

IMfinity® 3-phase induction motors - IE2 - IE3 - IE4 - Non IE Efficiency

IP55 Aluminium frame

Electrical and mechanical characteristics

IE3 - Powered by the mains

Type	Rated power P _n kW	Rated torque M _n N.m	Starting torque/ Rated torque M _d /M _n	Maximum torque/ Rated torque M _m /M _n	Starting current/Rated current I _d /I _n	Moment of inertia J kg.m ²	Weight IM B3 kg	Noise LP db(A)	400V / 50Hz							
									Rated speed N _n min ⁻¹	Rated current I _n A	Efficiency IEC 60034-2-1 2014 η			Power factor Cos φ		
											4/4	3/4	2/4	4/4	3/4	2/4
2 poles																
LSES 80L	0.75	2.5	3.45	3.45	7.75	0.00095	10.4	58	2890	1.6	82.40	82.40	80.20	0.83	0.76	0.64
LSES 80LG	1.1	3.65	2.65	3.25	7.00	0.00223	14.1	64	2885	2.2	85.60	86.90	86.70	0.85	0.80	0.69
LSES 90SL	1.5	4.95	2.95	3.25	7.45	0.00223	15.6	64	2890	3	85.30	86.30	85.50	0.84	0.78	0.67
LSES 90L	1.8	5.95	3.11	3.39	7.52	0.00292	15.6	67	2900	3.75	85.60	86.30	85.60	0.81	0.74	0.61
LSES 90LU	2.2	7.25	3.1	3.4	8	0.00292	20.4	67	2895	4.25	86.90	88.10	87.80	0.86	0.80	0.69
LSES 100L	3	10	3.53	3.43	8.35	0.00364	24.6	67	2885	5.8	87.10	88.30	88.00	0.86	0.81	0.71
LSES 100LG	3.7	12.1	2.08	3.02	7.39	0.00941	32.4	71	2930	6.7	89.30	90.20	89.90	0.89	0.85	0.77
LSES 112MG	4	13.1	2	2.9	7.1	0.00941	32.7	71	2920	7.2	89.00	90.10	90.10	0.90	0.86	0.78
LSES 112MU	5.5	18	2.3	3.05	7.55	0.01116	34.4	63	2925	10.1	89.40	90.50	90.50	0.88	0.84	0.75
LSES 132S	5.5	18	2.3	3.05	7.55	0.01116	39.2	63	2925	10.1	89.40	90.50	90.50	0.88	0.84	0.75
LSES 132SM	7.5	24.4	2.1	2.9	6.8	0.01102	55.7	67	2935	13.8	91.20	92.10	92.10	0.86	0.83	0.74
LSES 132M	9	29.2	2.15	3.25	7.65	0.01203	59.3	67	2945	16.7	91.70	92.40	92.20	0.85	0.81	0.72
LSES 132MU	11	35.7	1.9	2.9	6.95	0.0139	62.6	72	2940	19.9	91.50	92.30	92.10	0.87	0.83	0.74
LSES 160MP	11	35.7	1.9	2.9	6.95	0.0139	70.5	72	2940	19.9	91.50	92.30	92.10	0.87	0.83	0.74
LSES 160M	15	48.6	2.3	2.75	7.86	0.049	95	69	2945	26.5	91.90	92.60	92.60	0.89	0.87	0.81
LSES 160L	18.5	59.9	2.8	3.15	7.6	0.0551	100	68	2950	32.8	92.60	93.30	93.20	0.88	0.84	0.76
LSES 180MR	22	71.1	3.15	3.15	8.67	0.0628	110	69	2954	38.7	93.20	93.90	94.00	0.88	0.85	0.77
LSES 200LR	30	97.3	2.6	3.05	7.65	0.1106	170	73	2945	51.5	93.50	94.20	94.40	0.90	0.88	0.83
LSES 200L	37	120	2	3.05	7.08	0.2492	201	73	2945	63.9	93.90	94.50	94.40	0.89	0.87	0.81
LSES 225MR	45	145	2.67	3.42	7.88	0.1597	227	76	2962	79.7	94.80	95.10	94.70	0.86	0.82	0.73
