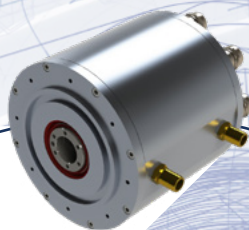




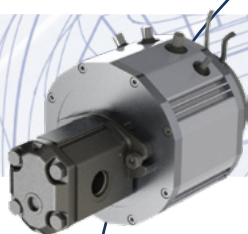
ELECTRIC MOTORS

Melegari E-Mobility

IV150 LC



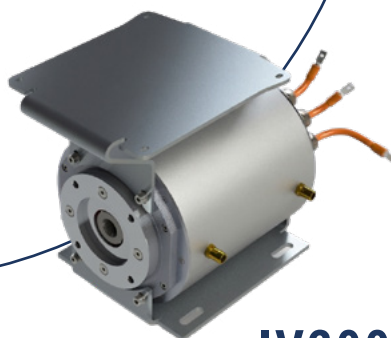
IS135



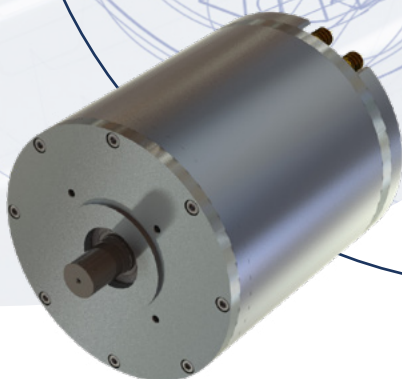
IV200



IV200 LC



ISPK240 LC



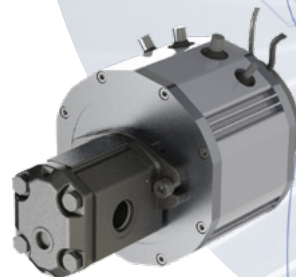
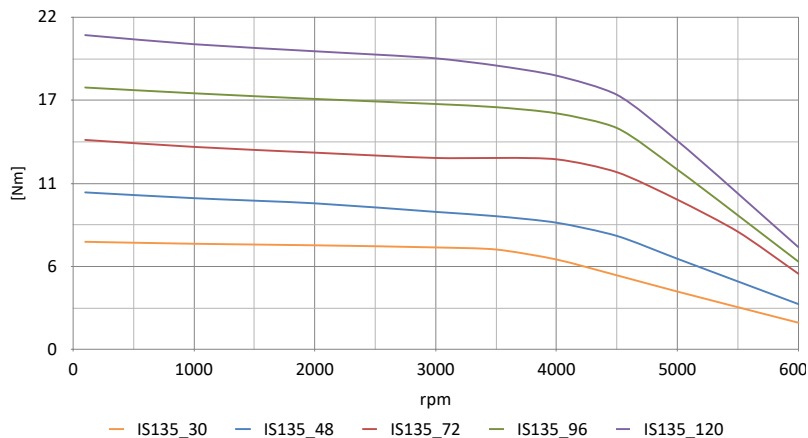
PMAC ELECTRIC MOTORS

PMAC IS135

Permanent Magnets AC motor

- B14/ SAE A / SAE B / Transaxle
- Removable T-shape feet: you can fit them on each side
- Suitable for Traction & Pumps
- High Efficiency
- Constant torque
- From IP 55 to IP 6K9K
- Sin-Cos inductive encoder
- Available with integrated brake

