

**MÁXIMO
DESEMPENHO
E DURABILIDADE.**

CATÁLOGO DE APLICAÇÃO



AUTOMÓVEIS

MODELO ANO FREE PREMIUM LIFE



ALFA ROMEO

145, 145 1.8 / 2.0	1995 ↑	FB60D	LB60D
155 2.0 / SUPER 2.0	1995 ↑	FB60D	LB60D
156 SW 2.0 / JTS 16V	1995 ↑	F70RD	L70FD
164, 156 2.0 TS 16V	1995 ↑	F70RD	L70FD
166 3.0 V6 24V	1995 ↑	F70RD	L70FD
SPIDER 2.0 / 3.0	1995 ↑	FR80D	LF80D



AUDI

A3 1.8 / TURBO – VR / TT / S3	1999 ↑	FB60AD	
A4 2.4 / 2.8 / TURBO / AVANT 2.0 / 2.6 / 2.8	1995 ↑	F70RD	L70FD
A6 / ALL ROAD 2.7 V6	1998 ↑	FB60D	LB60D
A8 / S8 AVANT PLUS V8 4.2L	1996 ↑		LF90SD
S2 / S4 / S6	1996 ↑	FB60D	LB60D



BMW

323 I COMPACT / 325 Ci COUPE	1999 ↑	F70RD	L70FD
528 IA, 740 IA, 750 IA	1996 ↑		LF90SD
Z3	1997 ↑	F70RD	L70FD
Z4	2003 ↑	FB60D	LB60D
Z8	2000 ↑		LF90SD



CHEVROLET - GM

AGILE	2010 ↑	F45RD	L45FD
CAPTIVA	2009 ↑	F70RD	L70FD
CELTA	2000 ↑	F45RD	L45FD
CLASSIC	2010 ↑	FB60D	LB60D
COBALT	2012 ↑	F50DT	
CRUZE	2012 ↑	FB60D	LB60D
MALIBU	2010 ↑	FB60D	LB60D
MERIVA	2003 ↑	FB60D	LB60D
MONTANA	2003 ↑	FB60D	LB60D
OMEGA CD 3.0	1998 ↑	FR80D	LF80D
ONIX	2013 ↑	F50DT	
PICK-UP CORSA	1995 ↑	FB60D	LB60D
PRISMA	2007 ↑	FB60D	LB60D
S10 4.3, 16V, BLAZER	2000 ↓	FB60E	LB60E
S10 4.3, 16V, BLAZER	2001 ↑	FB60D	LB60D
SPIN	2013 ↑	FB60D	LB60D
SILVERADO	1997 ↑	FR80D	LF80D
SONIC	2012 ↑	FB60D	LB60D
TIGRA	1998 ↑	FB60D	LB60D
TRACKER	2000 ↑	-	LF90CD
VECTRA	2001 ↓	FB60D	LB60D
VECTRA	2002 ↑	F70RD	L70FD
ZAFIRA	2001 ↑	FB60D	LB60D

MODELO ANO FREE PREMIUM LIFE



CHRYSLER / DODGE

300 C	2005 ↑	FB60D	LB60D
CHEROKEE LIMITED / LAREDO I	1999 ↓	F70RE	L70FE
CHEROKEE LIMITED / LAREDO II	2000 ↑	F70RD	L70FD
GRAN CARAVAN / VISION	1999 ↓	F70RE	L70FE
GRAN CARAVAN / VISION	2000 ↑	F70RD	L70FD
JEEP	1996 ↓	F70RD	L70FD
JEEP WRANGLER	1997 ↑	F70RE	L70FE
PT CRUISER	2005 ↑	FB60D	LB60D
STRATUS LE 2.0	1996 ↑	FB60E	LB60E



CITROËN

AIR CROSS	2010 ↑	FB60D	LB60D
BERLINGO	1999 ↑	FB60D	LB60D
C3	2003 ↑	F50DT	
C4	2005 ↑	FB60D	LB60D
C4 GRAN PICASSO / PALLAS	2008 ↑	F70RD	L70FD
EVASION VSX	1995 ↑	F70RD	L70FD
JUMPER	2010 ↑	F70RD	L70FD
XM EXCLUSIVE / BREAK	2002 ↑	FB60D	LB60D
XSARA	1998 ↑	FB60D	LB60D



DAEWOO

LANOS 1.6 16V	1997 ↑	FB60E	LB60E
LEGANZA CDX 2.0 16V	1997 ↑	FB60D	LB60D
NIBIRA 2000i / CDX 16V	1997 ↑	FB60D	LB60D



DAIHATSU

CUORE	1995 ↑	FR50DHC	
GRAN MOVE 1.5L 16V	1996 ↑	FR50DHC	



FIAT

500	2010 ↑	F50DT	
BRAVO	1998 ↑	FB60AD	
DOBLO	2007 ↑	F50DT	
DUCATO	2000 ↑	-	LF90SD
FREEMONT	2012 ↑	FB60D	LB60D
FIORINO	2000 ↑	FB60D	LB60D
GRAND SIENA	2013 ↑	FB60AD	
IDEA	2006 ↑	F50DT	
LINEA	2009 ↑	F50DT	
MAREA	2000 ↑	FB60D	LB60D
MOBI	2016 ↑	FB60D	LB60D

AUTOMÓVEIS

MODELO ANO FREE PREMIUM LIFE

NOVO UNO	2012 ↑	FB60D	LB60D
PALIO 1.0	1996 ↑	F50DT	
PALIO / PALIO ADVENTURE	2002 ↑	FB60D	LB60D
PUNTO	2008 ↑	F50DT	
SIENA	2000 ↑	F50DT	
STILO	2003 ↑	FB60AD	
STRADA	1999 ↑	FB60D	LB60D
TORO	2016 ↑	F70RD	L70FD
WEEKEND	2002 ↑	FB60D	LB60D



