



Integral mounting	MI
Universal mounting	MU
Input shaft mounting	AP

# Geared motors IMfinity®

## Helical gears COMPABLOC, MANUBLOC, ORTHOBLOC

### ATEX environment: Non-conductive dust, Category 3 - Zone 22

#### 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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#### Cb, Mub, Ot + 4p motors

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 at 50 Hz 400 V $P_N$ 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* <sup>1</sup>	Mub36* Mub37* Mub38* <sup>1</sup>	Ot36* Ot37* Ot38* <sup>1</sup>	Ot 39-
					<b>4 poles</b> 1500 min <sup>-1</sup>									
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	2	2	2	2	2	2				
LSES 80 LG	IE3	MI or MU	0.9	Y	2	2	2	2	2	2				
LSES 90 SL	IE3	MI or MU	1.1	Y		2	2	2	2	2	1	1	2	
LSES 90 LU	IE3	MI or MU	1.5	Y		2	2	2	2	2	1	1	2	
LSES 100 L	IE3	MI or MU	1.8	Y		2	2	2	2	2	1	1	2	
LSES 100 LR	IE3	MI or MU	2.2	Y		2	2	2	2	2	1	1	2	
LSES 100 LG	IE3	MI or MU	3	Y		2	2	2	2	2	1	1	2	
LSES 112 MU	IE3	MI or MU	4	Y		2	2	2	2	2	1	1	2	
LSES 132 SM	IE3	MI or MU	5.5	Y			2	2	2	2	1	1	2	
LSES 132 M	IE3	MI or MU	7.5	Δ				2	2	2	1	1	2	
LSES 160 MR	IE3	MI or MU	9	Δ					1	1	1	1	2	
LSES 160 M	IE3	MI or MU	11	Δ					1	1	1	1	2	
LSES 160 LUR	IE3	MI or MU	15	Δ					1	1	1	1	2	
LSES 180 M	IE3	MI or MU	18.5	Δ					1	1	1	1	1	
LSES 180 LUR	IE3	MI or MU	22	Δ					1	1	1	1	1	
LSES 200 LU	IE3	MI or MU	30	Δ					1	1	1	1	1	
LSES 225 SR	IE3	MI or MU	37	Δ						1	1	1	1	
LSES 225 MG <sup>1</sup>	IE3	MU	45	Δ										
LSES 250 ME <sup>1</sup>	IE3	MU	55	Δ										
LSES 280 SD <sup>1</sup>	IE3	MU	75	Δ										
LSES 280 MD <sup>1</sup>	IE3	MU	90	Δ										
LSES 315 SP <sup>1</sup>	IE3	MU	110	Δ										

1. Motor B35 obligatory

#### \* Exceptions

	Size	* 1 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
<b>Cb</b>	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									
<b>Ot</b>	Ot 36	5.00	5.57	6.50	7.43	8.15	9.10	10.2	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							
<b>Mub</b>	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 protections		SIR			Metal terminal box Std <sup>1</sup>	Steel cover Std	Drip cover	Drain holes		Stainless steel nameplate
Polyamide Std	Brass	CTP	PTO	Flying leads	Reinforced insulation system	Forced ventilation	IMB3, IMB5, IMB14				other positions		
LSES 71													
LSES 80													
LSES 90													
LSES 100													
LSES 112 - 132 SM													
LSES 132 M													
LSES 160			Std										
LSES 180			Std										
LSES 200			Std										
LSES 225 <sup>2</sup>			Std										
LSES 250 <sup>2</sup>			Std										
LSES 280 <sup>2</sup>			Std										
LSES 315 <sup>2</sup>			Std										

1. except Cb30: polyamide terminal box

2. 45 to 110 kW: motor B35 obligatory

Your sales office will offer every assistance and consider any enquiry concerning delivery of larger quantities and different delivery dates



Integral mounting **MI**

Universal mounting **MU**

Input shaft mounting **AP**

# Geared motors IMfinity®

## Helical gears COMPABLOC, MANUBLOC, ORTHOBLOC

### ATEX environment: Non-conductive dust, Category 3 - Zone 22

#### AVAILABILITY TIMES EX WORKS (FRANCE), IN WORKING DAYS

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#### 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							2		
Cb 3131							2		
Cb 3231							2		
Cb 3331							2		
Cb 3431									
Cb 3531									

Type	Cb multistage MI forms							Mounting Cb multistage		Equipment	
	Feet		Flange mounted			Tapped holes	Backstop <sup>1</sup>	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									2		
Cb 3133									2		
Cb 3233									2		
Cb 3333									2		
Cb 3433											
Cb 3533											
Cb 3633											
Cb 3733											
Cb 3833											

1. Cb 36 to 38: AD (backstop) not allowed for V5, V1 operating positions.

#### 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 <sup>1</sup>	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									2			
Mub 32-- H shaft									2			
Mub 33-- H shaft									2			
Mub 34-- H shaft												
Mub 35-- H shaft												
Mub 36-- H shaft												
Mub 37-- H shaft												
Mub 38-- H shaft												
Mub 36-- S shaft												
Mub 37-- S shaft												
Mub 38-- S shaft												

