

Geared motors IMfinity®

Helical gears COMPABLOC, MANUBLOC, ORTHOBLOC

Standard environment

Integral mounting	MI
Universal mounting	MU
Input shaft mounting	AP

AVAILABILITY TIMES EX WORKS (FRANCE), IN WORKING DAYS

Orders received, within the maximum quantity limit, by the factory on day D before 12:00 pm Central European Time, will have the following Availability. For products with options, availability will be that of the longest lead-time item, i.e: the product or its options. If the order is received after 12:00 pm, 1 working day will be added to the stated lead time. The maximum quantity is per line of order. Above this maximum quantity, please consult your Sales Office.

D	D + 1	D + 2	D + 5	D + 10	D + 15	Please consult
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230 V Δ / 380 V Y / 400 V Y / 415 V Y 50 Hz - 460 V Y 60 Hz
 380 V Δ / 400 V Δ / 415 V Δ / 690 V Y 50 Hz - 460 V Δ 60 Hz

Type	IE	Mounting	Rated power <i>P_n</i> kW	400 V	Cb 30-	Cb 31- Ot 31- Mub 31-	Cb 32- Ot 32-, 33- Mub 32-	Cb 33- Ot 34- Mub 33-	Cb 34- Ot 35- Mub 34-	Cb 35- - Mub 35-	Cb36*- Cb37*- Cb38*-	Mub36*- Mub37*- Mub38*-	Ot36*- Ot37*- Ot38*-	Ot 39-
					5	5	5	5	5	5	5	5	1	1
LS 56 M	NC	MI or MU	0.06	Y	5									
LS 56 M	NC	MI or MU	0.09	Y	5									
LSES 63 M	IE2	MI or MU	0.12	Y	5	5								
LSES 63 M	IE2	MI or MU	0.18	Y	5	5								
LSES 71 M	IE2	MI or MU	0.25	Y	5	5	5	5						
LSES 71 M	IE2	MI or MU	0.37	Y	5	5	5	5						
LSES 71 LR	IE2	MI or MU	0.55	Y	5	5	5	5						
LSES 80 LG	IE3	MI or MU	0.75	Y	5	5	5	5	5	5				
LSES 80 LG	IE3	MI or MU	0.9	Y	5	5	5	5	5	5				
LSES 90 SL	IE3	MI or MU	1.1	Y		5	5	5	5	5	1	1	2	
LSES 90 LU	IE3	MI or MU	1.5	Y		5	5	5	5	5	1	1	2	
LSES 100 L	IE3	MI or MU	1.8	Y		5	5	5	5	5	1	1	2	
LSES 100 LR	IE3	MI or MU	2.2	Y		5	5	5	5	5	1	1	2	
LSES 100 LG	IE3	MI or MU	3	Y		5	5	5	5	5	1	1	2	
LSES 112 MU	IE3	MI or MU	4	Y			5	5	5	5	1	1	2	
LSES 132 SM	IE3	MI or MU	5.5	Y			5	5	5	5	1	1	2	
LSES 132 M	IE3	MI or MU	7.5	Δ			5	5	5	5	1	1	2	
LSES 160 MR	IE3	MI or MU	9	Δ				5	5	5	1	1	2	
LSES 160 M	IE3	MI or MU	11	Δ				2	2	2	1	1	2	
LSES 160 LUR	IE3	MI or MU	15	Δ				2	2	2	1	1	2	
LSES 180 M	IE3	MI or MU	18.5	Δ				1	1	1	1	1	1	
LSES 180 LUR	IE3	MI or MU	22	Δ				1	1	1	1	1	1	
LSES 200 LU	IE3	MI or MU	30	Δ				1	1	1	1	1	1	
LSES 225 SR	IE3	MI or MU	37	Δ							1	1	1	
LSES 225 MG	IE3	MU	45	Δ							1	1	1	
LSES 250 ME ¹	IE3	MU	55	Δ							1	1	1	
LSES 280 SD ¹	IE3	MU	75	Δ							1	1	1	
LSES 280 MD ¹	IE3	MU	90	Δ							1	1	1	
LSES 315 SP ¹	IE3	MU	110	Δ							1	1	1	

