

Express Availability - Geared brake motors

FMD - FFB - IFT/NIE geared brake motors (Not in any efficiency class)

Integral mounting **MI**

Helical gears COMPABLOC, MANUBLOC, ORTHOBLOC

Universal mounting **MU**

Standard environment

AVAILABILITY TIMES EX WORKS (FRANCE), IN WORKING DAYS

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D	D + 1	D + 2	D + 5	D + 10	D + 15	Please consult
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FMD or FFB - IMfinity® NIE brake associated motors 4p IP55 Class F (motors in italics excepted NC: Not Covered by IE Standards)

Cb, Mub, Ot + 4p LS FMD - FFB brake motor - IFT/NIE - 230 V Δ / 380 V Y / 400 V Y / 415 V Y - 460 V Y or 400 V Δ
Brakes: 180V Brake power supply - Factory set braking torque

Motor type	Brake type	Brake moment		Rated power		Availability												
		Mf 1 N.m	Mounting	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*-	Mub36*- Mub37*- Mub38*-	Ot36*- Ot37*- Ot38*-	Ot 39-			
<i>LS 56 M</i>	FMD	3	MI or MU	0.06	Y	2												
<i>LS 56 M</i>	FMD	3	MI or MU	0.09	Y	2												
<i>LS 63 M</i>	FMD	3	MI or MU	0.12	Y	2												
<i>LS 63 M</i>	FMD	3	MI or MU	0.18	Y	2												
<i>LS 71 L</i>	FMD	5	MI or MU	0.25	Y	2												
<i>LS 71 L</i>	FMD	5	MI or MU	0.37	Y	2												
<i>LS 71 L</i>	FMD	5	MI or MU	0.55	Y	2												
<i>LS 71 M</i>	FFB1	4.5	MI or MU	0.25	Y	5	5	5	5									
<i>LS 71 M</i>	FFB1	4.5	MI or MU	0.37	Y	5	5	5	5									
<i>LS 71 L</i>	FFB1	6	MI or MU	0.55	Y	5	5	5	5									
<i>LS 80 L</i>	FFB1	12	MI or MU	0.75	Y	5	5	5	5	5	5							
<i>LS 80 L</i>	FFB1	12	MI or MU	0.9	Y	5	5	5	5	5	5							
<i>LS 90 SL</i>	FFB2	19	MI or MU	1.1	Y													
<i>LS 90 L</i>	FFB2	19	MI or MU	1.5	Y													
<i>LS 90 L</i>	FFB2	26	MI or MU	1.8	Y													
<i>LS 100 L</i>	FFB2	26	MI or MU	2.2	Y													
<i>LS 100 L</i>	FFB3	52	MI or MU	3	Y													
<i>LS 112 MG</i>	FFB3	52	MI or MU	4	Y													
<i>LS 132 S</i>	FFB3	67	MI or MU	5.5	Y													
<i>LS 132 M</i>	FFB4	110	MI or MU	7.5	Δ													
<i>LS 132 M</i>	FFB4	110	MI or MU	9	Δ													
<i>LS 160 MP</i>	FFB5	140	MI or MU	11	Δ													
<i>LS 160 LR</i>	FFB5	180	MI or MU	15	Δ													
<i>LS 180 MT</i>	FFB5	200	MI or MU	18.5	Δ													

(1) values given for information only; in the event of normative restriction, please consult us

* Exceptions

Cb	Ot	Mub	Size	* i feasible on consultation																		
				Cb 36	Cb 37	Cb 38	Ot 36	Ot 37	Ot 38	Mub 36	Mub 37	Mub 38	Cb 36	Cb 37	Cb 38	Ot 36	Ot 37	Ot 38	Mub 36	Mub 37	Mub 38	
			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	11.0	12.3	13.8	15.5	17.3		
			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 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		

ELECTRICAL OPTIONS for LS FMD - FFB - IFT/NIE brake motor (Not in any efficiency class)

Motor type	Brake type	Cable gland		Thermal protection		Flying leads	SIR Reinforced insulation system	Separate supply Coil 180V	Coil 20V	Forced ventilation	TRR Reduced response time
		Std Polyamide	Std Brass	PTO	PTC						
56	FMD	Std									
63	FMD	Std									
71	FMD	Std									
71	FFB										
80	FFB										
90	FFB										
100	FFB										
112 - 132 S	FFB										
132 M	FFB										
160	FFB				Std						
180 MT	FFB				Std						

