

INSTRUÇÃO NORMATIVA 127 - Nível de Opacidade

Agrale	Motorização	Rotação do Motor (rpm)		Opacidade		Ruído	
		Marcha Lenta	Máxima Livre	até 350 m	> 350 m	Rotação (rpm)	Medida (dB(A))
Caminhões							
6000 E-Mec	MWM 4.10 TCA Euro III 115 cv (85 kW)	750 ±50	2700 ±100	1,45	1,96	1800	89,3
8500 E-Mec	MWM 4.10 TCA Euro III 115 cv (85 kW)	750 ±50	2700 ±100	1,45	1,96	1800	87,2
8500 CD E-Mec	MWM 4.10 TCE Euro III 115 cv (85 kW)	750 ±50	2700 ±100	1,45	1,96	1800	87,2
8500 CD E-Tronic	MWM 4.12 TCE Euro III 150 cv (110 kW)	770 ±50	2800 ±100	1,48	2,00	1650	89,7
9200 CE E-Tronic	MWM 4.12 TCE Euro III 150 cv (110 kW)	770 ±50	2800 ±100	1,48	2,00	1650	89,7
13000	MWM 6.10 Euro III 127 Kw	800 ±100	2750 ±100	1,48	2,00	1800	88,0
Furgovan 6000	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	90,6
Furgovan 8000	MWM 4.10 TCA Euro III 115 cv (85 kW)	750 ±50	2700 ±100	1,45	1,96	1800	96,6

Chassis							
MA 7.9 E-Mec	MWM 4.10 TCA Euro III 115 cv (85 kW)	750 ±50	2700 ±100	1,45	1,96	N/A	N/A
MA 8.5 E-Tronic	MWM 4.12 TCA Euro III 150 cv (110 kW)	770 ±50	2800 ±100	1,48	2,00	N/A	N/A
MA 9.2 E-Tronic	MWM 4.12 TCA Euro III 150 cv (110 kW)	770 ±50	2800 ±100	1,48	2,00	N/A	N/A
MA 10.0	MWM 4.12 TCA Euro III 150 cv (110 kW)	770 ±50	2800 ±100	1,48	2,00	N/A	N/A
MA 15.0	MWM 4.12 TCE Euro III 185cv (136kW)	750 ±100	2750 ±100	1,48	2,00	N/A	N/A
MA 15.0	Cummins ISBe 220 cv (162 kW) P5-0	600-800	2850	1,19	1,61	N/A	N/A
MA 15.0	Cummins ISBe 185 cv (136kW) P5-0	700	2850	1,48	2,00	N/A	N/A
MA 15.0	MWM 6.10	800 ±100	2750 ±100	1,48	2,00	N/A	N/A
MA 15.0	MWM 4.12 TCE 180 cv (133 kW)	750 ±100	2750 ±50	1,48	2,00	N/A	N/A
MA 12.0	Cummins ISBe 170 cv (125 kW) P5-0	750	2850	1,45	1,96	N/A	N/A
MA 12.0	MWM 4.12 TCE 180 cv (133 kW)	750 ±100	2750 ±50	1,48	2,00	N/A	N/A
MT 12.0 LE	Cummins ISBe 220 cv (162 kW) P5-0	600-800	2850	1,19	1,61	N/A	N/A
MT 12.0 LE	Cummins ISBe 170 cv (125 kW) P5-0	750	2850	1,45	1,96	N/A	N/A
MT 12.0 SB	Cummins ISBe 170 cv (125 kW) P5-0	750	2850	1,45	1,96	N/A	N/A
MT 12.0 SB	Cummins ISBe 220 cv (162 kW) P5-0	600-800	2850	1,19	1,61	N/A	N/A
MT 15.0 LE	MWM 6.10 TCA (127 Kw)	800 ±100	2750 ±100	1,48	2,00	N/A	N/A
MT 15.0 LE	Cummins ISBe 220 cv P5-0	600-800	2850	1,19	1,61	N/A	N/A
MT 15.0 LE	MWM 4.12 TCE Euro III 185cv	750 ±100	2750 ±100	1,48	2,00	N/A	N/A
MT 15.0 SB	Cummins ISBe 185 cv P5-0	700	2850	1,48	2,00	N/A	N/A
MT 15.0 SB	MWM 6.10 TCA (127 Kw)	800 ±100	2750 ±100	1,48	2,00	N/A	N/A
MT 15.0 SB	Cummins ISBe 220 cv P5-0	600-800	2850	1,19	1,61	N/A	N/A
MT 15.0 SB	MWM 4.12 TCE Euro III 185cv	750 ±100	2750 ±100	1,48	2,00	N/A	N/A

Utilitários							
Marruá Longo 4WD AM 50 L	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	93,9
Marruá Cargo 4WD Militar AM 50 CS	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	93,9
Marruá Cargo 4WD Militar AM 50 CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	93,9
Marruá Cargo Lite AM 100 CS	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	93,9
Marruá Cargo Lite AM 100 CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	93,9
Marruá AM 200 CC	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	90,9
Marruá AM 200 CC CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	90,9
Marruá AM 200 CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	90,9

Marruá AM 200	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	90,9
Marruá 4WD AM 50	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	93,9
Marruá AM 100 CC	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM100 CC CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM 100 CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM 100	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM 150 CC	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM 150 CC CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM 150 CD	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0
Marruá AM 150	MWM 4.07 TCE Euro III 140 cv (103 kW)	760 ±100	4250 ±100	1,54	2,08	2625	91,0