1. motor B35 obligatory NC: not concerned by IE Standards

	Size	* i feasible on consultation																													
		Cb 36	Cb 37	Cb 38	Ot 36	Ot 37	Ot 38	Mub 36	Mub 37	Mub 38	3.21	3.64	3.88	4.34	4.91	5.56	6.15	6.86	7.71	9.03	10.2	11.1	13.0	14.1	15.8	17.6	19.9	21.8	24.5		
Cb	Cb 36	3.21	3.64	3.88	4.34	4.91	5.56	6.15	6.86	7.71	9.03	10.2	11.1	13.0	14.1	15.8	17.6	19.9	21.8	24.5											
	Cb 37	3.08	3.52	3.91	4.39	4.91	5.63	6.21	7.04	7.99	9.09	10.3	11.5	12.8	14.5	16.2	18.3	20.5	21.9	24.5											
	Cb 38	2.88	3.18	3.49	4.08	4.40	5.01	5.55	6.27	6.88	7.73	8.73	9.81	11.04	12.3	13.8	15.5	17.3													
Ot	Ot 36	5.00	5.57	6.50	7.43	8.15	9.10	10.2	11.5	12.4	14.1	15.6	18.1	19.7	22.2	24.7	28.0	32.2	40.8												
	Ot 37	5.17	5.86	6.25	6.99	7.90	8.95	9.90	11.0	12.4	14.5	16.4	17.9	20.9	22.7	25.5	28.3	32.0	35.1	39.4											
	Ot 38	4.90	5.59	6.21	6.98	7.80	8.94	9.86	11.2	12.7	14.4	16.3	18.3	20.4	23.0	25.8	29.1	32.5	34.8	38.9											
Mub	Mub 36	3.25	3.68	3.92	4.39	4.96	5.62	6.22	6.93	7.79	9.13	10.3	11.3	13.1	14.3	16.0	17.8	20.1	22.0	24.7											
	Mub 37	3.08	3.52	3.91	4.39	4.91	5.63	6.21	7.04	7.99	9.09	10.3	11.5	12.8	14.5	16.2	18.3	20.5	21.9	24.5											
	Mub 38	2.88	3.18	3.49	4.08	4.40	5.01	5.55	6.27	6.88	7.73	8.73	9.81	11.0	12.3	13.8	15.5	17.3													

OPTIONS motors

Type	Electrical options										Mechanical options				
	Cable gland		Thermal protection		Flying leads	SIR Reinforced insulation system	Forced ventilation	Metal terminal box	Steel cover	Drip cover	Drain holes		Stainless steel nameplate		
	Std Polyamide	Std Brass	CTP	PTO							IMB5, IMB14	Other positions			
LS 56	Std														
LSES 63	Std														
LSES 71	Std														
LSES 80															
LSES 90															
LSES 100															
LSES 112 - 132 SM															
LSES 132 M															
LSES 160			Std					Std	Std						
LSES 180			Std					Std	Std						
LSES 200			Std					Std	Std						
LSES 225			Std					Std	Std						
LSES 250 ²			Std					Std	Std						
LSES 280 ²			Std					Std	Std						
LSES 315 ²			Std					Std	Std						

1. except Cb30: polyamide terminal box

2. 55 to 110 kW: motor B35 obligatory

NC: not concerned by IE Standards

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Geared motors IMfinity®

Helical gears COMPABLOC, MANUBLOC, ORTHOBLOC

Standard environment

Integral mounting	MI
Universal mounting	MU
Input shaft mounting	AP

AVAILABILITY TIMES EX WORKS (FRANCE), IN WORKING DAYS

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Cb, Mub, Ot gearboxes options

COMPABLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM

Type	Cb 1-stage MI forms						Mounting Cb 1-stage		Equipment	
	Feet		Flange mounted			Tapped holes	Universal	Input shaft	Lubrication	
	S	BS	BD1	BD2	BD3	BT	MU	AP	PAO ISO VG150	
Cb 3031										
Cb 3131										
Cb 3231										
Cb 3331										
Cb 3431										
Cb 3531										

Type	Cb multistage MI forms						Mounting Cb multistage		Equipment		
	Feet		Flange mounted			Tapped holes	Backstop ¹	Universal	Input shaft	Lubrication	Heat exchanger
	S	BS	BD1	BD2	BD3	BR	BT	AD/AP-MI-MU	MU	AP	PAO ISO VG150
Cb 3032-3033											
Cb 3133											
Cb 3233											
Cb 3333											
Cb 3433											
Cb 3533											
Cb 3633								1			
Cb 3733								1			
Cb 3833								1			

