



RONDOPAR

ENERGIA ACUMULADA LTDA

MÁXIMO DESEMPENHO E DURABILIDADE



CATÁLOGO DE APLICAÇÃO



AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional



MA 6.1	2000	2003	60FBE	60LBE
MA 6.1 DIESEL	2005	2003	F70RE	70LFE
MARRUÁ AM 20/50/50E/100/150/200	>2005		F70RE	70LFE



80/100	1992>		60FBD	60LBD
A1 ATTRACTION 1.4	2011	2021	60FBD	60LBD
A1 AMBITION 1.8	2011	2021	60FBD	60LBD
A3 1.8 TURBO	2000	2021	60FBD	60LBD
A3 1.4 SEDAN	2008	2021	60FBD	60LBD
A3 2.0	2010	2021	60FBD	60LBD
Q3 1.4	2012	2021	60FBD	60LBD
A4 2.4 / 2.8 / TURBO / AVANT 2.0 / 2.6 / 2.8	2000	2021	F70RD	70LFD
A5 2.0	2009	2021	F70RD	70LFD
TT/TTS 2.0	2000	2021	F70RD	70LFD
A6 / ALLROAD 2.7 V6	2001	2021		LF95SD
A7 3.0	2011	2021		LF95SD
A8 / S8 AVANT PLUS V8 4.2L	2010	2015		LF95SD
S2 / S4 / S6	2010	2015		LF95SD
RS3 2.5 / RS4/ RS5 /	2012	2015		LF95SD
RS6 4.0	2013	2013		LF95SD
Q3 2.0	2013	2021		LF95SD
Q5 2.0	2009	2021		LF95SD
Q7 3.0	2007	2021		LF95SD



8C	2008 >		F70RD	70LFD
147	2003	2005	60FBD	60LBD
156/156SW	1999	2004	F70RD	70LFD
166 3.0 V6 24V/156SW 2.0 JTS 16V	1995	1997	F70RD	70LFD



116	2013	2015	60FBD	60LBD
118i	2010	2013	R80AD	
120i	2005	2021	R80AD	
120iA	2005	2021	R80AD	
130i/130iA/135ia	1991	1999	R80AD	
316	2014	2015	F80RD	L80FD
318	2012	2012	F80RD	L80FD
320	2001	2022	F80RD	L80FD
328	2000	2013	F80RD	L80FD
330	2001	2007	F80RD	L80FD
525	2000	2005	F80RD	L80FD
535	2000	2014	F80RD	L80FD
740	2000	2001	F80RD	L80FD
745	2002	2005	F80RD	L80FD
760	2003	2014	F80RD	L80FD
Z3	2000	2002	F80RD	L80FD
Z4	2003	2019	F80RD	L80FD

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional

Z8	2000	2003		LF95SD
325	2000	2006		LF95SD
528	2000	2011		LF95SD
530	2000	2010		LF95SD
540	2000	2022		LF95SD
640	2006	2014		LF95SD
650	2006	2015		LF95SD
X1	2010	2014	F80RD	L80FD
X3	2003	2022		LF95SD
X4	2010	2022		LF95SD
X5	2000	2022		LF95SD
X6	2007	2022		LF95SD



AGILE	2010	2014	F45RD	45LFD
CELTA 1.0, 1.4	2000	2015	F45RD	45LFD
CORSA 1.0 – 1.4	2000	2013	F45RD	45LFD
PRISMA	2007	2013	F45RD	45LFD
ONIX	2013	2019	F50DT	
ONIX	2020	2022	FB60AD	
PRISMA	2014	2019	F50DT	
SPIN	2015	2019	F50DT	
COBALT	2012	2016	FB60AD	
CRUZE	2012	2016	FB60AD	
SPIN	2013	2014	FB60AD	
ASTRA	2000	2011	60FBD	60LBD
CORSA 1.6 – 1.8	2000	2012	60FBD	60LBD
CLASSIC	2013	2016	60FBD	60LBD
MERIVA	2002	2013	60FBD	60LBD
MONTANA	2000	2017	60FBD	60LBD
S10 – BLAZER	2001	2011	60FBD	60LBD
SONIC	2012	2015	60FBD	60LBD
VECTRA	2000	2014	60FBD	60LBD
ZAFIRA	2001	2013	60FBD	60LBD
EQUINOX	2017	2022	F70RD	70LFD
S10 – BLAZER	2000	2000	F70RD	70LFD
S10 – BLAZER	2012	2022	F70RD	70LFD
TRACKER	2008	2016	F70RD	70LFD
TRACKER	2020	2022	FB60AD	
SILVERADO	2000	2002	F70RE	70LFE
CAPTIVA	2008	2016	F80RD	L80FD
CAMARO	2010	2015	F80RD	L80FD



PT CRUISER	2001	2010	F50DT	
300 C	2005	2012	F70RD	70LFD



CHANA				
CARGO	2005	2011	FR50DHC	
FAMILY/UTILITY	2004	2010	FR50DHC	



CHERY SOCMA S.A.				
ARRIZO 5		2022	R80AD	
ARRIZO 6 / 6 PRO		2022	R80AD	

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional
ARRIZO 8		2022	R80AD	
CELER 1.5 16 V		2013	FB60AD	
CIELO		2010	FB60AD	
FACE		2011	FB60AD	
QQ	2011	2022	FR50DHC	
RELY	2009	2013	F70RD	70LFD
S-18	2009	2013	FR50EHC	
TIGGO	2009	2019	R80AD	
TIGGO-2	2009	2022	R80AD	
TIGGO-3X	2012	2022	R80AD	
TIGGO-5X	2018	2022	R80AD	
TIGGO 7	2018	2022	R80AD	
TIGGO 8	2018	2022	R80AD	



AIR CROSS (manual)	2011	2016	F50DT	
AIR CROSS (aut.)	2011	2016	FB60AD	
BERLINGO	2000	2007	FB60AD	
C3	2002	2017	F50DT	
C4	2005	2014	FB60AD	
C4 GRAN PICASSO / PALLAS / LOUNGE	2014	2016	F70RD	70LFD
C4 CACTUS	2018	2019	F70RD	70LFD
C5	2001	2021	FB60AD	
C6	2006	2008	F70RD	70LFD
C8	2003	2005	FB60AD	
DS3/DS4/DS5		2013	R80AD	
EVASION VSX	2000	2002	F70RD	70LFD
JUMPER	2009	2010		LF95SD
JUMPER DIESEL	2018	2021	FR60AD	
JIMMY (DIESEL)	2018	2021	FR60AD	
PICASSO	1995	2002	F70RD	70LFD
XANTIA	1995	2002	60FRD	60LBD
XM	1995	2000	60FRD	60LBD
XM EXCLUSIVE	1992			
XSARA	1998	2012	FB60AD	
ZX 16 V / VOLCANE	1990		F70RD	70LFD



CARAVAN	1995	1999	F70RE	70LFD
CARAVAN	2000	2007	F70RD	70LFD
CIRRUS	1995	2000	F45RE	45LFD
COMANDER	2006	2010	R80AD	
COUNTRY		2012		LF95SD
GRAND CARAVAN VISION	1996	1999	F80RE	L80FD
GRAND CARAVAN VISION	2000		F80RD	L80FD
JEEP WRANGLER	1997	2011	60FBE	60LBE
JOURNEY	2009	2016	R80AD	
DURANGO	2008	2014	F80RD	L80FD
RAM 2500	2009	2016	F80RD	L80FD
DAKOTA	2006	2010	R80AE	
DAKOTA	2000	2005	FR90CDD	LF90CDD
DURANGO	2015	2019	R80AD	
TOWN	1992	2013	R80AE	

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional
APPLAUSE 1.6L 16V	1994	2022	FR50DHC	
CHARADE 1.3L 16V	1994	2022	FR40DHF	
CUORE 850CC	1994	2022	FR50DHC	
FEROZA SX 1.6 18V	1994	2022	FR40EHF	
GRAN MOVE 1.5L 16V	1994	2022	FR50DHC	
HIJET/PERUA HIJET	1994	2022	FR50DHC	
PICK-UP HIJET	1994	2022	FR50DHC	
TERIO SX 1.3L 16V	1994	2022	FR40EHF	



M100	2007	2021	FR50EHC	
FURGÃO ULC	2007	2021	FR50EHC	
PICK-UP 2.2 (GASO-LINA)	2008	2021	60FBD	60LBD
VAN	2007	2021	F45RE	L45FE



UNO / PREMIO / ELBA	2000	2014	F45RD	45LFD
500	2008	2014	F50DT	
IDEA	2006	2016	F50DT	
PALIO 1.0, 1.3, 1.6, ADVENTURE, WEEKEND	2000	2012	F50DT	
SIENA	2000	2012	F50DT	
STRADA	2001	2022	F50DT	
500	2015	2016	FB60AD	
ARGO	2018	2022	FB60AD	
BRAVA SX/EXL	2000	2017	FB60AD	
BRAVO	2000	2017	FB60AD	
CRONOS	2018	2022	FB60AD	
DOBLO	2002	2019	FB60AD	
FIORINO	2014	2016	FB60AD	
LINEA	2009	2016	FB60AD	
MOBI	2017	2019	FB60AD	
PALIO 1.0, 1.3, 1.6, ADVENTURE, WEEKEND	2013	2019	FB60AD	
PUNTO	2011	2017	FB60AD	
GRAND SIENA	2013	2019	FB60AD	
STILO	2001	2010	FB60AD	
UNO (NOVO)	2012	2019	FB60AD	
FIORINO	2000	2013	60FBD	60LBD
FREEMONT	2012	2015	60FBD	60LBD
TORO	2016	2019	F80RD	L80FD
DUCATO	2000	2019		LF95SD



COURIER	2007	2012	F45RD	45LFD
FIESTA	2000	2013	F45RD	45LFD
NEW FIESTA	2012	2015	F45RD	45LFD
KA	2000	2013	F45RD	45LFD
ECOSPORT 1.5	2015	2016	F50DT	
ECOSPORT 1.6	2001	2015	FB60AD	
ECOSPORT 2.0	2003	2019	FB60AD	
EXPLORER	TODOS		R80AE	

