


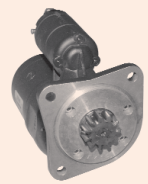


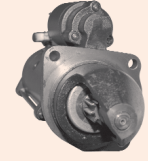
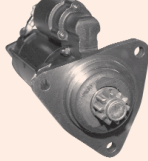
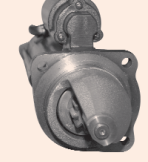
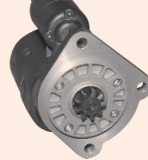
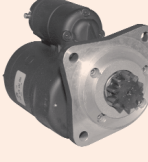






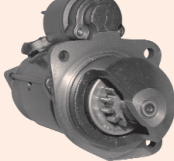
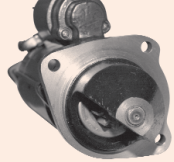
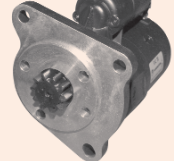
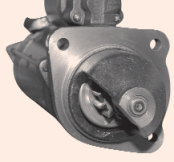

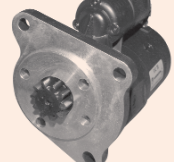




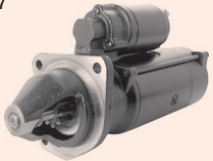
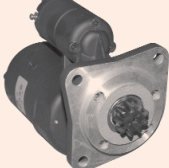

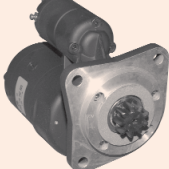
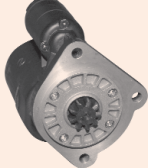

- Elevada velocidad de rotación
- Arranque más fácil
- Menor requerimiento de la batería
- Menor consumo eléctrico
- Menor caída de tensión


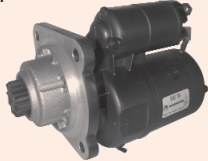
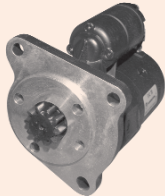
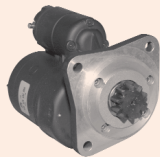
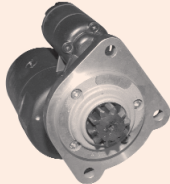
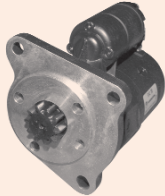
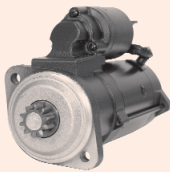
- *Higher rotation speed*
- *Easier to start*
- *Less battery requirement*
- *Less consumption*
- *Less voltage drop*




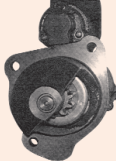
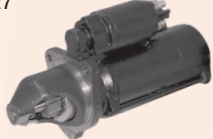
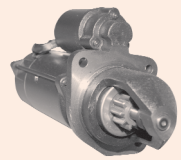
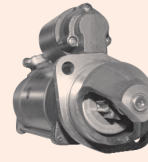
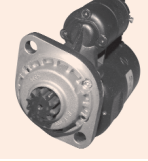



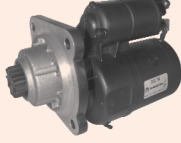




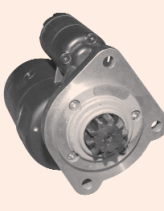
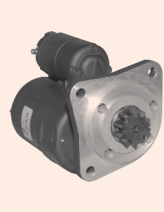
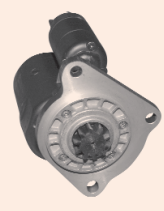
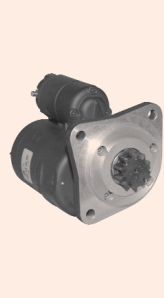
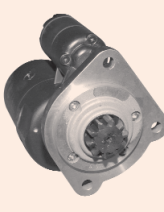
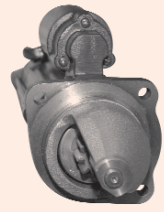

