

F-SERIES TRUCKS	FRR 500 4X2 FREIGHTER	FSR 700 4X2 FREIGHTER	FTR 800 4X2 DEDICATED TIPPER	FTR 800 4X2 FREIGHTER	FTR 800T 4X2 FREIGHTER
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ENGINE					
TYPE	6HH1-N	6HH1-N	6HH1-S	6HH1-S	6HE1-TC
DISPLACEMENT (cm3)	8,226	8,226	8,226	8,226	7,127
BORE X STROKE (mm)	115 X 132	115 X 132	115 X 132	115 X 132	110 X 125
COMPRESSION RATIO (-:1)	18.5	18.5	18.5	18.5	17.0
ASPIRATION	NATURAL	NATURAL	NATURAL	NATURAL	TURBO CHARGED & INTERCOOLED
POWER (kW @ r/min)	129 @ 2,800	129 @ 2,800	147 @ 2,850	147 @ 2,850	169 @ 2,800
TORQUE (Nm @ r/min)	461 @ 1,700	461 @ 1,700	500 @ 1,700	500 @ 1,700	667 @ 1,700

CLUTCH					
TYPE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE
DIAMETER (mm)	350	350	350	350	380
OPERATION	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC

TRANSMISSION					
MAKE	MBJ6T	MBJ6T	MLD6A	MLD6A	MLD6Q
TYPE	6 SPEED	6 SPEED	6 SPEED	6 SPEED	6 SPEED
RATIO (1ST - TOP GEAR)	6.378 - 0.787	6.378 - 0.787	8.761 - 1.000	8.761 - 1.000	6.720 - 0.763

FRONT AXLE					
TYPE	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM

REAR AXLE					
TYPE	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING
RATIO (-:1)	4.750	6.143	5.571	5.125	6.143

STEERING					
TYPE	POWER STEERING	POWER STEERING	POWER STEERING	POWER STEERING	POWER STEERING

SUSPENSION					
REAR & FRONT CONFIGURATION	MULTI - LEAF SEMI - ELLIPTICAL	MULTI - LEAF SEMI - ELLIPTICAL	MULTI - LEAF SEMI - ELLIPTICAL	MULTI - LEAF SEMI - ELLIPTICAL	MULTI - LEAF SEMI - ELLIPTICAL
SHOCK ABSORBERS	FRONT	FRONT	FRONT	FRONT	FRONT

BRAKES					
TYPE	AIR OVER HYDRAULIC DRUM/DRUM	AIR OVER HYDRAULIC DRUM/DRUM	AIR OVER HYDRAULIC DRUM/DRUM	AIR OVER HYDRAULIC DRUM/DRUM	AIR OVER HYDRAULIC DRUM/DRUM
AUXILIARY	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE

WHEELS & TYRES					
WHEEL SIZE	6,00 GS16	6,50 T20	8,25 X 22,5	8,25 X 22,5	8,25 X 22,5
TYRE SIZE	8,25R16	8,25R20	11R22,5	11R22,5	11R22,5
PLY RATING (FRONT/REAR)	14	14	16	16	16

FUEL TANK					
CAPACITY (LITRES)	200	200	200	200	2X200

ELECTRICAL SYSTEM					
VOLTAGE	24V	24V	24V	24V	24V

PERFORMANCE (SEA LEVEL)					
GRADEABILITY @ GVM (%)	29.1	27.9	30.9	31.9	37.8
MAX. GEARED SPEED (km/h)	113	110.1	97.7	112.9	121.4

DIMENSIONS (mm)					
OL - OVERALL LENGTH	7,220	8,170	6,420	8,520	8,520
OW - OVERALL WIDTH	2,200	2,200	2,400	2,400	2,400
WB - WHEELBASE	4,250	4,770	3,650	5,050	5,050
FOH - FRONT OVERHANG	1,185	1,265	1,270	1,270	1,270
ROH - REAR OVERHANG	1,785	2,135	1,500	2,200	2,200
CE - CAB TO CHASSIS END	5,240	6,190	4,440	6,540	6,540
CA - CAB TO AXLE	3,455	4,055	2,940	4,340	4,340
GP - MIN GAP	140	140	140	140	140
OH - OVERALL VEHICLE HEIGHT	2,550	2,615	2,700	2,700	2,700
AW - FRONT TRACK	1,790	1,800	1,930	1,930	1,930
CW - REAR TRACK	1,660	1,680	1,790	1,790	1,790
EH - CHASSIS REAR END HEIGHT	905	995	1,040	1,045	1,045
CWR - REAR CHASSIS WIDTH	840	840	850	850	850
HH - REAR GROUND CLEARANCE	195	255	250	250	250