AUTOMÓVEIS E UTILITÁRIOS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

EXPLORER DIESEL	TODOS		F80RD	L80FD
NEW FIESTA	2016	2022	FB60AD	
NEW FIESTA SEDAN	2012	2022	FB60AD	
FOCUS HATCH / SEDAN 1.6	2001	2019	60FBD	60LBD
FOCUS HATCH / SEDAN 2.0	2014	2019	F70RD	70LFD
FUSION 2.0/2.5	2006	2021	FB60AD	
KA	2014	2022	FB60AD	
MUSTANG	2000	2013	FB60AD	
MUSTANG GT	2018	2022	FB60AD	
RANGER FLEX	2000	2022	F70RD	70LFD
RANGER DIESEL	2010	2019	F70RD	70LFD
RANGER DIESEL 6 CILINDROS	2010	2022	F80RE	L80FE
F-150 / 250 / 350	2000	2015	F70RE	70LFE
F-150 / 250 / 351 DIESEL	2000	2015	F80RE	L80FE
EDGE	2009	2011	R80AD	
EDGE	2013	2019	R80AE	
TERRITORY	2021	2022	R80AE	
TERRITORY	2021	2022	R80AE	



CITY	2009	2014	FR40DHF	
CITY	2015	2019	FR50DHC	
ACCORD (04 CILINDROS)	2000	2019	FR50DHC	
ACCORD (06 CILINDROS)	2000	2019	FB60AD	
CIVIC	1995	2005	FR50EHC	
CIVIC	2000	2000	FR50DHC	
CIVIC	2008	2012	FR50DHC	
CIVIC LXR/EXR/LX	2014	2016	FB60AD	
CIVIC G10	2016	2021	FB60AD	
CIVIC G11	2022	2022	FB60AD	
CR-V	2004	2013	FR50DHC	
FIT	2003	2014	FR40DHF	
FIT	2015	2021	FR50DHC	
WR-V	2017	2022	FR50DHC	
CR-V	2014	2021	FB60AD	
HR-V	2015	2022	FB60AD	



ACCENT	2000	2006	60FBD	60LBD
AZERA	2007	2019	R80AD	
HB20 1.0	2012	2019	F50DT	
VELOSTER	2012	2014	F50DT	
CRETA 1.6	2017	2019	FB60AD	
ELANTRA	2011	2019	FB60AD	
HB20 1.6	2012	2019	FB60AD	
HB20 (3 CILINDROS)	2019	2022	F50DT	
I30	2013	2019	FB60AD	
SONATA	2000	2001	60FBE	60LBE
CRETA 2.0	2017	2022	F70RD	70LFD
IX35	2012	2019	R80AD	
SANTA FÉ	2001	2019	R80AD	
GRAN SANTA FÉ	2012	2019	R80AD	

AUTOMÓVEIS E UTILITÁRIOS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

SONATA	2010	2014	R80AD	
TUCSON	2005	2016	R80AD	
TUCSON	2017	2021	F80RD	L80FD
VERA CRUZ	2007	2012	FR90CDD	LF90CDD
VERA CRUZ	2011	2019	FR90CDD	LF90CDD
GENESIS	2012	2019		LF95SD



J2	2012	2021	FR50DHC	
J3	2010	2021	60FBD	60LBD
J5	2012	2021	60FBD	60LBD
J6	2011	2021	60FBD	60LBD
0	2017	2021	R80AE	
T6	2016	2021	R80AE	
T8	2013	2016	R80AE	
T40	2017	2022	FB60AE	
T80	2019	2022	FR90CDD	LF90CDD
T140 (DIESEL)	2013	2021		LF95SD



DAIMLER 4.0	2000	2000		LF95SD
HUMMER H2	2008	2009	R80AD	
HUMMER H3/H3T	2009	2021	FR90CEE	LF90CEE
S TYPE 2.5 24V/4.2 V8 32V/4.2 RV8 32V	2001	2022		LF95SD
S TYPE 3.0 24V/4.0 32V	1998	2021		LF95SD
XF 3.0 V6	2008	2013		LF95SD
XF 4.2 SPORT / 4.2 V8 / 5.0 / PORTFOLIO	2008	2013		LF95SD
XJ 126.0	1994	2021		LF95SD
XJ6 4.0 24V KOMPRES-SOR	1994	1998		LF95SD
XK8 4.0 32V CONVERTI-BLE/COUPE	1996	2021		LF95SD
X-TYPE	2002	2006	R80AD	



CHEROKEE	2003	2014	FB60AD	
COMPASS	2016	2021	F70RD	70LFD
COMPASS DIESEL	2016	2021	R80AD	
RENEGADE	2015	2021	F70RD	70LFD
WRANGLER	2000	2015	F70RD	70LFD
CHEROKEE	2000	2002	R80AE	
GRAND CHEROKEE	2012	2019		LF95SD
COMMANDER	2021	2022	R80AD	



PICANTO	2011	2019	FR40DHF	
BONGO K2400	TODOS		FR90CEE	LF90CEE
BONGO K3600	TODOS		F100E	L100E
GRAN BESTA (DIESEL)	2000	2021	FR90CDD	LF90CDD
SOUL	2009	2017	F50DT	
CARENS	2000	2013	FB60AD	
CERATO	2005	2021	FB60AD	

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional
MAGENTIS	2001	2010	FB60AD	
SPORTAGE	2016	2021	FB60AD	
CLARUS	2000	2000	60FBE	60LBE
CADENZA	2011	2014	R80AD	
CARNIVAL	2000	2015	R80AD	
OPIRUS	2004	2010	R80AD	
OPTIMA	2002	2015	R80AD	
SORENTO	2003	2012	FR90CEE	LF90CEE
SORENTO	2012	2021	R80AD	
SPORTAGE	2000	2015	R80AD	
BONGO	2005	2015	FR90CDD	LF90CDD
MOHAVE	2005	2014	FR90CDD	LF90CDD
SPORTAGE DIESEL	2000	2014	FR90CDD	LF90CDD
BONGO	2005	2015	FR90CDD	LF90CDD
MOHAVE	2005	2014	FR90CDD	LF90CDD
SPORTAGE DIESEL	2000	2014	FR90CDD	LF90CDD



FREELANDER	2005	2015	F80RD	L80FD
RANGE ROVER SPORT	2012	2013	F80RD	L80FD
DISCOVERY	2000	2004	FR90CDD	LF90CDD
DEFENDER	2000	2021	FR90CEE	LF90CEE
DISCOVERY	2005	2015		LF95SD
DISCOVERY SPORT	2005	2016		LF95SD
RANGE ROVER VOGUE	2012	2014	R80AD	
RANGE ROVER	2000	2016		LF95SD
RANGE ROVER EVOQUE	2009	2013		LF95SD



ES-300	1992	2003	FR50DHC	
ES-300	2004	2006	FB60AD	
ES-350	2009	2012	R80AE	
ES-350	2007	2011	FB60AD	
GS 300	1998	2006	FB60AE	
LS 400	1995	2000	FB60AD	
LS 430	2001	2006	FB60AD	
LS 460	2007	2011	FB60AE	
RX 300	1999	2003	FB60AD	
SC 400	1992	2000	FR90CDD	LF90CDD
UX	2021	2022	FB60AD	
NX	2021	2022	FB60AD	
RX	2021	2022	FB60AD	



POISON MINE TRUCK	2016	2021	FB60AD	
530	2015	2022	FB60AD	
SUV X80	2016	2022	FR90CDD	LF90CDD



3200	1995	1995	F70RD	70LFD
COUPÉ	2003	2007	R80AD	
GRANCABRIO	2010	2011		LF95SC
GRANSPORT	2005	2007	FR80D	L80FD
GRANTURISMO	2008	2009	FR80D	L80FD
QUATROPORTE	2005	2009	FR80D	L80FD

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional
SPYDER	2002	2006	R80AD	



Mercedes-Benz

CLASSE-A	2000	2014	FB60AD	
CLASSE-B	2005	2014	FB60AD	
C-180	2000	2013		LF95SD
C-200	2000	2009		LF95SD
C-230	2000	2009		LF95SD
C-240	2001	2005		LF95SD
C-280	2000	2007		LF95SD
C-300	2008	2017		LF95SD
C-320	2001	2005		LF95SD
CL-500	2000	2006		LF95SD
CL-600	2000	2011		LF95SD
CLA 200	2005	2017		LF95SD
CLK-230	2000	2002		LF95SD
CLK-320	2000	2005		LF95SD
E-250	2011	2021		LF95SD
E-280	2007	2016		LF95SD
E-320	2000	2009		LF95SD
E-350	2006	2013		LF95SD
E-430	2000	2003		LF95SD
E-500	2000	2006		LF95SD
ML-320	2000	2009		LF95SD
ML-350	2003	2012		LF95SD
ML-430	2000	2009		LF95SD
S-500	2000	2006		LF95SD
S-560	2005	2015		LF95SD
S-600	2009	2012		LF95SD
SL-320	2006	2013		LF95SD
SL-500	2004	2009		LF95SD
SL-600	2011	2013		LF95SD
SRINTER	2000	2019		LF95SD



COOPER	2006	2022	FB60AD	
PACEMAN	2013	2022	FB60AD	



323	1992	1995	FR50DHC	
626 GLX	1998	2002	FB60AD	
929	1992	1995	FR50DHC	
B-2200 PICK-UP	1992	1993	F45RE	L45FE
B-2500 PICK-UP	1998	2001	FB60AE	
MILENIA	1995	2002	FR50DHC	
MV	1995	2000	FB60AD	
MX-3	1995	1996	F45RD	L45FD
MX-5 1.8	2006	2011	FR50DHC	
PROTEGE	1999	2003	F45RD	L45FD



GALANT	2000	2011	F45RE	45LFE
AIRTREK	2003	2008	FB60AD	
ASX	2005	2013	FB60AD	

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional
LANCER	2002	2016	FB60AD	
PAJERO TR4	2004	2015	FB60AD	
ECLIPSE	2000	2011	60FBE	60LBE
ASX	2014	2015	F70RD	70LFD
L200 2X2/4X4	1995	2021	F80RD	L80FD
L200 2X2/4X4 DIESEL	1995	2021	FB60AE	
L200 OUTDOOR	2000	2014	F70RE	70LFE
LANCER EVOLUTION	2012	2015	R80AD	
SPACE WAGON	1997	2022	FB60AE	
PAJERO DAKAR DIESEL	2004	2022	FR90CDD	LF90CDD
PAJERO FULL DIESEL	2004	2022	FR90CDD	LF90CDD
PAJERO FULL	2001	2014	R80AD	
PAJERO SPORT	2009	2021	FR90CEE	LF90CEE
PAJERO SPORT DIESEL	2009	2021	FR90CEE	LF90CEE
L200	2008	2013	FR90CDD	LF90CDD
L200 TRITON	2000	2017	FR90CDD	LF90CDD
PAJERO DAKAR	2013	2016	FR90CDD	LF90CDD
OUTLANDER 2.0/3.0 V6	2017	2022	F50DT	
OUTLANDER 2.0/3.0 V6	2017	2022	F50DT	



