



Technical Features

F-LINE Tipper Series



*The vehicle image may differ from the actual vehicle.

Technical Features	2533D	3542D			4142D
Engine	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab	Crew Cab	Day Cab
Type	GEN1.5 Ecotorq Euro 5 115 mm x 144 mm	GEN1.5 Ecotorq Euro 5 130 mm x 160 mm	GEN1.5 Ecotorq Euro 5 130 mm x 160 mm	GEN1.5 Ecotorq Euro 5 130 mm x 160 mm	GEN1.5 Ecotorq Euro 5 130 mm x 160 mm
Displacement (cc)	8.974 cm3	12.740 cm3	12.740 cm3	12.740 cm3	12.740 cm3
Power PS (kW)	330 PS (243 kW) @ 1900-2200 rpm	420 PS (309 kW) @ 1800 rpm	420 PS (309 kW) @ 1800 rpm	420 PS (309 kW) @ 1800 rpm	420 PS (309 kW) @ 1800 rpm
Torque	1300 Nm @ 1200-1700 rpm	2150 Nm @ 1000-1300 rpm			
Powertrain					
Clutch	430 mm Single Disc				
Transmission / Ratios	Automated: ZF 9S 14409 (9,48 - 0,75) Manual: Eaton 9S 13209 (9,40 - 0,75)	Automated: Ecotorq 16S 2600 OD (14,107 - 0,823)			
Forward and Reverse Gear	Automated: 9 forward + 1 reverse Manual: 9 forward + 1 reverse	Automated: 16 forward + 2 reverse	Automated: 16 forward + 2 reverse	Automated: 16 forward + 2 reverse	Automated: 16 forward + 2 reverse
FDR	4,44	4,08	4,08	4,08	4,87
Axle & Suspension					
Axle Configuration	6x2	6x4	6x4	6x4	8x4
Front Axle	7,1 T	8 T	8 T	8 T	8 T
Rear Axle	XSS - 510, 13.5T	XPT - 330, 16T			
Suspension	Parabolic Front Leaf Spring/ Compensating Rear Mechanical Suspension	Parabolic Front Leaf Spring/ Medium Duty Tandem Rear Mechanical Suspension	Parabolic Front Leaf Spring/ Medium Duty Tandem Rear Mechanical Suspension	Parabolic Front Leaf Spring/ Medium Duty Tandem Rear Mechanical Suspension	Parabolic Front Leaf Spring/ Medium Duty Tandem Rear Mechanical 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	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 Drum Brakes				
Brakes (Front/Rear) (Ø.mm x mm. Length)	410 mm x 200 mm Z-Cam Drum Brake				
Engine Brake Power	max. 220 kW (Engine Level)	max. 320 kW (Engine Level)			
Hydraulic Retarder	-	max. 450 kW / continuous 160 kW			
Fuel & AdBlue Tank					
Fuel Tank	315 L, Right Hand Side, Steel				
SCR Tank	55 L				
Chassis					
Thickness and Material	U Profile, High Strength, 10 mm Thickness, S500 MC Material	U Profile, High Strength, 10 mm Thickness, S500 MC Material	U Profile, High Strength, 10 mm Thickness, S500 MC Material	U Profile, High Strength, 10 mm Thickness, S500 MC Material	U Profile, High Strength, 10 mm Thickness, S500 MC Material
Tires					
Front Axle	315/80 R 22,5				
Rear Axle	315/80 R 22,5				
Rims	22.5X9.0 Steel				

Standard and Optional Features

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Standard and Optional Features	2533D	3542D		4142D	
Safety & Technology	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab	Crew Cab	Day Cab
Electronic Stability Program (ESP)	○	○	○	○	○
Electronic Brake System with ABS & ATC (EBS)	●	●	●	●	●
Electro-Hydraulic Steering System (EHPAS)	-	○	○	○	●
Retarder	-	○	○	○	○
Diferential Lock	●	●	●	●	●
Interior					
Multimedia System with 9" Touch Screen (DAB Radio, Bluetooth, USB (A Type - C Type), Apple CarPlay, Android Auto, Remote Control)	○	○	○	○	○
Navigation	○	○	○	○	○
12" Ghost Cluster	●	●	●	●	●
Improved Sound and Heat Insulation	●	●	●	●	●
Manual Sunroof	●	○	●	●	○
Air Conditioning	●	●	●	●	●
Dry & Wet Type Cab Heater	○	-	○	○	-
Dry Type Cab Heater	○	-	○	○	-
Wet Type Cab Heater	○	○	○	○	○
Dual Passenger Seat	-	○	-	-	○
Driver Seat Armrest	●	○	●	●	○
Axle Load Measurement Device	●	●	●	●	●
Adjustable Steering Wheel	●	●	●	●	●
Driver Seatbelt Warning System	●	●	●	●	●
Mattress Topper for Lower Bed	○	-	○	○	-
Single Bed	●	-	●	●	-
Power Windows & Remote Height Adjustment	●	●	●	●	●
Side Window Dimmings	●	●	●	●	●
Rear Window	-	○	-	-	○
Bed Side Remote Control System	●	-	●	●	-
Interior Lighting with Reading and Night Light Functions	●	-	●	●	-
Multi-Function Remote Control Key, 2 pieces	●	●	●	●	●