FORD

COURIER	1997 ↑	F45RD	L45FD
ECOSPORT 1.0, 1.6	2003 ↑	F45RD	L45FD
ECOSPORT 2.0, AUT. 4X4	2003 ↑	FB60D	LB60D
EDGE	2009 ↑	FB60D	LB60D
FIESTA	1996 ↑	F45RD	L45D
FOCUS HATCH / SEDAN	2003 ↓	FB60D	LB60D
FOCUS HATCH / SEDAN	2004 ↑	F70RD	L70FD
FUSION	2006 ↑	FB60D	LB60D
KA	1997 ↑	F45RD	L45FD
MONDEO	1995 ↑	F70RD	L70FD
MUSTANG	1995 ↑	FB60D	LB60D
NEW FIESTA	2010 ↑	F50DT	
NOVO KA	2014 ↑	F45RD	L45FD
NOVO KA SEDAN	2014 ↑	F45RD	L45FD
RANGER NACIONAL	1998 ↑	FR80D	LF80D
TAURUS	1997 ↓	F70RE	L70FE
TAURUS	1998 ↑	F70RD	L70FD



HONDA

ACCORD EX, SW, LX, SEDAN	1997 ↓	F70RD	L70FD
ACCORD EX, SW, LX, SEDAN	1998 ↑	F70RE	L70FE
CITY	2009 ↑	FR40DHF	
CIVIC	2005 ↓	FR50EHC	
CIVIC	2006 ↑	FR50DHC	
CRV	2000 ↑	FR50DHC	
FIT	2015 ↑	FR50DHC	
FIT	2014 ↓	FR40DHF	



HYUNDAI

ACCENT	1995 ↑	FB60D	LB60D
ATOS	2000 ↑	FR40DHF	
AZERA 3.3	2007 ↑	FR80AD	
GALLOPER	1998 ↑	FR80AE	
HB20	2012 ↑	F50DT	
I30	2010 ↑	F50DT	

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IX35	2012 ↑	FR80AD	
INFINITY	2008 ↑		LF90CD
SANTA FE	2000 ↑	FR80AD	
TUCSON	2005 ↑	FR80AD	
VELOSTER	2011 ↑	FR80AD	
VERA CRUZ	2007 ↑	FR80AE	



JAGUAR

S-TYPE / X-TYPE	2001 ↑		LF90SD
XF / XFR / XJ / XJR / XJS / X8 / XKR	2009 ↑		LF90SD



JEEP

CHEROKEE / GRAND CHEROKEE	2003 ↑	FR80D	LF80D
CHEROKEE	2002 ↓		LF80E
RENEGADE	2015 ↑		LF80D



KIA MOTORS

CARENS	1999 ↑		LF90CD
CARNIVAL	1999 ↑	FR80AE	
CERATO	2006 ↑	FR80AD	
CLARUS	1997 ↑	FB60E	LB60E
MAGENTIS	2006 ↑	FB60D	LB60D
MOHAVE	2008 ↑	FB60D	LB60D
PICANTO	2005 ↑	FR40DHF	
SHUMA	1998 ↑	FB60D	LB60D
SORENTO	2003 ↑		LF90CE
SOUL	2009 ↑	FB60D	LB60D



LAND ROVER

DEFENDER	1995 ↑		LF90CE
DISCOVERY	1995 ↑		LF90CE
FREELANDER	1999 ↑	FR80D	LF80D
RANGER ROVER	1996 ↑	F100RMF	L100FMF





MAZDA


626	2000 ↓	FB60AD	
929	1995 ↓	FR80D	LF80D
MPV	2000 ↓	FB60AD	
MX-3	1998 ↓	FB60AD	
MX-5	1995 ↓	FB60AD	
PROTEGE	2000 ↓	FB60AD	

AUTOMÓVEIS

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 MERCEDES BENZ			
180-D	1996 ↓	FB60D	LB60D
C-180	2009 ↑		LF90SD
C-230	1996 ↑		LF90SD
C-240	2003 ↓		LF90SD
C-250	2009 ↑		LF90SD
C-300	2009 ↑		LF90SD
C-320	2001 ↑		LF90SD
C-350	2008 ↑		LF90SD
CL-500	1997 ↑		LF90SD
CL-600	1997 ↑		LF90SD
CLASSE-A 160	1999 ↑	FB60D	LB60D
CLASSE-A 190	2001 ↑	FB60D	LB60D
CLASSE-A 200	2006 ↑	FB60D	LB60D
CLASSE-B 170	2009 ↑	FB60D	LB60D
CLASSE-B 180	2009 ↑	FB60D	LB60D
CLK-230	2002 ↑	FB60D	LB60D
CLK-320	1998 ↓	FB60D	LB60D
E-200	1995 ↓	FB60D	LB60D
E-220	1995 ↓	FB60D	LB60D
E-230	1998 ↓	FB60D	LB60D
E-240	2001 ↓	FB60D	LB60D
E-280	1995 ↓	FB60D	LB60D
E-350	2005 ↑	FB60D	LB60D
E-420	1998 ↓	FB60D	LB60D
E-430	2002 ↓	FB60D	LB60D
E-500	2003 ↑	FB60D	LB60D
ML-230	1999 ↓	FB60D	LB60D
ML-320	1998 ↑	FB60D	LB60D
ML-430	2001 ↓	FB60D	LB60D
SL-280	1995 ↓	FB60D	LB60D
SL-320	1999 ↓	FB60D	LB60D
SL-600	2000 ↓	FB60D	LB60D
SLK- 230	1998 ↑	FB60D	LB60D
SLK-200	2005 ↑	FB60D	LB60D
SLK-230	2004 ↓	FB60D	LB60D
SLK-320	2001 ↑	FB60D	LB60D
SLK-350	2005 ↑	FB60D	LB60D
SPRINTER	1997 ↑		LF90SD