LSES 250MZ	55	178	2.45	3.45	7.9	0.1754	234	72	2954	97.5	94.70	95.20	95.20	0.86	0.82	0.74
LSES 280SC	75	241	2.3	3.3	8.05	0.4092	350	79	2970	126	95.20	95.50	95.10	0.90	0.88	0.82
LSES 280MC	90	289	2.5	3.6	8.5	0.476	396	80	2972	151	95.50	95.80	95.50	0.90	0.87	0.82
LSES 315SN	110	354	2.55	3.1	8	0.5343	452	79	2968	185	95.50	95.90	95.80	0.90	0.88	0.84
LSES 315MP	132	423	2.25	3.2	7.73	0.5784	660	80	2978	226	96.00	96.00	95.40	0.88	0.86	0.81
LSES 315MP	160	513	2.2	3.3	7.7	1.2646	705	80	2978	274	95.80	95.90	94.30	0.88	0.86	0.80
LSES 315MP	200	642	2.15	3.5	7.8	1.3841	780	80	2974	342	96.00	96.20	95.90	0.88	0.86	0.80
4 poles																
LSES 80LG	0.75	4.95	2.2	2.95	6.39	0.00335	13.6	48	1450	1.6	83.60	84.30	83.00	0.81	0.73	0.59
LSES 80L	0.9	5.9	2.58	3.08	6.26	0.00381	13.7	48	1452	1.95	83.80	84.40	83.80	0.79	0.70	0.57
LSES 90SL	1.1	7.25	2.45	3.2	6.90	0.00418	16.2	45	1450	2.3	84.80	85.70	85.00	0.81	0.74	0.61
LSES 90L	1.5	9.85	2.9	3.7	7.65	0.00524	20.4	51	1452	3.2	85.60	86.20	85.10	0.79	0.70	0.57
LSES 100L	1.8	11.8	2.41	2.73	6.42	0.00561	23.7	48	1456	3.8	86.60	87.30	86.10	0.79	0.71	0.57
LSES 100LR	2.2	14.4	3.2	3.75	7.96	0.00676	25.8	47	1454	4.65	87.10	87.70	86.70	0.78	0.70	0.57
LSES 100LG	3	19.6	2.45	3.25	7.21	0.01152	29.5	55	1464	6	89.20	89.90	89.90	0.81	0.74	0.61
LSES 112MU	4	26.2	2.7	3.1	7.23	0.01312	37	54	1456	7.9	88.90	89.80	89.60	0.82	0.77	0.65
LSES 132SM	5.5	35.9	2.8	3.6	8.39	0.02286	52	59	1462	10.5	90.30	91.00	90.60	0.84	0.77	0.65
LSES 132MU	7.5	49.1	2.95	3.35	8.12	0.02965	62.6	61	1458	13.8	90.40	91.50	91.90	0.87	0.82	0.73
LSES 160MR	9	58.7	3.1	3.65	8.69	0.03574	77.8	62	1464	17	91.00	91.80	91.70	0.84	0.78	0.67
LSES 160M	11	71.7	2.25	3.05	7.36	0.0712	93	59	1466	20.2	91.40	92.40	92.60	0.86	0.82	0.73
LSES 160LUR	15	97.6	2.55	3.45	8.47	0.0954	100	58	1468	27.3	92.10	92.90	93.00	0.86	0.82	0.72
LSES 180M	18.5	120	2.95	2.85	7.75	0.1333	130	68	1468	33.9	92.80	93.60	93.50	0.85	0.81	0.72
LSES 180LUR	22	143	3.25	3.15	8.16	0.1555	155	68	1470	41.1	93.00	93.40	93.30	0.83	0.79	0.69
LSES 200LU	30	194	3	2.8	7.31	0.2704	225	63	1476	55	93.70	94.30	94.10	0.84	0.79	0.70
LSES 225SR	37	239	3.25	3.15	7.95	0.2897	236	63	1480	70.2	93.90	94.20	93.80	0.81	0.76	0.65
LSES 225MG	45	289	2.31	2.86	7.25	0.6573	318	70	1486	83.6	94.80	95.00	94.50	0.82	0.77	0.66
LSES 250ME	55	354	2.3	2.7	7.3	0.7793	350	69	1484	101	94.70	95.10	95.00	0.83	0.79	0.70