Nominal Torque S1



MODEL	DC BUS [V]	RATED CUR- RENT S1* [Arms]	RATED TORQUE S1 [Nm]	RATED SPEED S1* [rpm]	RATED POWER S1* [kW]	RATED CUR- RENT S3 50% [Arms]	RATED TORQUE S3 50% [Nm]	RATED CUR- RENT S3 25% [Arms]	RATED TORQUE S3 25% [Nm]	PEAK CUR- RENT [Arms]	PEAK TORQUE [Nm]	MAX SPEED [rpm]
IS-135-30_24	24	115	6,0	4000	2,5	163	8,4	230	11,9	115	15	6000
IS-135-48_24	24	171	8,4	4000	3,5	242	11,8	342	16,7	403	24	6000
IS-135-72_24	24	223	12,7	4000	5,3	315	17,9	446	25,3	590	36	6000
IS-135-30_48	48	60	6,0	4000	2,5	85	8,4	120	11,9	60	15	6000
IS-135-48_48	48	88	8,4	4000	3,5	124	11,8	176	16,7	207	24	6000
IS-135-72_48	48	116	12,7	4000	5,3	164	17,9	232	25,3	307	36	6000
IS-135-96_48	48	145	15,5	4000	6,5	205	21,9	290	31,0	404	48	6000
IS-135-120_48	48	175	18,1	4000	7,6	247	25,7	350	36,3	512	60	6000
IS-135-30_80	80	36	6,0	4000	2,5	51	8,4	72	11,9	36	15	6000
IS-135-48_80	80	54	8,4	4000	3,5	76	11,8	108	16,7	125	24	6000
IS-135-72_80	80	69	12,7	4000	5,3	98	17,9	138	25,3	183	36	6000
IS-135-96_80	80	86	15,5	4000	6,5	122	21,9	172	31,0	240	48	6000
IS-135-120_80	80	105	18,1	4000	7,6	148	25,7	210	36,3	307	60	6000
IS-135-30_96	96	30	6,0	4000	2,5	42	8,4	60	11,9	30	15	6000
IS-135-48_96	96	44	8,4	4000	3,5	62	11,8	88	16,7	103	24	6000
IS-135-72_96	96	58	12,7	4000	5,3	82	17,9	116	25,3	153	36	6000
IS-135-96_96	96	73	15,5	4000	6,5	103	21,9	146	31,0	202	48	6000
IS-135-120_96	96	88	18,1	4000	7,6	124	25,7	176	36,3	256	60	6000

Real Technical data for initial evaluation purpose. Windings are customized based on Customer Torque/Speed needs and available Battery Voltage and Controller size.

DC Bus available up to 800 V DC Batteries.

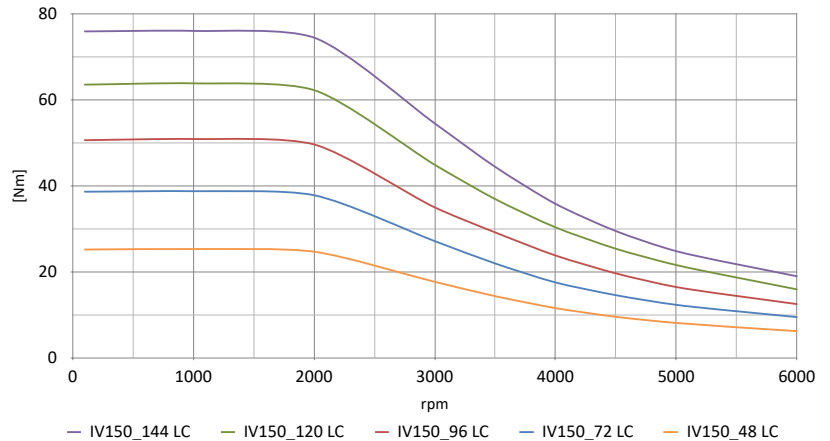
*S1 data are guaranteed with no ventilation.

PMAC IV150 LC

Permanent Magnets AC motor

- B14 / SAE A / SAE B / Custom flange
- Suitable for Traction & Pumps
- High Efficiency
- Low Voltage and High Voltage
- Liquid cooled for heavy duty cycles
- From IP 65 to IP 6K9K
- Sin-Cos or Resolver available
- Customizable cable connection