1. Cb 30 to 35: AD/MI-MU with LSES IFT/IE3 motor; AD/AP: not concerned.

MANUBLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND H HOLLOW SHAFT, S SOLID SHAFT

Type	Mub MI forms						Mub mounting		Equipment			
	Shaft	Tapped holes		Flange mounted		Shrink disc	Joint	Backstop ¹	Universal	Input shaft	Lubrication	Heat exchanger
	R	NUL/R/LR	BT	BS	BD	SDB	FM	AD/AP-MI-MU	MU	AP	PAO ISO VG150	
Mub 3132 H shaft												
Mub 32-- H shaft												
Mub 33-- H shaft												
Mub 34-- H shaft												
Mub 35-- H shaft												
Mub 36-- H shaft								1				
Mub 37-- H shaft								1				
Mub 38-- H shaft								1				
Mub 36-- S shaft												
Mub 37-- S shaft												
Mub 38-- S shaft												

1. Mub 31 to 35: AD/MI-MU with LSES IFT/IE3 motor; AD/AP: not concerned.

ORTHOLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND L (left) R (right) SOLID SHAFT

Type	Ot MI forms						Ot mounting		Equipment			
	Feet		Flange mounted			Shrink disc	Torque arm	Backstop ¹	Universal	Input shaft	Lubrication	Heat exchanger
	S L, SR	S LR	SBTLR L, R	SBTLR LR	NS	BSL/BSR	BDL/BDR	BRR	AD/AP-MI-MU	MU	AP	PAO ISO VG150
Ot 3132												
Ot 3232-3233												
Ot 3333												
Ot 3433												
Ot 3533												
Ot 3633								1				
Ot 3733								1				
Ot 3833								1				
Ot 3933												

1. Ot 31 to 35: AD/MI-MU with LSES IFT/IE3 motor; AD/AP: not concerned.

ORTHOLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND H HOLLOW SHAFT

Type	Ot MI forms						Ot mounting		Equipment	
	Feet	Flange mounted		Shrink disc	Torque arm	Backstop ¹	Universal	Input shaft	Lubrication	Heat exchanger
	S	SBT	BSL/BSR	BDL/BDR	SDR/SDL	RK	AD/AP-MI-MU	MU	AP	PAO ISO VG150
Ot 3132										
Ot 3232-3233										
Ot 3333										
Ot 3433										
Ot 3533										
Ot 3633								1		
Ot 3733								1		
Ot 3833								1		
Ot 3933										

1. Ot 31 to 35: AD/MI-MU with LSES IFT/IE3 motor; AD/AP: not concerned.

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Geared motors IMfinity® Worm and wheel MULTIBLOC Standard environment

Universal mounting	MUT
Universal mounting	MUF
Input shaft mounting	AP

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4 poles
1500 min⁻¹

230 V Δ / 380 V Y / 400 V Y / 415 V Y 50 Hz - 460 V Y 60 Hz 380 V Δ / 400 V Δ / 415 V Δ / 690 V Y 50 Hz - 460 V Δ 60 Hz

				Mb 4301												
Type	IE	Mounting	Rated power P_n kW	min ⁻¹ i 400 V	14.3	17.8	23.8	28.5	35.6	47.5	57.0	71.3	95.0	143	187	286
					LS 56 M	NC	MUT	0.06	Y	5	5	5	5			
LS 56 M	NC	MUT	0.09	Y	5	5	5	5								
LSES 63 M	IE2	MUT	0.12	Y	5	5	5	5	5	5	5	5	5	5	5	5
LSES 63 M	IE2	MUT	0.18	Y			5	5	5	5	5	5	5	5	5	5
LSES 71 M	IE2	MUT	0.25	Y					5	5	5	5	5	5	5	5
LSES 71 M	IE2	MUT	0.37	Y						5	5	5	5	5	5	5
LSES 71 LR	IE2	MUT	0.55	Y							5	5	5	5	5	5

				Mb 3101										
Type	IE	Mounting	Rated power P_n kW	min ⁻¹ i 400 V	17.8	23.8	28.5	35.6	47.5	57.0	71.3	95.0	143	187
					LSES 71 M	IE2	MUT	0.25	Y	5	5	5	5	5
LSES 71 M	IE2	MUT	0.37	Y			5	5	5	5	5	5	5	5
LSES 71 LR	IE2	MUT	0.55	Y				5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT ¹	0.75	Y					5	5	5	5	5	5
LSES 80 LG	IE3	MUT ¹	0.9	Y						5	5	5	5	5