MARCH	2012	2021	F45RD	45LFD
MARCH NACIONAL	2013	2022	FB60AD	
ALTIMA	2001	2016	FR50DHC	
FRONTIER	2006	2012	FB60AD	
FRONTIER (DIESEL)	1997	2001	FR90CEE	LF90CEE
FRONTIER	2002	2005	FB60AE	
FRONTIER (DIESEL)	2002	2005	FB60AE	
FRONTIER ELETRO-NIC 2.8TDI (DIESEL)	2006	2022	FR90CDD	LF90CDD
KICKS	2016	2021	FB60AD	
LIVINA	2011	2014	FB60AD	
QUEST	2000	2009	FB60AD	
SENTRA	2000	2021	FB60AD	
TIIDA	2008	2014	FB60AD	
VERSA	2013	2019	FB60AD	
X-TERRA	2005	2013	FB60AD	
X-TRAIL	2013	2014	FB60AD	
FRONTIER	2000	2005	60FBE	60LBE
FRONTIER	2013	2017	F70RD	70LFD
MAXIMA	2000	2001	R80AD	
PATHFINDER	2009	2011	R80AD	
PRIMAVERA	2000	2000	R80AD	
PATHFINDER	2003	2008	R80AE	
PRIMAVERA	2000	2000	R80AD	
PATHFINDER	2003	2008	R80AE	



PEUGEOT

106/205	2000	2001	F45RD	45LFD
206 1.0	2000	2010	F45RD	45LFD
208	2013	2015	F50DT	
306	2000	2001	F50DT	
PARTNER	2000	2012	F50DT	

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional
207	2009	2014	FB60AD	
307	2002	2013	FB60AD	
308	2012	2019	FB60AD	
308 (3 CILINDROS)	2020	2022	FB60AD	
407	2004	2009	FB60AD	
408	2010	2019	FB60AD	
2008	2015	2019	FB60AD	
807	2004	2005	F70RD	70LFD
HOGGAR	2011	2015	F50DT	
206 1.4 / 1.6	2000	2010	60FBD	60LBD
406 2.0	2000	2005	60FBD	60LBD
406 3.0	2000	2005	F70RD	70LFD
3008	2011	2019	F70RD	70LFD
5008	2018	2022	R80AD	
EXPERT	2018	2022	FB60AD	
BOXER	2000	2015		LF95SD
BOXER	2000	2015		LF95SD



PORSCHE

911	1998	2011	R80AD	
928	1995	1998	R80AD	
968	1992	1995	F70RD	70LFD
911 (2 BATERIAS)	1991	1993	F45RD	45LFD
BOXSTER	2000	2011	R80AD	
CAYENNE	2003	2022		LF95SD
CAYMAN	2010	2022	R80AD	
CARRERA	TODOS		R80AD	
PANAMERA	2010	2022		LF95SD



RENAULT

KANGOO	2000	2016	F50DT	
KWID	2017	2021	F50DT	
LOGAN	2008	2019	F50DT	
LOGAN	2020	2022	FB60AD	
LAGUNA	1995	2006	60FBD	60LBD
SANDERO	2009	2021	F50DT	
TWINGO	1992	2005	F50DT	
CLIO 1.0	1996	2016	F50DT	
CLIO 1.2	2005	2021	FB60AD	
CAPTUR	2017	2019	FB60AD	
DUSTER / OROCH	2013	2019	FB60AD	
FLUENCE	2011	2021	FB60AD	
MEGANE	2000	2014	FB60AD	
SCENIC	2000	2011	FB60AD	
SYMBOL	2009	2012	FB60AD	
OROCH	2015	2016	FB60AD	
MASTER	2000	2019		LF95SD



SUBARU

FORESTER	2018	2019	F50DT	
IMPENZA	2017	2019	F50DT	
FORESTER	2000	2014	FB60AD	
LEGACY	2000	2006	FB60AD	
IMPENZA	2000	2007	R80AD	
OUTBACK	2013	2019	R80AD	

AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional

XV CROSSTREK	2012	2019	R80AD	
VIVIO	TODOS		FR40EHF	
SVX	1992	1997	60FBE	60LBE



FORESTER	2018	2019	F50DT	
IMPENZA	2017	2019	F50DT	
FORESTER	2000		2014	FB60AD
LEGACY	2000		2006	FB60AD
IMPENZA	2000	2007	R80AD	
OUTBACK	2013	2019	R80AD	
XV CROSSTREK	2012	2019	R80AD	
VIVIO	TODOS		FR40EHF	
SVX	1992	1997	60FBE	60LBE
SWIFT 1.0	1989	2020	FR40EHF	
SWIFT 1.3	1989	2020	FR50DHC	
VITARA	1999	2016	F70RD	
VITARA V6	1997	1998	F70RE	
WAGON	1999	1999	FR40DHF	



BALENO	1990	1995	FR40D	LF40D
BALENO	1995	2021	FR40E	LF40E
GRAN VITARA TD (DIESEL)	TODOS		FR90CEE	LF90CEE
IGNIS	2003	2003	FR50DHC	
JIMNY	98 > 11	2011	FR50DHC	
JIMNY	12 >	2012	FR50EHC	
SAMURAI 1.3	92 > 95	1995	FR40EHF	
SIDEKICK	96 > 98	1998	F70RD	70LFD
SWIFT 1.0	1989	2020	FR40EHF	
SWIFT 1.3	1989	2020	FR50DHC	
VITARA	99 > 16		F70RD	70LFD
VITARA V6	1997	1998	F70RE	70LFD
WAGON	1999	1999	FR40DHF	
CAMRY	2007	2019	R80AD	
HILUX DIESEL	2002	2005	FR90CEE	
HILUX 2.8 D/3.0	2005	2016	FR90CDD	
HILUX / SW4	2000	2005	FR90CEE	LF90CEE
SW4 V6	2012	2021	FR90CDD	
HILUX / SW4	2017	2022	R80AD	



PANTANAL 3.0 TDI ELETRONIC	2006	2020	60FBD	60LBD
PANTANAL 3.0 TDI ELETRONIC (DIESEL)	2006	2020	R80AD	
RF SPORT 2.0	1997	1998	60FBD	60LBD
RF SPORT 2.0 MI	1998	2001	F70RD	70LFD
T4 3.0 ELETRONIC	2005	2020	F80RD	70LFD
T4 3.0 ELETRONIC (DIESEL)	2005	2020	R80AD	
T4/T4M	1998	2021	F70RD	70LFD
T4/T4M (DIESEL)	1998	2021	FR80D	L80FD



AUTOMÓVEIS E UTILITÁRIOS

Modelo	Ano		Linha	
	De	Até	Free	Convencional

FOX	2004	2019	F50DT	
POLO	2018	2019	F50DT	
UP!	2014	2021	F50DT	
VIRTUS	2018	2021	F50DT	
BORA	2000	2011	FB60AD	
CROSSFOX	2005	2020	FB60AD	
GOL	2012	2021	FB60AD	
GOLF	2000	2021	FB60AD	
JETTA	2000	2008	FB60AD	
NEW BEETLE	2000	2011	FB60AD	
NEW FUSCA	2011	2016	FB60AD	
PARATI	2000	2012	FB60AD	
POLO	2000	2014	FB60AD	
POLO	2017	2021	F50DT	
SPACE CROSS	2011	2017	FB60AD	
SPACE FOX	2005	2017	FB60AD	
VOYAGE	2008	2019	FB60AD	
GOL	2000	2011	60FBD	60LBD
SANTANA / QUANTUM	2000	2006	60FBD	60LBD
SAVEIRO	2000	2019	60FBD	60LBD
JETTA	2009	2019	F70RD	70LFD
PASSAT	2000	2014	F70RD	70LFD
TIGUAN	2009	2021	F70RD	70LFD
AMAROK GASOLINA	2011	2022	F80RD	L80FD
AMAROK DIESEL	2011	2022		LF95SD
NIVUS	2020	2022	F50DT	
VARIANT GL VR6 IMPORTADO	TODOS		R80AD	



S70	2000	2011	FB60AD	
V40/460/85	2000	2014	FB60AD	
850	1993	1997	FB60AD	
940	1992	1995	FB60AD	
960 SEDAN	1992	1997	R80AD	
580 T6	TODOS		R80AD	
V40	1997	2016	FB60AD	
V50	2005	2012	F70RD	70LFD
V70	2004	2011	FB60AD	
C30	2008	2011	F70RD	70LFD
C70	2000	2011	F70RD	70LFD
S40	2000	2011	F70RD	70LFD
V60	2015	2019	F70RD	70LFD
V60 T5 R-DESIGN	2013	2014	R80AD	
S60	2001	2015	F80RD	L80FD
S70	1998	2011	FB60AD	
S80	2000	2012	F80RD	L80FD
V60	2013	2014	FR90CDD	LF90CDD
XC40	2018	2022	R80AD	
XC60	2003	2011	R80AD	
XC60	2010	2015	FR90CEE	LF90CEE
XC70 2.5 T AWD / T6 AWD	TODOS			LF95SD
XC90	2014	2019	FR90CEE	LF90CEE
XC90	2003	2011		LF95SD

AUTOMÓVEIS E UTILITÁRIOS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

CAMINHÕES E ÔNIBUS



MA 10 (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 7.9 (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 8.0 (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 8000 L (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 7.5 E-TRONIC	TODOS		F150RMD	L150FMD
MA 8.5 E-TRONIC	TODOS		F150RMD	L150FMD
MA 9.2 E-TRONIC	TODOS		180FRMD	180LFMD
MA 9.2 GREEN E-TRONIC	TODOS		180FRMD	180LFMD
MA 10.0/MA 15.0	07 >		180FRMD	180LFMD
VOLARE AG	2002	2021	F100E	L100E
VOLARE W8/W9	2008	2009	F70RE	70LFE
VOLARE W8/W9	2009	2022	F100E	L100E
MA 7.9/8.5/8.7/9.2/10	2001	2022	F100E	L100E
MA 12.0/MT 12 SB/ MT 12 LE CA/MA 15/ MT 15 LE CA	2011	2022	F150RMD	L150FMD
6000	2000	2011	F100E	L100E
8700	2012	2016	F100E	L100E
10000	2012	2015	F100E	L100E
14000	2012	2015	F100E	L100E
7000	2000	2002	180FRMD	180LFMD
7500	2000	2005	180FRMD	180LFMD
8000	2002	2015	180FRMD	180LFMD
8500	2000	2011	180FRMD	180LFMD
9200	2004	2011	180FRMD	180LFMD