Nominal Torque S1



MODEL	DC BUS [V]	RATED CUR- RENT S1* [Arms]	RATED TORQUE S1 [Nm]	RATED SPEED S1* [rpm]	RATED POWER S1* [kW]	RATED CUR- RENT S3 50% [Arms]	RATED TORQUE S3 50% [Nm]	RATED CUR- RENT S3 25% [Arms]	RATED TORQUE S3 25% [Nm]	PEAK CUR- RENT [Arms]	PEAK TORQUE [Nm]	MAX SPEED [rpm]
IV-150-LC-48_24	24	303	17,5	3000	5,5	429	24,8	606	35,0	595	39	6000
IV-150-LC-72_24	24	461	27,1	3000	8,5	652	38,3	922	54,1	897	58	6000
IV-150-LC-96_24	24	606	35,0	3000	11	857	49,5	1212	70,0	1193	77	6000
IV-150-LC-48_48	48	152	17,5	3000	5,5	215	24,8	304	35,0	298	39	6000
IV-150-LC-72_48	48	232	27,1	3000	8,5	328	38,3	464	54,1	448	58	6000
IV-150-LC-96_48	48	302	35,0	3000	11	427	49,5	604	70,0	597	77	6000
IV-150-LC-120_48	48	434	44,9	3000	14,1	614	63,5	868	89,8	768	96	6000
IV-150-LC-144_48	48	454	54,8	3000	17,2	642	77,4	908	109,5	895	115	6000
IV-150-LC-48_80	80	91	17,5	3000	5,5	129	24,8	182	35,0	179	39	6000
IV-150-LC-72_80	80	139	27,1	3000	8,5	197	38,3	278	54,1	269	58	6000
IV-150-LC-96_80	80	182	35,0	3000	11	257	49,5	364	70,0	358	77	6000
IV-150-LC-120_80	80	253	44,9	3000	14,1	358	63,5	506	89,8	448	96	6000
IV-150-LC-144_80	80	273	54,8	3000	17,2	386	77,4	546	109,5	537	115	6000
IV-150-LC-48_96	96	75	17,5	3000	5,5	106	24,8	150	35,0	149	39	6000
IV-150-LC-72_96	96	115	27,1	3000	8,5	163	38,3	230	54,1	224	58	6000
IV-150-LC-96_96	96	151	35,0	3000	11	214	49,5	302	70,0	298	77	6000
IV-150-LC-120_96	96	210	44,9	3000	14,1	297	63,5	420	89,8	371	96	6000
IV-150-LC-144_96	96	227	54,8	3000	17,2	321	77,4	454	109,5	447	115	6000

Real Technical data for initial evaluation purpose. Windings are customized based on Customer Torque/Speed needs and available Battery Voltage and Controller size.

DC Bus available up to 800 V DC Batteries.

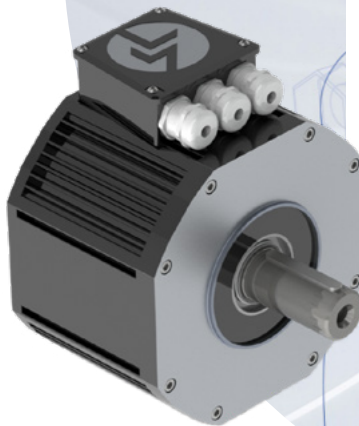
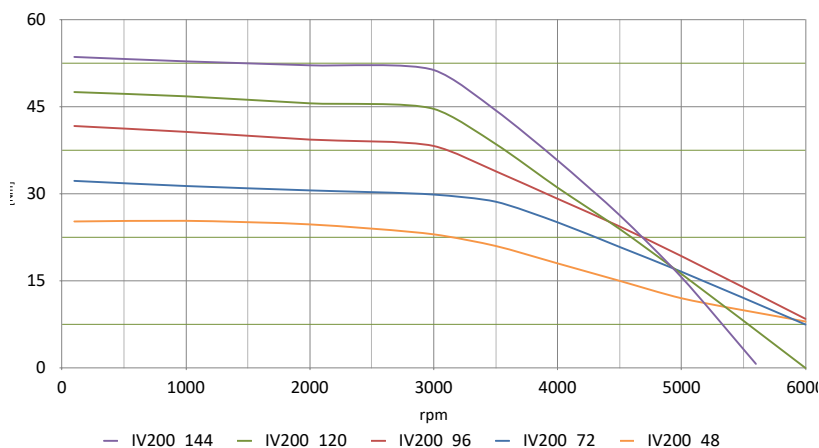
*S1 data are guaranteed with no ventilation.

PMAC IV200

Permanent Magnets AC motor

- B14/ SAE A / SAE B / Transaxle
- Removable T-shape feet: you can fit them on each side
- Suitable for Traction & Pumps
- High Efficiency
- Constant torque
- From IP 55 to IP 6K9K
- Sin-Cos inductive encoder
- Available with integrated brake

