



Technical Features

F-MAX Series



Sharing the load

Technical Features

February 2025

Technical Features	F-MAX	F-MAX L	F-MAX LL
Engine			
Type	GEN2 Ecotorq Euro 6 130 mm x 160 mm	GEN2 Ecotorq Euro 6 130 mm x 160 mm	GEN2 Ecotorq Euro 6 130 mm x 160 mm
Displacement (cc)	12.740 cm3	12.740 cm3	12.740 cm3
Power PS (kW)	510PS (375 kW) @1800d/d	510PS (375 kW) @1800d/d	510PS (375 kW) @1800d/d
Torque	2600Nm @1000-1300d/d	2600Nm @1000-1300d/d	2600Nm @1000-1300d/d
Powertrain			
Clutch	430 mm Single Disc	430 mm Single Disc	430 mm Single Disc
Transmission / Ratios	Automated: Ecotorq 16S 2600 OD (14,107 - 0,823)	Automated: Ecotorq 16S 2600 OD (14,107 - 0,823)	Automated: Ecotorq 16S 2600 OD (14,107 - 0,823)
Forward and Reverse Gear	16 forward + 4 reverse	16 forward + 4 reverse	16 forward + 4 reverse
FDR	2,31	2,31	2,17
Axle & Suspension			
Axle Configuration	4x2	4x2	4x2
Front Axle	8 T	8 T	7,5 T
Rear Axle	XSS - 470, 11.5 T	XSS - 470, 11.5 T	XSS - 470, 11.5 T
Suspension	Parabolic Front Leaf Spring/ 2 Bellow Rear Air Suspension	Parabolic Front Leaf Spring/ 2 Bellow Rear Air Suspension	2 Bellow Front Air Suspension/ 4 Bellow Rear Air Suspension
Brakes			
Brake System	Dual Brake Circuit - Air Processing Unit with Integrated Oil Separator and Heater	Dual Brake Circuit - Air Processing Unit with Integrated Oil Separator and Heater	Dual Brake Circuit - Air Processing Unit with Integrated Oil Separator and Heater
Service Brake	Front and Rear Disc Brakes	Front and Rear Disc Brakes	Front and Rear Disc Brakes
Brakes (Front/Rear) (Ø.mm x mm. Length)	430 x 45 - Disc Brake	430 x 45 - Disc Brake	430 x 45 - Disc Brake
Engine Brake Power	max. 320 kW (Engine Level)	max. 320 kW (Engine Level)	max. 320 kW (Engine Level)
Hydraulic Retarder	max. 450 kW / continuous 160 kW	max. 450 kW / continuous 160 kW	max. 450 kW / continuous 160 kW
Drivers Cab			
Cabin Type	Extra High Roof Sleeper Cab	Extra High Roof Sleeper Cab	Extra High Roof Sleeper Cab
Fuel & AdBlue Tank			
Fuel Tank	450L, Left Hand Side, Aluminum, 600L, Right Hand Side, Aluminum	600L, Left Hand Side, Aluminum, 750L, Right Hand Side, Aluminum	410L, Left Hand Side, Aluminum, 510L, Right Hand Side, Aluminum
SCR Tank	78 L	78 L	55 L
Chassis			
Thickness and Material	U Profile, High Strength, 8 mm Thickness, S500 MC Material	U Profile, High Strength, 8 mm Thickness, S500 MC Material	U Profile, High Strength, 10 mm Thickness, S500 MC Material
5th Wheel			
Brand / Model / Height	SAF Holland / SK-S 36.20 / 150 mm / 1100 mm	SAF Holland / SK-S 36.20 / 150 mm / 1100 mm	SAF Holland / SK-S 36.20 / 128 mm / 980 mm
Mounting Plate Height	12 mm	12 mm	12 mm
Tires			
Front Axle	315/70 R 22,5	315/70 R 22,5	315/60 R 22,5
Rear Axle	315/70 R 22,5	315/70 R 22,5	295/60 R 22,5
Rims	22.5X9.0 Steel	22.5X9.0 Steel	22.5X9.0 Steel

