



Technical Features

F-LINE Tipper Series

*The vehicle image may differ from the actual vehicle.



Technical Features	1833D	2533D	3545D	4145D		4445XD		
Engine	Day Cab	Low Roof Sleeper Cab	Day Cab	Day Cab	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab	
Type	GEN1.5 Ecotorq Euro 6 115 mm x 144 mm	GEN1.5 Ecotorq Euro 6 115 mm x 144 mm	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	GEN2 Ecotorq Euro 6 130 mm x 160 mm	GEN2 Ecotorq Euro 6 130 mm x 160 mm	
Displacement (cc)	8.974 cm3	8.974 cm3	12.740 cm3	12.740 cm3	12.740 cm3	12.740 cm3	12.740 cm3	
Power PS (kW)	330 PS (243 kW) @ 1900 rpm	330 PS (243 kW) @ 1900 rpm	450 PS (330 kW) @ 1800 rpm	450 PS (330 kW) @ 1800 rpm	450 PS (330 kW) @ 1800 rpm	450 PS (330 kW) @ 1800 rpm	450 PS (330 kW) @ 1800 rpm	
Torque	1400 Nm @ 1200-1650 rpm	1400 Nm @ 1200-1650 rpm	2500 Nm @ 1100-1200 rpm (Off-Road Mode) 2300 Nm @ 1300-1500 rpm (Normal Mode)	2500 Nm @ 1100-1200 rpm (Off-Road Mode) 2300 Nm @ 1300-1500 rpm (Normal Mode)	2500 Nm @ 1100-1200 rpm (Off-Road Mode) 2300 Nm @ 1300-1500 rpm (Normal Mode)	2500 Nm @ 1100-1200 rpm (Off-Road Mode) 2300 Nm @ 1300-1500 rpm (Normal Mode)	2500 Nm @ 1100-1200 rpm (Off-Road Mode) 2300 Nm @ 1300-1500 rpm (Normal Mode)	
Powertrain								
Clutch	430 mm Single Disc	430 mm Single Disc	430 mm Single Disc	430 mm Single Disc	430 mm Single Disc	430 mm Single Disc	430 mm Single Disc	
Transmission / Ratios	Automated: ZF 9AS 1510 TO (9,48 - 0,75) Automated: Fast Gear 9S AMT F9JZ150B (9,472 - 0,733) Manual: Eaton 9S 13209 (9,40 - 0,75)	Automated: ZF 9AS 1510 TO (9,48 - 0,75) Automated: Fast Gear 9S AMT F9JZ150B (9,472 - 0,733) Manual: Eaton 9S 13209 (9,40 - 0,75)	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)	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	Automated: 9 forward + 1 reverse Manual: 9 forward + 1 reverse	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	Automated: 16 forward + 2 reverse	
FDR	4,44	4,44	4,08	4,87	4,87	4,87	4,87	
Axle & Suspension								
Axle Configuration	4x2	6x2	6x4	8x4	8x4	8x4	8x4	
Front Axle	7,5 T	7,5 T	8 T	8 T	8 T	9 T	9 T	
Rear Axle	XSS - 510, 13.5T	XSS - 510, 13.5T	XPT - 330, 16T	XPT - 330, 16T	XPT - 330, 16T	XPT - 330, 16T	XPT - 330, 16T	
Suspension	Parabolic Front Leaf Spring/ Multileaf Spring Rear Mechanical 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/ Mechanical Rear Suspension	Parabolic Front Leaf Spring/ Mechanical Rear 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	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	Front and Rear Drum Brakes	Front and Rear Drum Brakes	Front and Rear Drum Brakes	Front and Rear Drum Brakes	Front and Rear Drum Brakes	Front and Rear Drum Brakes	
Brakes (Front/Rear) (Ø.mm x mm. Length)	410 mm x 200 mm Z-Cam Drum Brake	410 mm x 200 mm Z-Cam Drum Brake	410 mm x 200 mm Z-Cam Drum Brake	410 mm x 200 mm Z-Cam Drum Brake	410 mm x 200 mm, Z-Cam Drum Brake	410 mm x 200 mm, Z-Cam Drum Brake	410 mm x 200 mm, Z-Cam Drum Brake	