 MINI			
COOPER	2009 ↑	F70RD	L70FD

 MITSUBISHI MOTORS			
AIR TREK	2003 ↑	FB60AD	
ASX	2005 ↑	FB60AD	
ASX	2014 ↑	FR80AD	
ECLIPSE	2000 ↑	FB60D	LB60D
GALANT	1997 ↑	FR50EHC	
L200	2008 ↑		LF90CD
L200 OUTDOOR	2000 ↑	F70RE	L70FE
L200 TRITON	2000 ↑	F70RE	L70FE
LANCER	2002 ↑	FB60E	LB60E
LANCER EVOLUTION	2012 ↑	FR80AD	

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OUTLANDER	2008 ↑	FR80AD	
PAJERO FULL	2001 ↑	FR80AD	
PAJERO SPORT	2004 ↑	FR80AE	
PAJERO TR4	2001 ↑	FB60D	LB60D


 NISSAN			
350Z	2004 ↑	FR80D	LF80D
FRONTIER	2000 ↑	FB60AE	
FRONTIER	2006 ↑	FB60AD	
FRONTIER	2013 ↑	F70RD	L70FD
LIVINA	2008 ↑	F50DT	
MARCH	2012 ↑	F45RD	L45FD
MAXIMA	1998 ↓	FR80AD	
PATHFINDER	2009 ↑	FB60D	LB60D
PRIMAVERA	2007 ↑	FR80AD	
QUEST	1996 ↓	FR80AD	
TERRANO	1997 ↓	FR80AE	
TIIDA	2008 ↑	F50DT	
VERSA	2013 ↑	F50DT	
X-TERRA	2003 ↑	FB60D	LB60D
X-TRAIL	2005 ↑	FR80AD	


 PEUGEOT			
106	2001 ↓	F48RD	L48FD
205	2002 ↓	F48RD	L48FD
306	2001 ↓	F50DT	
307	2001 ↑	FB60AD	
308	2012 ↑	FB60AD	
405	1999 ↓	FB60D	LB60D
407	2004 ↑	F70RD	L70FD
408	2010 ↑	FB60AD	
504	1999 ↓	F70RD	L70FD
605	2001 ↓	F70RD	L70FD
806	2001 ↓	F70RD	L70FD
206 1.0	1999 ↑	F50DT	
206 1.4 / 1.6	2006 ↑	FB60D	LB60D
207 c/el.	2008 ↑	FB60D	LB60D
207 s/el.	2008 ↑	F50DT	
208 c/el.	2009 ↑	FB60D	LB60D
208 s/el.	2009 ↑	F50DT	
209 c/el.	2010 ↑	FB60D	LB60D
209 s/el.	2010 ↑	F50DT	
210 c/el.	2011 ↑	FB60D	LB60D
210 s/el.	2011 ↑	F50DT	
406 2.0	1998 ↑	FB60D	LB60D
406 3.0	1998 ↑	F70RD	L70FD
3008	2011 ↑	F70RD	L70FD
BOXER	1999 ↑		LF90CD
HOGGAR	2010 ↑	F50DT	
PARTNER	1999 ↑	FB60D	LB60D

AUTOMÓVEIS


MODELO ANO FREE PREMIUM LIFE

 RENAULT			
CAPTUR	2017 ↑	FB60AD	
CLIO	1996 ↑	FB60D	LB60D
DUSTER	2013 ↑	FB60D	
EXPRESS	1997 ↑	FB60D	LB60D
FLUENCE	2011 ↑	FB60AD	
KANGOO	1999 ↑	F45RD	L45FD
LOGAN	2007 ↑	FB60D	LB60D
MASTER	2004 ↑		LF90SD
MEGANE	1997 ↑	FB60D	LB60D
MEGANE aut.	2006 ↑	F70RD	L70FD
OROCH	2015 ↑	FB60AD	
SANDERO c/el.	2007 ↑	FB60D	LB60D
SANDERO s/el.	2007 ↑	F50DT	
SCENIC	1999 ↑	FB60D	LB60D
SYMBOL 1.0	2008 ↑	F50DT	
SYMBOL 1.6	2008 ↑	FB60D	LB60D
TRAFIC	1997 ↑	FB60D	LB60D

 SEAT			
CORDOBA	2002 ↓	FB60D	LB60D
IBIZA	2002 ↓	FB60D	LB60D
INCA	2002 ↓	FB60D	LB60D


 SUBARU			
FORESTER	2011 ↓	FB60D	LB60D
IMPENZA	2011 ↓	FB60D	LB60D
LEGACY	2011 ↓	FB60D	LB60D
SVX	1998 ↓	FB60E	LB60E
VIVIO	1998 ↓	FR40DHF	

 SUZUKI			
BALENO	1995 ↓	FR50DHC	
BALENO	2000 ↓	FR50EHC	
GRAN VITARA	2003 ↓		LF90CE
JIMNY	2011 ↓	FR50EHC	
SAMURAI	1999 ↓	FR50EHC	
SIDERKICK	1996 ↓	FR50EHC	
SWIFT	1999 ↓	FR50EHC	
SX4	2007 ↑		LF90CE
VITARA	1999 ↓	FR50EHC	