Standard and Optional Features

February 2025

Standard and Optional Features	F-MAX	F-MAX L	F-MAX LL
Safety & Technology			
Pre-Collision Assist	•	•	•
Lane Keeping Alert (LDWS)	•	•	•
Electronic Stability Program (ESP)	•	•	•
Driver Alert System	•	•	•
Moving-off Information System (MOIS)	•	•	•
Rear View Camera	•	•	•
Blind Spot Information System (BLIS)	•	•	•
Alcohol Interlock Facilitation	•	•	•
Traffic Sign Recognition	•	•	•
Emergency Stop Signal	•	•	•
Tire Pressure Monitoring System (TPMS)	•	•	•
Auto High Beam Headlamps	◦	◦	◦
Pre-Collision Assist with Pedestrian Detection	◦	◦	◦
Intelligent Adaptive Cruise Control with Stop & Go (iACC)	◦	◦	◦
Lane Keeping Aid (LKA)	◦	◦	◦
Electronic Brake System with ABS & ATC (EBS)	•	•	•
Electro-Hydraulic Steering System (EHPAS)	•	•	•
Retarder	◦	◦	◦
Differential Lock	•	•	•
Predictive Cruise Control (PCC)	•	•	•
Interior			
Multimedia System with 9" Touch Screen (DAB Radio, Bluetooth, USB (A Type - C Type), Apple CarPlay, Android Auto, Remote Control)	•	•	•
DECAL Sticker	◦	◦	◦
Navigation	•	•	•
Improved Sound and Heat Insulation	•	•	•
Air Conditioning	•	•	•
Parking Cooler	◦	◦	◦
Park Heater & Automatic Heater	•	•	•
Dry & Wet Type Cab Heater	◦	◦	◦
Dry Type Cab Heater	•	•	•
Electric Sunroof	•	•	•
Air Passenger Seat with Double Armrests	◦	◦	◦
Heated and Air Suspension Driver Seat	•	•	•
Refrigerator (38 L)	•	•	•
Exterior Sunvisor	◦	◦	◦
Axle Load Measurement Device	•	•	•
24 V / 130A Electric Socket	•	•	•
Driver Seatbelt Warning System	•	•	•

Standard and Optional Features	F-MAX	F-MAX L	F-MAX LL
Interior			
Upper Storage Area	●	●	●
Double Bed	○	○	○
Single Bed	●	●	●
Side Window Dimmings	●	●	●
Bed Side Remote Control System	●	●	●
Black Alcantara Seat Fabric	●	●	●
Dark Interior Design	○	○	○
Dark Floor	●	●	●
Interior Lighting with Reading and Night Light Functions	●	●	●
Multi-Function Remote Control Key, 2 pieces	●	●	●
Exterior			
Heated and Electrically Controlled Side Mirrors	●	●	●
Spoiler & Side Extender	●	●	●
Side Skirt	○	-	-
55L SCR Tank	○	-	●
JOOST 5th Wheel	○	○	-
600L Aluminum Fuel Tank (Right Side)	○	-	-
400L Aluminum Fuel Tank (Right Side)	○	-	-
450L Aluminum Fuel Tank (Left Side)	○	○	-
750L Aluminum Fuel Tank (Right Side)	-	○	-
750L (Right Side) + 450L Aluminum Fuel Tank (Left Side)	-	○	-
600L (Right Side) + 450L Aluminum Fuel Tank (Left Side)	●	○	-
750L (Right Side) + 600L Aluminum Fuel Tank (Left Side)	-	●	-
510L (Right Side) + 410L Aluminum Fuel Tank (Left Side)	-	-	●
Electrically Operated Cab Tilting	●	●	●
Air Horn	○	○	○
XSS - 510 Rear Axle (Tech Capacity: 13,5T)	○	○	-
7,5T Front Axle Capacity	○	○	●
8T Front Axle Capacity	●	●	-
19T GVM	○	○	-
Engine PTO	○	○	-
NH4C Transmission PTO	○	○	-
NH1C Transmission PTO	○	○	-
NH4B Transmission PTO	○	○	-
Twin PTO (High Ratio)	○	○	○
FL, EX/II, OX & AT Classification ADR Package	○	○	○
Luxury Package (Aluminum Rims, Agate Black Door Handle, Agate Black Fender Hood, Black LED Headlamp, Black / Chrome F-MAX Label, Heated Air Suspension Passenger Seat, Side Skirt*, Dark Interior Design and Air Horn)	○	○	○
Aluminum Rims (Ford)	○	○	○
Aluminum Rims (Alcoa)	○	○	○
Without Front Spare Tire	○	○	○
Front Spare Tire / Rim	●	●	●