LSES 280SD	75	482	2.45	3.2	8.08	0.9595	428	69	1486	139	95.00	95.20	94.90	0.82	0.78	0.69
LSES 280MD	90	579	2.6	3.45	8.35	1.0799	470	68	1484	168	95.50	95.70	95.40	0.81	0.76	0.65
LSES 315SP	110	707	3.1	2.85	7.57	2.4322	630	76	1486	200	95.60	95.60	94.90	0.83	0.78	0.69
LSES 315MP	132	847	3.05	2.75	7.24	3.223	390	76	1488	237	95.90	96.00	95.50	0.84	0.80	0.70
LSES 315MP	160	1030	2.55	2.8	7.2	3.223	740	76	1486	291	95.80	95.70	95.20	0.83	0.78	0.67
LSES 315MR	200	1290	2.95	2.9	7.38	3.2324	820	76	1486	362	96.00	96.00	95.50	0.83	0.79	0.68
6 poles																
LSES 90SL	0.75	7.5	1.86	2.32	4.34	0.00378	15.9	56	952	1.95	79.20	80.00	79.10	0.71	0.62	0.48
LSES 90LU	1.1	11	2.35	2.7	4.85	0.00519	21.5	56	956	2.75	81.90	82.30	80.30	0.70	0.61	0.47
LSES 100LG	1.5	14.8	2.35	2.8	5.65	0.01523	30.1	43	966	3.6	83.80	84.40	82.90	0.72	0.63	0.50
LSES 112MU	2.2	21.7	2.3	2.75	5.45	0.01899	37.3	46	966	5.4	84.30	84.80	83.50	0.70	0.61	0.49
LSES 132SM	3	29.5	2.75	3.15	6.6	0.02528	48	50	972	6.8	87.50	88.00	86.90	0.73	0.65	0.53
LSES 132M	4	39.3	2.65	2.9	6.41	0.03027	53.8	56	972	9.05	87.40	88.10	87.10	0.73	0.65	0.53
LSES 132MU	5.5	54.4	2.6	2.85	6.4	0.03699	63.4	57	966	11.7	88.10	89.20	89.10	0.77	0.70	0.58
LSES 160MU	7.5	73.2	2.0	3.05	6.93	0.1295	90	58	978	16.1	89.60	89.74	88.38	0.75	0.67	0.54
LSES 180L	11	107	3.05	3.45	8.65	0.2048	130	62	982	22.6	91.10	91.30	90.30	0.77	0.70	0.57
LSES 180LUR	15	146	3.05	3.15	8.42	0.253	165	63	980	30.7	91.50	91.90	91.30	0.77	0.70	0.58
LSES 200L	18.5	180	2.2	2.85	7.07	0.33	200	61	980	36.2	92.10	92.80	92.60	0.80	0.75	0.66
LSES 200LU	22	214	2.8	3.55	7.35	0.3901	236	62	980	44.6	92.50	92.96	92.53	0.77	0.71	0.61
LSES 225MG	30	291	2.25	2.45	6.6	0.7222	284	64	986	55.3	93.30	93.70	93.30	0.84	0.80	0.70
LSES 250ME	37	358	2.35	2.8	7.07	0.9234	310	64	986	66.9	93.90	94.40	94.30	0.85	0.81	0.72
LSES 280SC	45	437	2.2	2.45	6.62	1.1279	377	64	984	80.4	93.90	94.50	94.50	0.86	0.83	0.74
LSES 280MD	55	533	2.8	3	7.66	1.3995	444	59	986	98.6	94.70	95.20	95.00	0.85	0.81	0.72
LSES 315SP	75	723	2.95	2.55	7.5	2.8937	630	71	990	146	94.90	95.00	94.20	0.78	0.73	0.61
LSES 315MP	90	868	3.05	2.65	7.8	3.4127	700	75	990	171	95.20	95.10	94.44	0.79	0.74	0.64
LSES 315MR	110	1060	2.95	2.1	7.45	3.0776	770	72	990	208	95.40	95.60	95.10	0.80	0.76	0.66
LSES 315MR	132	1270	2.7	2.15	7.16	4.6331	860	76	990	249	95.50	95.70	95.30	0.80	0.75	0.65