MECHANICAL OPTIONS for LS FMD - FFB - IFT/NIE brake motor (Not in any efficiency class)

Motor type	Brake type	Metal terminal box	Steel cover	Drip cover	Drain holes (IMB5, IMB14)	Drain holes (other positions)	Release lever			Optional braking torque	Wear indicator	Release indicator	Stainless steel nameplate
							DLRA	DLM	DMD				
56	FMD	Std	Std										
63	FMD	Std	Std										
71	FMD	Std	Std										
71	FFB	Std	Std										
80	FFB	Std	Std										
90	FFB	Std	Std										
100	FFB	Std	Std										
112 - 132 S	FFB	Std	Std										
132 M	FFB	Std	Std										
160	FFB	Std	Std										
180 MT	FFB	Std	Std										

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Express Availability - Geared brake motors

FMD - FFB - IFT/NIE geared brake motors (Not in any efficiency class)
Helical gears COMPABLOC, MANUBLOC, ORTHOBLOC
Standard environment

Integral mounting	MI
Universal mounting	MU

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						Cb 1-stage Universal		Equipment	
	Feet		Flange mounted			Tapped holes		MU	PAO ISO VG150	
	S	BS	BD1	BD2	BD3	BT				
Cb 3031										
Cb 3131										
Cb 3231										
Cb 3331										
Cb 3431										
Cb 3531										

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

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

Type	Mub MI forms						Mub mount.		Equipment	
	Shaft	Tapped holes		Flange mounted		Shrink disc	Joint	MU	PAO ISO VG150	Heat exchanger
	R	NUL/R/LR	BT	BS	BD	SDB	FM			
Mub 3132 H shaft										
Mub 32-- H shaft										
Mub 33-- H shaft										
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										

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		Tapped holes		MU	PAO ISO VG150	Heat exchanger	
	S L	S LR	SBTLR L, R	SBTLR LR	NS	BSL/BSR				BDL/BDR
Ot 3132										
Ot 3232-3233										
Ot 3333										
Ot 3433										
Ot 3533										
Ot 3633										
Ot 3733										
Ot 3833										
Ot 3933										

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	MU	PAO ISO VG150	Heat exchanger	
	S	SBT	BSL/BSR	BDL/BDR	SDR/SDL	RK				
Ot 3132										
Ot 3232-3233										
Ot 3333										
Ot 3433										
Ot 3533										
Ot 3633										
Ot 3733										
Ot 3833										
Ot 3933										

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FMD - FFB - IFT/NIE geared brake motors (Not in any efficiency class)

Universal mounting **MUT**

Worm and wheel MULTIBLOC

Universal mounting **MUF**

Standard environment

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FMD or FFB - IMfinity® NIE brake associated motors (motors in italics excepted NC: Not Covered by IE Standards) 4p IP55 Class F

Mb + 4p LS FMD - FFB - IFT/NIE - 230 V Δ / 380 V Y / 400 V Y / 415 V Y - 460 V Y or 400 V Δ
Brakes: 180V Brake power supply - Factory set braking torque

4 poles
1500 min⁻¹

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 4301												
						14.3	17.8	23.8	28.5	35.6	47.5	57.0	71.3	95.0	143	187	286	
						LS 56 M	FMD	3	MU	0.06	Y	100	80	60	50	40	30	25
LS 56 M	FMD	3	MU	0.09	Y	5	5	5	5									
LS 63 M	FMD	3	MU	0.12	Y	5	5	5	5	5	5	5	5	5	5	5	5	5
LS 63 M	FMD	3	MU	0.18	Y			5	5	5	5	5	5	5	5	5	5	5
LS 71 L	FMD	5	MU	0.25	Y					5	5	5	5	5	5	5	5	5
LS 71 L	FMD	5	MU	0.37	Y					5	5	5	5	5	5	5	5	5
LS 71 L	FMD	5	MU	0.55	Y					5	5	5	5	5	5	5	5	5

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 3101										
						17.8	23.8	28.5	35.6	47.5	57.0	71.3	95.0	143	187	
						LS 71 M	FFB1	4.5	MUT	0.25	Y	80	60	50	40	30
LS 71 M	FFB1	4.5	MUT	0.37	Y	5	5	5	5	5	5	5	5	5	5	5
LS 71 L	FFB1	6	MUT	0.55	Y			5	5	5	5	5	5	5	5	5
LS 80 L	FFB1	12	MUT ²	0.75	Y					5	5	5	5	5	5	5
LS 80 L	FFB1	12	MUT ²	0.9	Y						5	5	5	5	5	5