Applications <i>Aplicaciones</i>	Ref. <i>Ref.</i>	OEM	 A A x B B	 Z	 L
323, 353, 383, 423, 433, 440, 453, 533, 540, 633, 640, 733, 740, 833, 840, 940	62/930-206 12V / 2.7kW	138207A1, 3218674R91, 3228192R91	3x127 	11Z	211
523, 553, 554, 624, 644, 654, 724, 743, 744, 745, 824, 844, 845, 856, 946, 955, 956, 1046, 1055, 1056, 1246, 1255, 1455	62/930-207 12V / 3.1kW	3218677R91 3228193R91 121905A1	3x127 	9Z	186
1896, 2090, 2094, 2096, 2290, 2294, 2390, 2394, 2590, 2594, 3294, 3394, 3594, 4490, 4494, 4690, 4694, 7110, 7120, 7130, 7140, 7150, 7210, 7220, 7230, 7240, 7250, 8910, 8920, 8930, 8940, 8950, 9110, 9130, 9210, 9230, 9240, 9310, 9330	ISKRA 62/930-201 12V / 4.2kW	91902C2, A187728, A162469, A186271	3x146 	10Z	205
5120, 5220	ISKRA 62/930-175 12V / 3.0kW	1148001A1	3x127 	10Z	185
7210, 7220, 7230, 7240, 7250, 8910, 8920, 8930, 8940, 8950, 9310, 9330, MX180, MX200, MX210, MX220, MX230, MX240, MX255, MX270, MX285, STX275, STX325	ISKRA 62/930-202 12V / 4.2kW	193432A1, 193432A2, 87413500, 87413501, 87419387, 87420661	3x146 	10Z	250
C50, C60, CX50, CX60 engine Perkins motor	ISKRA 62/930-181 12V / 3.0kW	388186A1	3x127 	10Z	225
C55, C64, C70, CS68, CS75, CS78, CS86, CS94 Engine MWM Motor	62/930-208 12V / 2.7kW	130100090735	3x127 	9Z	210
C70, C80, C90, CX70, CX80, CX90, CX100, MX80C, MX90C, MX100C engine Perkins motor	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW	388187A1, 234987A1, 323319A1, 388187A2, 6106496M91	3x127 	10Z	204






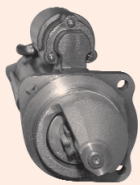
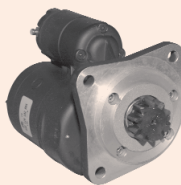
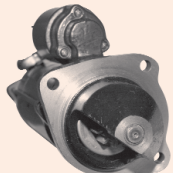
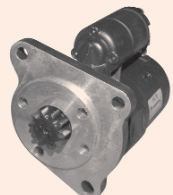
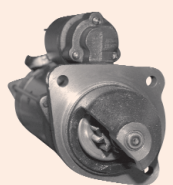
Applications Aplicaciones	Ref. Ref.	OEM	 A x B	 Z	 L
Case IH CS68, CS75, CS78, CS86, CS94 engine Sisu motor (01/99 ->) CS100, CS110, CS120, CS130, CS150, CVX120, CVX130, CVX150, CVX170	62/930-209 12V / 2.7kW ISKRA 62/930-184 12V / 4.2kW	132000090705, 142000090700, 132000090740	3x127 	11Z	185
CVX1135, CVX1145, CVX1155, CVX1170, CVX1190	ISKRA 62/930-184 12V / 4.2kW	162000090722	3x127 	11Z	220
JX1070U, JX1080U, JX1090U, JX1100U	ISKRA 62/930-203 12V / 4.2kW	47132888, 47137534, 47137538	3x127 	10Z	222
MXM120, MXM130, MXM135, MXM140, MXM150, MXM155, MXM165, MXM175, MXM180, MXM190	62/930-222 12V / 2.7kW ISKRA 62/930-173 12V / 3.0kW	82021372	3x146 	10Z	230
MXU100, MXU110, MXU115, MXU125, MXU135	ISKRA 62/930-191 12V / 3.0kW	82032859, 4897223	3x127 	10Z	245
Claas					
Consul, Dominator, Jaguar, Mercator Engine Mercedes Motor	62/930-210 12V / 2.7kW	6853810	3x127 	9Z	238
David Brown					
1594, 1690, 1694	62/930-222 12V / 2.7kW ISKRA 62/930-173 12V / 3.0kW	K308650	3x146 	10Z	230