Nominal Torque S1



MODEL	DC BUS [V]	RATED CUR- RENT S1* [Arms]	RATED TORQUE S1 [Nm]	RATED SPEED S1* [rpm]	RATED POWER S1* [kW]	RATED CUR- RENT S3 50% [Arms]	RATED TORQUE S3 50% [Nm]	RATED CUR- RENT S3 25% [Arms]	RATED TORQUE S3 25% [Nm]	PEAK CUR- RENT [Arms]	PEAK TORQUE [Nm]	MAX SPEED [rpm]
IV-200-48_24	24	340	20,4	3000	6,4	481	28,8	680	40,8	1211	67	6000
IV-200-48_48	48	170	20,4	3000	6,4	240	28,8	340	40,8	606	67	6000
IV-200-72_48	48	230	29,9	3000	9,4	325	42,3	460	59,9	875	101	6000
IV-200-96_48	48	270	38,2	3000	12,0	382	54,0	540	76,4	1050	134	6000
IV-200-120_48	48	280	44,6	3000	14,0	396	63,0	560	89,1	1211	168	6000
IV-200-144_48	48	336	50,9	3000	16,0	475	72,0	672	101,9	1570	202	6000
IV-200-48_80	80	103	20,4	3000	6,4	146	28,8	206	40,8	367	67	6000
IV-200-72_80	80	138	29,9	3000	9,4	195	42,3	276	59,9	525	101	6000
IV-200-96_80	80	162	38,2	3000	12,0	229	54,0	324	76,4	630	134	6000
IV-200-120_80	80	173	44,6	3000	14,0	245	63,0	346	89,1	750	168	6000
IV-200-144_80	80	187	50,9	3000	16,0	264	72,0	374	101,9	875	202	6000
IV-200-48_96	96	85	20,4	3000	6,4	120	28,8	170	40,8	303	67	6000
IV-200-72_96	96	115	29,9	3000	9,4	163	42,3	230	59,9	437	101	6000
IV-200-96_96	96	135	38,2	3000	12,0	191	54,0	270	76,4	525	134	6000
IV-200-120_96	96	140	44,6	3000	14,0	198	63,0	280	89,1	605	168	6000
IV-200-144_96	96	160	50,9	3000	16,0	226	72,0	320	101,9	750	202	6000

Real Technical data for initial evaluation purpose. Windings are customized based on Customer Torque/Speed needs and available Battery Voltage and Controller size.

DC Bus available up to 800 V DC Batteries.

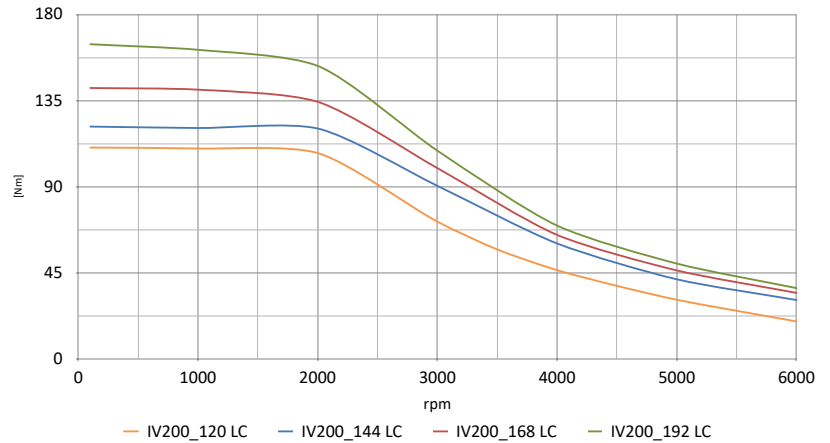
*S1 data are guaranteed with no ventilation.

PMAC IV200 LC

Permanent Magnets AC motor

- B14 / SAE A / SAE B / Custom flange
- Suitable for Traction & Pumps
- High Efficiency
- Low Voltage and High Voltage
- Liquid cooled for heavy duty cycles
- From IP 65 to IP 6K9K
- Sin-Cos or Resolver available
- Customizable cable connection

