

LSES - IMfinity®

**High-efficiency three-phase motors with aluminium frame
Class IE3**

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	Please consult
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2 poles
3000 min⁻¹

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

Type	Rated power at 50/60 Hz P _n kW	IM 1001 (IM B3)		IM 3001 ⁽¹⁾ (IM B5)		IM 2001 ⁽¹⁾ (IM B35)		IM 3601 ⁽¹⁾ (IM B14)		IM 2101 ⁽¹⁾ (IM B34)	
		Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty
LSES 80 L	0.75	4910125	10	4910126	4	4910127	1	4910129	1	4910130	1
LSES 80 LG	1.1	4910138	10	4910139	4	4910140	1	4910142	1	4910143	1
LSES 90 SL	1.5	4910151	10	4910152	4	4910153	1	4910155	1	4910156	1
LSES 90 L	1.8	4910164	5	4910165	1	4910166	1	4910168	1	4910169	1
LSES 90 LU	2.2	4910177	10	4910178	4	4910179	1	4910181	1	4910182	1
LSES 100 L	3	4910190	10	4910191	4	4910192	1	4910194	1	4910195	1
LSES 100 LG	3.7	4910203	2	4910204	1	4910205	1	4910207	1	4910208	1
LSES 112 MG	4	4910216	10	4910217	4	4910218	1	4910220	1	4910221	1
LSES 132 S	5.5	4910229	10	4910230	2	4910231	1	5021128	1	4989469	1
LSES 132 SM	7.5	4910242	2	4910243	2	4910244	1	4979911	1	4966254	1
LSES 132 M	9	4910255	2	4910256	2	4910257	1	5020935	1	5020868	1
LSES 160 MP	11	4910268	2	4910269	2	4910270	1	4910272	1	4910273	1
LSES 160 M	15	4910279	2	4910280	2	4910281	1				
LSES 160 L	18.5	4910290	1	4910291	1	4910292	1				
LSES 180 MR	22	4910297	1	4910298	1	4910299	1				
LSES 200 LR	30	4910304	1	4910305	1	4910306	1				
LSES 200 L	37	4910311	1	4910312	1	4910313	1				
LSES 225 MR	45	4910318	1	4910319	1	4910320	1				
LSES 250 MZ	55	4910325	1			4910327	1				
LSES 280 SC	75	4910331	1			4910333	1				
LSES 280 MC	90	4910337	-			4910339	-				
LSES 315 SN	110	4910343	-			4910345	-				
LSES 315 MP	132	4917848	-			4917850	-				
LSES 315 MP	160	4917852	-			4917854	-				

⁽¹⁾ IMB5/IMV1 - IMB35/IMV15 - IMB14/IMV18 - IMB34/IMV58 motors for frame size 80 to 225
In standard, motors equipped with PTC 150°C sensor for frame size ≥ 160

2 poles
3000 min⁻¹

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

Type	Rated power at 50/60 Hz P _n kW	IM 1001 (IM B3)		IM 3001 ⁽¹⁾ (IM B5)		IM 2001 ⁽¹⁾ (IM B35)		IM 3601 ⁽¹⁾ (IM B14)		IM 2101 ⁽¹⁾ (IM B34)	
		Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty
LSES 100 L	3	4910349	-	4910350	-	4910351	-	4910353	-	4910354	-
LSES 112 MG	4	4910362	3	4910363	2	4910364	-	4910366	2	4910367	1
LSES 132 S	5.5	4910375	3	4910376	2	4910377	-	5021131	2	5021080	1
LSES 132 SM	7.5	4910388	2	4910389	2	4910390	1	4948791	1	4979825	1
LSES 132 M	9	4910401	2	4910402	2	4910403	1	4991694	1	5020827	1
LSES 160 MP	11	4910414	2	4910415	2	4910416	1	4910418	1	4910419	1
LSES 160 M	15	4910425	2	4910426	2	4910427	1				
LSES 160 L	18.5	4910434	2	4910435	1	4910436	2				
LSES 180 MR	22	4910441	2	4910442	1	4910443	2				
LSES 200 LR	30	4910448	1	4910449	1	4910450	1				
LSES 200 L	37	4910455	1	4910456	1	4910457	1				
LSES 225 MR	45	4910462	1	4910463	1	4910464	1				
LSES 250 MZ	55	4910469	1			4910471	1				
LSES 280 SC	75	4910476	1			4910478	1				
LSES 280 MC	90	4910483	1			4910485	1				
LSES 315 SN	110	4910489	1			4910491	1				
LSES 315 MP	132	4917860	1			4917862	1				
LSES 315 MP	160	4918178	1			4918180	1				
LSES 315 MP	200	4918182	1			4918184	1				

