

# MAXXFORCE™ ENGINES: PERFORMANCE TO THE MAXX.

	MAXXFORCE™ DT	MAXXFORCE™ 7	CATERPILLAR C-7	CUMMINS ISB	CUMMINS ISC	MERCEDES MBE 900
Horsepower Range	210-285	200-230	175-330	185-275	225-350	190-300
Torque Range (lb. ft.)	560-800	560-620	520-860	420-660	620-1050	520-860
Displacement cu. in. (liters)	466 (7.6)	390 (6.4L)	439 (7.2L)	409 (6.7L)	505 (8.3L)	439 (7.2L)
Weight (lbs.)	1,560	1,150	1,295	1,150	1,530	1,168
Configuration	I-6	V-8	I-6	I-6	I-6	I-6
Valves Per Cylinder	4	4	3	4	4	3
Cylinder Design	Wet-Replaceable Cylinder Sleeves	Parent Bore	Parent Bore	Parent Bore	Wet Sleeves	Parent Bore
Turbo	EVRT®	EVRT®	Vane type VGT	Sliding Nozzle VGT	Sliding Nozzle VGT	Waste Gate or 2-stage
Cam Followers	Roller	Hydraulic Roller	Roller	Flat	Flat	Flat
Fuel System	Electro-Hydraulic Unit Injector - G2	Piezo High Pressure Common Rail	High Pressure Common Rail	High Pressure Common Rail	High Pressure Common Rail	Cam driven unit pump, line, injector nozzle
Head Bolts Per Cylinder	6	4	4	4	6	4
Oil Cooler Thermostat	Yes	No	No	No	No	No
Braking Options	Diamond Logic® Exhaust Brake and Diamond Logic Engine Brake	None	Exhaust (butterfly type)	Exhaust (butterfly type)	Exhaust (butterfly type)	Exhaust (butterfly type) and Bleeder (small 4th valve)
Oil Change Intervals	15,000 mi. / 550 hrs. / 2,100 gals. fuel	10,000 mi. / 350 hrs. / 1,500 gals. fuel	11-15,000 mi. / 250-400 hrs. / 1,100-1,500 gals.	Up To 15,000 mi. / 500 hrs./6-mos.	Up To 15,000 mi. or 500 hrs.	15,000 to 20,000 mi.
Fuel Filter Change Intervals	Every 2nd Oil Change or by Restriction	Every 2nd Oil Change	Every 2nd Oil Change	Same as Oil/Filter	15,000 mi.	80,000 mi.
Crankcase Ventilation System	Centrifugal Separator, No Maintenance	Static Separator, No Maintenance	Coalescing filter, Requires Maintenance	Coalescing filter, Requires Maintenance	Coalescing filter, Requires Maintenance	High Voltage Electrostatic Precipitator, No Maintenance
NOx emissions control strategy	Cooled EGR	Cooled EGR	ACERT + CGI (low pressure EGR)	Cooled EGR	Cooled EGR	Cooled EGR
DPF Service Strategy	Forced air	Forced air	Forced air, on vehicle capable	Forced Air	Forced Air	Liquid
DPF Regeneration Strategy	In-Cylinder Dose	In-Cylinder Dose	Air, Fuel, Spark in DPF	In-Cylinder Dose	In-Cylinder Dose	Down Stream Injection



For more information:  
IC-Corp.com  
MaxxForce.com



A NAVISTAR COMPANY