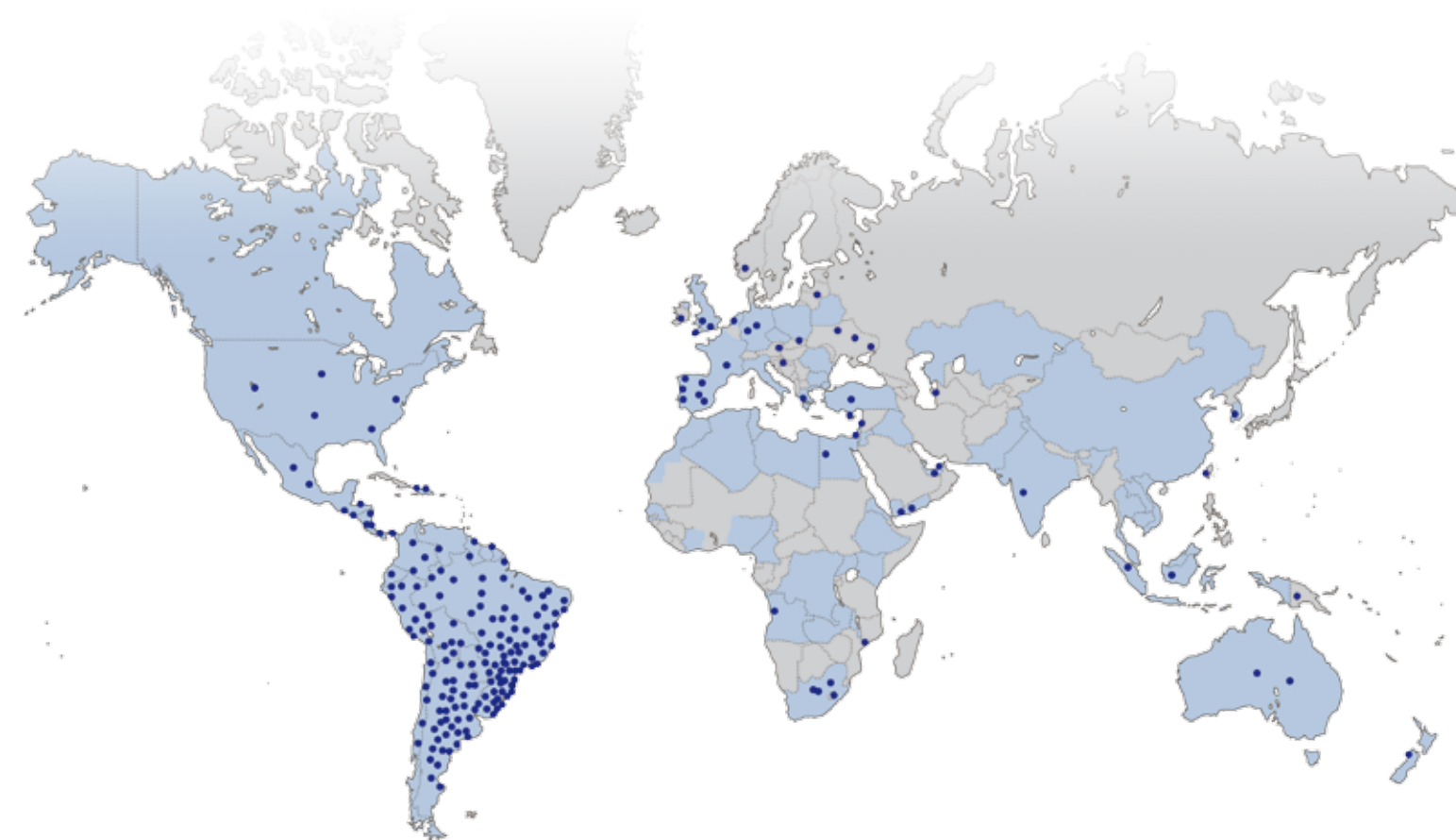


# MAXXFORCE<sup>®</sup> A

AGRICULTURAL APPLICATION

## GLOBAL DISTRIBUTION AND SERVICES. THE MAXXFORCE BRAND DELIVERS WORLDWIDE.

Our customers receive the best performing diesel engines with the best performing organization behind it. This organization spans the globe with our Global Distribution and Service network. With a well-established, and growing distribution, service and parts network in North America, South America, the Middle East and Asia, MaxxForce engines are "Always Performing" and supported everywhere our customers are depending on them. With developing points in Australia, South Africa and Eastern Europe, the MaxxForce service network can be counted on to maintain your power needs.