1. values given for information only; in the event of normative restriction, please consult us 2. LS 80 FT85 shaft 14x30 obligatory

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 2201										
						14.2	17.3	23.7	28.4	35.5	47.3	55.7	71.0	94.7	137	194
						LS 71 M	FFB1	4.5	MUT or MUF	0.25	Y	100	80	60	50	40
LS 71 M	FFB1	4.5	MUT or MUF	0.37	Y	5	5	5	5	5	5	5	5	5	5	5
LS 71 L	FFB1	6	MUT or MUF	0.55	Y	5	5	5	5	5	5	5	5	5	5	5
LS 80 L	FFB1	12	MUT or MUF	0.75	Y			5	5	5	5	5	5	5	5	5
LS 80 L	FFB1	12	MUT or MUF	0.9	Y			5	5	5	5	5	5	5	5	5
LS 90 SL	FFB2	19	MUF ²	1.1	Y					5	5	5	5	5	5	5
LS 90 L	FFB2	19	MUF ²	1.5	Y						5	5	5	5	5	5
LS 90 L	FFB2	26	MUF ²	1.8	Y							5	5	5	5	5

1. values given for information only; in the event of normative restriction, please consult us 2. LS 90 FF130 shaft 19x40 obligatory

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 2301										
						14.2	17.8	23.7	28.4	35.5	47.3	55.7	71.0	94.7	137	189
						LS 71 M	FFB1	4.5	MUT or MUF	0.25	Y	100	80	60	50	40
LS 71 M	FFB1	4.5	MUT or MUF	0.37	Y	5	5	5	5	5	5	5				
LS 71 L	FFB1	6	MUT or MUF	0.55	Y	5	5	5	5	5	5	5				
LS 80 L	FFB1	12	MUT or MUF	0.75	Y		5	5	5	5	5	5	5	5	5	5
LS 80 L	FFB1	12	MUT or MUF	0.9	Y			5	5	5	5	5	5	5	5	5
LS 90 SL	FFB2	19	MUT or MUF	1.1	Y				5	5	5	5	5	5	5	5
LS 90 L	FFB2	19	MUT or MUF	1.5	Y					5	5	5	5	5	5	5
LS 90 L	FFB2	26	MUT or MUF	1.8	Y						5	5	5	5	5	5
LS 100 L	FFB2	26	MUF ²	2.2	Y							5	5	5	5	5
LS 100 L	FFB3	52	MUF ²	3	Y								5	5	5	5

1. values given for information only; in the event of normative restriction, please consult us 2. LS 100 FF165 shaft 24x50 obligatory

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 2401										
						14.4	17.9	23.8	28.6	36.0	47.9	56.3	73.6	99.1	139	198
						LS 80 L	FFB1	12	MUT or MUF	0.55	Y	100	80	60	50	40
LS 80 L	FFB1	12	MUT or MUF	0.75	Y	5	5	5	5	5	5	5	5			
LS 80 L	FFB1	12	MUT or MUF	0.9	Y	5	5	5	5	5	5	5	5			
LS 90 SL	FFB2	19	MUT or MUF	1.1	Y		5	5	5	5	5	5	5	5	5	5
LS 90 L	FFB2	19	MUT or MUF	1.5	Y			5	5	5	5	5	5	5	5	5
LS 90 L	FFB2	26	MUT or MUF	1.8	Y				5	5	5	5	5	5	5	5
LS 100 L	FFB2	26	MUT or MUF	2.2	Y					5	5	5	5	5	5	5
LS 100 L	FFB3	52	MUT or MUF	3	Y						5	5	5	5	5	5
LS 112 MG	FFB3	52	MUT or MUF	4	Y							5	5	5	5	5
LS 132 S	FFB3	67	MUF ²	5.5	Y								5	5	5	5

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Universal mounting **MUT**

Worm and wheel MULTIBLOC

Universal mounting **MUF**

Standard environment

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Mb + 4p LS FMD - FFB - IFT/NIE - 230 V Δ / 380 V Y / 400 V Y / 415 V Y - 460 V Y or 400 V Δ
Brakes: 180V Brake power supply - Factory set braking torque