IMfinity® 3-phase induction motors - IE2 - IE3 - IE4 - Non IE Efficiency

IP55 Aluminium frame

Electrical and mechanical characteristics

IE3 - Powered by the mains

IP55 ALUMINIUM MOTORS

Type	Rated power at 50Hz P _n kW	380V / 50Hz				415V / 50Hz				460V / 60Hz				
		Rated speed	Rated current	Efficiency	Power factor	Rated speed	Rated current	Efficiency	Power factor	Rated speed	Rated torque at 60Hz	Rated current	Efficiency	Power factor
		N _n min ⁻¹	I _n A	η 4/4	Cos φ 4/4	N _n min ⁻¹	I _n A	η 4/4	Cos φ 4/4	N _n min ⁻¹	M _n Nm	I _n A	η 4/4	Cos φ 4/4
2 poles														
LSES 80L	0.75	2875	1.65	81.60	0.85	2900	1.55	82.30	0.81	3505	2.04	1.40	83.30	0.80
LSES 80LG	1.1	2865	2.25	84.60	0.87	2895	2.1	86.20	0.84	3505	3	1.90	87.00	0.83
LSES 90SL	1.5	2880	3.15	84.40	0.86	2900	2.9	86.10	0.83	3510	4.08	2.65	86.90	0.82
LSES 90L	1.8	2885	3.85	85.00	0.84	2910	3.75	85.70	0.78	3515	4.89	3.30	86.90	0.82
LSES 90LU	2.2	2875	4.4	85.90	0.88	2905	4.1	87.30	0.85	3505	5.99	3.70	88.20	0.85
LSES 100L	3	2870	5.95	87.10	0.88	2900	5.65	87.60	0.84	-	-	-	-	-
LSES 100LG	3.7	2915	7.05	88.60	0.90	2935	6.35	89.80	0.88	3545	9.97	5.85	90.30	0.88
LSES 112MG	4	2905	7.6	88.10	0.91	2930	6.95	89.70	0.89	3535	10.81	6.25	90.00	0.89
LSES 112MU	5.5	2910	10.4	89.20	0.90	2930	9.8	89.80	0.87	3540	14.84	8.75	90.70	0.87
LSES 132S	5.5	2910	10.4	89.20	0.90	2930	9.8	89.80	0.87	3540	14.84	8.75	90.70	0.87
LSES 132SM	7.5	2925	14.3	90.40	0.88	2945	13.4	91.50	0.85	3550	20.17	12.00	92.10	0.85
LSES 132M	9	2935	17.2	91.20	0.87	2950	16.4	91.90	0.83	3558	24.16	14.40	92.40	0.85
LSES 132MU	11	2930	20.8	91.20	0.88	2945	19.6	91.80	0.85	3552	29.57	17.40	92.20	0.86
LSES 160MP	11	2930	20.8	91.20	0.88	2945	19.6	91.80	0.85	3552	29.57	17.40	92.20	0.86
LSES 160M	15	2935	27.6	91.90	0.90	2950	25.4	92.20	0.89	3550	40.35	22.90	92.40	0.89
LSES 160L	18.5	2945	34.1	92.40	0.89	2954	32.2	92.90	0.86	3558	49.65	28.60	93.40	0.87
LSES 180MR	22	2945	40.6	92.60	0.89	2958	38.1	93.50	0.86	3564	58.9	33.80	94.00	0.87
LSES 200LR	30	2935	54.3	93.30	0.90	2954	50	93.80	0.89	3556	80.6	44.50	94.00	0.90
LSES 200L	37	2930	66.8	93.70	0.90	2950	62	94.20	0.88	3552	99.5	56.20	93.90	0.88
