

ENGINE

Cummins I5-Litre ISX (ADR 80/03)
EGR (Exhaust Gas Recirculation)
Type: Turbocharged, aftercooled, electronically direct injected fourstroke diesel
Compression Ratio: 17.1:1
Number of cylinders: 6
RAC HP rating: 67.8
Total displacement: 14.9 litres
Maximum output: 485hp/362kW @ 2000rpm
Maximum torque: 1850lb ft/2508Nm @ 1400rpm
Dry-element air cleaner
Single, gantry mounted Diesel Particulate Filter (DPF) on LHS (not available with 4650mm wheelbase)
Single, orizontal Diesel Particulate Filter (only available with 4650mm wheelbase)
Optional Engine Ratings
525hp/392kw & 1850lb ft/2508Nm
550hp/410kw & 1850lb ft/2508Nm

TRANSMISSION

Eaton Roadranger RTLO-20918B 18-speed overdrive
Optional: IVECO EuroTronic II 16AS2630 TO OD automated 16-speed overdrive
Two-pedal operation with automatic or manual shift control (Rev: 13.07/10.81:1, 1st:14.12:1, 16th: 0.83:1)
With oil cooler

REAR AXLE

Meritor RT46-160GP
Capacity: 20.9 tonnes
Ratios: 3.58, 3.73, 4.10 (with Eurotronic Transmission)
Ratios: 4.10, 4.30, 4.56, 4.89 (With Eaton Roadranger Transmission)
Driver controlled differential locks
Optional:
Meritor RT50-160GP

REAR SUSPENSION

Hendrickson Primaax PAX 462
Type: Air
Capacity: 18.0 tonnes

CLUTCH

With Eurotronic Transmission: Self-adjusting single-plate with air assisted hydraulic actuation
Diameter: 430mm
With Eaton Roadranger Transmission: Spicer Twin Plate Easy Pedal with Hydraulic and Air Assist (with Pre-Damper)
Diameter: 394mm

FRONT AXLE

IVECO 5876
Type: Forged steel I-beam
Capacity: 7.5 tonnes

FRONT SUSPENSION

Type: Three-leaf parabolic springs
Double acting telescopic shock absorbers
Capacity: 7.0 tonnes

BRAKES

Type: 2-circuit air system
Front: 432mm Knorr disc brakes
Rear: Meritor S-Cam 419mm diameter x 178mm drum brakes with automatic slack adjusters
Brake lining area: 5600cm²
Optional:
Knorr SN7 Rear Disc Brakes on rear axles
100-litre aluminium air reservoirs

Dessicant type air dryer/pressure regulator
Semi-trailer air connections
Wabco E 4-channel ABS/EBL with ASR
Trailer ABS facility

STEERING

Sheppard M110 power-assisted with gear-driven pump
460mm diameter adjustable steering wheel

FUEL SYSTEM

Aluminium tanks
2 x 450 litres of fuel = 900 litres
Fuel Pro primary filter
Optional:
Round 1 x 450 litres + 1 x 200 litres fuel/250 litres oil = 900 litres
Square 2 x 500 litres = 1000 litres
Square 4 x 500 litres = 2000 litres (Prime Mover with 4800mm Wheelbase only)
2 x 360L Supplementary Round Tanks (Prime Mover with 4800mm Wheelbase only)
Square 2 x 500 litres + 1 x 400 litres = 1400 litres (Prime Mover with 4650mm Wheelbase only)

CHASSIS

Type: 257x89x8mm parallel-section high-tensile steel channel
Yield strength: 760 MPa
Section modulus: 243cm³
Tapered rear of frame with fifth wheel mounting angles
Polished Alloy Bumper with Fog and Driving lights, covers & FUPD
Optional:
Square end of frame with trailer connections to ROF
Deckplate
Polished aluminium bull bar with Fog and Driving lights, covers & FUPD
No front bumper or FUPD (ready for aftermarket bulbar fitment)

ELECTRICAL SYSTEM

Type: 24-Volt, negative to earth
Multiplex computerised CANBUS integrated wiring and systems control network with centralised colour display, controls and diagnostics
Batteries: 4 x 560 amps SAE cold cranking current per battery, with remote isolation switch mounted behind cab
Alternator: 24V, 90 amps
Headlamps: 70/75 watt, with covers
Rear flood light
Semi-trailer HD ISO 7-pin socket
12 Volt power outlet in dash
Cab marker lights
Trailer connections
24-12 Volt converter for trailer lighting
70 Watt fog and driving lamps with covers
Tail light brackets and mudflaps