 TOYOTA			
BANDEIRANTES	2001 ↓		LF130TOY
BANDEIRANTES	2001 ↑		LF90CD
COROLLA	2001 ↓	FR50DHC	

MODELO ANO FREE PREMIUM LIFE

COROLLA	2001 ↑	F50DT	
COROLLA	1997 ↑	F70RD	L70FD
ETIOS	2012 ↑	F50DT	
ETIOS SEDAN	2012 ↑	F50DT	
ETIOS CROSS	2012 ↑	F50DT	
FIELDER	2004 ↑	F50DT	
HILUX	2011 ↓	FR90CD	LF90CD
HILUX	2001 ↓	FR90CE	LF90CE
LAND CRUISER PRADO	2009 ↓	FR90CD	LF90CD
PRIUS	2012 ↑	F50DT	
RAV4	2011 ↓	FR50DHC	
SW4	2004 ↑	FR90CD	LF90CD


 TROLLER			
PANTANAL	2007 ↓	FR80D	LF80D
RF SPORT	2001 ↓	F70RD	L70FD
T4 3.0	2005 ↓	FR80D	LF80D
T4 M	2005 ↓	F70RD	L70FD

 VOLKSWAGEN			
AMAROK	2010 ↑		LF90SD
BORA	1999 ↑	FB60D	LB60D
CROSSFOX	2005 ↑	F50DT	
EUROVAN CARAVELLE	2000 ↓	F70RD	L70FD
FOX	2004 ↑	F50DT	
FUSCA 1.6	1996 ↓	F45RD	L45FD
GOL / SAVEIRO / PARATI	1998 ↓	FB60AD	
GOL / SAVEIRO / PARATI	1999 ↑	FB60D	LB60D
GOLF	2000 ↑	FB60D	LB60D
GOLF	1999 ↓	F70RD	L70FD
JETTA	2000 ↑	FB60AD	
JETTA	2009 ↑	F70RD	L70FD
JETTA	2016 ↑	FB60AD	
KOMBI/ PICK-UP	2000 ↑	F48RD	L48FD
NEW BEETLE	1999 ↑	FB60D	LB60D
NEW FUSCA	2015 ↑	F70RD	L70FD
PASSAT	2000 ↑	F70RD	L70FD
POLO	2003 ↑	FB60D	LB60D
SANTANA / QUANTUM	2000 ↑	F70RD	L70FD
SANTANA / QUANTUM	1999 ↓	F70RE	L70FE
SPACE CROSS	2011 ↑	FB60AD	
SPACE FOX	2006 ↑	FB60AD	
TIGUAN	2008 ↑	FB60D	LB60D
UPI	2014 ↑	F50DT	
VOYAGE	2000 ↑	FB60D	
VOYAGE	2012 ↑	FB60AD	
VOYAGE	2016 ↑	F50DT	


AUTOMÓVEIS

CAMINHÕES

MODELO	ANO	FREE PREMIUM	LIFE
 VOLVO			
C30	2008 ↑	F70RD	L70FD
C70	2000 ↑	F70RD	L70FD
S40	2000 ↑	F70RD	L70FD
S60	2001 ↑	F70RD	L70FD
S70	2000 ↑	FB60AD	
S80	2000 ↑	F70RD	L70FD
V40	2000 ↑	FB60AD	
V60	2013 ↑		LF90CD
V60	2014 ↑	F70RD	L70FD
V70	2004 ↑	FB60AD	
XC60	2009 ↑	F70RD	L70FD
XC90	2010 ↑		LF90SD


MODELO	ANO	FREE PREMIUM	LIFE
 MERCEDES BENZ			
POWERSTAR 450	2001 ↑	F170RMD	L170FMD
STRALIS HD 450 / 490 / 570 / 740	2005 ↑	F170RMD	L170FMD
TECTOR 170 / 240 / 260	2009 ↑	F170RMD	L170FMD
TRAKKER 380 T38 / T42 / TRAKKER 720 T42	2008 ↑	F170RMD	L170FMD
VERTIS 90 V16 / 130 V16	2011 ↑	F100RMF	L100FMF


MODELO	ANO	FREE PREMIUM	LIFE
 SCANIA			
709 / 710 / 712 / 715c / 912-9 / 914c / 915c	1998 ↓	F100RMF	L100FMF
SERIES 12 / 13 / 14 / 17	1999 ↓	F100RMF	L100FMF
SERIES 19 / 20 / 26	1999 ↑	F170RMD	L170FMD
SERIES 24 / 27	1999 ↓	F100RMF	L100FMF
1418 mecânico / 1420 mecânico	2002 ↑	F170RMD	L170FMD
ATEGO - SERIES 13 / 14 / 15 / 17 / 24	2004 ↑	F100RMF	L100FMF
AXOR – SERIES 19 / 20 / 25 / 26 / 28 / 33 / 41	2005 ↑	F170RMD	L170FMD
SERIES L-14 / L-15	1996 ↓	F170RMD	L170FMD
SERIES L-16	1996 ↑	F170RMD	L170FMD
LK-1618 / 1620 / 2635 / 2638	1995 ↑	F170RMD	L170FMD
LPO-0362	2012 ↑	F170RMD	L170FMD


MODELO	ANO	FREE PREMIUM	LIFE
 AGRALE			
6000	2000 ↑	F100RMF	L100FMF
8000	2004 ↑	F170RMD	L170FMD
8500	1997 ↑	F100RMF	L100FMF
VOLARE	2000 ↑	F100RMF	L100FMF

CAMINHÕES

MODELO	ANO	FREE PREMIUM	LIFE
 CHEVROLET - GMC			
12-170 / 14-190 / 15-190 / 16-220	1996 ↑	F100RMF	L100FMF
5-90 / 6-100 / 6-150 / 7-110	1998 ↑	F70RE	L70FE