MA 10 (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 7.9 (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 8.0 (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 8000 L (DIESEL/2 BATERIAS)	TODOS		F100E	L100E
MA 7.5 E-TRONIC	TODOS		F150RMD	L150FMD
MA 8.5 E-TRONIC	TODOS		F150RMD	L150FMD
MA 9.2 E-TRONIC	TODOS		180FRMD	180LFMD
MA 9.2 GREEN E-TRO-NIC	TODOS		180FRMD	180LFMD
MA 10.0/MA 15.0	07 >		180FRMD	180LFMD



MA12 E-TRONIC (2 BATERIAS)	TODOS		F150RMD	L150FMD
MA1258 E-TRO-NIC (2 BATERIAS)	TODOS		F150RMD	L150FMD

CAMINHÕES E ÔNIBUS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

MA12LE E-TRO-NIC (2 BATERIAS)	TODOS		F150RMD	L150FMD
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769/777/773E/775E	TODOS			LF225ON
CAMINHÃO T/ TT 24T D`ÁGUA	1979	2021		LF225ON
R-22/33303	1973	2022		LF225ON
R35	1976	2022		LF225ON
R70	TODOS			LF225ON



5-90 / 6-100 / 6-150 / 7-110	2000	2002	F70RE	70LFE
12-170 / 14-190 / 15-190 / 16-220	2000	2002	F100E	L100E
12-170/12-190/14-190/15-190/16-220 (2 BATERIAS)	1999 >	2022	F100E	L100E
5-90/6-100/6-150 (2 BATERIAS)	1999 >	2022		
A10/A20	TODOS			
AC99 CANAVIEIRO	1985 >	2022	R80AD	
AMBULÂNCIA	1989 >	2022	R80AD	
D11-000/D12.000/ D13.000/D14.000/ D19000/21.000/22.000	TODOS		180FRMD	180LFMD
D6000	TODOS		R80AE	
GMC 5-90 (2 BATERIAS)	TODOS		F80RD	L80FD
GMC 7-110 (2 BATERIAS)	TODOS		F100E	L100E
GMC12170/14190 /16220 (2 BATERIAS)	1997	2022	F100E	L100E
3500	2001	2002	F100E	L100E



CF 85 FT	2015	2022	180FRMD	180LFMD
CF 85 FTS	2015	2022	180FRMD	180LFMD
XF 105 FTS	2013	2022	180FRMD	180LFMD
XF 105 FTT	2013	2022	180FRMD	180LFMD
CF 85 FTS	2015	2022	180FRMD	180LFMD
XF 105 FTS	2013	2022	180FRMD	180LFMD
XF 105 FTT	2013	2022	180FRMD	180LFMD



CARGO 712 / 814 / 815	2007	2010	F100E	L100E
CARGO 816 / 1119	2010	2015	F100E	L100E
CARGO 1319	2013	2015	F100E	L100E
CARGO 1519 / 1719 / 1723 / 1731 / 1933 / 2423 / 2429	2013	2019	F100E	L100E
CARGO 2431 / 2623 / 2629 / 2631 / 3131 / 3133 /	2015	2019	F100E	L100E
CARGO 1217 / 1218 /	2000	2002	180FRMD	180LFMD
CARGO 1317	2000	2011	180FRMD	180LFMD

CAMINHÕES E ÔNIBUS

Modelo	Ano		Linha	
	De	Até	Free	Convencional

CARGO 1415	2000	2001	180FRMD	180LFMD
CARGO 1417 / 1421 / 1617 / 1621 / 1622 / 1630	2001	2002	180FRMD	180LFMD
CARGO 1517	2000	2011	180FRMD	180LFMD
CARGO 1521	2003	2006	180FRMD	180LFMD
CARGO 2042	2013	2016	180FRMD	180LFMD
CARGO 2422	2000	2011	180FRMD	180LFMD
CARGO 2425	2000	2002	180FRMD	180LFMD
CARGO 2042 / 2842	2013	2017	180FRMD	180LFMD
CARGO 2630	2000	2002	180FRMD	180LFMD
CARGO 2831	2005	2007	180FRMD	180LFMD



HYUNDAI

H1 / H100 / HR	TODOS	FR90CEE	LF90CEE
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DURASTAR	2010	2018	F100E	L100E
9800 i	2010	2018	F100E	L100E

IVECO

DAILY	2000	2015		LF95SD
DAILY 50C17	2013	2015		LF95SD
DAILY 35S14	2008	2011		LF95SD
DAILY 45S17	2013	2016		LF95SD
CITYCLASS / EXECUTIVO	2012	2015	F100E	L100E
EUROCARGO 120 / 150 / 160 / 170 / 230 / 260 / 450	2000	2011	F100E	L100E
POWERSTAR	2001	2004	F100E	L100E
TECTOR 150E21	2014	2015	F100E	L100E
TECTOR 170E28	2013	2017	F100E	L100E
TECTOR ATTACK (TODOS)	2013	2017	F100E	L100E
BUS 170S28 U / 170S28 F	2014	2017	180FRMD	180LFMD
CITYCLASS ESCOLAR	2012	2015	180FRMD	180LFMD
EUROTECH MP 450 / TZ 740	2000	2007	180FRMD	180LFMD
EUROTRAKKER 380 / 720	2004	2009	180FRMD	180LFMD
HI WAY (TODOS)	2013	2016	180FRMD	180LFMD
STRALIS (TODOS)	2005	2011	180FRMD	180LFMD
TRAKKER 410 / 740	2014	2016	180FRMD	180LFMD
VERTIS 90V80 HD / 130V19 HD	2013	2017	180FRMD	180LFMD
DAILY CHASSI	2000	2011	180FRME	180LFME
DAILY CHASSI 55C16 / 59.12 / 70.13 / 70C.16	2002	2004	180FRME	180LFME
TECTOR 170E25	2009	2011	180FRME	180LFME
TRAKKER 380 T38 / T42 / TRAKKER 720 T42	2008	2011	180FRME	180LFME



Mercedes-Benz

CAMINHÕES E ÔNIBUS

Modelo	Ano		Linha	
	De	Até	Free	Convencional

1938S (ELETRÔNICO/2 BATERIAS)	TODOS		180FRMD	180LFMD
1938S/2038S/2425 (ELETRÔNICO/2 BATERIAS)	TODOS		F100E	L100E
1944S	TODOS		180FRME	180LFME
608/708/709/710/711/712	TODOS		F100E	L100E
712C/914C/1215C (ELETRÔNICO/2 BATERIAS)	2000	2022	F100E	L100E
912-9 (BATERIA NA CABINE)	1987	2021	F100E	L100E
2423/2428/2438/2726	TODOS		F100E	L100E
ACCELO 715C/915C/1315/1315C (2 BATERIAS)	TODOS		F100E	L100E
ACTROS	2008	2011	180FRME	180LFME
ACTROS	2012	2022	180FRMD	180LFMD
ACTROS 2546	TODOS			LF2250NE
ATEGO 1315/1418/1518/1718/1725/1728	TODOS		F100E	L100E
ATEGO 2425/2428	TODOS		F100E	L100E
ATILIS 712	TODOS		F100E	L100E
AXOR 1933/2035/2040/2044/2533/2535/2540/2544	TODOS		180FRMD	180LFMD
AXOR 2640/2644/2826/2831/3340/3344/4140/4144	TODOS		180FRMD	180LFMD
L 1113/1114/1117/1118	TODOS		F100E	L100E
L 1214/1218	TODOS		F100E	L100E
L 1313/1314/1316/1317/1318/1319	TODOS		F150RMD	L150FMD
L 1414/1418	TODOS		F150RMD	L150FMD
L 1513/1514/1516/1517/1518/1519/1520	TODOS		F150RMD	L150FMD
L 1614/1618/1621/1625	TODOS		F150RMD	L150FMD
L 1620/1624/1630	87 >	2022	F100E	L100E
L 709/912/LS1934	88 >	2022	F100E	L100E
L 2013/2014/2017/2213/2214/2215/2216/2217/2219	TODOS		F150RMD	L150FMD
L 2220/2225/2314/2318/2325/2635/2638			180FRMD	180LFMD
LK 1618/1620/2635			180FRMD	180LFMD
LO 812	87 >	2022	F150RMD	L150FMD
LS 1313/1519/1520/1524/1525/1625/1932/1933	TODOS		F150RMD	L150FMD
LS1634 (2 BATERIAS)	TODOS		F150RMD	L150FMD
LS 1938/2638/LK 2638 (2 BATERIAS)	00 >	2022	180FRMD	180LFMD
OH 1115/1314/1315/1420/1318	87 >	2022	F150RMD	L150FMD
710	2000	2011	F100E	L100E
712	2000	2003	F100E	L100E
914	2000	2003	F100E	L100E
1215	2000	2004	F100E	L100E
1720	2000	2006	F100E	L100E