MASS DATA (kg)					
TARE - FRONT	1,990	2,320	2,570	2,600	2,730
TARE - REAR	1,090	1,430	1,670	1,780	1,820
TOTAL	3,080	3,750	4,240	4,380	4,550
GA1 AXLE RATING FRONT	3,600	4,900	5,200	5,200	5,200
GA2 AXLE RATING REAR	7,700	7,700	9,200	9,200	9,200
A1 - PERMISSIBLE AXLE LOAD: FRONT	3,600	4,120	5,200	5,200	5,200
A2 - PERMISSIBLE AXLE LOAD: REAR	6,800	7,700	9,000	9,000	9,000
GVM	10,400	12,000	14,000	14,000	14,000
V RATING	10,400	11,820	14,000	14,000	14,000
GCM - D/T	16,000	16,000	22,500	22,500	22,500
APPROX. BODY & PAYLOAD	7,320	8,070	9,760	9,620	9,450



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F-SERIES TRUCKS

FTM 1200T 6X2
FREIGHTER

FVR 900T 4X2
FREIGHTER

GVR 2300T 4X2
T/TRACTOR

FVZ 1400T 6X4
FREIGHTER

FVZ 1600T 6X4
COMPACTOR

FVS 750 4X4
FREIGHTER

ENGINE	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TYPE	6HE1-TC	6SD1 - TC	6SD1 - TC	6SD1 - TC	6SD1 - TC	6HH1 - S
DISPLACEMENT (cm3)	7,127	9,839	9,839	9,839	9,839	8,226
BORE X STROKE (mm)	110 X 125	120 X 145	120 X 145	120 X 145	120 X 145	115 X 132
COMPRESSION RATIO (:1)	17.0	16.5	16.5	16.5	16.5	18.5
ASPIRATION	TURBOCHARGED & INTERCOOLED	TURBOCHARGED & INTERCOOLED	TURBOCHARGED & INTERCOOLED	TURBOCHARGED & INTERCOOLED	TURBOCHARGED & INTERCOOLED	NATURAL
POWER (kW @ r/min)	169 @ 2,800	199 @ 2,200	199 @ 2,200	199 @ 2,200	199 @ 2,200	147 @ 2,850
TORQUE (Nm @ r/min)	667 @ 1,700	1000 @ 1,500	1000 @ 1,500	1000 @ 1,500	1000 @ 1,500	500 @ 1,700

CLUTCH	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TYPE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE	SINGLE DRY PLATE
DIAMETER (mm)	380	380	380	380	380	350
OPERATION	HYDRAULIC	AIR	AIR	AIR	AIR	HYDRAULIC

TRANSMISSION	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
MAKE	MLD6Q	ZF 9S109	ZF 9S109	ZF 9S109	ZF 9S109	MLD7Q
TYPE	6 SPEED	9 SPEED	9 SPEED	9 SPEED	9 SPEED	7 SPEED
RATIO (1ST - TOP GEAR)	6.720 - 0.763	10.240 - 0.740	10.240 - 0.740	10.240 - 0.740	10.240 - 0.740	7.166 - 0.756

FRONT AXLE	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TYPE	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM	REVERSE ELLIOT I-BEAM

REAR AXLE	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TYPE	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING	SINGLE BANJO, FULLY FLOATING
RATIO (:1)	6.143	5.571	5.571	5.571	5.571	6.500

STEERING	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TYPE	POWER STEERING	POWER STEERING	POWER STEERING	POWER STEERING	POWER STEERING	POWER STEERING

SUSPENSION	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
REAR & FRONT	MULTI - LEAF	MULTI - LEAF	MULTI - LEAF	MULTI - LEAF	MULTI - LEAF	MULTI - LEAF
CONFIGURATION	SEMI - ELLIPTICAL	SEMI - ELLIPTICAL	SEMI - ELLIPTICAL	SEMI - ELLIPTICAL	SEMI - ELLIPTICAL	SEMI - ELLIPTICAL
SHOCK ABSORBERS	FRONT & TAG AXLE	FRONT	FRONT & REAR	FRONT	FRONT	FRONT

BRAKES	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TYPE	AIR OVER HYDRAULIC	FULL AIR	FULL AIR	FULL AIR	FULL AIR	AIR OVER HYDRAULIC
FRONT/REAR	DRUM/DRUM	DRUM/DRUM	DRUM/DRUM	DRUM/DRUM	DRUM/DRUM	DRUM/DRUM
AUXILIARY	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE	EXHAUST BRAKE

