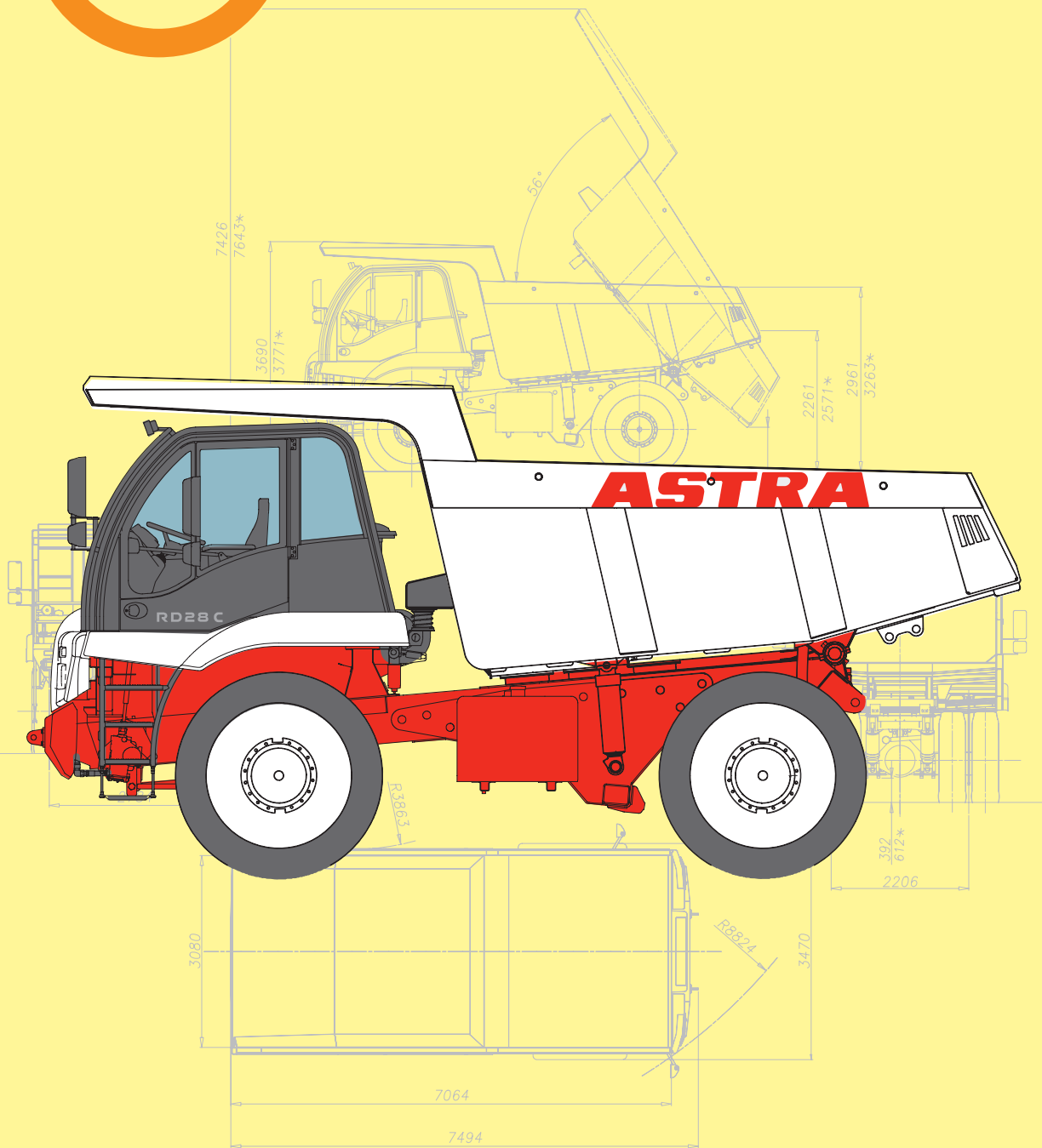




RD 28C

Rigid Dumper



- Engine Iveco Cursor 10 **TIER 3**
- Power 260kW (353 hp)
- G.V.W. 48.000 kg
- Payload 28.000 kg (31 Sht)
- Capacity Struck 14,2 m³ (18,5 yd³)
- Heaped (SAE 2:1) 17,5 m³ (22,8 yd³)

ENGLISH
11-2009



ENGINE

Diesel cycle with 6 cylinders in line, direct electronic injection, pump injectors, turbo charger with intercooler, variable geometry turbine.