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Brakes	Day Cab	Low Roof Sleeper Cab	Day Cab	Day Cab	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab
Engine Brake Power	max. 220 kW (Engine Level)	max. 220 kW (Engine Level)	max. 320 kW (Engine Level)	max. 320 kW (Engine Level)	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	max. 450 kW / continuous 160 kW	max. 450 kW / continuous 160 kW
Fuel & AdBlue Tank							
Fuel Tank	315 L, Right Hand Side, Steel	315 L, Right Hand Side, Steel	315 L, Right Hand Side, Steel	315 L, Right Hand Side, Steel	315 L, Right Hand Side, Steel	315 L, Right Hand Side, Steel	315 L, Right Hand Side, Steel
SCR Tank	55 L	55 L	55 L	55 L	55 L	55 L	55 L
Chassis							
Thickness and Material	U Profile, High Strength, 7 mm Thickness, S355 MC Material	U Profile, High Strength, 7 mm Thickness, S355 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	U Profile, High Strength, 10 mm Thickness, S500 MC Material
Tires							
Front Axle	315/80 R 22,5	315/80 R 22,5	315/80 R 22,5	315/80 R 22,5	315/80 R 22,5	385/65 R 22,5	385/65 R 22,5
Rear Axle	315/80 R 22,5	315/80 R 22,5	315/80 R 22,5	315/80 R 22,5	315/80 R 22,5	13 R 22,5	13 R 22,5
Rims	22.5X9.0 Steel	22.5X9.0 Steel	22.5X9.0 Steel	22.5X9.0 Steel	22.5X9.0 Steel	22.5X11.75 Steel	22.5X11.75 Steel

Standard and Optional Features

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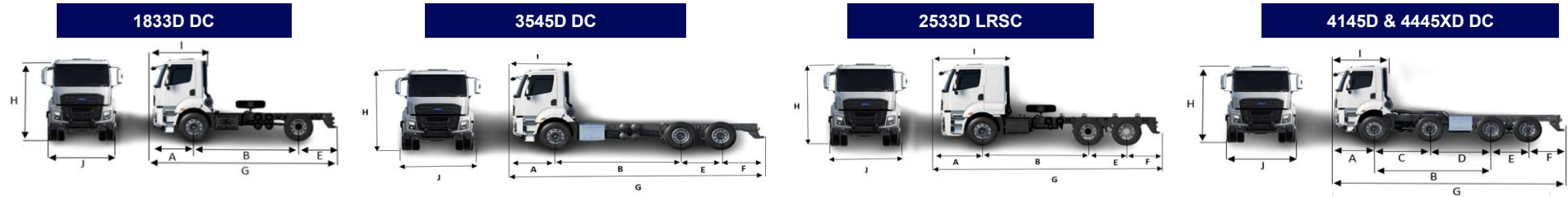
Standard and Optional Features	1833D	2533D	3545D	4145D		4445XD	
Safety & Technology	Day Cab	Low Roof Sleeper Cab	Day Cab	Day Cab	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab
Pre-Collision Assist*	•	•	-	-	-	-	-
Lane Keeping Alert (LDWS)	•	•	•	•	•	•	•
Electronic Stability Program (ESP)	•	•	•	•	•	•	•
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	○	○	-	-	-	-	-
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	○	○	○	○	○	○	○
Driver Facing Camera	•	•	•	•	•	•	•
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	○	•	○	○	•	○	•
Adjustable Steering Wheel	•	•	•	•	•	•	•
Driver Seatbelt Warning System	•	•	•	•	•	•	•
Mattress Topper for Lower Bed	-	○	-	-	○	-	○
Single Bed	-	•	-	-	•	-	•
Power Windows & Remote Height Adjustment	•	•	•	•	•	•	•
Rear Window	○	-	○	○	-	○	-
Bed Side Remote Control System	-	•	-	-	•	-	•
Interior Lighting with Reading and Night Light Functions	-	•	-	-	•	-	•
Multi-Function Remote Control Key, 2 pieces	•	•	•	•	•	•	•