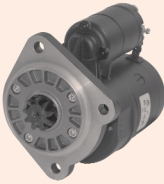
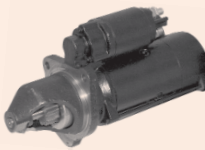
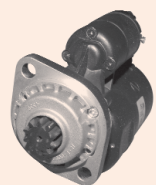
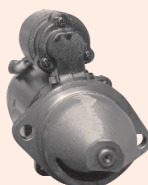

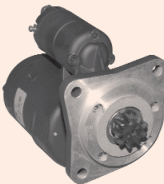
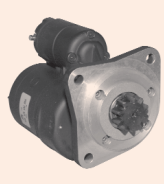
Applications Aplicaciones	Ref. Ref.	OEM	 A A x B B	 Z	 L
Deutz					
Civil motorering / Obras públicas	ISKRA 62/930-211 24V / 4.0kW	01164995 01173241 01180999	3x127 	9Z	237
Engines / Motors FL912, FL913, BF1012, BF1013 3, 4 et 5 cylinders / 3, 4 & 5 cilindros	62/930-221 12V / 2.7kW ISKRA 62/930-193 12V / 3.0kW	01174166, 01164668 01170051, 01175886 01179586, 01161384 01163669, 01164994 01173240, 01179318 01180805	3x127 	9Z	204
F2L1011, F3L1011, F4L1011, BF4L1011	ISKRA 62/930-185 12V / 2.8kW	01180180 01180995	3x127 	10Z	220
Fendt					
Engines / Motors FL912, FL913, BF1012, BF1013 3, 4 et 5 cylinders / 3, 4 & 5 cilindros Farmer 307, 308, 409, 410, 411 Favorit 711, 712, 714, 716	62/930-221 12V / 2.7kW ISKRA 62/930-193 12V / 3.0kW	X830.100.001.000 6380.900.060.010 X830.100.007.000 F716.900.060.060	3x127 	9Z	204
Engine MAN Motor Serie 800 et 900 / 800 and 900 serie Xylon 520, 522, 524	ISKRA 62/930-196 24V / 4.0kW	F524.900.060.010 F926.900.060.040 F926.900.060.041 F824.900.060.130	3x127 	11Z	240
Engines MWM D226 Motors 3 cylinders / 3 cilindros Farmer 103, 104 Farmer 303, 304, 307	62/930-208 12V / 2.7kW	F135.902.060.010, X830.100.009.000	3x127 	9Z	210
Engines MWM D226, D227 Motors 4 et 6 cylinders / 4 and 6 cilindros Farmer series 100, 200, 300 series Favorit series 500, 600 series	62/930-177 12V / 2.7kW	G514.900.060.100 F135.902.060.010 X830.100.006.000	3x127 	9Z	212
Fermec					
640B, 650B, 660B, 750, 760, 860, 960, 965	ISKRA 62/930-180 12V / 3.0kW		3x127 	10Z	244