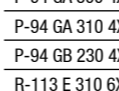
MODELO	ANO	FREE PREMIUM	LIFE
 FORD			
CARGO – SERIES 17 / 18 / 19 / 22	2003 ↑	F170RMD	L170FMD
CARGO – SERIES 26 / 28 / 29 / 31 / 32	2006 ↑	F170RMD	L170FMD
CARGO 712 / 814 / 815	2007 ↑	F100RMF	L100FMF
F-4000	2005 ↑		LF80E

MODELO	ANO	FREE PREMIUM	LIFE
 HYUNDAI			
H1 / H100 / HR	1999 ↑	FR90CE	LF90CE

MODELO	ANO	FREE PREMIUM	LIFE
 IVECO			
DAILY	2000 ↑		LF90SD
EUROCARGO 120 / 150 / 160 / 170 / 230 / 260	1999 ↑	F100RMF	L100FMF
EUROCARGO 450 CAVALLINO	2007 ↑	F100RMF	L100FMF
EUROTECH MP 450	1998 ↑	F170RMD	L170FMD
EUROTECH TZ 740	2002 ↑	F170RMD	L170FMD
EUROTRAKKER 380 / 450 / 720	2004 ↑	F170RMD	L170FMD

Onde constam L170FMD/E e F170RMD/E poderão ser utilizados os modelos L150FMD/E, F150RMD/E, L180FMD/E e F180RMD/E

CAMINHÕES

MODELO	ANO	FREE PREMIUM	LIFE
 AGRALE			
P-340 A 6X2	2009 ↑	F170RME	L170FME
P-340 B 6X4	2011 ↑	F170RME	L170FME
P-420 A 6X4	2008 ↑	F170RME	L170FME
P-420 B 6X4	2008 ↑	F170RME	L170FME
P-420 B 8X4	2008 ↑	F170RME	L170FME
P-93 H 250 4X2	1999 ↓	F170RME	L170FME
P-94 CB 260 6X4 NZ	1998 ↑	F170RME	L170FME
P-94 CB 270 6X4 NZ	2005 ↑	F170RME	L170FME
P-94 CB 310 6X4 NZ	2005 ↑	F170RME	L170FME
P-94 DB 220 4X2 NZ	2001 ↑	F170RME	L170FME
P-94 DB 230 4X2 NZ	2005 ↑	F170RME	L170FME
P-94 DB 260 4X2 NZ	1998 ↑	F170RME	L170FME
P-94 DB 260 6X2 NA	1998 ↑	F170RME	L170FME
P-94 DB 270 4X2 NZ	2005 ↑	F170RME	L170FME
P-94 DB 270 6X2 NA	2005 ↑	F170RME	L170FME
P-94 GA 260 4X2 NZ	1998 ↑	F170RME	L170FME
P-94 GA 270 4X2 NZ	2006 ↑	F170RME	L170FME
P-94 GA 300 4X2 NZ	2003 ↑	F170RME	L170FME
P-94 GA 310 4X2 NZ	2004 ↑	F170RME	L170FME
P-94 GB 230 4X2 NZ	2005 ↑	F170RME	L170FME
R-113 E 310 6X4	1998 ↓	F170RMD	L170FMD
R-113 E 320 6X4	1998 ↓	F170RMD	L170FMD
R-113 E 360 6X4	1998 ↓	F170RMD	L170FMD
R-113 H 320 4X2	1998 ↓	F170RMD	L170FMD
R-113 H 360 4X2	1998 ↓	F170RMD	L170FMD
R-113 H 360 4X2 TOP-LINE	1998 ↓	F170RMD	L170FMD
R-114 GA 320 4X2 NZ	1999 ↓	F170RME	L170FME
R-114 GA 330 4X2 NZ	1999 ↑	F170RME	L170FME
R-114 GA 360 4X2 NZ	1999 ↓	F170RME	L170FME
R-114 GA 380 4X2 NZ	2005 ↑	F170RME	L170FME
R-114 GA 380 6X2 NZ/4X2	2005 ↑	F170RME	L170FME
R-114 GB 320 4X2 NZ	1999 ↓	F170RME	L170FME
R-114 GB 330 4X2	2000 ↑	F170RME	L170FME
R-114 GB 360 4X2 NZ	1999 ↑	F170RME	L170FME
R-114 LA 380 4X2 NA	2007 ↑	F170RME	L170FME
R-114 LA 380 6X2 NA	2005 ↑	F170RME	L170FME
R-124 GA 360 4X2 NZ	1997 ↑	F170RME	L170FME
R-124 GA 360 6X2 NZ	2006 ↑	F170RME	L170FME
R-124 GA 360 6X4 NZ	1997 ↑	F170RME	L170FME
R-124 GA 400 4X2 NZ	2001 ↑	F170RME	L170FME
R-124 GA 400 6X4 NZ	2002 ↑	F170RME	L170FME
R-124 GA 420 4X2 NZ	1997 ↑	F170RME	L170FME
R-124 GA 420 6X2 NZ/4X2 3 - EIXOS	2002 ↑	F170RME	L170FME
R-124 GA 420 6X4 NZ	1997 ↑	F170RME	L170FME
R-124 GA 470 6X2 NZ	2007 ↑	F170RME	L170FME
R-124 GB 360 4X2 NZ	1997 ↑	F170RME	L170FME
R-124 GB 360 6X4 NZ	2003 ↑	F170RME	L170FME
R-124 GB 400 4X2 NZ	2001 ↑	F170RME	L170FME
R-124 GB 420 4X2 NZ	1997 ↑	F170RME	L170FME
R-124 LA 360 4X2 NA	1997 ↑	F170RME	L170FME
R-124 LA 360 6X2 NA	1997 ↑	F170RME	L170FME
R-124 LA 400 4X2 NA	2001 ↑	F170RME	L170FME
R-124 LA 400 6X2 NA	2001 ↑	F170RME	L170FME
R-124 LA 420 4X2 NA	1997 ↑	F170RME	L170FME
R-124 LA 420 6X2 NA	1997 ↑	F170RME	L170FME
R-124 LA 420 6X4 NA	2004 ↑	F170RME	L170FME
R-143 E 450 6X4	1996 ↓	F170RMD	L170FMD