* Without Snow Plough Bracket for 1833D

** Without Snow Plough Bracket and Blade

Standard and Optional Features	1833D	2533D	3545D	4145D		4445XD	
	Day Cab	Low Roof Sleeper Cab	Day Cab	Day Cab	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab
Heated and Electrically Controlled Side Mirrors	●	●	●	●	●	●	●
Reinforced Wheel Rim	-	-	-	○	○	-	-
250L Steel Fuel Tank (Right Side)	-	-	-	○	○	-	-
350L Aluminum Fuel Tank (Right Side)	○	-	-	-	-	-	-
4,87 FDR	-	-	○	●	●	●	●
4,08 FDR	-	-	●	○	○	-	-
4,63 FDR (with Full Trailer Pack - O3)	-	○	-	-	-	-	-
8 Ton Front Axle Capacity	○	○	●	●	●	-	-
4250 mm Wheelbase	○	-	-	-	-	-	-
4350 mm Wheelbase	-	-	-	○	-	○	-
4750 mm Wheelbase (For 1833D it transforms to 1833P)	○	-	-	○	○	-	-
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 & AT Classification ADR Package	○	○	○	-	-	-	-
Full Trailer - O3 (up to 10T towing capability)	○	○	○	○	○	-	-
Full Trailer - O4 (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	●	●	●	●	●	●	●
AGM Battery	○	○	○	○	○	○	○
EFB (240 Ah) Battery	●	●	●	●	●	●	●
Construction Capacity Increase Package (9 ton front axle, 385/65 R 22.5 front tires, Electro-Hydraulic Steering Wheel -EHPAS, 22.5X11.75 Steel)	-	-	○	-	-	●	●
Residual Pack	○	○	-	-	-	-	-
Switchable Air Brake Compressor	-	-	●	●	●	●	●
Smart Tachograph	●	●	●	●	●	●	●
4 Points Independent Cab Suspension	●	●	●	●	●	●	●
Medium Bumper	●	●	-	-	-	-	-
Short Bumper	○	-	●	●	●	●	●
Snow Plower Short Bumper	○	-	○	○	○	-	-
Torque Black Bumper	●	●	●	●	●	●	●
Oil Pan Shield	-	-	-	○	○	○	○
Cold Pack	○	○	○	○	○	○	○
Single Beacon Lamp	○	-	○	○	-	○	-
Double Roof Beacon Lamp (Passenger Side Lamp & Driver Side Infrastructure)	○	○	○	○	○	○	○
Rear Towing Hooks	○	○	○	○	○	○	○
Front Towing Hooks	○	○	●	●	●	●	●
Double Front Towing Hooks	○	○	○	○	○	○	○

● Standard ○ Optional



Dimensions (mm)	1833D	2533D	3545D	4145D		4445XD	
	Day Cab	Low Roof Sleeper Cab	Day Cab	Day Cab	Low Roof Sleeper Cab	Day Cab	Low Roof Sleeper Cab
Wheelbase (B)	3800	3800	3800	5100	5100	5100	5100
Overall Length (G)	6690	7800	7495	8866	8866	8866	8866
Front Overhang (A)	1450	1439	1450	1450	1450	1450	1450
Rear Overhang (F)	1450	1437	905	966	966	966	966
Distance Between 1st and 2nd Wheel Centers (C)	3790	3782	3790	2050	2050	2050	2050
Distance Between 2nd and 3th Wheel Centers (D)	-	1312	1350	3050	3050	3050	3050
Distance Between 3th and 4th Wheel Centers (E)	-	-	-	1350	1350	1350	1350
Overall Vehicle Width (Excluding Mirrors) (J)	2540	2540	2540	2540	2540	2540	2540
Overall Cab Length (I)	1777	2459	1777	1827	2256	1827	2256
Total Vehicle Height (H)	3106	3090	3354	3198	3198	3229	3229
Turning Radius	7900	9690	9700	11230	11230	11230	11230
Useful Chassis Length	4368	5250	5140	6663	6199	6663	6199

	Weights (kg)	1st Axle	2nd Axle	3rd Axle	4rd Axle	Total
1833D (Day Cab)	Technically Permissible Weight	7500	12600	-	-	19000
	Kerb Weight	4822	2361	-	-	7183
	Payload	2678	10239	-	-	11817
	Regulatory Permissible Weight	7500	11500	-	-	18000
2533D (Low Roof Sleeper Cab)	Technically Permissible Weight	7500	12600	10900	-	25000
	Kerb Weight	4957	2138	1565	-	8660
	Payload	2543	10462	9335	-	16340
	Regulatory Permissible Weight	7500	11500	10000	-	25000
3545D (Day Cab)	Technically Permissible Weight	8000	13400	13400	-	34000
	Kerb Weight	5379	2623	2360	-	10362
	Payload	2621	10777	11040		23638
	Regulatory Permissible Weight	8000	9500	9500	-	26000
4145D (Day Cab)	Technically Permissible Weight	8000	8000	13400	13400	41900
	Kerb Weight	3480	4374	2026	1973	11853
	Payload	4520	3626	11374	11427	30047
	Regulatory Permissible Weight	8000	8000	9500	9500	32000
4145D (Low Roof Sleeper Cab)	Technically Permissible Weight	8000	8000	13400	13400	41900
	Kerb Weight	3617	4374	2026	1973	11990
	Payload	4383	3626	11374	11427	29910
	Regulatory Permissible Weight	8000	8000	9500	9500	32000
4445XD (Day Cab)	Technically Permissible Weight	9000	9000	13400	13400	44000
	Kerb Weight	3503	4409	2042	1989	11943
	Payload	5497	4591	11358	11411	32057
	Regulatory Permissible Weight	8000	8000	9500	9500	32000
4445XD (Low Roof Sleeper Cab)	Technically Permissible Weight	9000	9000	13400	13400	44000
	Kerb Weight	3640	4409	2042	1989	12080
	Payload	5360	4591	11358	11411	31920
	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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