Emissions : EPA - CARB - OFF ROAD TIER 3

Make and type: IVECO CURSOR 10-F3A

Bore x stroke: 125x140 mm (4.9"x5.5")

Total displacement: 10300 cm³

Max power: 260 KW (353 HP) @ 1900 rpm

Max torque: 1650 Nm (168 Kgm) @ 1140 rpm

Integrated engine brake: Iveco Turbo Brake

Cold start - 25° C



PERFORMANCE

With standard 16.00R25 tyres

| gears | gears ratio | Km/h | mph |
|-------|-------------|------|------|
| 1 | 4,70 | 8,3 | 5.1 |
| 2 | 2,21 | 17,6 | 10.9 |
| 3 | 1,53 | 25,4 | 15.7 |
| 4 | 1,00 | 38,8 | 24.1 |
| 5 | 0,76 | 51,1 | 31.7 |
| 6 | 0,67 | 58,0 | 36.0 |
| 1 RM | 5,55 | 7,0 | 4.3 |



TRANSMISSION

Automatic transmission Allison HD4560, 6 forward speeds and one reverse.

ECO (energy saving) or POWER (performance boosting) selectable modes.

On request: gearbox integrated hydraulic retarder.



REAR AXLE

KESSLER axle.

Double reduction: central by crown wheel and pinion and final in wheel hubs by epicyclic gearing

Central reduction ratio: 1:2,43

Final reduction ratio: 1:6,00

Total reduction ratio: 1:14,58



TYRES

Steel rim:..... 11.25-25/2.0"

Tubeless radial tyres:..... 16,00R25

On request: Tubeless rock tyres 16,00R25.



STEERING

Complies with ISO 5010, SAE J1511

Hydraulic power steering with double action cylinder.

Gear pump with flow regulator in tandem with tipping pump.

Max working pressure: 170 Bar (17 Mpa).

Radial piston emergency pump driven by the transmission.

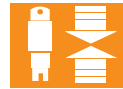
Adjustable steering column/wheel in height and inclination.



BRAKES

Independent circuits, in compliance with ISO 3450. Disk brakes with two callipers per axle. Hydraulic control with engine controlled gear pump and two pressure accumulators.

Parking brake: pneumatic disk brake on transmission shaft, rear axle power take-off Electronic integrated Engine Brake (std) and hydraulic retarder (opt.) engagement (4-position lever).



SUSPENSIONS

Front: independent steering wheels, hydro-pneumatic suspension cylinders (oil-nitrogen) acting as suspension/shock absorber.

Rear: semi-independent with three reaction rods and Panhard type cross bar. Two hydro-pneumatic cylinders (oil/nitrogen) acting as suspension/shock absorber.

Optional: front suspension inflation kit .



ELECTRICAL SYSTEM

2 batteries: 12 V/170 Ah

Voltage: 24 V

Alternator: 90 A

Starter motor : 4.5 kW

All wires are coded, covered and fastened to the chassis.

CAN bus Simple-Mux system between engine control unit, gearbox, body computer and input/output device. New Black Box able to manage 140 records for each memory area. New cluster with high definition multifunctional colour display.

On request: rear view camera with cluster integrated display.