⁽¹⁾ IMB5/IMV1 - IMB35/IMV15 - IMB14/IMV18 - IMB34/IMV58 motors for frame size 80 to 225
In standard, motors equipped with PTC 150°C sensor for frame size ≥ 160

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

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Class IE3

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D	D + 1	D + 2	D + 5	D + 10	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											
Type	Rated power at 50/60 Hz P _n kW	IM 1001 (IM B3)		IM 3001 ⁽¹⁾ (IM B5)		IM 2001 ⁽¹⁾ (IM B35)		IM 3601 ⁽¹⁾ (IM B14)		IM 2101 ⁽¹⁾ (IM B34)	
		Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty
LSES 80 LG	0.75	4910495	10	4910496	5	4910497	2	4910499	3	4910500	2
LSES 80 LG	0.9	4910508	5	4910509	1	4910510	2	4910512	1	4910513	2
LSES 90 SL	1.1	4910521	10	4910522	5	4910523	2	4910525	3	4910526	2
LSES 90 LU	1.5	4910534	10	4910535	5	4910536	2	4910538	3	4910539	2
LSES 100 L	1.8	4910547	2	4910548	5	4910549	2	4910551	1	4910552	2
LSES 100 LR	2.2	4910560	10	4910561	5	4910562	2	4910564	3	4910565	2
LSES 100 LG	3	4910573	10	4910574	2	4910575	5	4910577	3	4910578	2
LSES 112 MU	4	4910586	10	4910587	2	4910588	5	4910590	3	4910591	2
LSES 132 SM	5.5	4910599	5	4910600	2	4910601	5	5021132	3	5018839	2
LSES 132 M	7.5	5300757	2	5300762	2	5300776	1	5300777	1	5300778	1
LSES 160 MR	9	4910625	2	4910626	2	4910627	1	4910629	1	4910630	1
LSES 160 M	11	4910636	2	4910637	2	4910638	1				
LSES 160 L	15	5284629	1	5284631	1	5284634	1				
LSES 180 M	18.5	4910654	1	4910655	1	4910656	1				
LSES 180 LUR	22	4910661	1	4910662	1	4910663	1				
LSES 200 LU	30	4910668	1	4910669	1	4910670	1				
LSES 225 SR	37	4918186	1	4918187	1	4918188	1				
LSES 225 MG	45	4910675	1	4910676	1	4910677	1				
LSES 250 ME	55	4910682	-			4910684	-				
LSES 280 SD	75	4910688	-			4910690	-				
LSES 280 MD	90	4910694	-			4910696	-				
LSES 315 SP	110	4910700	-			4910702	-				
LSES 315 MP	132	4910706	-			4910708	-				
LSES 315 MP	160	4910712	-			4910714	-				

⁽¹⁾ IMB5/IMV1 - IMB35/IMV15 - IMB14/IMV18 - IMB34/IMV58 motors for frame size 80 to 225

In standard, motors equipped with PTC 150°C sensor for frame size ≥ 160

4 poles
1500 min⁻¹

380 V Δ / 400 V Δ / 415 V Δ / 690 V Y 50 Hz - 460 V Δ 60 Hz											
Type	Rated power at 50/60 Hz P _n kW	IM 1001 (IM B3)		IM 3001 ⁽¹⁾ (IM B5)		IM 2001 ⁽¹⁾ (IM B35)		IM 3601 ⁽¹⁾ (IM B14)		IM 2101 ⁽¹⁾ (IM B34)	
		Code	Max. qty	maxi	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty
LSES 100 LR	2.2	4910724	-	4910725	-	4910726	-	4910728	-	4910729	-
LSES 100 LG	3	4910737	-	4910738	-	4910739	-	4910741	2	4910742	2
LSES 112 MU	4	4910750	5	4910751	2	4910752	-	4910754	2	4910755	2
LSES 132 SM	5.5	4910763	5	4910764	2	4910765	-	5021133	2	5021083	2
LSES 132 M	7.5	5300716	5	5300761	5	5300771	1	5300772	1	5300773	1
LSES 160 MR	9	4910789	2	4910790	2	4910791	1	4910793	1	4910794	1
LSES 160 M	11	4910800	2	4910801	2	4910802	1				
LSES 160 L	15	5284608	2	5284618	2	5284625	2				
LSES 180 M	18.5	4910818	2	4910819	2	4910820	2				
LSES 180 LUR	22	4910825	2	4910826	2	4910827	2				
LSES 200 LU	30	4910832	2	4910833	1	4910834	2				
LSES 225 SR	37	4918552	2	4918553	1	4918554	2				
LSES 225 MG	45	4910839	2	4910840	1	4910841	2				
LSES 250 ME	55	4910846	1			4910848	1				
LSES 280 SD	75	4910852	1			4910854	1				
LSES 280 MD	90	4910858	1			4910860	1				
LSES 315 SP	110	4910864	1			4910866	1				
LSES 315 MP	132	4910870	1			4910872	1				
LSES 315 MP	160	4910876	1			4910878	1				
LSES 315 MR	200	4910882	1			4910884	1				