LSES 225MR	45	2954	82.2	94.50	0.88	2962	79.5	94.90	0.83	3566	121	69.80	95.20	0.85
LSES 250MZ	55	2945	101	94.20	0.88	2958	96	94.90	0.84	3564	147	84.20	95.30	0.86
LSES 280SC	75	2964	133	95.00	0.90	2974	123	95.50	0.89	3574	200	110.00	95.30	0.90
LSES 280MC	90	2968	159	95.30	0.90	2972	147	95.50	0.89	3574	240	133.00	95.50	0.89
LSES 315SN	110	2962	194	95.20	0.91	2970	179	95.60	0.89	3574	294	160.00	95.80	0.90
LSES 315MP	132	2974	235	95.80	0.89	2984	220	96.00	0.87	3580	352	236.00	95.90	0.89
LSES 315MP	160	2974	283	95.80	0.90	2978	264	96.20	0.88	3580	427	236.00	95.90	0.89
LSES 315MP	200	2970	356	95.80	0.89	2980	328	96.10	0.86	3580	533	297.00	96.10	0.88
4 poles														
LSES 80LG	0.75	1440	1.65	82.60	0.83	1452	1.6	83.70	0.78	1758	4.07	1.45	85.10	0.77
LSES 80LG	0.9	1445	2	83.30	0.82	1456	1.95	84.10	0.79	1760	4.88	1.75	85.70	0.76
LSES 90SL	1.1	1445	2.35	84.10	0.84	1454	2.25	85.40	0.79	1760	5.97	2.05	86.60	0.78
LSES 90LU	1.5	1445	3.25	85.30	0.82	1456	3.2	85.70	0.76	1760	8.14	2.85	87.20	0.76
LSES 100L	1.8	1445	3.9	86.00	0.82	1458	3.75	86.80	0.79	1762	9.76	3.35	88.20	0.76
LSES 100LR	2.2	1445	4.75	86.70	0.81	1456	4.6	87.30	0.76	-	-	-	-	-
LSES 100LG	3	1456	6.2	88.70	0.83	1466	6	89.20	0.78	1770	16.2	5.25	90.50	0.79
LSES 112MU	4	1452	8.05	88.60	0.85	1460	7.8	89.00	0.80	1764	21.65	7.05	90.30	0.79
LSES 132SM	5.5	1456	10.8	89.70	0.86	1466	10.3	90.60	0.82	1770	29.67	9.20	91.70	0.82
LSES 132MU	7.5	1450	14.3	90.40	0.88	1462	13.5	90.90	0.85	1766	40.55	12.10	91.80	0.85
LSES 160MR	9	1458	17.5	90.90	0.86	1466	16.7	91.30	0.84	1768	48.6	14.90	92.20	0.82
LSES 160M	11	1462	20.8	91.40	0.88	1470	19.6	91.70	0.85	1774	59.2	17.60	92.50	0.85
LSES 160LUR	15	1464	28.6	91.50	0.87	1472	26.6	92.40	0.85	1774	80.7	24.00	93.20	0.84
LSES 180M	18.5	1466	34.9	92.60	0.87	1474	32.9	93.00	0.84	1774	99.6	29.50	93.60	0.84
LSES 180LUR	22	1466	42.3	93.00	0.85	1474	40.5	93.20	0.81	1770	119	36.30	93.80	0.81
LSES 200LU	30	1472	57.3	93.60	0.85	1478	54.1	94.10	0.82	1778	161	48.00	94.50	0.83
LSES 225SR	37	1476	72.1	93.90	0.83	1482	69.4	93.90	0.79	1782	198	61.40	94.50	0.80