1. Mub 36 to 38: AD (backstop) not allowed for V5, V1 operating positions.

#### 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			Backstop <sup>1</sup>	Universal	Input shaft	Lubrication	Heat exchanger
	S L, R LR	SBTLR L, R	SBTLR LR	NS	BSL/BSR	BDL/BDR	BRR	AD/AP-MI-MU	MU	AP	PAO ISO VG150
Ot 3132									2		
Ot 3232-3233									2		
Ot 3333									2		
Ot 3433									2		
Ot 3533											
Ot 3633											
Ot 3733											
Ot 3833											
Ot 3933											

1. Ot 36 to 39: AD (backstop) not allowed for B7, B54 operating positions.

#### 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 <sup>1</sup>	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									2		
Ot 3232-3233									2		
Ot 3333									2		
Ot 3433									2		
Ot 3533											
Ot 3633											
Ot 3733											
Ot 3833											
Ot 3933											

1. Ot 36 to 39: AD (backstop) not allowed for B7, B54 operating positions.

Your sales office will offer every assistance and consider any enquiry concerning delivery of larger quantities and different delivery dates



Universal mounting **MUT**

Universal mounting **MUF**

Input shaft mounting **AP**

# Geared motors IMfinity®

## Worm and wheel MULTIBLOC

### ATEX environment: Non-conductive dust, Category 3 - Zone 22

#### AVAILABILITY TIMES EX WORKS (FRANCE), IN WORKING DAYS

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4 poles  
1500 min<sup>-1</sup>

#### 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 3101									
IE	Mounting	Rated power at 50 Hz	min <sup>-1</sup>	17.8	23.8	28.5	35.6	47.5	57.0	71.3	95.0	143	187
				80	60	50	40	30	25	20	15	10	7.5
Type		P <sub>N</sub> kW	400 V										
LSES 71 M	IE2	MUT	0.25	5	5	5	5	5	5	5	5	5	5
LSES 71 M	IE2	MUT	0.37			5	5	5	5	5	5	5	5
LSES 71 LR	IE2	MUT	0.55			5	5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT <sup>1</sup>	0.75				5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT <sup>1</sup>	0.9					5	5	5	5	5	5

1. LSES 80 FT85 shaft 14x30 obligatory

				Mb 2201										
IE	Mounting	Rated power at 50 Hz	min <sup>-1</sup>	14.2	17.3	23.7	28.4	35.5	47.3	55.7	71.0	94.7	137	194
				100	80	60	50	40	30	25.5	20	15	10.3	7.33
Type		P <sub>N</sub> kW	400 V											
LSES 71 M	IE2	MUT or MUF	0.25	5	5	5	5	5	5	5	5	5	5	5
LSES 71 M	IE2	MUT or MUF	0.37	5	5	5	5	5	5	5	5	5	5	5
LSES 71 LR	IE2	MUT or MUF	0.55			5	5	5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT or MUF	0.75			5	5	5	5	5	5	5	5	5
LSES 80 LG	IE3	MUT or MUF	0.9				5	5	5	5	5	5	5	5
LSES 90 SL	IE3	MUF <sup>1</sup>	1.1					5	5	5	5	5	5	5
LSES 90 LU	IE3	MUF <sup>1</sup>	1.5						5	5	5	5	5	5
LSES 100 L	IE3	MUF <sup>1</sup>	1.8							5	5	5	5	5

1. LSES 90, LSES 100 FF130 shaft 19x40 obligatory

				Mb 2301										
IE	Mounting	Rated power at 50 Hz	min <sup>-1</sup>	14.2	17.8	23.7	28.4	35.5	47.3	55.7	71.0	94.7	137	189
				100	80	60	50	40	30	25.5	20	15	10.3	7.5
Type		P <sub>N</sub> kW	400 V											
LSES 71 M	IE2	MUT or MUF	0.25	5	5	5	5	5	5	5				
LSES 71 M	IE2	MUT or MUF	0.37	5	5	5	5	5	5	5				
LSES 71 LR	IE2	MUT or MUF	0.55	5	5	5	5	5	5	5				
LSES 80 LG	IE3	MUT or MUF	0.75		5	5	5	5	5	5				
LSES 80 LG	IE3	MUT or MUF	0.9		5	5	5	5	5	5	5	5	5	5
LSES 90 SL	IE3	MUT or MUF	1.1				5	5	5	5	5	5	5	5
LSES 90 LU	IE3	MUT or MUF	1.5					5	5	5	5	5	5	5
LSES 100 L	IE3	MUT or MUF	1.8						5	5	5	5	5	5
LSES 100 LR	IE3	MUT or MUF	2.2							5	5	5	5	5
LSES 100 LG	IE3	MUT or MUF	3								5	5	5	5
LSES 100 LR	IE3	MUF <sup>1</sup>	2.2									5	5	5
LSES 100 LG	IE3	MUF <sup>1</sup>	3										5	5