⁽¹⁾ IMB5/IMV1 - IMB35/IMV15 - IMB14/IMV18 - IMB34/IMV58 motors for frame size 80 to 225

In standard, motors equipped with PTC 150°C sensor for frame size ≥ 160

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D	D + 1	D + 2	D + 5	D + 10	Please consult
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6 poles
1000 min⁻¹

230 V Δ / 380 V Y / 400 V Y / 415 V Y 50 Hz

Type	Rated power at 50 Hz P _n kW	IM 1001 (IM B3)		IM 3001 ⁽¹⁾ (IM B5)		IM 2001 ⁽¹⁾ (IM B35)		IM 3601 ⁽¹⁾ (IM B14)		IM 2101 ⁽¹⁾ (IM B34)	
		Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty	Code	Max. qty
LSES 90 SL	0.75	4910886	2	4910887	2	4910888	2	4910890	2	4910891	1
LSES 90 LU	1.1	4910899	2	4910900	2	4910901	2	4910903	2	4910904	1
LSES 100 LG	1.5	4910912	2	4910913	2	4910914	2	4910916	2	4910917	1
LSES 112 MU	2.2	4910925	2	4910926	2	4910927	2	4910929	2	4910930	1
LSES 132 SM	3	4910938	2	4910939	1	4910940	1	5021134	1	5021085	1
LSES 132 M	4	4910951	1	4910952	1	4910953	1	5021135	1	5021086	1
LSES 132 MU	5.5	4910964	1	4910965	1	4910966	1	5021136	1	5021087	1
LSES 160 MU	7.5	4910977	-	4910978	-	4910979	-	-	-	-	-
LSES 180 L	11	4910984	-	4910985	-	4910986	-	-	-	-	-
LSES 180 LUR	15	4910991	-	4910992	-	4910993	-	-	-	-	-
LSES 200 L	18.5	4910998	-	4910999	-	4911000	-	-	-	-	-
LSES 200 LU	22	4911005	-	4911006	-	4911007	-	-	-	-	-
LSES 225 MG	30	4911012	-	4911013	-	4911014	-	-	-	-	-
LSES 250 ME	37	4911019	-	-	-	4911021	-	-	-	-	-
LSES 280 SC	45	4911025	-	-	-	4911027	-	-	-	-	-
LSES 280 MD	55	4911029	-	-	-	4911031	-	-	-	-	-
LSES 315 SP	75	4911033	-	-	-	4911035	-	-	-	-	-
LSES 315 MP	90	4911037	-	-	-	4911039	-	-	-	-	-
LSES 315 MR	110	4911041	-	-	-	4911043	-	-	-	-	-
LSES 315 MR	132	4911045	-	-	-	4911047	-	-	-	-	-

⁽¹⁾ IMB5/IMV1 - IMB35/IMV15 - IMB14/IMV18 - IMB34/IMV58 motors for frame size 80 to 225