## NAVISTAR<sup>®</sup>



MAXXFORCE purePOWER<sup>®</sup>  
TECHNOLOGIES

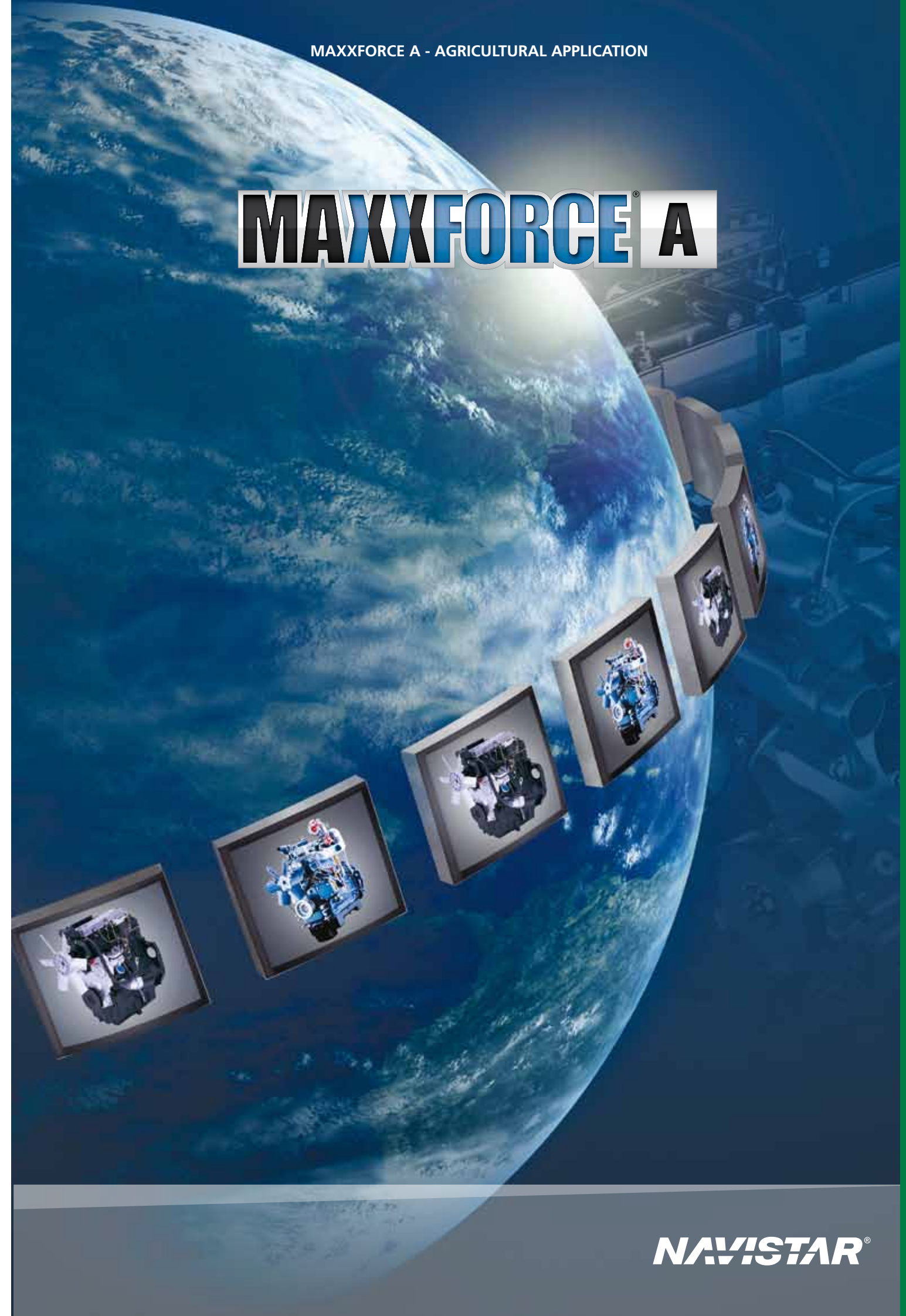
[www.maxxforce.com.br](http://www.maxxforce.com.br)