1. LSES 100 FF165 shaft 24x50 obligatory

				Mb 2401										
IE	Mounting	Rated power at 50 Hz	min <sup>-1</sup>	14.4	17.9	23.8	28.6	36.0	47.9	56.3	73.6	99.1	139	198
				100	80	60	50	40	30	25.5	19.5	14.5	10.3	7.25
Type		P <sub>N</sub> kW	400 V											
LSES 80 LG	IE2	MUT or MUF	0.55	5	5	5	5	5	5	5	5			
LSES 80 LG	IE3	MUT or MUF	0.75	5	5	5	5	5	5	5	5			
LSES 80 LG	IE3	MUT or MUF	0.9	5	5	5	5	5	5	5	5			
LSES 90 SL	IE3	MUT or MUF	1.1		5	5	5	5	5	5	5			
LSES 90 LU	IE3	MUT or MUF	1.5		5	5	5	5	5	5	5	5	5	5
LSES 100 L	IE3	MUT or MUF	1.8			5	5	5	5	5	5	5	5	5
LSES 100 LR	IE3	MUT or MUF	2.2				5	5	5	5	5	5	5	5
LSES 100 LG	IE3	MUT or MUF	3					5	5	5	5	5	5	5
LSES 112 MU	IE3	MUT or MUF	4						5	5	5	5	5	5
LSES 132 SM	IE3	MUF <sup>1</sup>	5.5							5	5	5	5	5
LSES 132 SM	IE3	MUF <sup>1</sup>	5.5								5	5	5	5
LSES 132 M	IE3	MUF <sup>1</sup>	7.5									5	5	5

1. LSES 132 FF165 shaft 28x60 obligatory

				Mb 2501										
IE	Mounting	Rated power at 50 Hz	min <sup>-1</sup>	14.4	18.0	24.0	28.8	36.0	47.9	56.4	70.2	92.8	139	198
				100	80	60	50	40	30	25.5	20.5	15.5	10.3	7.25
Type		P <sub>N</sub> kW	400 V											
LSES 80 LG	IE2	MUT or MUF	0.55	5	5	5	5	5						
LSES 80 LG	IE3	MUT or MUF	0.75	5	5	5	5	5						
LSES 80 LG	IE3	MUT or MUF	0.9	5	5	5	5	5						
LSES 90 SL	IE3	MUT or MUF	1.1	5	5	5	5	5	5	5				
LSES 90 LU	IE3	MUT or MUF	1.5	5	5	5	5	5	5	5	5	5	5	5
LSES 100 L	IE3	MUT or MUF	1.8		5	5	5	5	5	5	5	5	5	5
LSES 100 LR	IE3	MUT or MUF	2.2			5	5	5	5	5	5	5	5	5
LSES 100 LG	IE3	MUT or MUF	3				5	5	5	5	5	5	5	5
LSES 112 MU	IE3	MUT or MUF	4					5	5	5	5	5	5	5
LSES 132 SM	IE3	MUF <sup>1</sup>	5.5						5	5	5	5	5	5
LSES 132 M	IE3	MUF <sup>1</sup>	7.5							5	5	5	5	5

1. LSES 132 FF165 shaft 28x60 obligatory

				Mb 2601							
IE	Mounting	Rated power at 50 Hz	min <sup>-1</sup>	23.9	36.0	47.9	70.2	Mounting	70.2	139	
				60	40	30	20.5		20.5	10.3	
Type		P <sub>N</sub> kW	400 V								
LSES 90 SL	IE3	MUF	1.1	2	2	2					
LSES 90 LU	IE3	MUF	1.5	2	2	2					
LSES 100 L	IE3	MUF	1.8	2	2	2					
LSES 100 LR	IE3	MUF	2.2	2	2	2	2				
LSES 100 LG	IE3	MUF	3	2	2	2	2				
LSES 112 MU	IE3	MUF	4	2	2	2	2				
LSES 132 SM	IE3	MUF <sup>1</sup>	5.5		2	2	2	MUT <sup>2</sup>	1	1	
LSES 132 M	IE3	MUF <sup>1</sup>	7.5			2	2	MUT <sup>2</sup>	1	1	

1. LSES 132 FF165 shaft 28x60 obligatory

2. LSES 132 FT215 shaft 38x80 obligatory

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Universal mounting	<b>MUT</b>
Universal mounting	<b>MUF</b>
Input shaft mounting	<b>AP</b>

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### Worm and wheel MULTIBLOC

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<b>D</b>	<b>D + 1</b>	<b>D + 2</b>	<b>D + 5</b>	<b>D + 10</b>	<b>D + 15</b>	Please consult
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#### MULTIBLOC - MECHANICAL OPTIONS CORRESPONDING TO THE MOUNTING FORM AND H HOLLOW SHAFT

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

#### OPTIONS motors

Type	Electrical options							Mechanical options					
	Cable gland		Thermal protections		SIR			Metal terminal box	Steel cover	Drip cover	Drain holes		Stainless steel nameplate
	Polyamide Std	Brass Std	CTP	PTO	Flying leads	Reinforced insulation system	Forced ventilation				IMB3, IMB5, IMB14	other positions	
LSES 71													
LSES 80													
LSES 90													
LSES 100													
LSES 112 - 132 SU													
LSES 132 M													

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