4 poles
1500 min⁻¹

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 2501											
						14.4	18.0	24.0	28.8	36.0	47.9	56.4	70.2	92.8	139	198	
LS 80 L	FFB1	12	MUT or MUF	0.55	Y	5	5	5	5	5							
LS 80 L	FFB1	12	MUT or MUF	0.75	Y	5	5	5	5	5							
LS 80 L	FFB1	12	MUT or MUF	0.9	Y	5	5	5	5	5							
LS 90 SL	FFB2	19	MUT or MUF	1.1	Y	5	5	5	5	5	5	5	5	5			
LS 90 L	FFB2	19	MUT or MUF	1.5	Y	5	5	5	5	5	5	5	5	5			
LS 90 L	FFB2	26	MUT or MUF	1.8	Y		5	5	5	5	5	5	5	5			
LS 100 L	FFB2	26	MUT or MUF	2.2	Y			5	5	5	5	5	5	5	5	5	5
LS 100 L	FFB3	52	MUT or MUF	3	Y				5	5	5	5	5	5	5	5	5
LS 112 MG	FFB3	52	MUT or MUF	4	Y					5	5	5	5	5	5	5	5
LS 132 S	FFB3	67	MUF ²	5.5	Y						5	5	5	5	5	5	5
LS 132 M	FFB4	110	MUF ²	7.5	Δ												
LS 132 M	FFB4	110	MUF ²	9	Δ												

1. values given for information only; in the event of normative restriction, please consult us 2. LS 132 FF165 shaft 28x60 obligatory

Motor type	Brake type	Mf ¹ Nm	Mounting	P _n kW	min ⁻¹ i 400 V	Mb 2601					Mounting	70.2	139
						23.9	36.0	47.9	70.2	70.2			
LS 90 SL	FFB2	19	MUF	1.1	Y	2	2	2					
LS 90 L	FFB2	19	MUF	1.5	Y	2	2	2					
LS 90 L	FFB2	26	MUF	1.8	Y	2	2	2					
LS 100 L	FFB2	26	MUF	2.2	Y	2	2	2	2				
LS 100 L	FFB3	52	MUF	3	Y	2	2	2	2				
LS 112 MG	FFB3	52	MUF	4	Y	2	2	2	2				
LS 132 S	FFB3	67	MUF ²	5.5	Y					MUT ³			
LS 132 M	FFB4	110	MUF ²	7.5	Δ					MUT ³			
LS 132 M	FFB4	110	MUF ²	9	Δ					MUT ³			

1. values given for information only; in the event of normative restriction, please consult us 2. LS 132 FF165 shaft 28x60 obligatory 3. LS 132 FT215 shaft 38x80 obligatory

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Universal mounting **MUFT**

Worm and wheel MULTIBLOC

Universal mounting **MUFF**

Standard environment

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Gearboxes options for FMD or FFB- IMfinity® NIE associated brake motors (*motors in italics excepted NC: Not Covered by IE Standards*) 4p IP55 Class F 0.25 to 9 kW

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

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

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

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

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

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

ELECTRICAL OPTIONS for LS FMD - FFB - IFT/NIE brake motor (Not in any efficiency class)

Motor type	Brake type	Cable gland		Thermal protection		Flying leads	SIR Reinforced insulation system	Separate supply Coil 180V	Coil 20V	Forced ventilation	TRR Reduced response time
		Std Polyamide	Std Brass	PTO	PTC						
56	FMD	Std									
63	FMD	Std									
71	FMD	Std									
71	FFB										
80	FFB										
90	FFB										
100	FFB										
112 - 132 S	FFB										
132 M	FFB										
160	FFB				Std						
180 MT	FFB				Std						

MECHANICAL OPTIONS brake motor LS FMD - FFB - IFT/NIE (Not in any efficiency class)

Motor type	Brake type	Metal terminal box	Steel cover	Drip cover	Drain holes (IMB5, IMB14)	Drain holes (other positions)	Release lever			Optional braking torque	Wear indicator	Release indicator	Stainless steel nameplate
							DLRA	DLM	DMD				
56	FMD	Std	Std										
63	FMD	Std	Std										
71	FMD	Std	Std										
71	FFB	Std	Std										
80	FFB	Std	Std										
90	FFB	Std	Std										
100	FFB	Std	Std										
112 - 132 S	FFB	Std	Std										
132 M	FFB												

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