PNEUMATIC SYSTEM

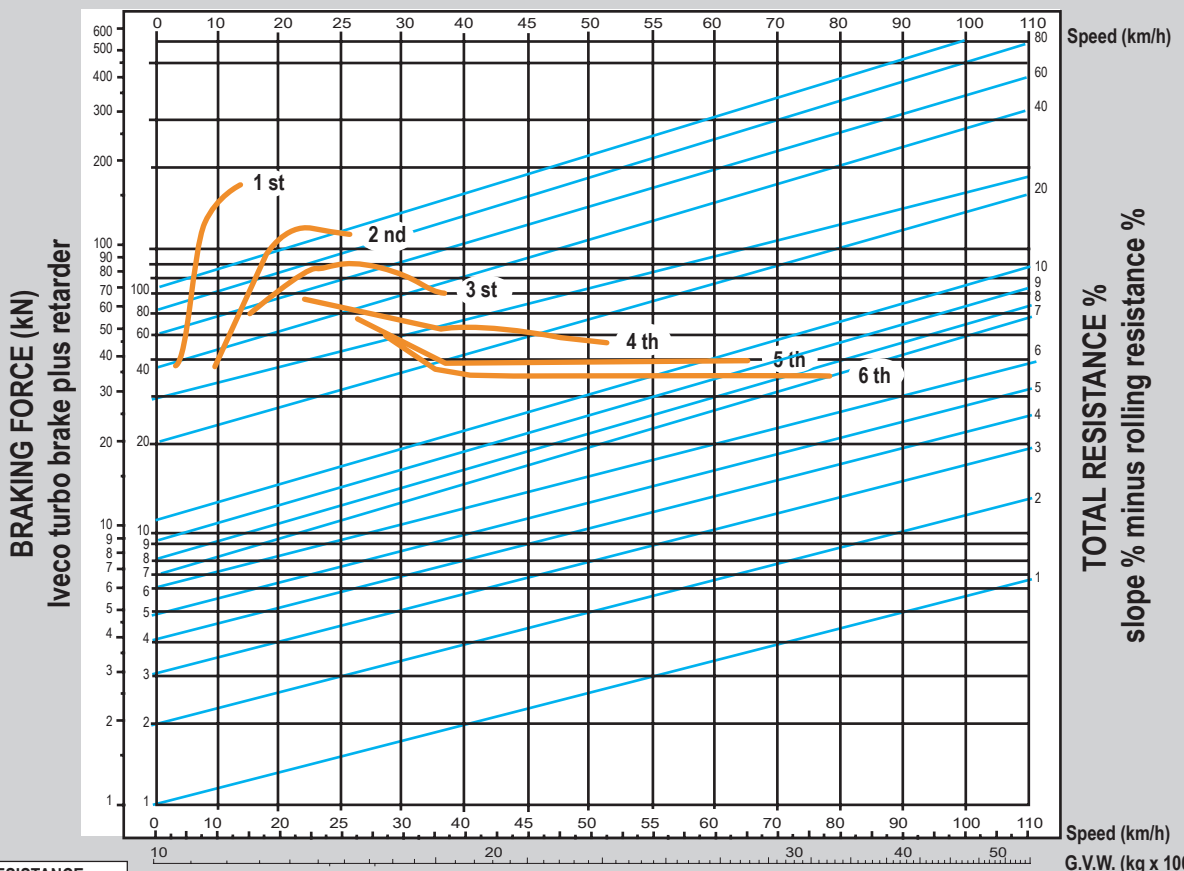
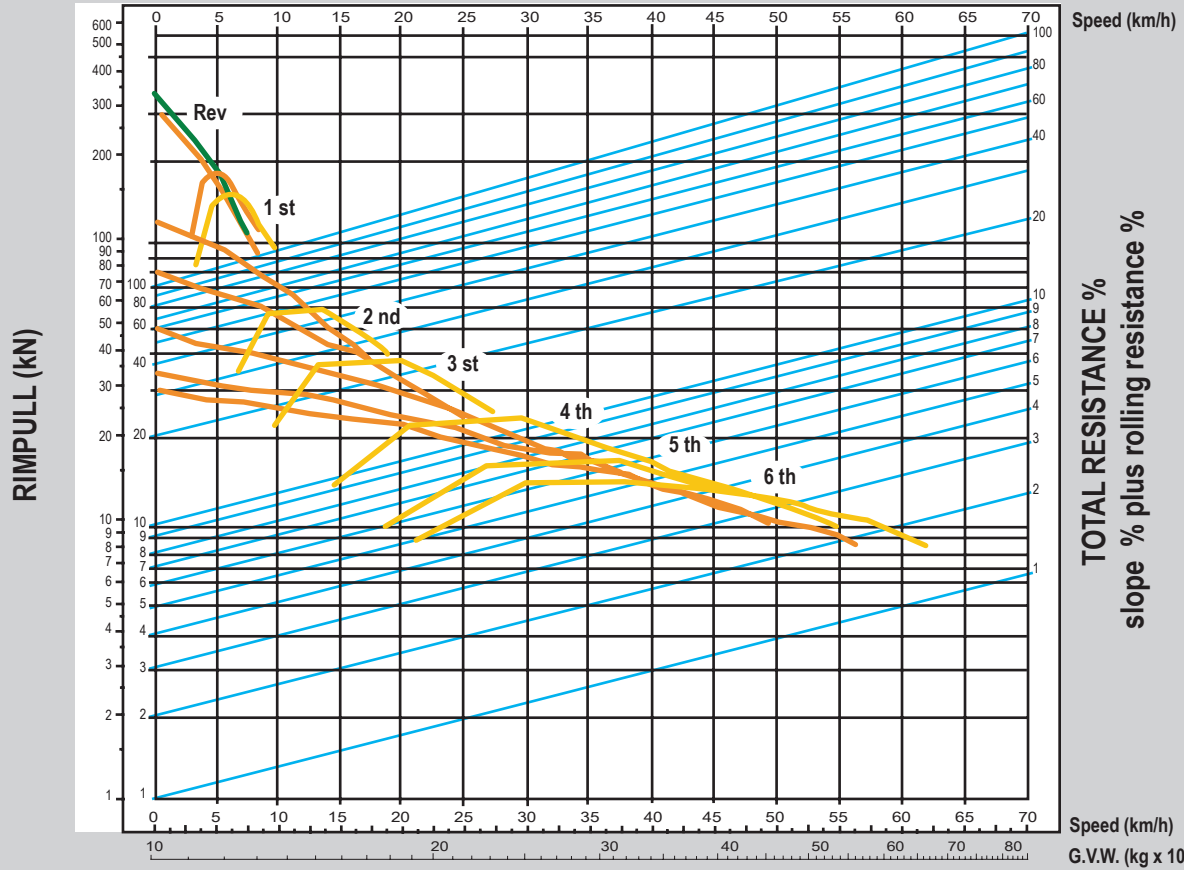
Single cylinder compressor.