Onde constam L170FMD/E e F170RMD/E poderão ser utilizados os modelos L150FMD/E, F150RMD/E, L180FMD/E e F180RMD/E

MODELO	ANO	FREE PREMIUM	LIFE
 AGRALE			
R-143 H 450 4X2	1996 ↓	F170RMD	L170FMD
R-164 CA 480 8X4 NZ	2002 ↑	F170RMD	L170FMD
R-164 GA 480 4X2 NZ	2002 ↑	F170RMD	L170FMD
R-164 GA 480 6X4 NZ	2002 ↑	F170RMD	L170FMD
R-164 LA 480 6X2 NA	2005 ↑	F170RMD	L170FMD
R-380 A 4X2	2010 ↑	F170RME	L170FME
R-380 A 6X2	2010 ↑	F170RME	L170FME
R-420 A 4X2	2010 ↑	F170RME	L170FME
R-420 A 4X2 3 - EIXOS/A 6X2	2010 ↑	F170RME	L170FME
R-420 A 4X2 HIGHLINE	2010 ↑	F170RME	L170FME
R-420 A 4X2 HIGHLINE 3 - EIXOS/A 6X2	2008 ↑	F170RME	L170FME
R-420 A 6X4	2010 ↑	F170RME	L170FME
R-420 A 6X4 HIGHLINE	2008 ↑	F170RME	L170FME
R-420 LA 4X2 HZ HIGHLINE 3 - EIXOS	2008 ↑	F170RME	L170FME
R-420 LA 6X2 NA HIGHLINE	2008 ↑	F170RME	L170FME
R-420 LA 6X4 HZ HIGHLINE	2008 ↑	F170RME	L170FME
R-420 LA 6X4 NA HIGHLINE	2008 ↑	F170RME	L170FME
R-440 A 4X2	2010 ↑	F170RME	L170FME
R-440 A 4X2 3 - EIXOS/ A 6X2	2010 ↑	F170RME	L170FME
R-440 A 4X2 HIGHLINE 3 - EIXOS/ A 6X2	2008 ↑	F170RME	L170FME
R-440 A 6X4	2010 ↑	F170RME	L170FME
R-440 A 6X4 HIGHLINE	2008 ↑	F170RME	L170FME
R-440 LA 4X2 HZ HIGHLINE 3-EIXOS	2008 ↑	F170RME	L170FME
R-470 A 4X2	2010 ↑	F170RME	L170FME
R-470 A 4X2 3-EIXOS/ A 6X2	2010 ↑	F170RME	L170FME
R-470 A 4X2 HIGHLINE	2010 ↑	F170RME	L170FME
R-470 A 4X2 HIGHLINE 3-EIXOS/ A 6X2	2008 ↑	F170RME	L170FME
R-470 A 6X4	2010 ↑	F170RME	L170FME
R-470 A 6X4 HIGHLINE	2008 ↑	F170RME	L170FME
R-470 LA 4X2 HZ HIGHLINE 3-EIXOS	2008 ↑	F170RME	L170FME
R-470 LA 6X2 NA HIGHLINE	2008 ↑	F170RME	L170FME
R-470 LA 6X4 HZ HIGHLINE	2008 ↑	F170RME	L170FME
R-470 LA 6X4 NA HIGHLINE	2008 ↑	F170RME	L170FME
R-500 A 4X2 3-EIXOS/ A 6X2	2010 ↑	F170RME	L170FME
R-500 A 6X2 HIGHLINE	2008 ↑	F170RME	L170FME
R-500 A 6X4	2010 ↑	F170RME	L170FME
R-500 A 6X4 HIGHLINE	2008 ↑	F170RME	L170FME
R-500 LA 6X4 HZ HIGHLINE	2008 ↑	F170RME	L170FME
R-500 LA 6X4 NA HIGHLINE	2008 ↑	F170RME	L170FME
R-580 A 4X2 3-EIXOS/ A 6X2	2011 ↑	F170RME	L170FME
R-580 A 6X4	2011 ↑	F170RME	L170FME
T-113 E 310 6X4	1998 ↓	F170RMD	L170FMD
T-113 E 320 6X4	1998 ↓	F170RMD	L170FMD
T-113 E 360 6X4	1998 ↓	F170RMD	L170FMD
T-113 H 320 4X2	1998 ↓	F170RMD	L170FMD
T-113 H 320 4X2 TOP-LINE	1998 ↓	F170RMD	L170FMD
T-113 H 320 6X2	1998 ↓	F170RMD	L170FMD
T-113 H 360 4X2	1998 ↓	F170RMD	L170FMD
T-113 H 360 4X2 TOP-LINE	1998 ↓	F170RMD	L170FMD
T-113 H 360 4X2 TOP-LINE 3-EIXOS	1998 ↓	F170RMD	L170FMD
T-113 H 360 6X2	1998 ↓	F170RMD	L170FMD
T-114 GA 320 4X2 NZ	2000 ↓	F170RME	L170FME

CAMINHÕES

MODELO ANO FREE PREMIUM LIFE

VM 260 6X4	2006 ↑	F100RMF	L100FMF
VM 310 4X2	2006 ↑	F100RMF	L100FMF
VM 310 6X4	2006 ↑	F100RMF	L100FMF
VM-17 210 4X2/VM 210	2003 ↑	F100RMF	L100FMF
VM-17 240 4X2	2004 ↑	F100RMF	L100FMF
VM-23 210/VM 210 6X2	2004 ↑	F100RMF	L100FMF
VM-23 240 6X2	2004 ↑	F100RMF	L100FMF