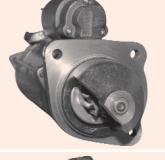






Applications Aplicaciones	Ref. Ref.	OEM		
Fiat				
800, 805, 880/4, 1300S Engine OM Motor	62/930-212 12V / 2.7kW	4712894 4713805 4737758	3x127  9Z	190
Ford				
2000, 2310, 2600, 2610, 3000, 3600, 3610, 2810, 2910, 3230, 3430, 3900, 3910, 3430, 4000, 4100, 4110, 4130, 4600, 4610, 4630, 4830, 5000, 5030, 5110, 5600, 5610, 5610S, 5640, 5700, 5900, 6410, 6600, 6610, 6610S, 6640, 6700, 6710, 6810, 6810S, 7000, 7010, 7410, 7600, 7610, 7610S, 7740, 7700, 7710, 7810, 7810S, 7840, 7910, 8000, 8010, 8160, 8200, 8210, 8240, 8260, 8340, 8360, 8530, 8560, 8600, 8630, 8700, 8730, 8830, 9000, 9200, 9600, 9700, TS80, TS90, TS100, TS110, TS115, TW5, TW10, TW15, TW20, TW25, TW30, TW35	62/930-222 12V / 2.7kW ISKRA 62/930-173 12V / 3.0kW	D8NN11000CE 83981923 82005342 82007917 82013922 E3NN11000AA 83943890	3x146  10Z	230
JCB				
110, 413, 418, 702, 704, 805, 805B, 806, 806B, 807, 807B, 808, 902, 1250, SL702P, SL704P, SL900P, SL1000P, SL1500P, SL1750P	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW		3x127  10Z	204
3CX4, 4CX, 420, 430, 807C, 811, 812, 814, 817, 818, 820, Fastrac 125, 135, 145, 155, 185, 1115, 1135	62/930-213 12V / 2.7kW	71429300R 71429500R	3x127  10Z	199
805 (1/76 ->) 806, 806B, 807B (-> 1/82)	62/930-222 12V / 2.7kW ISKRA 62/930-173 12V / 3.0kW		3x146  10Z	230
John Deere				
5210, 5310, 5410 John Deere USA Engine PowerTech Motor	ISKRA 62/930-179 12V / 2.8kW	RE19275 RE54092 RE51447 RE68470	2x105  10Z	235
5310, 5410, 5510, 5310N, 5410N, 5510N Engine PowerTech Motor	ISKRA 62/930-215 12V / 2.8kW	RE516455 RE60641 RE63010	2x105 10Z	-

Applications Aplicaciones	Ref. Ref.	OEM	 A x B	 Z	 L
John Deere					
5510, 6520, 6810, 6820, 6920	ISKRA 62/930-224 12V / 4.2kW	RE503226		10Z	-
6500, 6600, 6800, 6900, 6510, 6610, 6810, 6910	ISKRA 62/930-189 12V / 4.2kW	AL70852 AL81154 RE505744 RE507639	3x127 	10Z	220
Engine / Motor 4045D, 4045T, 6068D, 6068T, 6059D, 6059T, 2.9L PT, 4.5L PT, 6.8L PT Telescopic / Telescópicas 4400, 4500, Combines / Cosechadoras 1170	ISKRA 62/930-198 12V / 4.2kW	RE503093, RE504009, RE59010, RT7700040288, R116617, RE68783	3x127 	10Z	226
Engine / Motor 3029, 4039, 4045D, 4239D, 4239T, 4276, 6059, 6068, 6329D, 6359D, 6359T, 2.9L PT, 4.5L PT	ISKRA 62/930-197 24V / 4.0kW	RE51725, RE52120, RE19737, RE49352	2x105 	10Z	240
Series 10, 20, 30, 40, 50 Series, 6010, 6110, 6210, 6310, 6410, 6100, 6200, 6300, 6400 Sans/Without powertech	62/930-178 12V / 2.7kW ISKRA 62/930-225 12V / 3.0kW	AL11503, AL41247 AL62691, AL62773 AL78760, AL110503 AL110504, AR70436, AR70437, AT23401, RE60384, RE500733	2x105 	10Z	195
Landini					
Engines Perkins Motors A4-212, A4-236, A4-248, A6-354	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW	3542185M91 3546391M91	3x127 	10Z	204
Engines Perkins Motors A4-203, AD4-203	62/930-218 12V / 2.7kW	3597371M2	3x146 	10Z	205
Engine Perkins Motor Serie 1000 Serie	62/930-213 12V / 2.7kW	3551773M91 3648190M91	3x127 	10Z	199
Laverda					
M152 Engine OM Motor	62/930-212 12V / 2.7kW	4712894 4713805 4737758	3x127 	9Z	190