CAMINHÕES E ÔNIBUS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional
1728	2003	2007	F100E	L100E
2423	2000	2009	F100E	L100E
2428	2001	2010	F100E	L100E
2726	2008	2011	F100E	L100E
ACCELO 11315 / 1315 C	2008	2015	F100E	L100E
ACCELO 715 / 915	2002	2011	F100E	L100E
ATEGO 1315 / 1418 / 1518 / 1718 / 1725 / 1728 / 2425 / 2428	2005	2011	F100E	L100E
ATEGO 1419 / 1719 / 1726 / 1729 / 2426 / 2430	2012	2016	F100E	L100E
ATILIS 712	2008	2010	F100E	L100E
ATRON 1635	2012	2015	F100E	L100E
ATRON 1719	2013	2016	F100E	L100E
ATRON 2324	2012	2016	F100E	L100E
L-1620	2000	2011	F100E	L100E
L-1622	2001	2005	F100E	L100E
LO-712 / 812 (micro)	2005	2015	F100E	L100E
LO-712 / 812 / 915 (ônibus urbano)	TODOS		F100E	L100E
1318	2002	2005	F170RMD	L170FMD
1420	2002	2005	F170RMD	L170FMD
1718	2007	2013	F170RMD	L170FMD
1938	2000	2005	F170RMD	L170FMD
ATRON 2729	2012	2016	F170RMD	L170FMD
AXOR 1933 / 2035 / 2040 / 2044 / 2533 / 2535 / 2540 / 2544 / 2831	2005	2011	F170RMD	L170FMD
AXOR 2041 / 2536 / 2541 / 2640 / 2644 /	2011	2016	F170RMD	L170FMD
AXOR 3131 / 4141	2013	2015	F170RMD	L170FMD
AXOR 3340 / 3344 / 4140 / 4144 /	2006	2011	F170RMD	L170FMD
L-1218	2000	2004	F170RMD	L170FMD
L-1318	2000	2011	F170RMD	L170FMD
L-1418	2000	2003	F170RMD	L170FMD
L-2638	2000	2007	F170RMD	L170FMD
LK-1620	2000	2004	F170RMD	L170FMD
LK-2638	2000	2007	F170RMD	L170FMD
LS-1313 / 1519 / 1520 / 1524 / 1525 / 1625 / 1932 / 1933 / 1934 / 1634	2000	2007	F170RMD	L170FMD
OF 1218 / 1418 / 1721 / 1722 / 1730 (ônibus urbano)	2005	2017	F170RMD	L170FMD
O-500 R 1830 (ônibus rodoviário)	TODOS		F170RMD	L170FMD
O-500 RS 1833 / 1836 (ônibus rodoviário)	TODOS		F170RMD	L170FMD
O-500 RSD 2336 / 2436 / 2442 (ônibus rodoviário)	TODOS		F170RMD	L170FMD
O-500 M (ônibus rodoviário)	2005	2017	F170RMD	L170FMD
1944	2003	2005	180FRME	180LFME
O-500 articulado (ônibus urbano)	TODOS			LF2250N

CAMINHÕES E ÔNIBUS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional
ACTROS 2546 / 2646 / 2655 / 4160 / 4844	2010	2015	F70RE	70LFE
 SCANIA				
G 340 A4X2/B4X2	TODOS			LF180SC
G 380 A4X2NA/A4X2SZ/A6X2NA	TODOS			LF180SC
G420A6X4SZ/B6X4SZ/B6X6HZ/B8X4SZ/A4X-2NA/A4X2SZ/A6X2NA/A6X4NA/A6X4SZ/B6X4SZ	TODOS			LF180SC
G 440 A6X4SZ/B6X4SZ/B8X4SZ/A4X2NA/A4X-2SZ/A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
G 470 A6X4SZ/B6X4SZ/B8X4SZ/A4X2NA/A4X-2SZ/A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
L 114 330/114 340/114 360	TODOS			LF180SC
P 114 330/114 340/114 LA/124 360/124 400/124 420	TODOS			LF180SC
P 220/P 230 B4X2/P 260/P 270 B6X4/P 300/P 340/P 420	TODOS			LF180SC
P 310 LA4X2/CB6X4/CB8X4	TODOS			LF180SC
P 340 LA4X2NA/LA4X-2SZ/LA6X2NA/LB4X2SZ	TODOS			LF180SC
P 380 B6X4/B8X4	TODOS			LF180SC
P 420 A6X4SZ/B4X4HZ/B6X4SZ/B8X4SZ/B4X2SZ	TODOS			LF180SC
R 380 A4X2/A6X2/B4X2	TODOS			LF180SC
R 400/440	2006	2022		LF180SC
R 420 A4X2SZ/A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
R 440 A4X2SZ/A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
R 470 A4X2NA/A4X2SZ/A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
R 500 A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
R 580 A6X4SZ/B4X2SZ	TODOS			LF180SC
CAMINHÃO SÉRIE 4 (2 BATERIAS)	1998	2022		LF180SC
F112HL/K112/L112/S112/T112/L142 (2 BATERIAS)	1981	2022	F150RMD	L150FMD
F113HL/K113/R113/S113/T113/R143 (2 BATERIAS)	1981	2022	F150RMD	L150FMD
R 470 A4X2NA/A4X2SZ/A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC
R 500 A6X2NA/A6X4NA/A6X4SZ	TODOS			LF180SC

CAMINHÕES E ÔNIBUS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

R 580 A6X4SZ/B4X2SZ	TODOS			LF180SC
CAMINHÃO SÉ- RIE 4 (2 BATERIAS)	1998	2022	F150RMD	L150FMD
F112HL/K112/L112/ S112/T112/L142 (2 BA- TERIAS)	1981	2022	F150RMD	L150FMD
F113HL/K113/R113/ S113/T113/R143 (2 BA- TERIAS)	1981	2022	F150RMD	L150FMD
F113HL/K113/R113/ S113/T113/R143 (2 BA- TERIAS)	1981	2022	F150RMD	L150FMD
T-112 / 113	TODOS		F150RMD	L150FMD
G-340 / 380 / 420 / 440 / 470	TODOS			LF180SC
L-111 / 141	TODOS			LF180SC
P- 94 / 114 / 124 / 130 / 230 / 270 / 310 / 340 / 420 /	TODOS			LF180SC
R-113 / 114 / 124 / 164	TODOS			LF180SC
R-400 / 420 / 440 / 470 / 480 / 500 / 560 / 620	TODOS			LF180SC
T-114 / 124	TODOS			LF180SC



SCANIA

ÔNIBUS URBANO

F 230 B4X2	TODOS			LF180SC
F 270 B4X2/B6X2	TODOS			LF180SC
F 310 B6X2	TODOS			LF180SC
K230/K270/K310 (2 BATERIAS)	TODOS			LF180SC



SCANIA

ÔNIBUS RODOVIÁRIO

K 270 B4X2	TODOS			LF180SC
K 420 B4X2/B6X2	TODOS			LF180SC
K 310/K340/K380/ K 320 (2 BATERIAS)	TODOS			LF180SC



K 270 B4X2	TODOS			LF180SC
K 420 B4X2/B6X2	TODOS			LF180SC
K310/K340/K380/ K320 (2 BATERIAS)	TODOS			LF180SC
DELIVERY 5.150 / 8.160 / 9.160 / 10.160 /	2010	2015	F100E	L100E
VOLKSBUS 5.150 / 8.160 / 9.160	2012	2016	F100E	L100E
5.140 / 8.120 / 8.150 / 9.150 (micro ônibus)	2005	2016	F100E	L100E
5-140 / 6.80 / 6.90 / 7.90 / 7.100 / 7.110 / 8.100 / 8.120 . 8.140 /	TODOS		F100E	L100E
8.150 / 9.150 / 11.130 / 11.140 / 13.150	TODOS		F100E	L100E
23.250 / 24.250 / 31.260	TODOS		F100E	L100E

CAMINHÕES E ÔNIBUS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

WORKER / 13.190 / 15.190 / 17.190 / 17.230 / 23.230	2011	2016	F150RMD	L150FMD
CONSTELLATION 13.190 / 15.190 / 17.190 /	2012	2015	180FRMD	180LFMD
CONSTELLATION 17.280 / 17.330 / 19.330 / 19.420	2012	2016	180FRMD	180LFMD
CONSTELLATION 24.280 / 24.330 / 25.390 / 25.420 /	2011	2015	180FRMD	180LFMD
CONSTELLATION 26.280 / 26.390 / 26.420 /	2012	2017	180FRMD	180LFMD
CONSTELLATION 31.280 / 31.330 / 31.390	2012	2016	180FRMD	180LFMD
VOLKSBUS 15.190 / 15.230 / 17.230 / 17.260 / 17.280 / 18.130	2012	2017	180FRMD	180LFMD
13.170 / 13.190 / 14.140 / 14.150 / 14.170 / 14.180 / 14.200	TODOS		180FRMD	180LFMD
15.180 / 15.190 / 17.210 / 17.220 / 18.310 / 19.320 / 23.210 / 23.220	TODOS		180FRMD	180LFMD
19-320/24-250E (2 BATERIAS)	TODOS		180FRMD	180LFMD
12140H/14150/ 14200/14220/24250	1988 >		180FRMD	180LFMD
12660 (2 BATERIAS)	1986 >		F100E	L100E
13-150	TODOS		F100E	L100E
13-170/13-180/ 13-190/15-180/15-190	TODOS		F150RMD	L150FMD
14-150/14-200/14-220	TODOS		F150RMD	L150FMD
15-180/15-190	TODOS		F150RMD	L150FMD
16-220/23-250	TODOS		F100E	L100E
17-180/17-210/17-220/ 17-240/17-250/17-320	TODOS		180FRMD	180LFMD
18-310	TODOS		F150RMD	L150FMD
19-370	TODOS		180FRMD	180LFMD
22-140/22-160/22-210	1987 >		180FRMD	180LFMD
23-210/23-220	TODOS		180FRMD	180LFMD
24-220/24-250/24-320	TODOS		180FRMD	180LFMD
25-320/25-370	TODOS		180FRMD	180LFMD
26-220/26-260	TODOS		180FRMD	180LFMD
31-260/31- 310/31/320/31-370	TODOS		180FRMD	180LFMD
TITAN 18-310 (2 BATERIAS)	2002 >		F100E	L100E
TITAN CONSTELLA- TION (2 BATERIAS)	2005 >		F100E	L100E
TGX 29.440 (IMPORTADO)	TODOS		TODOS	LF225ONE
8-150EOD (2 BATERIAS)	05 >		F100E	L100E
8-150EOD DELIVERY	05 >		F100E	L100E
9-150FOD	05 >		F100E	L100E

CAMINHÕES E ÔNIBUS

Modelo	Ano		Linha	
	De	Até	Free	Convencional



ÔNIBUS MICRO/MINI

5-140EOD DELIVERY	05 >	F100E	L100E
8-120	TODOS	F100E	L100E
8-150EOD (2 BATERIAS)	05 >	F100E	L100E
8-150EOD DELIVERY	05 >	F100E	L100E
9-150FOD	05 >	F100E	L100E



ÔNIBUS URBANO

15-190EOD	TODOS	F150RMD	L150FMD
17-210EOD/17260 EOT (2 BATERIAS)	05 >	F150RMD	L150FMD
17-230EOD	TODOS	F150RMD	L150FMD
8-120 OD	TODOS	F150RMD	L150FMD
8-150 EOD	TODOS	F150RMD	L150FMD
9-150 EOD/9-150 OD	TODOS	F150RMD	L150FMD
9-150 ODM ELETRÔNICO	TODOS	F150RMD	L150FMD
8.150 EOD / 9.150 OD / 8.150 EOD (ônibus urbano)	TODOS	F150RMD	L150FMD
15.190 EOD / 17.210 EOD / 17.260 EOT (ônibus urbano)	TODOS	F150RMD	L150FMD