Air dryer.

Air tanks (l) 20+5

Pneumatic circuit for parking brake, suspension seat, horn and air take up in the cab.

To determine gradeability performance, read the G.V.W. down to the percent of total resistance. From this point, read horizontally to the curve with the highest obtainable gear, then down to the maximum speed.



| ROLLING RESISTANCE | | |
|-----------------------|--------------------|-------|
| Road surface features | for gross weight t | in % |
| Black top - Concrete | 15kg | 1,5% |
| Hard packed soil | 20kg | 2,0% |
| Mud on packed soil | 40kg | 4,0% |
| Packed snow | 25kg | 2,5% |
| Soft snow | 45kg | 4,5% |
| Sand - Gravel | 100kg | 10,0% |

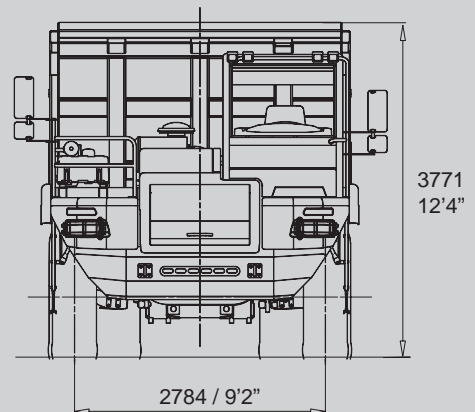
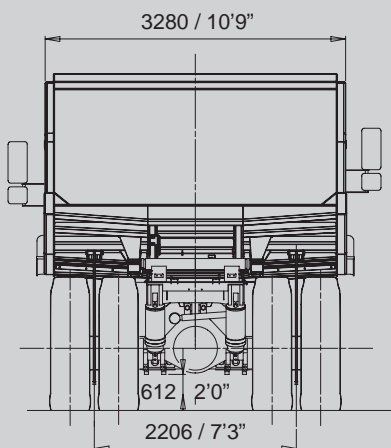