Applications Aplicaciones	Ref. Ref.	OEM	 A x B	 Z L		
Manitou						
Perkins	62/930-213 12V / 2.7kW	2873B056, 2873B071	3x127		10Z	199
	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW	2873B072	3x127		10Z	204
Massey Ferguson						
Engines Perkins <i>Motors</i> A3-152, AD3-152, A4-192, A4-203, AD4-203 65, 133, 134, 135, 140, 145, 148, 152, 154, 155, 158, 165/II, 230, 233, 234, 235, 240, 245, 250, 253, 254, 255, 260, 263, 264, 350, 353, 355, 360 363, 364, 550, 560	62/930-218 12V / 2.7kW	1680065M3 1868283M5 3597371M1 3597426M3 3763363M91	3x146		10Z	205
Engines Perkins <i>Motors</i> A4-212, A4-236, A4-248, A4-318, A6-354 165/III, 168, 174, 175, 178, 184, 185, 188, 194, 265, 273, 274, 275, 283, 284, 285, 290, 293, 294, 298, 362, 365, 373, 374, 375, 377, 383, 384, 387, 390, 393, 394, 397, 398, 399, 565, 575, 590, 592, 595, 675, 690, 698, 699, 1004, 1014, 1080, 1114, 3050, 3060, 3065, 3070, 3075, 4225, 4235, 4240, 4245, 4255, 4260, 4270, 6110, 6120, 6130, 6140, 6150	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW	1860093M2 1868285M3 2873006M1 1447301M91 3597372M1 1447731M1 3763362M91 1680064M1	3x127		10Z	204
3085, 3095, 3115, 3125, 3635, 3645, 3655, 3670, 3680, 3690, 6160, 6170, 6180, 6190, 6410, 6510, 6710, 6810, 6260, 6270, 6280, 6290, 8110, 8120, 8130, 8140, 8150, 8160, 8210, 8220, 8240, 8250	62/930-213 12V / 2.7kW	3581576M2 1447732M1	3x127		10Z	199
6260, 6270, 6280, 6290, 8210, 8220	ISKRA 62/930-181 12V / 4.2kW	3581576M3 3784890M1 3823621M91	3x127		10Z	225
Engines Perkins <i>Motors</i> 1004, 1006 4225, 4235, 4240, 4245, 4255, 4265, 4325, 4335, 4345, 4355, 4365, 6235, 6245, 6255, 6265	ISKRA 62/930-180 12V / 3.0kW	3821818M91	3x127		10Z	244

Applications Aplicaciones	Ref. Ref.	OEM	 A x B	 Z	 L
MB Track					
700, 800, 900, 1000, 1100, 1300, 1400, 1500, 1600	62/930-210 12V / 2.7kW	0031510501 0031517301 0031518701 0041512201	3x127 	9Z	238
Mc Cormick					
CX70, CX80, CX90, CX100, MC80, MC90, MC100, MC115 F80, F90, F100 MTX110, MTX155, MTX175 T70, T80, T100	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW	706022A1	3x127 	10Z	204
CX50, CX60	ISKRA 62/930-181 12V / 3.0kW	388186A1	3x127 	10Z	225
Minsk tractors Belarus					
MTZ 80, 82, 510, 512, 520, 522, 530, 532, 550, 552, 570, 572, 590, 592, 800, 820, 900, 920, 922, 950, 952, 1005, 1025	62/930-219 12V / 2.7kW On demand Sobre pedido	24073708000	3x127 	10Z	208
New Holland					
TL70A, TL80A, TL90A, TL100A TN85A, TN85DA, TN85SA, TN95A, TN95DA	62/930-203 ISKRA 12V / 4.2kW	47132888 47137534 47137538	3x127 	10Z	222
TM115, TM120, TM125, TM130, TM135, TM140, TM150, TM155, TM165, TM175, TM190 TS80, TS90, TS100, TS110, TS115	62/930-222 12V / 2.7kW ISKRA 62/930-173 12V / 3.0kW	82021372	3x146 	10Z	215
TS100A, TS110A, TS115A, TS125A, TS135A	ISKRA 62/930-191 12V / 3.0kW	82032859 82039052	3x127 	10Z	245