ÔNIBUS RODOVIÁRIO

17.230 EOD / 18.310 OT/18.320 OT (2 BATERIAS)	TODOS	180FRMD	180LFMD
18-310 OT	TODOS	F150RMD	L150FMD



VM 210 / 280	TODOS	F100E	L100E
FM 12	TODOS	F100E	L100E
N 1016 / 1020 / 1033	TODOS	F150RMD	L150FMD
N 104 / 10XH / 10XHT	TODOS	F150RMD	L150FMD
N 12 / 12XH / 12XHT	TODOS	F150RMD	L150FMD
NH / FH	TODOS	F150RMD	L150FMD
B7 R (ÔNIBUS URBANO)	TODOS	180FRMD	180LFMD
B9 SLA (ÔNIBUS URBANO)	TODOS	180FRMD	180LFMD
B12 M (ÔNIBUS URBANO)	TODOS	180FRMD	180LFMD
B12 R / B9 R (ÔNIBUS URBANO)	TODOS	180FRMD	180LFMD
FH 12 / 460 / 500 / 540	TODOS	180FRME	180LFME
B10M/B58 ARTICULADO (2 BATERIAS)	79 >		LF225ON
220MCD	TODOS		
FH12 (2 BATERIAS)	2003 > 2022	180FRMD	180LFMD
FH 460/500/540	TODOS		LF225ONE
FM/VM 12 (2 BATERIAS)	TODOS	F100E	L100E
N1016/41020/N1033	1979 > 2021	F150RMD	L150FMD

CAMINHÕES E ÔNIBUS

Modelo	Ano		Linha	
	De	Até	Free	Convencional

N104/10XH/10XHT (2 BATERIAS)	1979 >	2021	F150RMD	L150FMD
N12/12XH/12XHT/NL (2 BATERIAS)	1979 >	2021	F150RMD	L150FMD
SÉRIE FH/NH (2 BATERIAS)	1999	2002	F150RMD	L150FMD



ÔNIBUS URBANO

B7R (2 BATERIAS)	TODOS	180FRMD	180LFMD
B9SLA	TODOS	180FRMD	180LFMD
B12M (2 BATERIAS)	TODOS	180FRMD	180LFMD



ÔNIBUS RODOVIÁRIO

B12R (2 BATERIAS)	TODOS	180FRMD	180LFMD
B9R	TODOS	180FRMD	180LFMD

TRATORES LINHA AGRÍCOLA E TERRA



AGRITECH

TC12	TODOS	FR40DHF	
TC14/TC14S/TC145	TODOS	FR40DHF	



TRATOR 4100 / 4115 / 4120 / 4230 / 4233 / 4240	2002	2010	60FBD	60LBD
AG4200 / 4300	TODOS		F100E	L100E
TRATOR 5065 / 5075 / 5085	TODOS		F100E	L100E
BX 90 / 110 / 130	TODOS		F150RMD	L150FMD
TRATOR 7515	TODOS		F150RMD	L150FMD
MOTOBOMBA 3DL / 4DL	TODOS		F150RMD	L150FMD
4100/4118.4/4120/4230/4240	2002		F70RD	70LFD
AG4200/4300	TODOS		F100E	L100E
BX90/4.90/4.110/130/6150	TODOS		F150RMD	L150FMD
540.4	TODOS		60FBD	60LBD
565.4	TODOS		F100E	L100E
575.4	TODOS		F100E	L100E
5105.4	TODOS			LF135MD
7215	TODOS		F150RMD	L150FMD



BARBER-GREENE®

TRATOR 1118	TODOS	F150RMD	L150FMD
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PÁ CARREGADEIRA 60XT / 70XT / 75XT	TODOS	FR80D	L80FD
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TRATORES LINHA AGRÍCOLA E TERRA

Modelo	Ano		Linha	
	De	Até	Free	Convencional

TRATOR MX MAGNUM	TODOS	FR80D	L80FD
COLHEITADEIRA AXIAL FLOW 284 CV	TODOS	F100E	L100E
ESCAVADEI- RA CX 220 (2 BATE- RIAS)	TODOS	F100E	L100E
MOTONIVELADO- RA 845 (2 BATERIAS)	TODOS	F100E	L100E
PÁ CARREGADEIRA 521 / 621 / 721 / 821 / 921 (2 BATERIAS)	TODOS	F100E	L100E
RETROESCAVADEIRA 580LH	TODOS	F100E	L100E
PÁ CARREGADEI- RA W20/20A36 (2 BA- TERIAS)	TODOS	F150RMD	L150FMD
PÁ CARREGADEI- RA 0XT/60XT/70X- T/75XT (2 BATERIAS)	TODOS	F80RD	L80FD
TRATOR MX MAGNUM 220 A 270 CV (2 BATERIAS)	TODOS	F80RD	L80FD
TRATOR MXM MAGNUM 137 A 177 CV (2 BATERIAS)	TODOS	F70RD	70LFD

CATERPILLAR

CARREGADEIRAS 920 / 955 / 973 / 977 / 980 / 988	TODOS	60FBD	60LBD
MOTO-SCRAPERS TS14R	TODOS	F150RMD	L150FMD
TRATORES DE ESTEIRA PEQUENOS E MÉDIOS D3, D4, D5, D6, 966C	TODOS	F150RMD	L150FMD
MOTONIVELADORAS 14 , 16, 112	TODOS		LF225ON
MOTO-SCRAPERS F24 / TS24	TODOS		LF225ON
TRATOR D7, D8, DL8, D9N	TODOS		LF225ON

BRASALIA

TRATOR	TRATOR	R80AE	
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1000/2070 (2 BATE- RIAS)	70 >		R80AD	
1090/1090A/1105/ 1065/2080 (2 BATERIAS)	66 >		R80AD	
2500/2600/3000/ 8060/82260	80 >		F150RMD	L150FMD
8440/8240 (2 BATE- RIAS)	83 >		F100E	L100E

DEDINI

COLHEITADEIRA	TODOS		LF130TOYY
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TRATORES LINHA AGRÍCOLA E TERRA

Modelo	Ano		Linha	
	De	Até	Free	Convencional

FELEN TINBERJACK

FLORESTAL 608 / 1210B	TODOS	F150RMD	L150FMD
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AD148 / AD14C / A20 / FL8C / AD78 / AD78TA / 14CS	TODOS	F150RMD	L150FMD
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RETROESCAVADEIRA 66017	TODOS	FR90CDD	LF90CDD
GUINDASTE 150A	TODOS		LF225ON
GUINDASTE 9-TM	TODOS		LF95SD
MOTONIVELADORA 10/ DM/11DS	1960	1976	LF130TOYY
MOTONIVELADO- RA100/110/160	TODOS		LF130TOYY

HYSTER

H110F/H120C/H130F/ H150C/F	1961	1979	F100E	L100E
H40K/H50K/H60C/K/ H55N/H80C/H100C/ H35N/H45N	1980	2021	F100E	L100E
VE30/YE40/ HE50-COM MO- TOR F162 4CIL.	1963	1979	60FBE	60LBE
XM45/55	1994	2022	60FBE	60LBE
XM60	1994	2022	F70RE	70LFE
XM60	1994	2022	F70RE	70LFE



JOHN DEERE

COLHEITADEIRA DE CANA CH2500B	TODOS	F100E	L100E
PULVERIZADOR 4720	TODOS	F100E	L100E
TRATOR 5403 / 5605 / 5705 / 6415	TODOS	F100E	L100E
7750 / 7850 /	TODOS	F150RMD	L150FMD
FORRAGEIRAS	TODOS	F150RMD	L150FMD
TRATOR 6615 / 7515 / 7815 / 8420	TODOS	F150RMD	L150FMD
COLHEITADEIRAS 1165 / 1175 / 1450 / 1550 / 1650 / 9650 / 9660 / 9750 /	TODOS	180FRMD	180LFMD
CARREGADEI- RA 553/562SL/563S- L/741SL	TODOS	F150RMD	L150FMD
COLHEITADEI- RA DE CANA CH2500B/ CH570/CH6670	TODOS	F100E	L100E
COLHEITADEI- RA DE CANA 3520/3522	TODOS		LF225ON

TRATORES LINHA AGRÍCOLA E TERRA

Modelo	Ano		Linha	
	De	Até	Free	Convencional

COLHEITADEIRA 1165/1175/1450/1550/1650/9650/9660/9750	TODOS		180FRMD	L180FMD
COLHEITADEIRA DE ALGODÃO CP690	TODOS		F100E	L100E
DISTRIBUIDOR DE SÓLIDOS R4045	TODOS		F100E	L100E
FORRAGEIRA SÉRIE 8000	TODOS		F150RMD	L150FMD
PULVERIZADOR 4630/4720/4730	TODOS		F100E	L100E
TRATOR 5055E/5065E/5075E/5078E/5085E	TODOS		R80AD	
TRATOR 5403/5605/5705/6415	TODOS		F100E	L100E
TRATOR 6110J/6125J/6130J/6145J/6165J/6110E/6125E	TODOS		F150RMD	L150FMD
TRATOR 6615/7515/7815/8420	TODOS		F150RMD	L150FMD
TRATOR 7195J/7210J/7225J	TODOS		F150RMD	L150FMD
TRATOR 8270R/8295R/8320R/8345R/8370R	TODOS		F150RMD	L150FMD
TRATOR 9420R/9470R/9520R	TODOS		F150RMD	L150FMD



ESCAVADEIRA PC150	TODOS		60FBD	60LBD
PÁ CARREGADEIRA WA180	TODOS		60FBD	60LBD
TRATOR ESTEIRA D41 / D45	TODOS		F100E	L100E
ESCAVADEIRA PC200	TODOS		F100E	L100E
TRATOR ESTEIRA D30E / D50A	TODOS		F150RMD	L150FMD
TRATOR ESTEIRA D60 / 61 / 64A	TODOS			LF225ON
D41A TRATOR ESTEIRA	95 >		60FBD	60LBD
D45E TRATOR ESTEIRA	95 >		F100E	L100E
D50A/D30E TRATOR	TODOS		F150RMD	L150FMD
D60/D65A TRATOR	TODOS			LF205ON
D61 TRATOR ESTEIRA	00 >			LF205ON
PC150 ESCAVADEIRA	92 >		60FBD	60LBD
PC200 ESCAVADEIRA	99 >		F100E	L100E
WA180 PÁ CARREGADEIRA	93 >		60FBD	60LBD



