



Plated/Design Weight	GVW (Kg)	GTW (Kg)	Front (Kg)	Rear (Kg)
Plated Weight	15990	19490	5800	10900
Design Weight	15990	19490*	6100	11000

* A GTW of 32500kgs is permissible provided a 9 or 12 speed gearbox and the drawbar pack are specified
For Front (Kg) axle capacity upgrade – see Order Guide

Kerb Weight

Weights are for the S model to a standard specification and include water, oils, 5 litres of AdBlue and 20 litres of fuel but exclude driver.
Kerb weights are subject to a manufacturing tolerance of +/- 5%.
For /P model add 155kg to the Rear (Kg) axle kerb weight.
A sleeper cab standard roof adds 100kg (70/30kg) to the kerb weight. A high roof sleeper adds 160kg (120/40kg) to the kerb weight.

Wheelbase (mm)	3105	3690	4185	4455	4815	5175	5670	6570
Front (Kg)	3092	3112	3137	3147	3182	3192	3227	3262
Rear (Kg)	1418	1498	1503	1508	1543	1553	1638	1693
Total (Kg)	4510	4610	4640	4655	4725	4745	4865	4955
Maximum Body/Payload (Kg) @ GVW	11480	11380	11350	11335	11265	11245	11125	11035

Dimensions (mm)

A	Wheelbase	3105	3690	4185	4455	4815	5175	5670	6570
B	Overall length (over bumpers)	5690	6702	7512	7917	8547	9132	9942	11447
C	Front overhang	1362	1362	1362	1362	1362	1362	1362	1362
D	Rear overhang	1313	1740	2055	2190	2460	2685	3000	2735
E	Cab width (over wings)	2420	2420	2420	2420	2420	2420	2420	2420
F	C/line f/axle to back of cabequip	day	385	385	385	385	385	385	385
		sleeper	965	965	965	965	965	965	965
G	Usable frame length	day	3943	4955	5765	6170	6800	7385	8195
		sleeper		4375	5185	5590	6220	6805	7615
H	Cab gap		120	120	120	120	120	120	120
K1	Cab height (unladen*)	std roof	2765	2765	2765	2765	2763	2762	2761
K2		high roof		3420	3420	3420	3417	3415	3415
L1	Frame height at centre line of axle	S	1041	1039	1037	1038	1038	1036	1035
		/P	904	903	903	903	903	903	902
L2	Frame height at end of frame	S	1080	1084	1085	1085	1086	1088	1087
		/P	886	886	886	886	886	886	886
M	Wheel bump clearance		150	150	150	150	150	150	150
	Turning circle (wall to wall)		12340	14080	15540	16340	17400	18480	19940
	* Reduce by 3mm for air suspension models								

Tyres and Wheels	Tyre Size		Tread		Wheels (8 stud)	
	Front	Rear	Front	Rear	Front	Rear
Standard	285/70R19.5	285/70R19.5	On Road	Traction	7.50 x 19.5	7.50 x 19.5
Optional	305/70R19.5	305/70R19.5	On Road	Traction	8.25 x 19.5	8.25 x 19.5
Optional	11R22.5	11R22.5	On/Off Road	On/Off Road	7.50 x 22.5	7.50 x 22.5



Engine	Tector
Type	F4A FE611E°C Euro VI
Operation	Direct injection turbo diesel with intercooler
Number of cylinders	6 in line
Bore x Stroke	104 x 132 mm
Capacity	6728cc
Power (PS/kW) @ rpm	251/185 @ 2050-2500
Torque (Nm/lbft) @ rpm	850/627 @ 1250-2050
Injection	Electronic - Bosch common rail
Air filter	Dry with chassis mounted intake
Compressor	225cc
Compressor / Allison	360cc
Governor	All speed
Cooling fan	Viscostatic
Exhaust	Stainless steel. Hi-e SCR catalyst system
Speed limiter	Driver programmable to 90kph
Engine Immobiliser	Standard
Cruise control	Standard
Radiator guard	Optional

Clutch

Single dry plate with diaphragm spring.
Push type with midi servo. Hydraulic
with air assistance. Diameter: 395mm

Gearbox	Standard	Optional			
Type	6AS800	12 AS 1210	6S800	9S-75 TO	S3000
Operation	Automated	Automated	Manual	Manual	Automatic
1st	6.58	10.369	6.58	9.56	3.49
2nd	3.6	8.428	3.6	6.47	1.86
3rd	2.12	6.487	2.12	4.72	1.41
4th	1.39	5.273	1.39	3.5	1
5th	1	4.182	1	2.54	0.75
6th	0.78	3.339	0.78	1.85	
7th		2.48		1.35	
8th		2.015		1	
9th		1.551		0.73	
10th		1.261	6.06		
11th		1			
12th		0.813			
Reverse	6.06	10.561	6.06	8.53	5.03
2nd Reverse		8.584			