1. LSES 80 FT85 shaft 14x30 obligatory

				Mb 2201											
Type	IE	Mounting	Rated power P_n kW	min ⁻¹ i 400 V	14.2	17.3	23.7	28.4	35.5	47.3	55.7	71.0	94.7	137	194
					LSES 71 M	IE2	MUT or MUF	0.25	Y	5	5	5	5	5	5
LSES 71 M	IE2	MUT or MUF	0.37	Y	5	5	5	5	5	5	5	5	5	5	5
LSES 71 LR	IE2	MUT or MUF	0.55	Y	5	5	5	5	5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT or MUF	0.75	Y			5	5	5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT or MUF	0.9	Y			5	5	5	5	5	5	5	5	5
LSES 90 SL	IE3	MUF ¹	1.1	Y				5	5	5	5	5	5	5	5
LSES 90 LU	IE3	MUF ¹	1.5	Y					5	5	5	5	5	5	5

1. LSES 90 FF130 shaft 19x40 obligatory

				Mb 2301											
Type	IE	Mounting	Rated power P_n kW	min ⁻¹ i 400 V	14.2	17.8	23.7	28.4	35.5	47.3	55.7	71.0	94.7	137	189
					LSES 71 M	IE2	MUT or MUF	0.25	Y	5	5	5	5	5	5
LSES 71 M	IE2	MUT or MUF	0.37	Y	5	5	5	5	5	5	5				
LSES 71 LR	IE2	MUT or MUF	0.55	Y	5	5	5	5	5	5	5				
LSES 80 LG	IE3	MUT or MUF	0.75	Y		5	5	5	5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT or MUF	0.9	Y		5	5	5	5	5	5	5	5	5	5
LSES 90 SL	IE3	MUT or MUF	1.1	Y			5	5	5	5	5	5	5	5	5
LSES 90 LU	IE3	MUT or MUF	1.5	Y				5	5	5	5	5	5	5	5
LSES 100 LR	IE3	MUF ¹	2.2	Y					5	5	5	5	5	5	5
LSES 100 LG	IE3	MUF ¹	3	Y						5	5	5	5	5	5

1. LSES 100 FF165 shaft 24x50 obligatory

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Geared motors IMfinity® Worm and wheel MULTIBLOC Standard environment

Universal mounting	MUT
Universal mounting	MUF
Input shaft mounting	AP

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D	D + 1	D + 2	D + 5	D + 10	D + 15	Please consult
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4 poles
1500 min⁻¹

230 V Δ / 380 V Y / 400 V Y / 415 V Y 50 Hz - 460 V Y 60 Hz 380 V Δ / 400 V Δ / 415 V Δ / 690 V Y 50 Hz - 460 V Δ 60 Hz

				Mb 2401										
		Rated power P_n kW	$\frac{\text{min}^{-1}}{i}$	14.4	17.9	23.8	28.6	36.0	47.9	56.3	73.6	99.1	139	198
Type	IE	Mounting	400 V	100	80	60	50	40	30	25.5	19.5	14.5	10.3	7.25
LSES 80 LG	IE2	MUT or MUF	0.55	Y	5	5	5	5	5	5				
LSES 80 LG	IE3	MUT or MUF	0.75	Y	5	5	5	5	5	5	5			
LSES 80 LG	IE3	MUT or MUF	0.9	Y	5	5	5	5	5	5	5			
LSES 90 SL	IE3	MUT or MUF	1.1	Y		5	5	5	5	5	5	5		
LSES 90 LU	IE3	MUT or MUF	1.5	Y		5	5	5	5	5	5	5	5	
LSES 100 LR	IE3	MUT or MUF	2.2	Y			5	5	5	5	5	5	5	5
LSES 100 LG	IE3	MUT or MUF	3	Y				5	5	5	5	5	5	5
LSES 112 MU	IE3	MUT or MUF	4	Y					5	5	5	5	5	5
LSES 132 SM	IE3	MUF ¹	5.5	Y						5	5	5	5	5
LSES 132 SM	IE3	MUF ¹	5.5	Δ							5	5	5	5