WHEELS & TYRES	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
WHEEL SIZE	8,25 X 22,5	8,25 X 22,5	8,25 X 22,5	8,25 X 22,5	8,25 X 22,5	7,00 T20
TYRE SIZE	11R22,5	12R22,5	12R22,5	12R22,5	12R22,5	8,25R21
PLY RATING (FRONT/REAR)	16	16	16	16	16	14

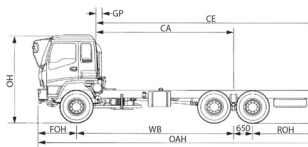
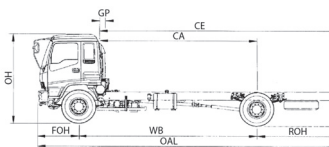
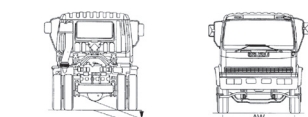
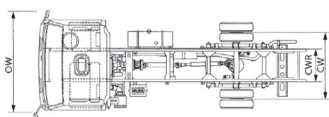
FUEL TANK	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
CAPACITY (LITRES)	2X200	400	400	400	400	180

ELECTRICAL SYSTEM	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
VOLTAGE	24V	24V	24V	24V	24V	24V

PERFORMANCE (SEA LEVEL)	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
GRADEABILITY @ GVM (%)	21.3	54.2	20.6	48.1	48.1	H=31.5 L=75.6
MAX. GEARED SPEED (km/h)	104	104.4	99.7	104	104	112.5

DIMENSIONS (mm)	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
OL - OVERALL LENGTH	10,325	9,270	5,980	9,805	9,805	7,420
OW - OVERALL WIDTH	2,400	2,400	2,400	2,400	2,400	2,460
WB - WHEELBASE	5,725	5,550	3,740	5,700	5,700	4,250
FOH - FRONT OVERHANG	1,270	1,270	1,270	1,270	1,270	1,270
ROH - REAR OVERHANG	2,705	2,450	970	2,125	2,125	1,600
CE - CAB TO CHASSIS END	8,225	7,290	3,450	7,765	7,765	5,435
CA - CAB TO AXLE	4,885	4,840	2,660	4,990	4,990	3,535
GP - MIN GAP	140	295	295	295	295	330
OH - OVERALL VEHICLE HEIGHT	2,715	2,800	2,800	2,800	2,800	3,380
AW - FRONT TRACK	1,930	1,990	1,990	1,990	1,990	1,950
CW - REAR TRACK	1,790	1,855	1,855	1,855	1,855	1,790
EH - CHASSIS REAR END HEIGHT	1,060	1,095	1,080	1,100	1,100	1,204
CWR - REAR CHASSIS WIDTH	850	850	850	850	850	850
HH - REAR GROUND CLEARANCE	265	235	235	270	270	240

MASS DATA (kg)	FTM 1200T 6X2 FREIGHTER	FVR 900T 4X2 FREIGHTER	GVR 2300T 4X2 T/TRACTOR	FVZ 1400T 6X4 FREIGHTER	FVZ 1600T 6X4 COMPACTOR	FVS 750 4X4 FREIGHTER
TARE - FRONT	2,820	3,170	3,050	3,240	3,240	2,855
TARE - REAR	2,960	2,240	2,370	4,040	4,040	1,745
TOTAL	5,780	5,410	5,420	7,280	7,280	4,600
GA1 AXLE RATING FRONT	5,400	7,100	7,100	7,100	7,100	4,700
GA2 AXLE RATING REAR	9,200	10,500	10,500	10,200	10,200	9,200
GA3 AXLE RATING REAR 2ND	10,170			10,200	10,200	
A1 - PERMISSIBLE AXLE LOAD: FRONT	5,400	7,100	7,100	7,100	7,100	4,700
A2 - PERMISSIBLE AXLE LOAD: REAR	9,000	9,000	9,000	9,000	9,000	9,000
A3 - PERMISSIBLE AXLE LOAD: REAR - REAR	9,000			9,000	9,000	
GVM	22,500	16,000	16,000	24,000	26,000	13,000
V RATING	22,500	16,000	16,000	24,000	26,000	13,000
GCM - D/T	NOT TO TOW	32,000	32,000	34,000	34,000	20,500
APPROX. BODY & PAYLOAD	16,720	10,590	N/A	16,720	18,720	8,400



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