LSES 225MG	45	1486	87.2	94.50	0.83	1488	82.5	94.90	0.80	1788	240	73.40	95.00	0.81
LSES 250ME	55	1482	105	94.60	0.84	1486	98.4	94.90	0.82	1786	294	88.10	95.40	0.82
LSES 280SD	75	1484	143	95.00	0.84	1486	135	95.10	0.81	1788	401	120.00	95.50	0.82
LSES 280MD	90	1482	173	95.30	0.83	1488	165	95.50	0.79	1788	481	147.00	95.80	0.80
LSES 315SP	110	1486	206	95.40	0.85	1488	195	95.70	0.82	1788	587	173.00	95.90	0.83
LSES 315MP	132	1486	247	95.60	0.85	1488	233	95.90	0.82	1790	704	207.00	96.20	0.83
LSES 315MP	160	1484	299	95.80	0.85	1488	289	95.80	0.80	1790	854	255.00	96.20	0.82
LSES 315MR	200	1484	372	96.00	0.85	1488	358	96.00	0.81	1790	1067	314.00	96.30	0.84
6 poles														
LSES 90SL	0.75	945	1.95	78.90	0.75	956	1.95	79.70	0.68	-	-	-	-	-
LSES 90L	1.1	950	2.8	81.30	0.74	960	2.8	81.90	0.67	-	-	-	-	-
LSES 100L	1.5	962	3.75	82.80	0.73	970	3.65	83.70	0.68	-	-	-	-	-
LSES 112MG	2.2	960	5.45	84.30	0.73	970	5.4	84.30	0.67	-	-	-	-	-
LSES 132S	3	968	6.8	86.90	0.77	974	6.75	87.70	0.71	-	-	-	-	-
LSES 132M	4	968	9.2	86.80	0.76	974	9.05	87.70	0.70	-	-	-	-	-
LSES 132M	5.5	960	12	88.00	0.79	968	11.5	88.60	0.75	-	-	-	-	-
LSES 160M	7.5	976	16.6	89.30	0.77	980	15.9	97.70	0.73	-	-	-	-	-
LSES 160LUR	11	980	23.2	91.00	0.79	984	22.4	91.40	0.75	1182	88.9	20.1	91.70	0.75
LSES 180L	15	976	31.6	91.20	0.79	982	30.8	91.60	0.74	1184	121	27.2	92.40	0.75
LSES 200LR	18.5	976	37.4	91.70	0.82	982	35.3	92.30	0.79	-	-	-	-	-
LSES 200L	22	978	43.8	92.23	0.79	984	42.2	92.74	0.74	-	-	-	-	-
LSES 225MR	30	984	57.1	92.90	0.86	986	53.9	93.30	0.83	1186	242	49.6	93.40	0.85
LSES 250ME	37	984	69	93.60	0.87	988	65.9	94.10	0.83	1188	297	60.0	94.10	0.86
LSES 280SC	45	982	83.9	93.70	0.87	986	78.4	94.00	0.85	1186	362	71.8	94.50	0.87
LSES 280MD	55	984	102	94.30	0.87	988	96.1	94.80	0.84	1190	441	85.3	95.20	0.85
LSES 315SP	75	990	150	94.80	0.80	992	144	95.10	0.76	1192	601	131	95.20	0.79
LSES 315MP	90	990	178	94.90	0.81	992	169	95.10	0.78	1192	721	150	95.00	0.78
LSES 315MR	110	988	214	95.10	0.82	992	205	95.70	0.78	1192	881	182	95.80	0.79
LSES 315MR	132	990	260	95.40	0.81	990	247	95.50	0.78	1192	1057	219	95.80	0.79