WHEELS AND TYRES

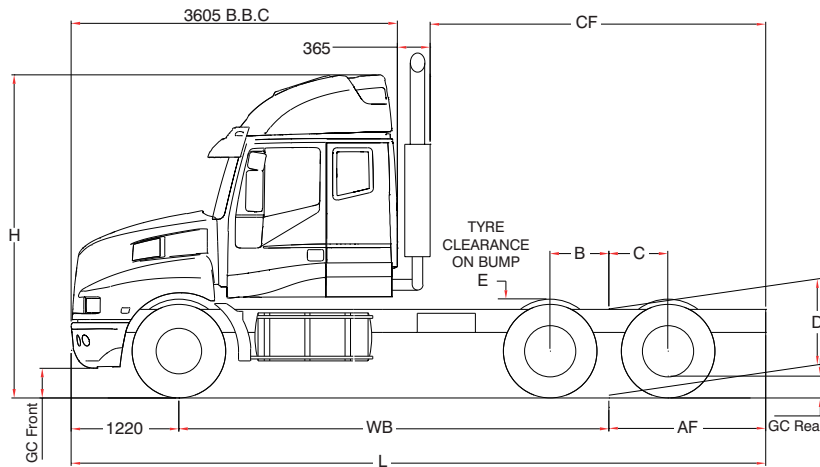
Wheels: 8.25DC x 22.5 10-stud 335mm steel disc
Front tyres: Dunlop SP350* 295/80R22.5
Rear: Dunlop SP431A*, 11R22.5
Optional:
Alcoa 8.25DC x 22.5 10 stud 335mm PCD alloy disc
Plain or Durabright finish
**or different brand, equivalent model.*

COOLING SYSTEM

Radiator frontal area: 10830cm²
Charge air cooler frontal area: 6840cm²

DRIVELINE

Spicer 1810 Series main driveline with Spicer 1710 Series interaxle Dana SPL-250 Driveshafts



CAB CONSTRUCTION

IVECO Active Time 2280mm wide, 3605mm BBC all steel, conventional control sleeper cab with low roof. Four-point cab mounting system with air suspension and dampers at rear.

FEATURES

Active Time sleeper bunk with 2120mm x 746mm lower sleeper bunk with 160mm thick mattress. Privacy curtains for windows and bunk area. Lockers below lower bunk. External stowage lockers under sleeper both sides. Stowage lockers in overhead console above windscreen. Fully adjustable ISRI self levelling air suspension driver's seat with headrest, adjustable shock absorber and integral lap-sash retractor seat belt. Fixed passenger seat with lap sash retractor seat belt. 90° opening doors with electrically operated window.

Optional:

ISRI self levelling air suspension passenger seat with headrest, adjustable shock absorber and integral lap-sash retractor seat belt. Leather air suspended driver seat & leather air suspended passenger seat.

ACCESSORIES

Two internal sun visors with shade cloth blinds on side window. Dark grey acrylic exterior sunvisor. Aerodynamic powered and heated mirrors, with a flat and convex spotter mirror on each side and a kerb view mirror on the passenger side. Climate control Air conditioning. Heater demister with 4-speed fan. Demist ducts to door glasses. 2-speed and intermittent action twin windscreen wipers/washers. AM/FM radio/CD player with steering wheel controls. Dual roof-mounted air horns. Iveco Colour Display (ICD) instrument panel with Electronic speedometer and tachometer; fuel level gauge, engine coolant temperature gauge, and ICD displays for air pressure, system voltage, engine oil level, pressure and temperature, engine coolant temperature. Warning lights in ICD for power divider, difflocks, park brake, engine brake, high beam, fog and driving lights, parking lights, turn signal, hazard lights, low air pressure, brake system fault, park brake, mirror heaters. The ICD also gives information on Hi-Fi settings and control, Clock and alarm settings, trip data and trip computer, diagnostics, mirror adjustments and Eurotronic transmission functions.

Air controls mounted in centre dash console for park brake, inter-axle locks cross-diff locks and rear air suspension dump.

Cruise control. Gear control lever on steering column.

Optional:

Aerodynamic roof deflectors and cab side extenders.

FINISH

White painted cab and bumper with grey fenders. Cab treated with anti-corrosion protection and metallic joints treated with vinyl sealant Insulation on cab underbody.

MASS RATINGS

GVM 25.0 tonnes

GCM 90.0 tonnes (Optional 106.0 tonnes on Application Approval)

Chassis mass front 5.19 tonnes

Chassis mass rear 4.09 tonnes

Chassis mass total 9.28 tonnes

Chassis with oil and coolant, but no fuel, spare wheel or tyre.

SUSPENSION (Dimensions in mm)

	B	C	D Laden	D Unladen	E
PAX462	658	665	1005	1030	105

CHASSIS DIMENSIONS (Dimensions in mm)

WB	4650	4800	5000 (Tipper)
GC (Front)	273	273	273
GC (Rear)	242	242	242
AF	1420	1420	1800
CF	3685	3470	4050
L	7290	7440	8020
Turning circle**	17000	17200	17900

**For wall to wall, add 850mm

CAB DIMENSIONS (Dimensions in mm)

	H	H (aero kit)
Low roof sleeper	3030	4050

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