1. LSES 132 FF165 shaft 28x60 obligatory

				Mb 2501										
		Rated power P_n kW	$\frac{\text{min}^{-1}}{i}$	14.4	18.0	24.0	28.8	36.0	47.9	56.4	70.2	92.8	139	198
Type	IE	Mounting	400 V	100	80	60	50	40	30	25.5	20.5	15.5	10.3	7.25
LSES 80 LG	IE2	MUT or MUF	0.55	Y	5	5	5	5	5					
LSES 80 LG	IE3	MUT or MUF	0.75	Y	5	5	5	5	5					
LSES 80 LG	IE3	MUT or MUF	0.9	Y	5	5	5	5	5					
LSES 90 SL	IE3	MUT or MUF	1.1	Y	5	5	5	5	5	5	5	5		
LSES 90 LU	IE3	MUT or MUF	1.5	Y	5	5	5	5	5	5	5	5	5	
LSES 100 LR	IE3	MUT or MUF	2.2	Y			5	5	5	5	5	5	5	5
LSES 100 LG	IE3	MUT or MUF	3	Y				5	5	5	5	5	5	5
LSES 112 MU	IE3	MUT or MUF	4	Y					5	5	5	5	5	5
LSES 132 SM	IE3	MUF ¹	5.5	Y						5	5	5	5	5
LSES 132 M	IE3	MUF ¹	7.5	Δ							2	2	2	2

1. LSES 132, FF165 shaft 28x60 obligatory

				Mb 2601						
		Rated power P_n kW	$\frac{\text{min}^{-1}}{i}$	23.9	36.0	47.9	70.2	Mounting	70.2	139
Type	IE	Mounting	400 V	60	40	30	20.5		20.5	10.3
LSES 90 SL	IE3	MUF	1.1	Y	2	2	2			
LSES 90 LU	IE3	MUF	1.5	Y	2	2	2			
LSES 100 LR	IE3	MUF	2.2	Y	2	2	2	2		
LSES 100 LG	IE3	MUF	3	Y	2	2	2	2		
LSES 112 MU	IE3	MUF	4	Y	2	2	2	2		
LSES 132 SM	IE3	MUF ¹	5.5	Y		2	2	MUT ²	1	1
LSES 132 M	IE3	MUF ¹	7.5	Δ			2	MUT ²	1	1

1. LSES 132 FF165 shaft 28x60 obligatory

2. LSES 132 FT215 shaft 38x80 obligatory

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Universal mounting	MUT
Universal mounting	MUF
Input shaft mounting	AP

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MULTIBLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND H HOLLOW SHAFT

Type	Mb forms							
	Baseplate		Flange mounted			Tapped holes	Torque arm ¹	Input shaft
	NU our S	NS D/F/U	BSL / BSR	BDL / BDR	BNL / BNR	BTLR	RK	AP
Mb 4301								
Mb 3101								
Mb 2201								
Mb 2301								
Mb 2401								
Mb 2501								
Mb 2601								

1. Delivered separately

MULTIBLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND HL (left) HR (right) SOLID SHAFT

Type	Mb forms					
	Baseplate		Flange mounted			Input shaft
	NU our S	NS D/F/U	BSL / BSR	BDL / BDR	BNL / BNR	AP
Mb 4301						
Mb 3101						
Mb 2201						
Mb 2301						
Mb 2401						
Mb 2501						
Mb 2601						

MULTIBLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND HLR (left and right) SOLID SHAFT

Type	Mb forms					
	Baseplate		Flange mounted			Input shaft
	NU our S	NS D/F/U	BSL / BSR	BDL / BDR	BNL / BNR	AP
Mb 4301	1		1	1		
Mb 3101						
Mb 2201						
Mb 2301						
Mb 2401						
Mb 2501						
Mb 2601						

OPTIONS motors

Type	Electrical options								Mechanical options				
	Cable gland		Thermal protection		Flying leads	SIR Reinforced insulation system	Forced ventilation	Metal terminal box	Steel cover	Drip cover	Drain holes		Stainless steel nameplate
	Std Polyamide	Std Brass	CTP	PTO							IMB5, IMB14	Other positions	
LS 56	Std								Std				
LSES 63	Std								Std				
LSES 71	Std								Std				
LSES 80													
LSES 90													
LSES 100													
LSES 112													
LSES 112 MG									Std				
LSES 132 SM, SU									Std				
LSES 132 M									Std				

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