Performance (std tyres)

with ZF 6AS800 & 6S800 gearbox

Axle ratios available	4.3	4.1	4.56	4.89
Geared speed (mph)	76	80	72	67
Gradeability % @ GVW	33	32	36	39
Gradeability % @ 19490 Kg	27	26	29	31

with ZF 12 AS 1210 gearbox

Axle ratios available	3.73	3.91	4.1	4.3
Geared speed (mph)	84	80	76	73
Gradeability % @ GVW	+40	+40	+40	+40
Gradeability % @ 19490 Kg	38	+40	+40	+40
Gradeability % @ 32500 Kg	22	23	24	25

with ZF 9S-75TO gearbox

Axle ratios available	4.56	4.3	4.89	5.125
Geared speed (mph)	76	81	71	68
Gradeability % @ GVW	+40	+40	+40	+40
Gradeability % @ 19490 Kg	+40	+40	+40	+40
Gradeability % @ 32500 Kg	25	23	27	28

with Allison S3000 gearbox

Axle ratios available	4.56	4.3	5.125
Geared speed (mph)	74	79	66
Gradeability % @ GVW	18	17	20
Gradeability % @ 19490 Kg	15	14	17

Cab Equipment

Day cab Interior:

Forward control MLC day cab. 3-way adjustable driver's seat with integral head restraint and seatbelt. Dual fixed passenger seat with 50/50 split back rest with seatbelts. Overhead lockers with doors. Windowless rear cab wall with document storage. Large storage shelf on passenger side. 4-speed fan air flow up to 500m³/hr. 10kw output. All gauges monitored using international symbols. Automatic electronic 2-man digital 24hr tachograph. Speedometer with dual scale instrumentation. Left and right hand entry assist handles. Fully adjustable steering column. Dash mounted gear selection switches for automated gearbox. Column mounted control stalks. Overhead console for radio/CB. Courtesy and map reading lights. Engine immobiliser. Handbrake warning buzzer. Drivers seatbelt warning buzzer.

Sleeper Cab Interior:

Forward control MLL sleeper cab. Driver's seat as Day Cab. Single two way adjustable passenger seat with integral head restraint and seatbelt. Opening roof vent. Single low level bunk, protection net and curtains to enclose entire cab area. Bed module incorporating an alarm and controlling major electrical functions (lighting, windows etc)

High Roof Sleeper Cab Interior:

As sleeper cab plus increased interior height, extra storage space in enclosed and open lockers and rear shelf. Electric roof hatch.

Day Cab Exterior:

Suspension – helical springs and dampers. Hydraulic tilt to 60 deg. Pressed steel construction with injection moulded vulnerable parts. Electric door windows and laminated screen. Heated rear view mirrors to EEC 2003/97 and 2005/27, including 2 wide angle, 1 kerb view and 1 front view mirror.

Sleeper Cab Exterior:

Exterior as day cab, plus twin 130 litre stowage lockers with both internal and external access and electrically operated release switches incorporated into the seat bases.
Opening roof vent.

High Roof Sleeper Cab Exterior:

Aerodynamically shaped high roof, constructed of IMP (Injection Moulded Plastic), in cab colour with an electrically operated glass roof vent.

The information in this literature is intended to be of a general nature only. Iveco Ltd reserves the right to modify or change specification at any time. For further information please consult your dealer. PD/AP/AD ML160E25 Truck 19/12/2013

Front Axle

Type	Iveco 5860 wide I beam
Steering angle	Max 52°

Rear Axle

Type	MS 10-164 hypoid
Standard ratios	4.56 (6S800 and 6AS800 Gearboxes) 4.89 (9S-75TD Gearbox) 5.63 (Allison S2500 Gearbox)
Diff lock	Optional

Chassis

Construction	Ladder frame with pressed steel side members and riveted and bolted cross members. Towing eye incorporated in front bumper.
Dimensions	240 x 70 x 5 mm (from 3690 mm wheelbase: 240 x 70 x 6 mm) (from 4815 mm wheelbase: 240 x 70 x 6.7 mm) (from 5670 mm wheelbase: 240 x 70 x 7.7 mm)
Underrun	Standard front and optional rear
Fuel tank	120 litre plastic, with locking cap
AdBlue tank	30 litre plastic, with locking cap

Suspension

Type	Parabolic leaf front and rear		
Leaf dimensions:	Length (mm)	Width (mm)	No.
Front	1758	80	3
Rear	1680	80	3
Helper	1620	80	1
Shock absorbers and anti-roll bar front and rear.			
Suspension (P)			
Rear air Suspension with 4 airbags and automatic height levelling.			
Chassis height regulation with remote control from the cab.			
Maximum raise/lower +120 / -75 mm.			
Shock absorbers and anti-roll bar front and rear.			

Electrics

Type	24v negative earth return
Alternator	28V, 70A
Starter	24V, 4.0 kW
Batteries	2 x 12V, 143 Ah
Isolation switch	Electronically sensed and controlled
	All circuits protected by fuses
	CAN line data bus system

Brakes

Type	EBL - Vertically split full air
Front	377mm ventilated disc
Rear	377mm ventilated disc
Surface area	602cm2
ABS system	Wabco pneumatic
ESP	Standard
Parking	Spring parking brake on rear axle
Exhaust brake	Standard (multi function)
Air drier	Standard

Optional Axle Plating

Front	6100 Kg
Rear	11000 Kg
Only in combination with appropriate tyres	

Power assisted steering

Steering wheel	470mm diameter
Column	Adjustable by 50mm (height) and 17 deg (inclination)
Steering column lock	Standard