Nominal Torque S1



MODEL	DC BUS [V]	RATED CUR- RENT S1* [Arms]	RATED TORQUE S1 [Nm]	RATED SPEED S1* [rpm]	RATED POWER S1* [kW]	RATED CUR- RENT S3 50% [Arms]	RATED TORQUE S3 50% [Nm]	RATED CUR- RENT S3 25% [Arms]	RATED TORQUE S3 25% [Nm]	PEAK CUR- RENT [Arms]	PEAK TORQUE [Nm]	MAX SPEED [rpm]
IV-200-LC-120_96	96	317	71,6	3000	22,5	448	101,3	634	143,3	605	168	6000
IV-200-LC-144_96	96	375	82,8	3000	26	530	117,1	750	165,6	750	202	6000
IV-200-LC-168_96	96	437	98,7	3000	31	618	139,6	874	197,4	875	235	6000
IV-200-LC-192_96	96	500	108,2	3000	34	707	153,1	1000	216,5	984	273	6000
IV-200-LC-120_200	200	152	71,6	3000	22,5	215	101,3	304	143,3	290	168	6000
IV-200-LC-144_200	200	180	82,8	3000	26	255	117,1	360	165,6	360	202	6000
IV-200-LC-168_200	200	210	98,7	3000	31	297	139,6	420	197,4	420	235	6000
IV-200-LC-192_200	200	240	108,2	3000	34	339	153,1	480	216,5	472	273	6000
IV-200-LC-120_400	400	76	71,6	3000	22,5	107	101,3	152	143,3	145	168	6000
IV-200-LC-144_400	400	90	82,8	3000	26	127	117,1	180	165,6	180	202	6000
IV-200-LC-168_400	400	105	98,7	3000	31	148	139,6	210	197,4	210	235	6000
IV-200-LC-192_400	400	120	108,2	3000	34	170	153,1	240	216,5	236	273	6000
IV-200-LC-120_800	800	38	71,6	3000	22,5	54	101,3	76	143,3	73	168	6000
IV-200-LC-144_800	800	45	82,8	3000	26	64	117,1	90	165,6	90	202	6000
IV-200-LC-168_800	800	52	98,7	3000	31	74	139,6	104	197,4	105	235	6000
IV-200-LC-192_800	800	60	108,2	3000	34	85	153,1	120	216,5	118	273	6000

Real Technical data for initial evaluation purpose. Windings are customized based on Customer Torque/Speed needs and available Battery Voltage and Controller size.
DC Bus available up to 800 V DC Batteries.

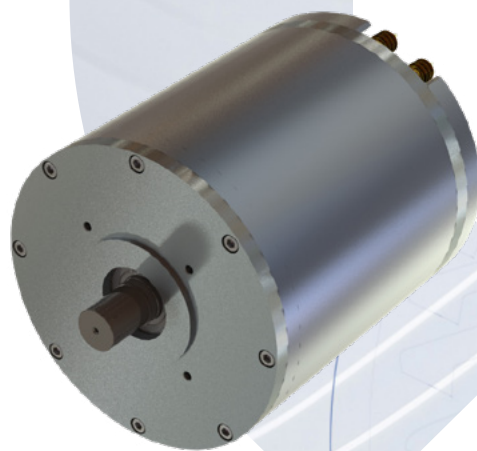
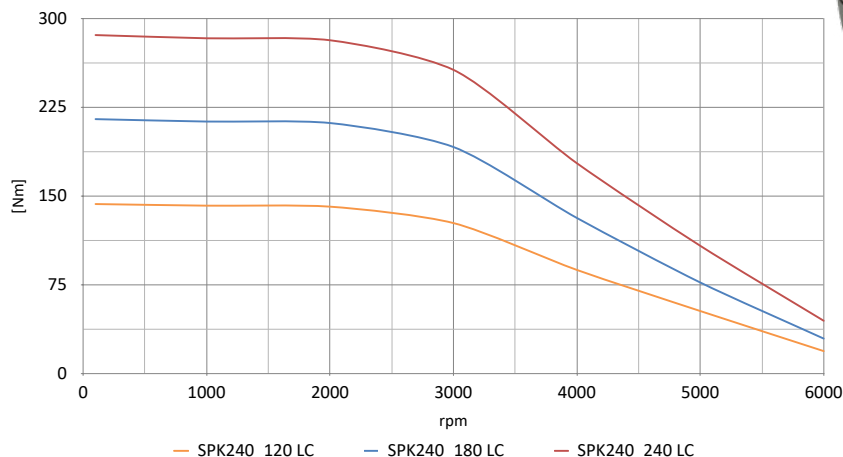
*S1 data are guaranteed with no ventilation.

PMAC ISPK240 LC

Permanent Magnets AC motor

- B14 / SAE A / SAE B / Custom flange
- Suitable for Traction & Pumps
- High Efficiency
- High Voltage
- Liquid cooled for heavy duty cycles
- From IP 65 to IP 6K9K
- Sin-Cos or Resolver available
- Customizable cable connection