Standard and Optional Features	2533D		3542D		4142D
	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab	Crew Cab	Day Cab
Heated and Electrically Controlled Side Mirrors	●	●	●	●	●
Reinforced Wheel Rim	-	-	-	-	○
250L Steel Fuel Tank (Right Side)	-	-	-	-	○
250L Steel Fuel Tank (Left Side)	-	-	-	-	-
4,89 FDR	-	-	-	-	-
4,87 FDR	-	○	○	○	●
4,08 FDR	-	●	●	●	○
4,63 FDR (with Full Trailer Pack - O3)	●	-	-	-	-
8 Ton Front Axle Capacity	○	●	●	●	●
3800 mm Wheelbase	●	●	●	-	-
4350 mm Wheelbase	-	-	-	-	○
4250 mm Wheelbase	○	-	-	-	-
4500 mm Wheelbase	-	-	○	●	-
4750 mm Wheelbase (For 1833D it transforms to 1833P)	-	-	○	●	○
5100 mm Wheelbase	-	-	-	-	●
HVO Compatability	-	-	-	-	-
Engine PTO	○	○	○	○	○
Twin PTO (Low and High Ratio)	○	○	○	○	○
NH4B Offset PTO with Flange (Double Gear)	○	○	○	○	○
NH4C Offset PTO without Flange (Double Gear)	●	●	●	●	●
Remote Transmission PTO Start-Stop Function	●	●	●	●	●
Remote Engine Stop-Start Function	●	●	●	●	●
Hydraulic Cab Tilting	●	●	●	●	●
Electrically Operated Cab Tilting	○	○	○	○	○
FL, EX/II, OX & AT Classification ADR Package	○	○	○	○	-
Full Trailer - O3 (up to 10T towing capability)	○	○	○	○	○
Full Trailer - O4 (50 mm) (more than 10T towing capability)	-	○	○	○	○
Without Front Spare Tire	○	○	○	○	○
Front Spare Tire / Rim	●	●	●	●	●
Horizontal Exhaust	●	●	●	●	●
Vertical Exhaust	-	○	-	-	-
LED Headlamps	○	○	○	○	○
Tail (Rear Stop) Lamp	●	●	●	●	●
Halogen Headlamps	●	●	●	●	●
Rain Sensor & Autolamps	●	●	●	●	●
EFB (240 Ah) Battery	●	●	●	●	●

Standard and Optional Features	2533D	3542D			4142D
Exterior	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab	Crew Cab	Day Cab
Switchable Air Brake Compressor	-	●	●	●	●
Digital Tachograph	●	●	●	●	●
4 Points Independent Cab Suspension	●	●	●	●	●
Medium Bumper	●	-	-	-	-
Short Bumper	-	●	●	●	●
Snow Plower Short Bumper	-	○	○	○	○
Torque Black Bumper	●	●	●	-	●
Body Color Bumper	-	-	-	●	-
Oil Pan Shield	-	-	-	-	○
Cold Pack	○	○	○	○	○
Single Beacon Lamp	-	○	-	-	○
Double Roof Beacon Lamps (Passenger Side Lamp & Driver Side Infrastructure)	○	○	○	○	○
Rear Towing Hooks	○	○	○	○	○
Front Towing Hooks	○	●	●	●	●
Double Front Towing Hooks	○	○	○	○	○

● Standard ○ Optional



Dimensions (mm)	2533D	3542D		4142D	
	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab	Crew Cab	Day Cab
Wheelbase (B)	3800	3800	3800	4500	5100
Overall Length (G)	7988	7500	7500	8210	8868
Front Overhang (A)	1450	1450	1450	1450	1450
Rear Overhang (F)	1442	900	900	910	968
Distance Between 1st and 2nd Wheel Centers (C)	3781	3800	3800	4500	2050
Distance Between 2nd and 3th Wheel Centers (D)	1315	1350	1350	1350	3050
Distance Between 3th and 4th Wheel Centers (E)	-	-	-	-	1350
Overall Vehicle Width (Excluding Mirrors) (J)	2540	2540	2540	2540	2540
Overall Cab Length (I)	2260	1777	2260	2693	1777
Total Vehicle Height (H)	3133	3160	3126	3207	2927
Turning Radius	9690	9700	9700	9700	11230

	Weights (kg)	1st Axle	2nd Axle	3rd Axle	4rd Axle	Total
2533D (Low Roof Sleeper Cab)	Technically Permissible Weight	7100	12600	10900	-	25000
	Kerb Weight	4892	2111	1608	-	8611
	Payload	2208	10489	9292	-	16389
	Regulatory Permissible Weight	7100	11500	10000	-	25000
3542D (Day Cab)	Technically Permissible Weight	8000	13400	13400	-	34000
	Kerb Weight	5474	2562	2395	-	10430
	Payload	2526	10838	11005	-	23570
	Regulatory Permissible Weight	8000	9500	9500	-	26000
3542D (Low Roof Sleeper Cab)	Technically Permissible Weight	8000	13400	13400	-	34000
	Kerb Weight	5644	2562	2395	-	10600
	Payload	2356	10838	11005	-	23400
	Regulatory Permissible Weight	8000	9500	9500	-	26000
3542D (Crew Cab)	Technically Permissible Weight	8000	13400	13400	-	34000
	Kerb Weight	5705	2727	2494	-	10926
	Payload	2295	10673	10906	-	23074
	Regulatory Permissible Weight	8000	9500	9500	-	26000
4142D (Day Cab)	Technically Permissible Weight	8000	8000	13400	13400	41900
	Kerb Weight	3993	3775	2057	2056	11881
	Payload	4007	4225	11343	11344	30019
	Regulatory Permissible Weight	8000	8000	9500	9500	32000

*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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