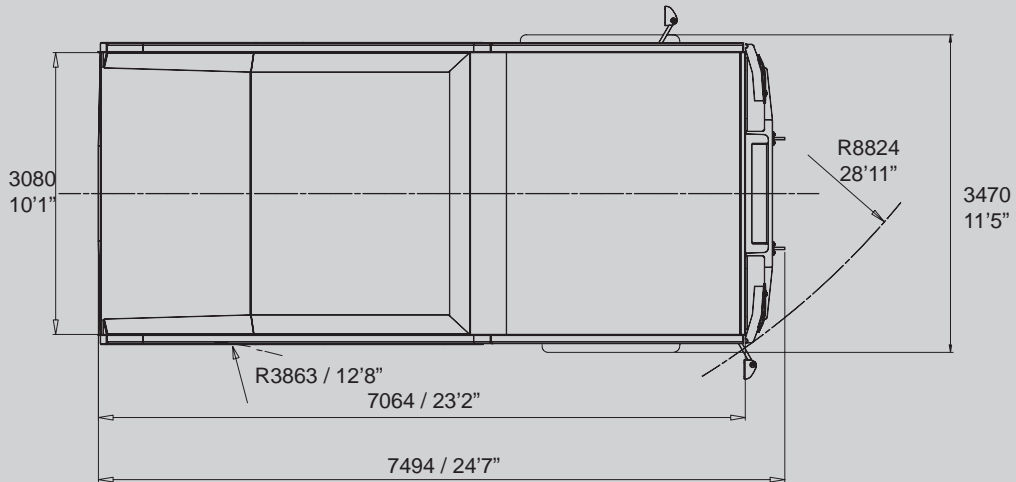
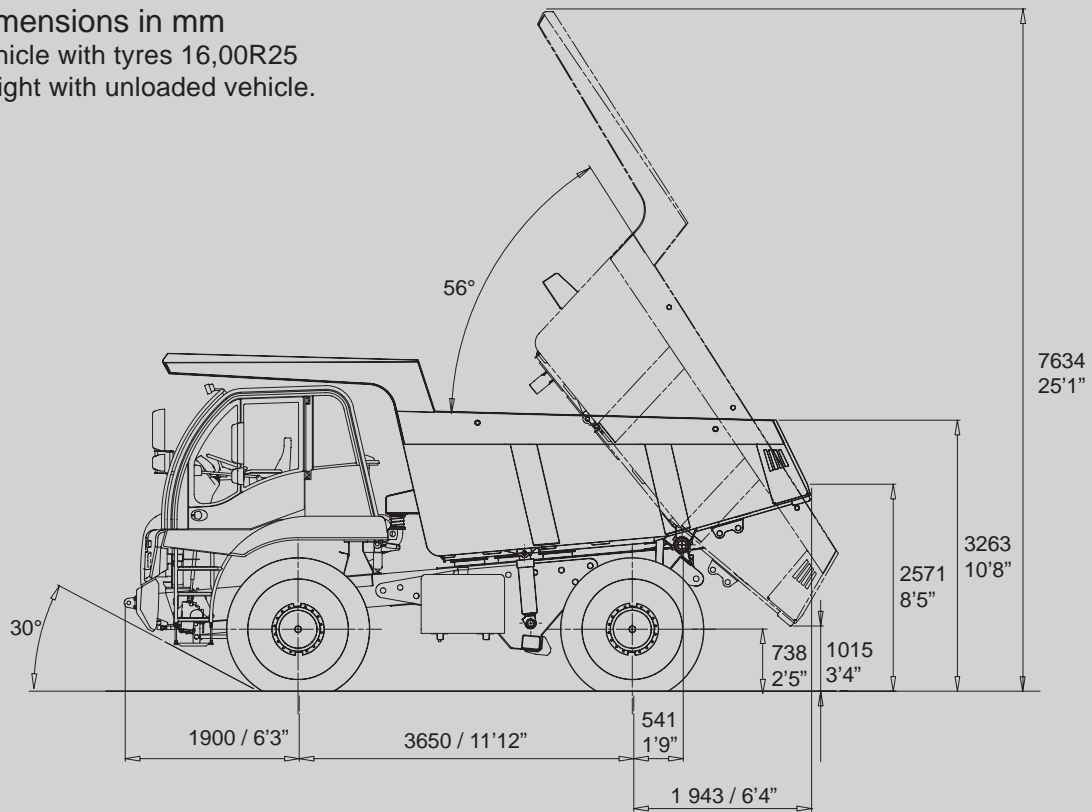
To determine retarding performance, read the G.V.W. down to the percent effective grade. From this point, read horizontally to the curve with the highest obtainable gear, then down to the maximum descent speed brakes can properly handle without exceeding cooling capacity.

Rigid Dumper RD 28C

Dimensions in mm

Vehicle with tyres 16,00R25

Height with unloaded vehicle.





Rigid Dumper **RD 28C**



Characteristics and equipment are subject to changes without prior notice

M.K.T.- 11.09- A3502000

ASTRA Veicoli Industriali S.p.A. DEALER

Via Caorsana, 79
29122 Piacenza (Italy)
Tel. ++39-523.5431
Fax ++39 523.591773
www.astraspa.com