMfinity® inductions brake motors FFB: LS, LSES 4-pole, IP55, 50 Hz, class F

- Brake torque : 3 up to 110 N.m

P _n (kW)	MULTIBLOC Mb3101, Mb 2000 geared motors													
	4p IMfinity® motors: 0,25 up to 9 kW IM B14 or IM B5													
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	
IE3	71 M	71 M	71 L	80 LG	90 SL	90 LU	100 L	100 LR	100 LG	112 MU	132 SM	132 MU	160 MR	
IE2	71 M	71 M	71 L	80 LG	90 SL	90 L	90 LU	100 L	100 LR	112 MU	132 SU	132 M	132 M	
NS														
14,3		Mb 23	Mb 24											
17,9														
23,8		Mb 22												
28,6														
35,8														
47,7														
56,1														
71,5														
95,3														
124														
139														
195														
275														
P _n	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
NIE FFB	71 M FFB1	71 L FFB1	80 L FFB1	90 SL FFB2	90 LU FFB2	100 L FFB2	100L FFB3	112 MG FFB3	132 S FFB3	132 M FFB4	132 M FFB4	160 MR FFB4		
IE3 FFB	71 M FFB1	71 L FFB1	80 LG FFB1	90 SL FFB2	90 LU FFB2	100 L FFB2	100 LG FFB3	112 MU FFB3	132 SM FFB4	132 MU FFB4	160 MR FFB4			

Exact reductions

	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



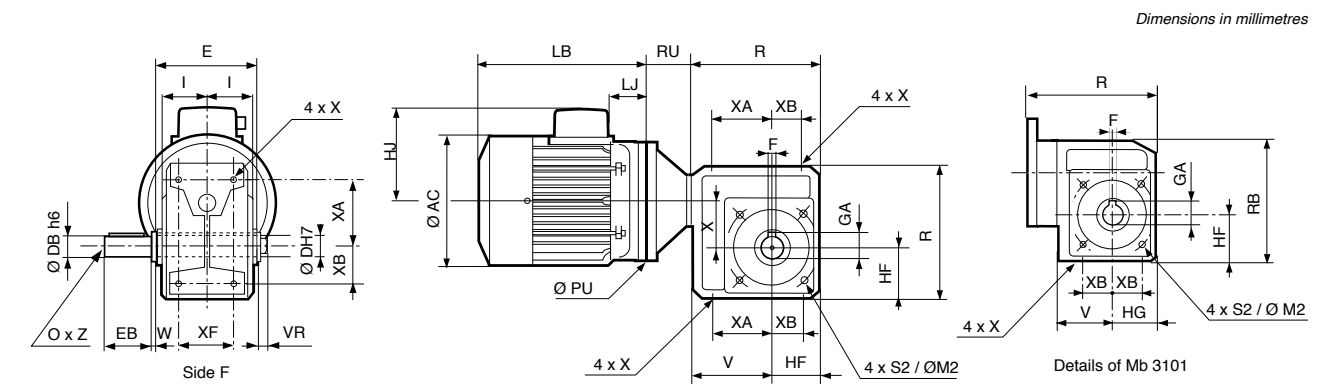
Drive system with I0300 integrated variable speed drive



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

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



Type	Gearboxes NU													Weight kg		
	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	-7	260	-7	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

Type	Solid output shaft: HR, HL							Hollow output shaft: H						
	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

Frame size	Induction motors, IEC B14 (IM 3601) brake and gearboxes																						
	IMfinity® 4-pole 3ph MUT induction motors					FFB MUT brake motors					Gearboxes												
	AC	HJ	LB	LJ	Weight kg	Brake type	AC	HJ	LB	LJ	Weight kg	3101	2201	2401	2501	2601							
LS 71 L	140	109	194	23,5	8,3	FFB1	140	130	286	12	11,3	-	105	31	105	35	105	50	120	50	120	-	-
LSES 80 LG	189	135	247	26	14,1	FFB1	189	151	389	13,5	17,1	-	105	33	120	36	120	50	120	50	120	-	-
LSES 90 LU	189	135	276	26	20,4	FFB2	189	151	389	13,5	26,6	-	-	33	120	38	140	50	140	50	140	-	-
LSES 100 LR	200	140	309	27	25,8	FFB2	200	156	437	13,5	32	-	-	-	-	35	140	50	160	50	160	-	-
LSES 112 MU	235	149	332	36	37	FFB3	235	165	448	23,5	43,6	-	-	-	-	38	140	50	160	50	160	-	-
LSES 132 MU	272	190	412	17	62,6	FFB4	272	186	596	25,5	77,1	-	-	-	-	-	50	160	50	160	51	250	-
LSES 160 MR	272	190	495	59	77,8	FFB4	272	186	671	67,5	92,3	-	-	-	-	-	-	50	160	50	160	50	160

Values given for information

Frame size	Induction motors, IEC B5 (IM 3001) brake and gearboxes																						
	IMfinity® 4-pole 3ph MUT induction motors					FFB MUT brake motors					Gearboxes												
	AC	HJ	LB	LJ	Weight kg	Brake type	AC	HJ	LB	LJ	Weight kg	2201	2301	2401	2501	2601							
LS 71 L	140	109	194	23,5	8,3	FFB1	140	130	286	12	11,3	24	160	24	160	50	200	50	200	-	-		
LSES 80 LG	189	135	267	26	14,1	FFB1	189	151	409	33,5	17,1	31	200	31	200	50	200	50	200	50	200	59	200
LSES 90 LU	189	135	296	26	20,4	FFB2	189	151	409	33,5	26,6	31	200	31	200	50	200	50	200	50	200	59	200
LSES 100 LG	235	149	352	36	37	FFB3	235	165	413	13,5	37,6	-	-	31	200	50	250	50	250	50	250	51	250
LSES 112 MU	235	149	336	36	37	FFB3	235	165	448	23,5	43,6	-	-	31	200	50	250	50	250	50	250	51	250
LSES 132 MU	272	190	452	57	62,6	FFB4	272	186	636	65,5	77,1	-	-	-	-	50	250	50	250	50	250	-	-

Values given for information