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MAXXFORCE A - AGRICULTURAL APPLICATION

# MAXXFORCE<sup>®</sup> A



## NAVISTAR<sup>®</sup>



# MAXXFORCE<sup>®</sup> A

## AGRICULTURAL APPLICATION

Allied to agriculture from the start, MWM INTERNATIONAL expands this legacy with the MaxxFerA engines. Whatever your motoring requirement, terrain, or continent in which your crops may be, MaxxFer engines will help you to obtain success. Be it a tractor, a harvester or a sprayer, we have the experience to meet your agricultural needs with MaxxFer Diesel engines. All of our MaxxFer engines are as powerful as they are reliable.



229 Series



MS Series

MS Series	MaxxFer 3.9A	MaxxFer 4.1A	MaxxFer 4.1A
Emissions	No Certification	No Certification	No Certification
Configuration	4 cylinders, In line	4 cylinders, In line	4 cylinders, In line
Valves per Cylinder	2	2	2
Displacement	3,9 Liters	4,1 Liters	4,1 Liters
Bore x Stroke	98,4 x 127 mm	101 x 127 mm	101 x 127 mm
Combustion System	Direct injection	Direct injection	Direct injection
Injection System	Mechanical	Mechanical	Mechanical
Aspiration	Natural	Natural	Turbo
Power Output	65–82 hp (48–61 kW) @ 2200 rpm	72–83 hp (54–62 kW) @ 2200 rpm	92–105 hp (69–78 kW) @ 2200 rpm
Peak Torque	235–288 Nm (24–29 kgf.m) @ 1400 rpm	267–288 Nm (27–29 kgf.m) @ 1400 rpm	348–382 Nm (35–39 kgf.m) @ 1400 rpm
Weight (Dry)	325 kg	338 kg	358 kg
Dimensions (H x L x W)	778 x 705 x 494 mm	778 x 705 x 503 mm	941 x 705 x 503 mm

229 Series	MaxxFer 3.0A	MaxxFer 4.0A	MaxxFer 4.0A	MaxxFer 6.0A	MaxxFer 6.0A
Emissions	No Certification	No Certification	No Certification	No Certification	No Certification
Configuration	3 cylinders, In line	4 cylinders, In line	4 cylinders, In line	6 cylinders, In line	6 cylinders, In line
Valves per Cylinder	2	2	2	2	2
Displacement	2,94 Liters	3,92 Liters	3,92 Liters	5,88 Liters	5,88 Liters
Bore x Stroke	102 x 120 mm	102 x 120 mm	102 x 120 mm	102 x 120 mm	102 x 120 mm
Combustion System	Direct injection	Direct injection	Direct injection	Direct injection	Direct injection
Injection System	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Aspiration	Natural	Natural	Turbo	Natural	Turbo
Power Output	62 hp (46 kW) @ 2400 rpm	75–83 hp (56–62 kW) @ 2300 rpm	83–103 hp (62–77 kW) @ 2300 rpm	92–126 hp (69–94 kW) @ 2400 rpm	117–160 hp (87–119 kW) @ 2600 rpm
Peak Torque	196 Nm (20 kgf.m) @ 1400 rpm	265–279 Nm (27–28 kgf.m) @ 1500 rpm	297–372 Nm (30–38 kgf.m) @ 1500 rpm	351–402 Nm (36–41 kgf.m) @ 1400 rpm	430–559 Nm (44–57 kgf.m) @ 1500 rpm
Weight (Dry)	320 kg	380 kg	410 kg	535 kg	586 kg
Dimensions (H x L x W)	907 x 878 x 563 mm	945 x 1006 x 563 mm	945 x 1006 x 563 mm	953 x 1257 x 563 mm	953 x 1257 x 563 mm