Applications Aplicaciones	Ref. Ref.	OEM	 A A x B B	 Z	 L
Renault Engines / Motors MWM D226, 227, 325, 327 50, 51, 53, 56, 60, 70, 80, 82, 86, 89, 90, 91, 92, 94, 96, 98, 301, 351, 361, 421, 456, 460, 461, 462, 480, 486, 489, 490, 496, 498, 551, 556, 651, 652, 656, 681, 781, 851, 891, 951, 981, 58-12, 58-14, 58-32, 58-34, 61-12, 61-14, 65-12, 65-14, 65-32, 65-34, 68-12, 68-14, 70-12, 70-14, 70-32, 70-34, 75-12, 75-14, 80-12, 80-14, 85-12, 85-14, 85-32, 85-34, 90-32, 90-34, 95-12, 95-14, 103-12, 103-14, 110-14, 113-12, 113-14, 120-14, 120-54, 133-14, 133-54, 145-14, 145-54 551-4, 651-4, 751-4, 1151-4, 1181-4	62/930-177 12V / 2.7kW	6005003152 6005003153 6005011729 6005701125 7700026780 7700501670 7700519797 7700525064 7700525547 7700627394	3x127  9Z	212	
Engine DPSG Motor Ares 540, 550, 610, 620, 630, 640	ISKRA 62/930-189 12V / 4.2kW	7700044450 7700045291	3x127  10Z	220	
Engine DPSG Motor Ceres 310, 320, 330, 340, Cergos 330, 340, 350, Ergos 85, 95, 105	62/930-178 12V / 2.7kW ISKRA 62/930-225 12V / 3.0kW	6005012976 6005022635	2x105  10Z	195	
Engine DPSG Motor Ares 710, 720, 725, 735, 815, 825, Temis 550	ISKRA 62/930-182 12V / 3.0kW	7700047132	2x105  10Z	230	
Engines / Motors MWM D226, 3 cylinders / 3 cilindros	62/930-208 12V / 2.7kW	7700046893 7700627394 7700026780 6005011729 7700501670	3x127  9Z	210	
Engines Deutz Motors FL912, FL913	62/930-221 12V / 2.7kW ISKRA 62/930-193 12V / 3.0kW	6005016395 6000103270 6000102270	3x127  10Z	204	
Engines Perkins Motors 4-236, 4-248	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW	7701031686 6005700081 6005003154	3x127  10Z	204	

