CAPABILITY
Up to 140 tonne GCM, 600hp and 18 speed Eaton Roadranger, so no matter what you’re hauling the 7800 has the tools to get it done.

COMFORT & ERGONOMICS
Spacious 56 inch fully integrated sleeper cab with numerous storage compartments. ISRI air suspended drivers seat.

HANDLING
NECO cantilever suspension provides reliability and handling in off-highway application. Superior wheel cut angle makes turning a breeze.

AUSTRALIAN MADE
Designed and built here in Australia to endure harsh conditions, the Powerstar 7800 is born to do the tough stuff.

PRODUCTIVITY
Set forward front axle to maximise load capacities. Enlarged engine cooling package to ensure you get the job done.

PERFORMANCE
Cummins 15-Litre ISX or Signature Engines
Up to 600hp and 2050 lb ft of torque
Engine Brake Performance of 600 Retarding Horsepower at 2100rpm

ENGINE
Cummins 15-Litre 6 cylinder ISX (ADR 80/03)

<table>
<thead>
<tr>
<th>Max Output</th>
<th>Total Displacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cummins ISX 550hp</td>
<td>14.9 litres</td>
</tr>
<tr>
<td>Cummins ISX 600hp</td>
<td></td>
</tr>
<tr>
<td>Cummins Signature 600hp</td>
<td></td>
</tr>
</tbody>
</table>

**Optional Engine Ratings**
- ISX 600hp/447kW & 1850lb ft/2508Nm
- Signature 600hp/447kW & 2050lb ft/2770Nm

Two dry-element air cleaners (11”) with two precleaners. Single, vertical gantry mounted Diesel Particulate Filter (DPF) on LHS.
COMFORT & ERGONOMICS

NEW DASHBOARD WITH ERGONOMICALLY POSITIONED, EASY-TO-REACH CONTROLS

THREE SLEEPER CAB VERSIONS
MECHANICAL CANTILEVER REAR SUSPENSION
SUPERIOR OFF HIGHWAY COMFORT
**CHASSIS DIMENSIONS (mm)**

<table>
<thead>
<tr>
<th>WB</th>
<th>AF</th>
<th>GC (Front)</th>
<th>GC (Rear)</th>
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</thead>
<tbody>
<tr>
<td>6000</td>
<td>1473</td>
<td>260</td>
<td>200</td>
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</tbody>
</table>

**CAB DIMENSIONS (mm)**

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<th>WB</th>
<th>AF</th>
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<th>GC (Rear)</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>1053</td>
<td>1101</td>
<td>80</td>
</tr>
</tbody>
</table>

**SUSPENSION (mm)**

<table>
<thead>
<tr>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>699</td>
<td>702</td>
<td>1053</td>
<td>1101</td>
</tr>
</tbody>
</table>

**MASS RATINGS**

- GVM 28.2 tonnes
- GCM 140.0 tonnes
- Chassis mass front 5.8 tonnes
- Chassis mass rear 5.4 tonnes
- Chassis mass total 11.2 tonnes

*Chassis with oil and coolant, but no fuel, spare wheel or tyre, no driver or passenger. Weights may vary pending wheel and sleeper cab options.

**CLUTCH**

- Eaton Easy Pedal Advantage twin plate
- Hydraulic and air assist
- Diameter: 394mm

**FRONT AXLE & SUSPENSION**

- Meritor MFS
- Axle Type: Forged steel I-beam
- Capacity: 7.3 tonnes
- Suspension Type: Multileaf springs double acting telescopic shock absorbers
- Capacity: 7.5 tonnes

**REAR AXLE & SUSPENSION**

- Meritor RT52-185
- Capacity: 20.9 tonnes
- Ratio: 4.56 or 4.89
- Driver controlled differential locks on rear/rear only
- Suspension Type: IVECO Cantilever
- Capacity: 22.0 tonnes

**STEERING**

- Sheppard M110 power-assisted with gear-driven pump
- 460mm diameter adjustable steering wheel with pneumatic floor release switch

**FUEL SYSTEM**

- 4 x 450 litre aluminium round tanks

**TRANSMISSION**

- Eaton Roadranger RTLO-20918B 18-speed overdrive
- Optional: Eaton Roadranger RTLO-22918B 18-speed overdrive

**CHASSIS**

- Type: 273 x 89 x 9.5mm parallel-section high-tensile steel channel with full length C-channel reinforcement 251 x 73 x 6.35mm
- Tapered rear of frame with fifth wheel mounting angles
- Without front bumper (ready for aftermarket bullbar fitment) with FUPS
- Optional: Polished four post aluminium bullbar

**COOLING SYSTEM**

- Radiator frontal area: 1930in²
- Charge air cooler frontal area: 941in²

**DRIVELINE**

- Dana SPL-250 Driveshafts

**CAB FEATURES**

- IVECO Integrated 56" Comfort Sleeper Cab including inner spring mattress (1950mm x 800mm x 200mm)
- Privacy curtains for bunk area, lockers below bunk, external stowage lockers under sleeper (both sides), stowage lockers in overhead console above windscreens and fridge provision under bunk
- Five point cab mounting system with air suspension and dampers at rear.
- Optional: Aerodynamic roof deflectors and cab side extenders
- Premium Sleeper Cab – includes bunk and cabinets
- Executive Sleeper Cab – includes bunk, cabinets, LCD flat screen TV/DVD and Engel fridge

**SEATS**

- Fully adjustable ISRI self levelling air suspended driver’s seat with headrest and armrest, lumbar support, adjustable shock absorber and integrated lap sash seat belt
- Fixed ISRI passenger seat with integrated lap sash seat belt
- Optional: ISRI Big Boy Driver Seat
- Leather driver and passenger seat
- ISRI air suspended passenger seat

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- Leather driver and passenger seat
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**WHEELS & TYRES**

- Wheels: Alcoa® 8.25DC x 22.5 10-stud 285mm PCD alloy
- Front tyres: Goodyear® 385/65R22.5 LHS II
- Rear: Goodyear®11R22.5 G367
- Optional: Alcoa® 8.25DC x 22.5
- Plain or Durabright finish
- Cast six spoke spider wheels

**ELECTRICAL SYSTEM**

- Type: 24-Volt
- Multiplex computerised CANBUS integrated wiring and systems control network with centralised colour display, controls and diagnostics
- Batteries: 4 x 620 amp
- Alternator: 24V, 140 amp
- Semi-trailer HD ISO 7-pin socket

**BRAKES**

- Type: 2-circuit air system
- Front: Meritor S-Cam 419mm diameter x 152mm drum brakes with automatic slack adjusters
- Rear: Meritor S-Cam 419mm diameter x 178mm drum brakes with automatic slack adjusters
- Air dryer Turbo 2000
- Air connections at back of cab & rear of frame
- Wabco E 4-channel ABS with ASA
- Trailer ABS facility

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