TRATORES



AGRALE

4100	2002 ↑	F45RD	L45FD
4120	2002 ↑	F45RD	L45FD
4240	2002 ↑	FB60D	LB60D



DAEWOO

D15 S-2 / D18 S 2 /	2005 ↑	FB60D	LB60D
D20 A3 / D20 S3 / D20 SC2 / D25 A3	2005 ↑	FR80AD	
D30 A3 / D30 S3 / D33 S3 / D35 S2	2005 ↑	FR80AD	
D40SC-2 / D45 S2 / D45 SC2 /	2005 ↑	FR80AD	
D50SC-2 / D60 S2 / D70 S2	2005 ↑	FR80AD	
G18 S2 / G20 E3 / G20 P3 / G20 SC2 / G25 E3 / G25 P3 / G30 E3	2005 ↑	FR50DHC	
G30 P3 / G33 P3 / G35 S2 / G40 SC2 / G45 S2 / G45 SC2 / G50 S2 / G50SC2	2005 ↑	FR80AD	
GC15 S2 / GC18 S2	2005 ↑	FR50DHC	
GC20P-3 / GC30 P3	2005 ↑	FR80AD	
GC20 SC2 / GC25 E3 / GC30 E3 /	2005 ↑	FR50DHC	



HYUNDAI

HDF 15II / HDF 15III / HDF 18II / HDF 18III	2005 ↑	FR80AE	
HDF 20II / HDF 25II / HDF 30II / HDF 35III / HDF45III / HDF 50III / HDF70III	2005 ↑	F100RMF	L100FMF



KOMATSU

ESCAVADEIRA PC200	1999 ↑	F100RMF	L100FMF
FD30T-12	2005 ↑	F100RMF	L100FMF
FD 40T-7 / FD 40ZT-7 / FD 45T -7	2005 ↑	FR80AD	
FD70-7	2005 ↑	FB60D	LB60D
FG 20C-12 / FG 25C-12 / FG 30C-12 / FG 30 HF-12 / FG 40ZT-7 / FG 70-7	2005 ↑	FR50DTOY	
TRATOR ESTEIRA D41A	1995 ↑	FB60E	LB60E
TRATOR ESTEIRA D45E	1995 ↑	F100RMF	L100FMF

Onde constam L170FMD/E e F170RMD/E poderão ser utilizados os modelos L150FMD/E, F150RMD/E, L180FMD/E e F180RMD/E

TRATORES

MODELO ANO FREE PREMIUM LIFE



MITSUBISHI

FG15N	2005 ↑	FR50DHC	
FG18N	2005 ↑	FR50DHC	
FG20CN	2005 ↑	FR50DHC	
FG20N-HO	2005 ↑	FR50DHC	
FG25N-HO	2005 ↑	FR50DHC	



NEW ROLAND

TRATOR 8630DT	1998 ↑	F170RMD	L170FMD
TRATOR 8830DT	1998 ↑	F170RMD	L170FMD



TOYOTA

7FG10	2012 ↓	FR50DHC	
FD10 DE 1 A 3T.	2005 ↑	FR50DHC	



VOLVO

COMPACTADOR SD105DX	2003 ↑	FR80AE	
COMPACTADOR SD105F	2003 ↑	FR80AE	
ESCAVADEIRA EC140	2011 ↑	F100RMF	L100FMF
ESCAVADEIRA EC210	2011 ↑	F170RMD	L170FMD
ESCAVADEIRA EC240	2011 ↑		LF2050N
MOTONIVELADORA	2003 ↑	F170RMD	L170FMD
MOTONIVELADORA G710	2001 ↑	F100RMF	L100FMF
MOTONIVELADORA G720	2001 ↑	F100RMF	L100FMF
MOTONIVELADORA G930	2001 ↑	F100RMF	L100FMF
MOTONIVELADORA G940	2001 ↑	F100RMF	L100FMF
MOTONIVELADORA G960	2001 ↑	F100RMF	L100FMF
PÁ-CARREGADEIRA L110	2002 ↑	F170RMD	L170FMD
PÁ-CARREGADEIRA L120	2002 ↑	F170RMD	L170FMD
PÁ-CARREGADEIRA L60	2001 ↑	F100RMF	L100FMF
PÁ-CARREGADEIRA L70	2001 ↑	F100RMF	L100FMF
PÁ-CARREGADEIRA L90	2001 ↑	F100RMF	L100FMF
SKID STEER MC110	2005 ↑	F100RMF	L100FMF
SKID STEER MC60	2005 ↑	F100RMF	L100FMF
SKID STEER MC70	2005 ↑	F100RMF	L100FMF
SKID STEER MC80	2005 ↑	F100RMF	L100FMF
SKID STEER MC90	2005 ↑	F100RMF	L100FMF



YALE

GDP055RL	2005 ↑	F100RMF	L100FMF
GDP060TL	2005 ↑	F100RMF	L100FMF
GDP070LJ	2005 ↑	F100RMF	L100FMF
GDP080LJ	2005 ↑	F100RMF	L100FMF
GDP090LJ	2005 ↑	F100RMF	L100FMF
GP055RL	2005 ↑	F100RMF	L100FMF
GP060TL	2005 ↑	F100RMF	L100FMF
GP070LJ	2005 ↑	F70RD	L70FD
GP080LJ	2005 ↑	F70RD	L70FD
GP090LJ	2005 ↑	F70RD	L70FD