10 Series	MaxxFer 4.3A	MaxxFer 4.3A	MaxxFer 4.3A	MaxxFer 6.5A	MaxxFer 6.5A	MaxxFer 6.5A
Emissions	No Certification	No Certification	Tier 2	No Certification	No Certification	No Certification
Configuration	4 cylinders, In line	4 cylinders, In line	4 cylinders, In line	6 cylinders, In line	6 cylinders, In line	6 cylinders, In line
Valves per Cylinder	2	2	2	2	2	2
Displacement	4,3 Liters	4,3 Liters	4,3 Liters	6,5 Liters	6,5 Liters	6,5 Liters
Bore x Stroke	103 x 129 mm	103 x 129 mm	103 x 129 mm	103 x 129 mm	103 x 129 mm	103 x 129 mm
Combustion System	Direct injection	Direct injection	Direct injection	Direct injection	Direct injection	Direct injection
Injection System	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Aspiration	Natural	Turbo	Turbo Intercooler	Aspirated	Turbo	Turbo Intercooler
Power Output	85 hp (62,5 kW) @ 2.200 rpm 89 hp (65 kW) @ 2.600 rpm	110 hp (82 kW) @ 2.200 rpm 130 hp (96 kW) @ 2.600 rpm	130 hp (96 kW) @ 2.600 rpm	142 hp (106 kW) @ 2.500 rpm	150–180 hp (110–145 kW) @ 2.500 rpm	180–240 hp (134–179 kW) @ 2.500 rpm
Peak Torque	288,12 Nm (29,4 kgf.m) @ 1400 rpm 284,2 Nm (29 kgf.m) @ 1400 rpm	375 Nm (38,2 kgf.m) @ 1500 rpm 411,6 Nm (41,6 kgf.m) @ 1600 rpm	421,4 Nm (43 kgf.m) @ 1600 rpm	646,8 Nm (66 kgf.m) @ 1400 rpm	568–627 Nm (58–64 kgf.m) @ 1400 rpm	558–834 Nm (57–85 kgf.m) @ 1500 rpm
Weight (Dry)	440 kg	452 kg	452 kg	583 kg	583 kg	570 kg
Dimensions (H x L x W)	891 x 857 x 735 mm	887 x 857 x 730 mm	887 x 857 x 730 mm	890 x 1134 x 743 mm	890 x 1134 x 743 mm	890 x 1134 x 743 mm

11 Series (*)	MaxxFer 3.1A	MaxxFer 4.2A	MaxxFer 6.2A
Emissions	Tier 4	Tier 4	Tier 4
Configuration	3 cylinders, In line	4 cylinders, In line	6 cylinders, In line
Valves per Cylinder	4	4	4
Displacement	3,1 Liters	4,2 Liters	6,2 Liters
Bore x Stroke	105 x 120 mm	105 x 120 mm	105 x 120 mm
Combustion System	Direct injection	Direct injection	Direct injection
Injection System	Electronic	Electronic	Electronic
Aspiration	WG Turbo	WG Turbo	WG Turbo
Power Output	134 hp (99,9 kW) @ 2.200 rpm	179 hp (133,5 kW) @ 2.200 rpm	293 hp (218,5 kW) @ 2.200 rpm
Peak Torque	450 Nm (45,8 kgf.m) @ 1.400 rpm	600 Nm (61,1 kgf.m) @ 1.400 rpm	850 Nm (86,6 kgf.m) @ 1.400 rpm
Weight (Dry)	370 kg	440 kg	610 kg
Dimensions (H x L x W)	1.001 x 746 x 522 mm	1.039 x 874 x 544 mm	1.045 x 1.260 x 544 mm

12 Series	MaxxFer 7.2A
Emissions	No Certification
Configuration	6 cylinders, In line
Valves per Cylinder	2
Displacement	7,2 Liters
Bore x Stroke	105 x 137 mm
Combustion System	Direct injection
Injection System	Mechanical
Aspiration	Turbo Wastegate
Power Output	206–310 hp (154–231 kW) @ 2500 rpm
Peak Torque	784–1049 Nm (80–107 kgf.m) @ 1600 rpm
Weight (Dry)	570 kg
Dimensions (H x L x W)	1540 x 1513 x 950 mm

(\*) In Development