TRATORES SÉRIE G	TODOS		F70RD	70LFD
TRATORES SÉRIE PLUS	TODOS		F100E	L100E
TRATORES SÉRIE U	TODOS		F100E	L100E



MD850 / 920-P / 2100	TODOS		F150RMD	L150FMD
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TRATORES LINHA AGRÍCOLA E TERRA

Modelo	Ano		Linha	
	De	Até	Free	Convencional



MASSEY FERGUSON

RETROESCAVADEIRA 751 (2 BATERIAS)	TODOS		R80AD	
COLHEITADEIRAS MF210 / 220 / 1630	TODOS		F100E	L100E
RETROESCAVADEIRAS MF86HS / MF96	TODOS		F100E	L100E
TRATOR MF-50 / 55 / 65 / 85 / 86 / 95 / 95X	TODOS		F100E	L100E
TRATOR 250 / 265 / 266 / 270 / 272 / 275 / 283 / 285 / 290 / 292	TODOS		F100E	L100E
TRATOR 610 / 620	TODOS		F100E	L100E
TRATOR 6855 / 9090 / 9150 / 9170	TODOS		F100E	L100E
COLHEITADEIRAS MF34 / 35 / 3640 / 3650 /	TODOS		F150RMD	L150FMD
RETROESCAVADEIRA 750	TODOS		F150RMD	L150FMD
TRATOR 295 / 296 / 297 / 299	TODOS		F150RMD	L150FMD
TRATOR 630 / 640 / 650 / 660 / 680 / 970	TODOS		F150RMD	L150FMD
TRATOR 6350 / 6360	TODOS		180FRMD	180LFMD
COLHEITADEIRA MF34/35/3640/3650	TODOS		F150RMD	L150FMD
TRATOR 4780	83 >		F150RMD	L150FMD
TRATOR 295/296/297/299	78 >		F150RMD	L150FMD
TRATOR 5275/5285/5290/3000	TODOS		F100E	L100E
TRATOR 610/620	TODOS		F100E	L100E
TRATOR 630/640/650/660/680/970	TODOS		F150RMD	L150FMD
TRATOR 4200 COMPACTO	TODOS		F100E	L100E
TRATOR 6700R	TODOS		F100E	L100E
TRATOR 6855/9090	TODOS		F100E	L100E
TRATOR 7000	TODOS		F100D	L100D
TRATOR 7100	TODOS		F100D	L100D
TRATOR 8600	TODOS		F100D	L100D
TRATOR 9150/9170 TURBO	89 >		F100E	L100E



TODOS OS MODELOS	TODOS		F50DT	
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AP20/AP23/AP26/AP35	69 >		F150RMD	L150FMD
ESCAVADEIRA C/MOTOR MB	74 >		F150RMD	L150FMD
TC-15B TRATOR COMPACTO, TI-18/25, TC18/23/28, TM 12/14/17/25/31	73 >		F150RMD	L150FMD

TRATORES LINHA AGRÍCOLA E TERRA

Modelo	Ano		Linha	
	De	Até	Free	Convencional

TC20	73 >		F100E	L100E
VAP70 VIBRADOR AU- TO-PROPULSOR	73 >		F150RMD	L150FMD



NEW HOLLAND

COLHEITADEIRA TM-137 (2 BATERIAS)	TODOS		F70RD	70LFD
COLHEITADEIRA CS660 (2 BATERIAS)	TODOS			LF95SD
COLHEITADEIRA TL-62	TODOS		F100E	L100E
MOTONIVELADORA RG140B / 170B / 200B	TODOS		F100E	L100E
PÁ CARREGADEIRA 12D / W130 / W170 / W190	TODOS		F100E	L100E
RETROSCAVADEIRA B90 / B95 / LB110	TODOS		F100E	L100E
TRATOR 4830 / 5030 / 6630 / 7830	TODOS		F100E	L100E
TRATOR ESTEIRA 7D / 130 / 140 / 150 / D170 (2 BATERIAS)/180C	TODOS		F100E	L100E
COLHEITADEIRA TC-57	TODOS		F150RMD	L150FMD
TRATOR 8030 / 8430	TODOS		F150RMD	L150FMD
TRATOR 8630DT / 8830DT	TODOS			LF180SC
COLHEITADEIRA CS660 (2 BATERIAS)	TODOS		R80AD	
COLHEITADEIRA TC PLATAFORMA DE GRÃOS	TODOS		180FRMD	180LFMD
COLHEITADEIRA TL62	TODOS		F100E	L100E
COLHEITADEIRA TM137 (2 BATERIAS)	TODOS		R80AD	
MOTONIVELADORA RG140.B/RG170.B/RG200.B (2 BATERIAS)	TODOS		F100E	L100E
PÁ CARREGADEIRA I2D/W130TC/W170/W190 (2 BATERIAS)	TODOS		F100E	L100E
RETROSCAVADEIRA B90/B95/LB110	TODOS		F100E	L100E
TRATOR 8430/8030	TODOS		F150RMD	L150FMD
TRATOR 8630DT/8830DT	98 >		180FRME	180LFME
TRATOR COLHEITADEIRA TS 104 A 119 CV	TODOS		F150RMD	L150FMD
TRATOR COLHEITADEIRA TS/30S100 104 A 120CV	TODOS		F100E	L100E
TRATOR TL C/CABINE (2 BATERIAS)	TODOS		F70RD	L70FD
TRATOR TL S/CABINE/7630	TODOS		F100E	L100E

TRATORES LINHA AGRÍCOLA E TERRA

Modelo	Ano		Linha	
	De	Até	Free	Convencional

TRATOR TT3840/TT3840 F/TT3880F	TODOS		F100E	L100E
TRATOR TT4030	TODOS		F100E	L100E



RK425C / 430B / 435N / 628C	TODOS		F150RMD	L150FMD
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COLHEITADEIRAS 1000 / 2000 / 2200	TODOS		F150RMD	L150FMD
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COMPACTADOR VIBRATÓRIO CA25M	TODOS		F150RMD	L150FMD
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MOTO-SCRAPERS 621B / 627 / 631 / 637 /	TODOS			LF2250N
MOTO-SCRAPERS TS-14 / TSF24A /	TODOS			LF2250N
PÁ CARREGADEIRA 72-51/52	TODOS			LF2250N



COLHEITADEIRA 1000/2000/2200	TODOS		F150RMD	L150FMD
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COMPACTADOR VIBRATÓRIO CA25-M	TODOS		F150RMD	L150FMD
MOTO-SCRAPER 621B/62-7B/P631D/637-D/PP769B/C	TODOS			LF2050N
MOTO-SCRAPER TS-14	78 >			LF2050N
MOTO-SCRAPER TS-24A/F-24A	78 >			LF2050N
PÁ CARREGADEIRA 72-51/52	74 >			LF2050N



TRATOR 128 / 148 / 780 / 880 / 885 / 985	TODOS		F100E	L100E
TRATOR 685 / 700 / 980 / 1118 / 1280 / 1580 / 1780	TODOS		F100E	L100E
TRATOR BH140 / 160 / 180 / 1580	TODOS		F100E	L100E
TRATOR BM100 / 110 / 120 / BL88	TODOS		F100E	L100E
TRATOR 100 / 700 / 800 / 900	TODOS		F100E	L100E
TRATOR LEVE 685 / 785C / BF65 / 75	TODOS		F100E	L100E
885	89 >		F100E	L100E
985	90 >		F100E	L100E
118-A/118-4A/88A/88S	83/86			LF130TOYY
8450 IMPORTADO/900/685/700	00 >		F100E	L100E

TRATORES LINHA AGRÍCOLA E TERRA				
Modelo	Ano		Linha	
	De	Até	Free	Convencional
88/88PCR	81 >		F100E	L100E
980/1118/1280/ 1580/1780	85 >		F100E	L100E
TRATOR BH140/160/ 180/1580/1780/ BM100/BM110/ BM120/BL88	TODOS		F100E	L100E
TRATOR SÉ- RIE 100/700/800/900/ LINHA LEVE 685C/785C/ BF65/BF75	TODOS		F100E	L100E



COMPACTADOR SD-105DX	TODOS		R80AE	
COMPACTADOR SD105F	TODOS		R80AE	
PÁ-CARREGADEIRA L60 / 70 / 90 / (2 BATERIAS)	TODOS		F100E	L100E
ESCAVADEI- RA EC140 (2 BATERIAS)	TODOS		F100E	L100E
MOTONIVELADORA G710 / 720 / 930 / 940 / 960	TODOS		F100E	L100E
ROLO COMPACTADOR SD105DX / SD105F (2 BATERIAS)	TODOS		F100E	L100E
SKID STEER MC60 / 70 / 80 / 90 / 110	TODOS		F100E	L100E
PÁ-CARREGADEIRA L110 / L120 (2 BATE- RIAS)	TODOS		F150RMD	L150FMD
CAMINHÃO FORA DE ESTRADA A25D / 30D / 35D / 40D (2 BATERIAS)	TODOS		180FRMD	180LFMD
ESCAVADEIRA EC210	TODOS		180FRMD	180LFMD
MOTONIVELADORA	TODOS		180FRMD	180LFMD
ESCAVADEIRA EC240	TODOS			LF225ON
ESCAVADEI- RA EC240 (2 BATERIAS)	11 >			LF225ON
MOTO NIVELADO- RA (2 BATERIAS)	03 >		180FRMD	180LFMD
MOTO NIVELADO- RA G930/G940/ G960 (2 BATERIAS)	01 >		F100E	L100E

WABCO

FORA DE ESTRADA	TODOS			LF225ON
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YANMAR

TRATOR 1030 TC PRO / 1040 /1050 1045 DT / 1055 DT	TODOS		60FBD	60LBD
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Zetor

TRATOR E MOTOR ESTACIONÁRIO	TODOS			LF225ON
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EMPILHADEIRAS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional

EMPILHADEIRAS				
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CLARK

CFY 20 / 30 / 40 / 60	TODOS		60FBE	60LBE
C300 HY 40 / 50 / 60	TODOS			LF95SD
C500 / Y100 / Y135 / Y155	TODOS			LF225ON



DAEWOO

G20SC-2 / G20E-3 / G25E-3 / G30E-3 / G18S-2	TODOS		FR50DHC	
GC18S-2 / GC155-2 / GC20SC-2	TODOS		FR50DHC	
D155-2 / D185-2 / D20SC-2	TODOS		F70RD	70LFD
D205-3 / D20A-3 / D25A-3 / D30A-3 / D335-3	TODOS		F70RD	70LFD
D355-2 / D40SC-2 / D45SC-2 / D50SC-2 / D60S-2 / D70S-2	TODOS		F70RD	70LFD
G20P-3 / GC20P-3 / G25P-3 / G30P-3 / G33P-3	TODOS		F70RD	70LFD
D355-2/D40SC-2/ D45SC-2/D45S-2/ D50SC-2/D60S-2/D70S- 2 (2 BATERIAS/SÉRIE)	TODOS		FR90CDD	LF90CDD
D15S-2/D18S-2/ D20SC-2	05 >		R80AD	
D20S-3/D20A-3/D25A- 3/D30S-3/D30A-3/ D33S-3	05 >		R80AD	70LFD

HYSTER

H135XL2 (GNV)	TODOS		FR50DHC	
H25 / H30 / H35 / H40 / H45 / H50 / H55 / H60 (GNV)	TODOS		FR50DHC	
H70 / H80 / H90 / H100 / H110 / H120	TODOS		60FBD	60LBD
H135XL2 (DIESEL)	TODOS		F70RD	70LFD
H25 / H30 / H35 / H40 / H45 / H50 / H55 / H60 (DIESEL)	TODOS		F70RD	70LFD
H25XM2.0G/2.5D- -H30XM2.0G/2.5D- -H35XM2.0G/2.5D	05 >		FB60AD	
H25XM2.0G/2.5D- -H30XM2.0G/2.5D- -H35XM2.0G/2.5D (DIESEL)	05 >		F70RD	70LFD

EMPILHADEIRAS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional
H40XM2.0G/2.5D- -H45XM-H55XM- -H50XM-H60XM	05 >		F50DT	
H40XM2.0G/2.5D- -H45XM-H55XM- -H50XM-H60XM (DIESEL)	05 >		F70RD	70LFD
H70XM/H80XM/ H90XMS/H100XM/ H110XM/H120XM	05 >		F100E	F100E



HYUNDAI

HDF 15II / HDF 15III / HDF 18II / HDF 18III	TODOS		R80AE	
HDF 20II / HDF 25II / HDF 30II / HDF 35III / HDF45III / HDF 50III / HDF70III	TODOS		F100E	L100E

JUNGHEINRICH

DFG16AS / DFG20AS (GNV)	TODOS		R80AD	
TFG16AS / TFG20AS (GNV)	TODOS		R80AD	
DFG16AS / DFG20AS (DIESEL)	TODOS		F100E	L100E
TFG16AS / TFG20AS (DIESEL)	TODOS		F100E	L100E

KOMATSU

FG20C-12 / FG25C-12 / FG30C-12 / FG30HT-12	TODOS		FR50DHC	
FD70-7	TODOS		60FBD	60LBD
FG40ZT-7 / FG70-7	TODOS		60FBD	60LBD
FD40ZT-7 / FD40T-7 / FD45T-7	TODOS		FR70E	70LFE
FD30T-12	TODOS		F100E	L100E

Linde

H16D / H16T / H20D / H20T / H30D / H30T / H35D / H35T (GNV)	TODOS		R80AD	
H40D / H40T / H45D / H45T / H50D / H50T / H60D / H60T / H70D / H70T (GNV)	TODOS		R80AD	

EMPILHADEIRAS				
Modelo	Ano		Linha	
	De	Até	Free	Convencional
H16D / H16T / H20D / H20T / H30D / H30T / H35D / H35T (DIESEL)	TODOS		F100E	L100E
H40D / H40T / H45D / H45T / H50D / H50T / H60D / H60T / H70D / H70T (DIESEL)	TODOS		F100E	L100E



FG15N / FG18N / FG20N / FG20HD / FG25N	TODOS		FR50DHC	
FG28N / FD28N / FG30N / FD30N	TODOS		F70RD	70LFD



15 / 20 / 25 / 30	TODOS		F70RD	70LFD
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STILL

CL15 / 18 / 20 / 25 / 30	TODOS		FR50DHC	
CL40Z / 40 / 45	TODOS		60FBD	60LBD
CD40Z / 40 / 45	TODOS		F70RD	70LFD



7FG10	TODOS		FR50DHC	
8FG / FD	TODOS		FR50DHC	
7FD10 DE 1 A 3T.	TODOS		F70RD	70LFD



G883P-020 (MOTOR VW)	TODOS		F45RD	
GDP055RL / GP055RL / GDP060TL / GP060TL	TODOS		60FBD	60LBD
GP040RL / GDP040RL / GP050RL / GDP050RL	TODOS		60FBD	60LBD
GP070LJ / GP080LJ / GP090LJ	TODOS		F70RD	70LFD
D51C-030 / D51C-050 / D51-P030 / D51-050 / D83P-060 / D83P-100 (PERKINS)	TODOS		F100E	L100E
GDP070LJ / GDP080LJ / GP090LJ	TODOS		F100E	L100E

Zetor

MOTORES ESTACIONÁRIOS	TODOS		60FBD	60LBD
TRATORES	TODOS		F100E	L100E

INFORMAÇÕES TÉCNICAS									
CARACTERÍSTICAS DIMENSIONAIS (MM)					DADOS TÉCNICOS				
Baterias	Linha	Comp.	Larg.	Alt.	Tensão (V)	C20	RC (min)	CCA (A)	PESO (KG)
LF36D/E	LIFE	205	175	175	12	36	56	200	9,70
FR36D/E	FREE PREMIUM	205	175	175	12	36	56	200	9,70
LF40D/E	LIFE	205	175	175	12	40	60	250	10,70
FR40D/E	FREE PREMIUM	205	175	175	12	40	60	250	10,70
FR40DHF/EHF	FREE PREMIUM	197	130	225	12	40	57	230	10,60
L45FD/E	LIFE	205	175	175	12	45	68	300	11,70
F45RD/E	FREE PREMIUM	205	175	175	12	45	68	300	11,70
50FDT/FET	FREE PREMIUM	205	175	190	12	50	75	350	12,1
FR50DHC/EHC	FREE PREMIUM	238	130	225	12	50	78	300	13
L50D/E	LIFE	255	175	175	12	50	75	350	12,6
F50D/E	FREE PREMIUM	255	175	175	12	50	75	350	12,6
60LBD/E	LIFE	242	175	175	12	60	95	450	13,6
60FBD/E	FREE PREMIUM	242	175	175	12	60	95	450	13,6
FB60AD/AE	FREE PREMIUM	242	175	190	12	60	95	460	13,9
L70FD/E	LIFE	275	175	175	12	70	110	450	16
F70RD/E	FREE PREMIUM	275	175	175	12	70	110	450	16
L80FD/E	LIFE	285	175	175	12	80	135	550	17,6
F80RD/E	FREE PREMIUM	285	175	175	12	80	135	550	17,6
R80AD/AE	FREE PREMIUM	260	173	225	12	80	120	570	19,5
LF90CDD/CEE	LIFE	295	170	235	12	90	160	500	20,6
LF95SD/SE	LIFE	360	175	190	12	95	150	700	22,4
L100FMF	LIFE	330	173	240	12	100	180	570	24,8
F100RMF	LIFE	330	173	240	12	100	180	570	24,8
LF130TOYY	LIFE	425	175	280	12	130	240	670	34,7
LF135MD/ME	LIFE	510	215	230	12	135	265	680	38,1
L150FMD/ME	LIFE	510	215	230	12	150	305	800	40,0
F150RMD/ME	FREE PREMIUM	510	215	230	12	150	305	800	40,0
L170FMD/ME	LIFE	510	215	230	12	170	350	810	42,6
F170RMD/ME	FREE PREMIUM	510	215	230	12	170	350	810	42,6
180LFMD/ME	LIFE	510	215	230	12	180	380	830	43,1
180FRMD/ME	FREE PREMIUM	510	215	230	12	180	380	830	43,1
LF180SC	LIFE	515	220	215	12	180	380	900	43,5
LF205ON/ONE	LIFE	525	275	245	12	205	440	950	53
LF225ON/ONE	LIFE	525	275	245	12	225	480	1000	55,2

INFORMAÇÕES TÉCNICAS

BATERIAS	MODELO CAIXA	MODELO TAMPA	DIMENSIONAIS (MM)		
			Comp.	Larg.	Alt.
EX40D/E	VOLKS	VOLKS	205	175	175
EXF40D/E	VOLKS	VOLKS Free	205	175	175
EXF40DHF	HONDA	HONDA Free PF	197	128	227
EX45D/E	VOLKS	VOLKS	205	175	175
EXF45D/E	VOLKS	VOLKS Free	205	175	175
EXF50DHC/E	HONDA	HONDA Free PF	238	128	227
EXF50DTOY/E	TOY	VOLKS Free	205	175	190
EX55D/E	LB2	LB2	242	175	175
EX60D/E	OPALA	OPALA	255	175	175
EXF60D/E	OPALA	OPALA Free	255	175	175
EXF60AD/AE	55D23	55D23 Free	230	170	225
EX65D/E	PASSAT	PASSAT	275	175	175
EXF65D/E	PASSAT	PASSAT Free	275	175	175
EX70D/E	PASSAT	PASSAT	275	175	175
EXF70D/E	PASSAT	PASSAT Free	275	175	175
EX75D/E	D-20	D-20	285	175	175
EX90D/E	D-20	D-20	285	175	175
EXF90D/E	D-20	D-20 Free	285	175	175
EX95CD/CE	CARGO	CARGO	295	165	235
EX92AD/AE	G24	G24	260	173	220
EX100MB	SPRINTER	SPRINTER	360	175	190
EX110MF	GR31	GR31	330	173	240
EXF110MF	G31	G31 Free	330	173	240
EX120MF	GR31	GR31	330	173	240
EXF120MF	G31	G31 Free	330	173	240
EX140TF	TF	TF	425	175	215
EX145TOY	BRT	BRT	425	175	280
EX150MD/ME	MB	MB	510	215	230
EXF150MD/ME	MB	MB Free	510	215	230
EX170MD/ME	MB	MB	510	215	230
EXF170MD/ME	MB	MB Free	510	215	230
EX180MD/ME	MB	MB	510	215	230
EXF180MD/ME	MB	MB Free	510	215	230
EX200ON	ON	ON	525	275	245
EX220ON	ON	ON	525	275	245
EX240ON	ON	ON	525	275	245



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