Applications <i>Aplicaciones</i>	Ref. <i>Ref.</i>	OEM	 A x B	 Z	 L
Steyr					
950, 960, 8055, 8060, 8070, 8075, 8080, 8090	62/930-220 12V / 2.7kW		2x105 	9Z	210
955, 964, 970, 9078, 9083, 9086, 9094 M968, M975, M9078, M9083, M9086, M9094 Engine MWM Motor	62/930-208 12V / 2.7kW	130100090735	3x127 	9Z	210
4100 Profi, 4115 Profi, 6115 Profi, 6125 Profi, 6135 Profi	ISKRA 62/930-191 12V / 3.0kW	82032859 4897223	3x127 	10Z	245
6135CVT, 6145CVT, 6155CVT, 6170CVT, 6190CVT	ISKRA 62/930-184 12V / 4.2kW	162000090722	3x127 	11Z	220
9105, 9115, 9125, 9145 Engine Valmet Motor CVT120, CVT150, CVT170	62/930-209 12V / 2.7kW ISKRA 62/930-184 12V / 4.2kW	132000090705 142000090700	3x127 	11Z	185
Valmet					
305, 405, 455, 502, 504, 505, 602, 604, 605, 655, 700, 702, 703, 705, 712, 755, 802, 803, 805, 855, 900, 902, 903, 905, 1100, 1102, 1112, 1203, 6000	62/930-209 12V / 2.7kW ISKRA 62/930-184 12V / 4.2kW	835331592	3x127 	11Z	185
Volvo					
Engine Perkins Motor BM 500, BM 2200, 2204, 2250, 2254	62/930-223 12V / 2.7kW ISKRA 62/930-200 12V / 3.0kW		3x127 	10Z	204
Zetor					
3011, 3045, 3320, 3340, 3511, 3513, 3545, 4320, 4321, 4340, 4341, 4511, 4611, 4712, 4718, 4911, 5011, 5211, 5245, 5320, 5321, 5340, 5341, 5511, 5545, 5516, 5611, 5645, 5647, 5711, 5718, 5745, 5748, 5911, 5945, 6011, 6045, 6211, 6212, 6245, 6320, 6321, 6340, 6341, 6511, 6518, 6522, 6711, 6718, 6745, 6748, 6911, 6918, 6945, 7011, 7045, 7211, 7245, 7320, 7321, 7340, 7341, 7711, 7745	62/930-209 12V / 2.7kW ISKRA 62/930-184 12V / 4.2kW	69185771	3x127 	11Z	185
8011, 8045, 8111, 8145, 8211, 8245, 9211, 9245, 10011, 10045, 10111, 10145, 10211, 10245	62/930-48 12V / 2.7kW	9142742	3x127 	11Z	186

Ref. Trac. Trac.ref.	Ref. Iskra Iskra ref.	Ref. Trac. Trac.ref.	Ref. Iskra Iskra ref.	Ref. Magneton Magneton ref.
Démarreurs std Std starter		Dém. avec réducteur "ISKRA" Starter with reducer "ISKRA"		
930-30	IS0491	930-211	IS0842	
930-31	IS0551	930-193	IS0841	930-221
930-23	IS0552	930-193	IS0841	930-221
930-205	IS0565	930-185	IS1072	
930-165	IS0567	930-193	IS0841	930-221
930-86	IS0569	930-225	IS0793	930-178
930-160	IS0579	930-173	IS1016	930-222
930-161	IS0627	930-173	IS1016	930-222
930-166	IS0626	930-196	IS0730	
930-175	IS0665	930-175	IS1090	
930-58	IS0739	930-189	IS0794	
930-59	IS0820	930-182	IS1055	
930-43	IS0179	930-184	IS0836	930-209
930-76	IS0412			930-210
930-168	IS0436			930-219
930-55	IS0705			930-206
930-54	IS0704			930-207
930-56	IS0706			930-177
930-80	IS0872	930-200	IS1098	930-223
930-35	IS0862			930-212
930-87	IS0632			930-218
930-38	IS0526			930-213
930-80	IS0509	930-200	IS1098	930-223
930-32	IS0669			930-208
930-40	IS0671			930-220
930-194	IS0709			930-220
930-82	IS0807	930-180	IS1023	
930-81	IS0808	930-181	IS1071	
		930-198	IS1056	
		930-197	IS1088	
		930-201	IS1089	
		930-202	IS1077	
		930-191	IS0999	
		930-203	IS1109	
		930-182	IS1055	
		930-179	IS1027	
		930-215	IS1059	
		930-217	IS1087	
		930-224	IS1157	