IMfinity® 3-phase induction motors - IE2 - IE3 - IE4 - Non IE Efficiency

IP55 Aluminium frame

Electrical and mechanical characteristics

IE3 - Powered by the drive

Type	400V / 50Hz				Rated torque M _n at S1 continuous duty					400V / 87Hz Δ				Maximum mechanical speed ¹
	Rated power	Rated speed	Rated current	Power factor	10Hz	17Hz	25Hz	50Hz	87Hz	Rated power	Rated speed	Rated current	Power factor	
	P kW	N min ⁻¹	I _n A	Cos φ 4/4	N.m	N.m	N.m	N.m	N.m	P kW	N min ⁻¹	I _n A	Cos φ 4/4	
2 poles														
LSES 80 L	0.75	2890	1.7	0.83	2.3	2.5	2.5	2.5	1.4	1.3	5006	2.9	0.83	13500
LSES 80 LG	1.1	2885	2.4	0.85	3.1	3.7	3.7	3.7	2.1	1.9	4997	4.1	0.85	11700
LSES 90 SL	1.5	2890	3.2	0.85	4.2	5.0	5.0	5.0	2.8	2.6	5006	5.5	0.85	11700
LSES 90 LU	2.2	2895	4.5	0.86	6.2	7.3	7.3	7.3	4.2	3.8	5014	7.9	0.86	11700
LSES 100 L	3	2885	6.1	0.86	8.5	10	10	10	5.7	5.2	4997	10.7	0.86	9900
LSES 112 MG	4	2920	7.9	0.89	11.1	13.1	13.1	13.1	7.5	7	5058	13.8	0.89	9900
LSES 132 S	5.5	2925	10.9	0.87	15.3	18.0	18.0	18.0	10.3	9.6	5066	19	0.87	6700
LSES 132 SM	7.5	2935	14.7	0.86	20.7	23.2	24.4	24.4	14	13.1	5084	25.6	0.86	6700
LSES 132 M	9	2945	17.5	0.86	24.8	27.7	29.2	29.2	16.8	15.7	5101	30.5	0.86	6700
LSES 160 MP	11	2940	21.3	0.86	30.4	33.9	35.7	35.7	20.5	19.1	5092	37.1	0.86	6700
LSES 160 MP	15	2945	28.7	0.88	41.3	46.2	48.6	48.6	27.9	26.1	5101	49.9	0.88	6000
LSES 160 L	18.5	2950	35	0.88	50.9	56.9	59.9	59.9	34.4	32.2	5110	61	0.88	6000
LSES 180 MR	22	2950	41.7	0.88	60.5	67.6	71.2	71.2	40.9	38.3	5110	72.5	0.88	5670
LSES 200 LR	30	2945	56	0.89	83	88	97	97	-	-	-	-	-	4500
LSES 200 LR	37	2945	69.5	0.89	96	108	120	120	-	-	-	-	-	4500
LSES 225 MR	45	2950	83.3	0.89	117	131	146	146	-	-	-	-	-	4320
LSES 250 MZ	55	2945	93.9	0.89	131	147	164	178	-	-	-	-	-	4320
LSES 280 SC	75	2970	135	0.9	205	217	241	241	-	-	-	-	-	4050
LSES 280 MC	90	2972	162	0.90	246	260	289	289	-	-	-	-	-	4050
LSES 315 SN	110	2968	199	0.9	301	319	354	354	-	-	-	-	-	3600
LSES 315 MP	132	2978	239	0.88	338	381	423	423	-	-	-	-	-	3600
LSES 315 MP	160	2978	290	0.88	410	462	513	513	-	-	-	-	-	3600
LSES 315 MP	200	2974	320	0.88	453	510	567	642	-	-	-	-	-	3600
4 poles														
LSES 80 LG	0.75	1450	1.7	0.80	4.5	5	5	5	2.8	1.31	2511	3	0.8	11700
LSES 90 SL	1.1	1450	2.4	0.81	6.5	7.3	7.3	7.3	4.2	1.91	2511	4.2	0.81	11700
LSES 90 LU	1.5	1452	3.3	0.79	8.9	9.9	9.9	9.9	5.7	2.61	2515	5.8	0.79	11700
LSES 100 LR	2.2	1454	4.8	0.79	13.0	14.4	14.4	14.4	8.3	3.83	2518	8.3	0.79	9900
LSES 100 LG	3	1460	6.4	0.81	17.6	19.6	19.6	19.6	11.3	5.22	2529	11.1	0.81	9900
LSES 112 MU	4	1458	8.4	0.8	23.6	26.2	26.2	26.2	15.1	6.96	2525	14.6	0.8	9900
LSES 132 SM	5.5	1462	11	0.85	32.3	32.3	35.9	35.9	20.6	9.57	2532	19.1	0.85	6700