INFORMAÇÕES TÉCNICAS

Modelo	Linha	Tensão (v)	Capacidade Nominal (ah)	Reserva de Capacidade (min)	CCA (ah) (-18°C)	Peso (kg) (+/- 5%)	Comprimento	Medidas (mm): Largura Altura	
FR40DHF	FREE PREMIUM	12	40	57	230	10.6	197	130	225
F45RD	FREE PREMIUM	12	45	68	300	11.7	205	175	175
F45RE	FREE PREMIUM	12	45	68	300	11.7	205	175	175
FX45D	FREE PREMIUM	12	45	68	350	11.4	205	175	175
F48RD	FREE PREMIUM	12	48	70	350	11.9	205	175	175
FB50D	FREE PREMIUM	12	50	75	350	13.5	242	175	175
FB50E	FREE PREMIUM	12	50	75	350	13.5	242	175	175
FR50DHC	FREE PREMIUM	12	50	78	300	13.0	238	130	225
FR50EHC	FREE PREMIUM	12	50	78	300	13.0	238	130	225
F50DT	FREE PREMIUM	12	50	85	350	12.1	205	175	190
FB60D	FREE PREMIUM	12	60	95	450	13.9	242	175	175
FB60E	FREE PREMIUM	12	60	95	450	13.9	242	175	175
FB60AD	FREE PREMIUM	12	60	95	460	13.9	242	175	190
FB60AE	FREE PREMIUM	12	60	95	460	13.9	242	175	190
FR70D	FREE PREMIUM	12	70	110	450	16.7	275	175	175
FR70E	FREE PREMIUM	12	70	110	450	16.7	275	175	175
FR80D	FREE PREMIUM	12	80	130	485	18.2	285	175	175
FR80AD	FREE PREMIUM	12	80	135	430	19.3	260	173	225
FR80AE	FREE PREMIUM	12	80	135	430	19.3	260	173	225
FR90CD	FREE PREMIUM	12	90	160	500	21.6	295	165	235
FR90CE	FREE PREMIUM	12	90	160	500	21.6	295	165	235
F100RMF	FREE PREMIUM	12	100	180	570	25.8	330	173	240
F150RMD	FREE PREMIUM	12	150	305	800	40.0	510	215	230
F150RME	FREE PREMIUM	12	150	305	800	40.0	510	215	230
F170RMD	FREE PREMIUM	12	170	350	810	42.6	510	215	230
F170RME	FREE PREMIUM	12	170	350	810	42.6	510	215	230
F180RMD	FREE PREMIUM	12	180	380	830	44.5	510	215	230
F180RME	FREE PREMIUM	12	180	380	830	44.5	510	215	230
LF36D	LIFE (BAIXA MANUTENÇÃO)	12	36	56	200	10.2	205	175	175
LF36E	LIFE (BAIXA MANUTENÇÃO)	12	36	56	200	10.2	205	175	175
L45FD	LIFE (BAIXA MANUTENÇÃO)	12	45	68	300	11.7	205	175	175
L45FE	LIFE (BAIXA MANUTENÇÃO)	12	45	68	300	11.7	205	175	175
L48FE	LIFE (BAIXA MANUTENÇÃO)	12	48	70	350	11.9	205	175	175
L48FD	LIFE (BAIXA MANUTENÇÃO)	12	48	70	350	11.9	205	175	175
LB50D	LIFE (BAIXA MANUTENÇÃO)	12	50	75	350	13.5	242	175	175
LB50E	LIFE (BAIXA MANUTENÇÃO)	12	50	75	350	13.5	242	175	175
LB60D	LIFE (BAIXA MANUTENÇÃO)	12	60	95	450	13.9	242	175	175
LB60E	LIFE (BAIXA MANUTENÇÃO)	12	60	95	450	13.9	242	175	175
L70FD	LIFE (BAIXA MANUTENÇÃO)	12	70	110	450	16.7	275	175	175
L70FE	LIFE (BAIXA MANUTENÇÃO)	12	70	110	450	16.7	275	175	175
LF80D	LIFE (BAIXA MANUTENÇÃO)	12	80	130	485	18.2	285	175	175
LF80E	LIFE (BAIXA MANUTENÇÃO)	12	80	130	485	18.2	285	175	175
LF90CD	LIFE (BAIXA MANUTENÇÃO)	12	90	160	500	21.6	295	165	235
LF90CE	LIFE (BAIXA MANUTENÇÃO)	12	90	160	500	21.6	295	165	235
LF90SD	LIFE (BAIXA MANUTENÇÃO)	12	90	170	560	23.1	360	175	190
L100FMF	LIFE (BAIXA MANUTENÇÃO)	12	100	180	570	25.8	330	173	240
LF130TOY	LIFE (BAIXA MANUTENÇÃO)	12	130	240	670	36.2	425	175	280
L150FMD	LIFE (BAIXA MANUTENÇÃO)	12	150	305	800	40.0	510	215	230
L150FME	LIFE (BAIXA MANUTENÇÃO)	12	150	305	800	40.0	510	215	230
L170FMD	LIFE (BAIXA MANUTENÇÃO)	12	170	350	810	42.6	510	215	230
L170FME	LIFE (BAIXA MANUTENÇÃO)	12	170	350	810	42.6	510	215	230
L180FMD	LIFE (BAIXA MANUTENÇÃO)	12	180	380	830	44.5	510	215	230
L180FME	LIFE (BAIXA MANUTENÇÃO)	12	180	380	830	44.5	510	215	230
LF180SC	LIFE (BAIXA MANUTENÇÃO)	12	180	380	900	43.5	515	220	215
LF2050N	LIFE (BAIXA MANUTENÇÃO)	12	205	440	950	53.0	525	275	245
LF2250NE	LIFE (BAIXA MANUTENÇÃO)	12	225	480	1000	55.2	525	275	245
LF2250N	LIFE (BAIXA MANUTENÇÃO)	12	225	480	1000	55.2	525	275	245



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