Standard and Optional Features	F-MAX	F-MAX L	F-MAX LL
Exterior			
LED Projector Headlamps	○	○	○
Halogen Headlamps	●	●	●
Rain Sensor & Autolamps	●	●	●
AGM Battery	●	●	●
Plateless 5th Wheel (for 1050 mm and 1100 mm JOST & C4AS)	○	-	-
No Grease 5th Wheel (1100 mm & 1200 mm)	○	○	-
New Low Rolling Resistance Tires	●	●	-
385/55 R22.5 Front Tire (With 315/70 R 22.5 Rear Tire)	○	○	-
385/65 R22.5 Front Tire (With 295/80 R 22.5 Rear Tire)	○	-	-
385/65 R22.5 Front Tire (With 315/80 R 22.5 Rear Tire)	○	○	-
355/50 R22.5 Front Tire (With 295/60 R 22.5 Rear Tire)	-	-	○
355/50 R22.5 Front Tire (With 315/60 R 22.5 Rear Tire)	○	○	-
4 Bellows Rear Air Suspension (C4AS)	○	○	●
50T GTM with 20T GVM (4 Bellows Rear Air Suspension (C4AS) & Balloon Tires and XSS-510 Rear Axle)	-	○	-
Front Air Suspension	○	○	●
Adjustable Air Compressor	●	●	●
Caliper with Pad Return Spring	●	●	●
Side Extender Sealings & Wheel Arch Capping& Winglet & Door Bumper Sealer & Speed Lip & A-Pillar Deflector	●	●	●
Active Grill Shutter	●	●	●
HVO Compatability	●	●	●
Digital Mirror System (Base Pack)	○	○	○
Digital Mirror System (Premium Pack)	○	○	○
Smart Tachograph	●	●	●
Cabin With Air Suspension	●	●	●
Black Front Grill	●	●	●
Bright Front Grill	○	○	○
Mattress Topper for Lower Bed	○	○	○
Long Bumper	●	●	●
Eco+Mode	●	●	●
Toll Collect Infrastructure	●	●	●
Cold Pack	○	○	○
Dual Color	○	○	○
Front Towing Hooks	○	○	○
LED Working Lamp	●	●	●

● Standard ○ Optional



Dimensions (mm)	F-MAX	F-MAX L	F-MAX LL
Wheelbase (A)	3600	3750	3600
Overall Length (B)	5877	6162	5907
Front Overhang (C)	1420	1450	1443
Rear Overhang (D)	857	962	873
Overall Vehicle Width (Excluding Mirrors) (E)	2540	2540	2540
Overall Cab Length (F)	2350	2350	2350
Total Vehicle Height (G)	3962	3919	3950
Turning Radius	7590	7810	7590
Useful Chassis Length	3150	3243	3135

Tire & FDR	5th Wheel Height	FDR	Rear Tire	Loaded 5th Wheel Height (10 mm Tolerance)	Unloaded 5th Wheel Height (10 mm Tolerance)
F-MAX	1050 mm	2,47	315/60 R22.5	1075 mm	1098 mm
	1100 mm	2,31 & 2,47	315/70 R22.5	1120 mm	1147 mm
	1150 mm	2,47	295/80 R22,5	1161 mm	1194 mm
	1200 mm	2,47	295/80 R22,5	1161 mm	1225 mm
	1200 mm	2,47	315/80 R22,5	1221 mm	1245 mm
	1250 mm	2,47	295/80 R22,5	1264 mm	1290 mm
F-MAX L	1250 mm	2,47	315/80 R22,5	1286 mm	1310 mm
	1050 mm	2,47	315/60 R22.5	1075 mm	1098 mm
	1100 mm	2,31 & 2,47	315/70 R22.5	1120 mm	1147 mm
	1150mm	2,31 & 2,47	315/70 R22.5	1152 mm	1179 mm
	1200 mm	2,31 & 2,47	315/70 R22.5	1152 mm	1210 mm
F-MAX LL	1250 mm	2,47	315/80 R22.5	1286 mm	1310 mm
	980 mm	2,17 & 2,31	295/60 R22.5	976 mm	999 mm

	Weights (kg)	1st Axle	2nd Axle	Total
F-MAX	Technically Permissible Weight	8000	12000	18000
	Kerb Weight**	5888	2566	8454
	Payload**	2112	9434	9546
	Regulatory Permissible Weight	8000	11500	18000
F-MAX L	Technically Permissible Weight	8000	12600	19000
	Kerb Weight	6139	2660	8799
	Payload	1861	9940	10201
	Regulatory Permissible Weight	8000	11500	18000
F-MAX LL	Technically Permissible Weight	7500	11650	18000
	Kerb Weight	6071	2462	8533
	Payload	1429	9188	9467
	Regulatory Permissible Weight	7500	11500	18000

*The kerb weight data includes a 90% full fuel tank, other fluids, tools, a spare tire, and a driver weighing 75 kg. Weight values may vary depending on the vehicle configuration.

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