LSES 132 MU	7.5	1458	14.9	0.86	44.2	44.2	49.1	49.1	28.2	13.05	2525	25.9	0.86	6700
LSES 160 MR	9	1464	17.8	0.85	52.8	52.8	58.7	58.7	33.7	15.66	2536	31	0.85	6000
LSES 160 MR	11	1466	21.6	0.85	61.0	68.1	71.7	71.7	41.2	19.14	2539	37.6	0.85	6000
LSES 160 LUR	15	1468	29.2	0.85	83.0	92.7	97.6	97.6	56.1	26.1	2543	50.8	0.85	5670
LSES 180 M	18.5	1468	36.3	0.85	96	108	120	120	69	32.19	2543	63.2	0.85	5670
LSES 180 LUR	22	1470	43.6	0.83	114	129	143	143	82	38.28	2546	75.9	0.83	4500
LSES 200 LU	30	1476	59.2	0.84	165	184	194	194	111	52.2	2557	103	0.84	4500
LSES 225 SR	37	1480	73	0.81	203	227	239	239	137	64.38	2584	127	0.81	4320
LSES 225 MG	45	1484	87.9	0.83	247	276	290	290	167	78.3	2570	153	0.83	4050
LSES 250 ME	55	1484	108	0.83	301	336	354	354	203	95.7	2570	188	0.83	4050
LSES 280 SD	75	1486	146	0.83	410	458	482	482	277	-	-	-	-	3420
LSES 280 MD	90	1484	176	0.82	492	550	579	579	333	-	-	-	-	3420
LSES 315 SP	110	1488	211	0.84	565	635	706	706	406	-	-	-	-	2700
LSES 315 MP	132	1486	250	0.85	678	763	848	848	487	-	-	-	-	2700
LSES 315 MP	160	1486	305	0.83	824	927	1030	1030	592	-	-	-	-	2700
LSES 315 MR	200	1486	356	0.83	978	1101	1223	1290	741	-	-	-	-	2700
6 poles														
LSES 90 SL	0.75	950	1.9	0.72	7.6	7.6	7.6	7.6	4.3	1.3	1645	3.4	0.72	11700
LSES 90 LU	1.1	956	2.8	0.71	11	11	11	11	6.3	1.9	1656	4.7	0.71	11700
LSES 100 LG	1.5	966	3.6	0.72	14.8	14.8	14.8	14.8	8.5	2.6	1673	6.6	0.72	9900
LSES 112 MU	2.2	966	5.4	0.70	21.7	21.7	21.7	21.7	12.5	3.8	1673	9.6	0.7	9900
LSES 132 SM	3	972	6.9	0.73	29.5	29.5	29.5	29.5	17.0	5.2	1684	12	0.73	6700
LSES 132 M	4	972	9	0.73	39.3	39.3	39.3	39.3	22.6	7	1684	16.2	0.73	6700
LSES 132 MU	5.5	966	11.8	0.76	54.4	54.4	54.4	54.4	31.3	9.6	1673	21.3	0.76	6700
LSES 160 MU	7.5	978	17.6	0.76	73.2	73.2	73.2	73.2	42.1	13.1	1694	28.4	0.76	6700
LSES 180 L	11	982	22.6	0.77	102	107	107	107	61	19.1	1701	40.8	0.77	5670
LSES 180 LUR	15	980	30.6	0.77	117	131	146	146	84	26.1	1697	55.7	0.77	4500
LSES 200 L	18.5	980	36.3	0.80	144	162	180	180	103	32.2	1697	66.5	0.8	4500
LSES 200 LU	22	980	44.6	0.77	171	193	214	214	123	38.3	1697	80.6	0.77	4500
LSES 225 MG	30	986	54.9	0.84	262	291	291	291	167	52.2	1708	102	0.84	4050
LSES 250 ME	37	986	66.6	0.85	322	358	358	358	206	64.4	1708	124	0.85	4050
LSES 280 SC	45	984	81.2	0.85	393	437	437	437	251	-	-	-	-	3420
LSES 280 MD	55	986	98.7	0.85	480	533	533	533	306	-	-	-	-	3420
LSES 315 SP	75	990	147	0.78	615	651	723	723	416	-	-	-	-	2700
LSES 315 MP	90	990	171	0.80	738	781	868	868	499	-	-	-	-	2700
LSES 315 MR	110	990	208	0.80	901	954	1060	1060	609	-	-	-	-	2700
LSES 315 MR	132	990	251	0.80	1080	1143	1270	1270	730	-	-	-	-	2700

(1) See Vibrations section on page 42

 Values given with a voltage drop of 30 V at the drive output

IP55 ALUMINIUM MOTORS