Nominal Torque S1



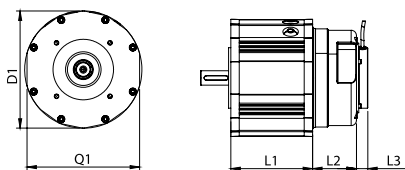
MODEL	DC BUS [V]	RATED CUR- RENT S1* [Arms]	RATED TORQUE S1 [Nm]	RATED SPEED S1* [rpm]	RATED POWER S1* [kW]	RATED CUR- RENT S3 50% [Arms]	RATED TORQUE S3 50% [Nm]	RATED CUR- RENT S3 25% [Arms]	RATED TORQUE S3 25% [Nm]	PEAK CUR- RENT [Arms]	PEAK TORQUE [Nm]	MAX SPEED [rpm]
ISPK-240-LC-120_96	96	396	127	3000	40,0	560	180,1	652	218	665	222	5000
ISPK-240-LC-180_96	96	581	191	3000	60,0	822	270,1	968	327	988	334	5000
ISPK-240-LC-240_96	96	792	255	3000	80,0	1120	360,2	1303	436	1330	445	5000
ISPK-240-LC-120_200	200	190	127	3000	40,0	269	180,1	314	218	320	222	5000
ISPK-240-LC-180_200	200	277	191	3000	60,0	392	270,1	461	327	470	334	5000
ISPK-240-LC-240_200	200	380	255	3000	80,0	537	360,2	627	436	640	445	5000
ISPK-240-LC-120_400	400	95	127	3000	40,0	134	180,1	157	218	160	222	5000
ISPK-240-LC-180_400	400	140	191	3000	60,0	198	270,1	236	327	241	334	5000
ISPK-240-LC-240_400	400	190	255	3000	80,0	269	360,2	314	436	320	445	5000
ISPK-240-LC-120_800	800	48	127	3000	40,0	67	180,1	78	218	80	222	5000
ISPK-240-LC-180_800	800	70	191	3000	60,0	99	270,1	117	327	119	334	5000
ISPK-240-LC-240_800	800	160	255	3000	80,0	226	360,2	157	436	160	445	5000

Real Technical data for initial evaluation purpose. Windings are customized based on Customer Torque/Speed needs and available Battery Voltage and Controller size.

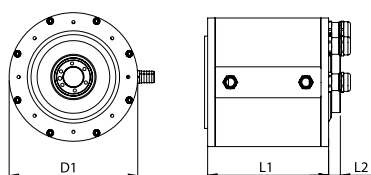
DC Bus available up to 800 V DC Batteries.

*S1 data are guaranteed with no ventilation.

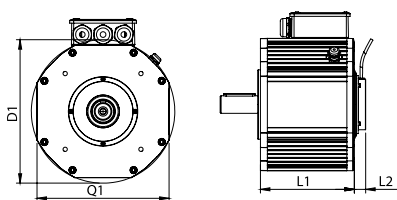
IS135



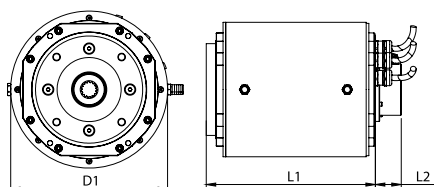
IV150 LC



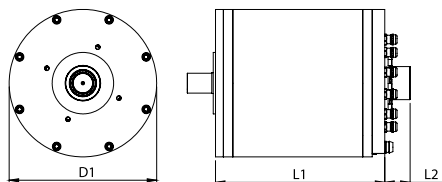
IV200



IV200 LC



ISPK240 LC



	Q1 [mm]	D1 [mm]	L1 [mm]	L2 [mm]	L3 [mm]
IS135 - 029	148	155	108	58	15
IS135 - 048	148	155	127	58	15
IS135 - 072	148	155	151	58	15
IS135 - 096	148	155	175	58	15
IS135 - 120	148	155	199	58	15
IV150 - 048	-	170	160	15	-
IV150 - 072	-	170	184	15	-
IV150 - 096	-	170	208	15	-
IV150 - 120	-	170	232	15	-
IV 150 - 144	-	170	256	15	-
IV200 - 048	209	228	149	18	-
IV200 - 072	209	228	173	18	-
IV200 - 096	209	228	197	18	-
IV200 - 120	209	228	221	18	-
IV200 - 144	209	228	245	18	-
IV200 LC - 120	-	249	241	48	-
IV200 LC - 144	-	249	265	48	-
IV200 LC - 168	-	249	289	48	-
IV200 LC - 192	-	249	313	48	-
IS 240 LC - 120	-	312	238	54	-
IS 240 LC - 180	-	312	298	54	-
IS 240 LC - 240	-	312	358	54	-



ELECTRIC MOTORS

Melegari E-Mobility

**“MELEGARI YOUR BEST PARTNER
FOR ELECTRIFICATION”**

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