

MWM ENGINES

Tradition and high performance
in the most varied applications

ENGINE PORTFOLIO

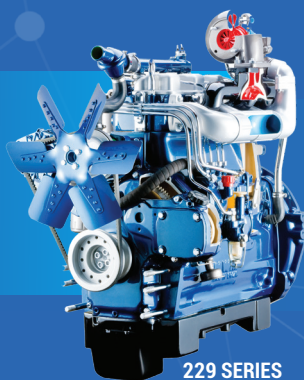


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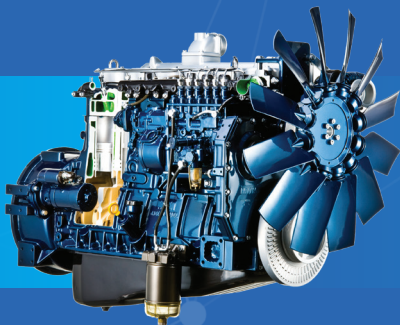
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229 SERIES

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SPECIFICATIONS	229 SERIES			
	229-3T		229-4NA	229-4T
Rated Power	52,9 kW / 71 hp 1500 rpm	52,2 kW / 70 hp 1800 rpm	61 kW / 82 hp 2200 rpm	77,2 kW / 105 hp 2200 rpm
Peak Torque	N/A		282 N.m 1500 rpm	395 N.m 1500 rpm
Configuration	In-line, 3 cylinder		In-line, 4 cylinder	
Valves per Cylinder	2		2	
Displacement	3.1 l		4.2 l	
Combustion System	Direct Injection		Direct Injection	
Fuel Injection System	Mechanical Rotary Injection Pump		Mechanical Rotary Injection Pump	
Aspiration	Turbocharged		Naturally aspirated	Turbocharged
Emissions Level	Non-Certified		Non-Certified	
Dry Weight	350 kg		460 kg	481 kg
Dimensions (H x L x W)	938 x 836 x 654 mm		930 x 868 x 654 mm	1005 x 980 x 654 mm



10 SERIES

10 SERIES

SPECIFICATIONS	10 SERIES			
	6.10T		6.10TCA	
Rated Power	132,4 kW / 178 hp 1780 rpm	132,4 kW / 178 hp 2500 rpm	158,1 kW / 212 hp 1780 rpm	158,1 kW / 212 hp 2500 rpm
Peak Torque	N/A	568,8 N.m 1500 rpm	N/A	N/A
Configuration	In-line, 6 cylinder		In-line, 6 cylinder	
Valves per Cylinder	2		2	
Displacement	6.5 l		6.5 l	
Combustion System	Direct Injection		Direct Injection	
Fuel Injection System	Mechanical In-line Injection Pump		Mechanical In-line Injection Pump	
Aspiration	Turbocharged		Turbocharged and Charge Air Cooled	
Emissions Level	Non-Certified		Non-Certified	
Dry Weight	570 kg		570 kg	
Dimensions (H x L x W)	889 x 1114 x 692 mm		889 x 1114 x 698 mm	

Dimensions and weight may vary depending on application configuration



12 SERIES

12 SERIES

SPECIFICATIONS	12 SERIES						
	4.12T	4.12TCA		6.12TCA		6.12TCE	
Rated Power	115,4 kW / 155 hp 1800 rpm	143,3 kW / 192 hp 1800 rpm	111,8 kW / 150 hp 2400 rpm	216,2 kW / 290 hp 1800 rpm	242,6 kW / 325 hp 1800 rpm	202,5 kW / 271 hp 2500 rpm	305 kW / 408 hp 1800 rpm
Peak Torque	N/A	N/A	555 N.m 1400 rpm	N/A	N/A	896,9 N.m 1800 rpm	N/A
Configuration	In-line, 4 cylinder	In-line, 4 cylinder		In-line, 6 cylinder		In-line, 6 cylinder	
Valves per Cylinder	2	2		2		4	
Displacement	4.8 l	4.8 l		7.2 l		7.2 l	
Combustion System	Direct Injection	Direct Injection		Direct Injection		Direct Injection	
Fuel Injection System	Mechanical Rotary Injection Pump	Mechanical Rotary Injection Pump		Mechanical Rotary Injection Pump		Mechanical In-line Injection Pump	Electronic Common rail
Aspiration	Turbocharged	Turbocharged and Charge Air Cooled		Turbocharged and Charge Air Cooled		Turbocharged and Charge Air Cooled	Turbocharged and Charge Air Cooled
Emissions Level	Non-Certified	Non-Certified		Non-Certified		Non-Certified	
Dry Weight	456 kg	457 kg	465 kg	590 kg		643 kg	
Dimensions (H x L x W)	987 x 966 x 714 mm	987 x 966 x 751 mm	959 x 952 x 829 mm	952 x 1112 x 750 mm		917 x 1240 x 760 mm	

12 SERIES (MAR-I / STAGE IIIA)

SPECIFICATIONS	12 SERIES (MAR-I / STAGE IIIA)					
	*4.12TCAi	4.12TCE		6.12TCE		
Rated Power @ 2200rpm	95,5 kW /128 hp	118 kW / 147 hp	140 kW / 187 hp	162 kW / 217 hp	191 kW / 256 hp	206 kW / 276 hp
Peak Torque	550 N.m 1300 to 1400 rpm	640 N.m 1500 rpm	700 N.m 1500 rpm	880 N.m 1300 rpm	1040 N.m 1300 rpm	1120 N.m 1300 rpm
Configuration	In-line, 4 cylinder	In-line, 4 cylinder		In-line, 6 cylinder		
Valves per Cylinder	2	2		2		
Displacement	4.8 l	4.8 l		7.2 l		
Combustion System	Direct Injection	Direct Injection		Direct Injection		
Fuel Injection System	Mechanical Rotary Injection Pump	Electronic Common rail		Electronic Common rail		
Aspiration	Turbocharged and Charge Air Cooled	Turbocharged and Charge Air Cooled		Turbocharged and Charge Air Cooled		
Dry Weight	430 kg	450 kg		570 kg		
Dimensions (H x L x W)	863 x 885 x 758 mm	824 x 903 x 815 mm		882 x 1112 x 770 mm		

* Engine with internal EGR (Exhaust Gas Recirculation System)

Dimensions and weight may vary depending on application configuration