In standard, motors equipped with PTC 150°C sensor for frame size ≥ 160

6 poles
1000 min⁻¹

380 V Δ / 400 V Δ / 415 V Δ / 690 V Y 50 Hz

Type	Rated power at 50 Hz P _n kW	IM 1001 (IM B3)		IM 2001 ⁽¹⁾ (IM B35)		IM 2101 ⁽¹⁾ (IM B34)	
		Code	Max. qty	Code	Max. qty	Code	Max. qty
LSES 100 LG	1.5	4911049	-	4911050	-	4911052	-
LSES 112 MU	2.2	4911056	-	4911057	-	4911059	-
LSES 132 SM	3	4911063	-	4911064	-	5021089	-
LSES 132 M	4	4911070	1	4911071	1	5021091	1
LSES 132 MU	5.5	4911077	1	4911078	1	5021092	1
LSES 160 MU	7.5	4911084	1	4911085	-	-	-
LSES 180 L	11	4911088	1	4911089	-	-	-
LSES 180 LUR	15	4911092	1	4911093	-	-	-
LSES 200 L	18.5	4911096	1	4911097	-	-	-
LSES 200 LU	22	4911100	1	4911101	-	-	-
LSES 225 MG	30	4911104	1	4911105	-	-	-
LSES 250 ME	37	4911108	-	4911109	-	-	-
LSES 280 SC	45	4911112	-	4911113	-	-	-
LSES 280 MD	55	4911114	-	4911115	-	-	-
LSES 315 SP	75	4911116	-	4911117	-	-	-
LSES 315 MP	90	4911118	-	4911119	-	-	-
LSES 315 MR	110	4911120	-	4911121	-	-	-
LSES 315 MR	132	4911122	-	4911123	-	-	-

⁽¹⁾ IMB35/IMV15 - IMB34/IMV58 motors for frame size 100 to 225

In standard, motors equipped with PTC 150°C sensor for frame size ≥ 160

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Class IE3

Options

AVAILABILITY TIMES EX WORKS (FRANCE), IN WORKING DAYS

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2 poles
3000 min⁻¹

4 poles
1500 min⁻¹

6 poles
1000 min⁻¹

Type	Operating position (drain holes at the lowest point)						Fan cover	
	IM V1 IM 3011	IM V3 IM 3031	IM V5 IM 1011	IM V6 IM 1031	IM V18 IM 3611	IM V19 IM 3631	Steel cover	Drip cover
LSES 80								
LSES 90								
LSES 100								
LSES 112								
LSES 132								
LSES 160								
LSES 180								
LSES 200								
LSES 225								
LSES 250								
LSES 280								
LSES 315								

Maximum quantity per order ≤ 2 units for types 80 to 112 and 1 unit from type 132 upwards. It must not exceed the maximum quantity of the basic product. The requested delivery time must not be shorter than that for the basic product.

Type	Flanges with smooth holes (FF)				Face Mounted (FT)						
	F115	F130	F165	F215	F75	F85	F100	F115	F130	F165	F215
LSES 63											
LSES 71											
LSES 80											
LSES 90											
LSES 100											
LSES 112											

Maximum quantity per order ≤ 2 units for types 80 to 112 and 1 unit from type 132 upwards. It must not exceed the maximum quantity of the basic product. The requested delivery time must not be shorter than that for the basic product.

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Options

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D	D + 1	D + 2	D + 5	D + 10	Please consult
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Type	Cable gland	
	Plastic or brass (with metal terminal box)	Forced ventilation
LSES 80		
LSES 90		
LSES 100		
LSES 112		
LSES 132		
LSES 160		
LSES 180		
LSES 200		
LSES 225		
LSES 250		
LSES 280		
LSES 315		

⁽¹⁾ Cable length: 1 metre. Number of conductors: 6 + 1 (cross-section according to the power ratings and the supply voltage). Cable connected to the terminal block. Standard terminal box.

Maximum quantity per order ≤ 2 units for types 80 to 112 and 1 unit from type 132 upwards.

It must not exceed the maximum quantity of the basic product. The requested delivery time must not be shorter than that for the basic product.

Type	PTO	PTC*	Other options					
	Normally closed thermal protection	Positive temperature coefficient thermistors	Metal terminal box	Stainless steel nameplate	Roller bearings ⁽¹⁾	Insulated rear bearings + shaft grounding ring	Space heaters	SIR Reinforced insulation system*
LSES 80								
LSES 90								
LSES 100								
LSES 112								
LSES 132								
LSES 160								
LSES 180								
LSES 200								
LSES 225								
LSES 250								
LSES 280								
LSES 315								

⁽¹⁾ Impossible option for 2-pole motors

Maximum quantity per order ≤ 2 units for types 80 to 112 and 1 unit from type 132 upwards.

It must not exceed the maximum quantity of the basic product. The requested delivery time must not be shorter than that for the basic product.

* PTC 150°C

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