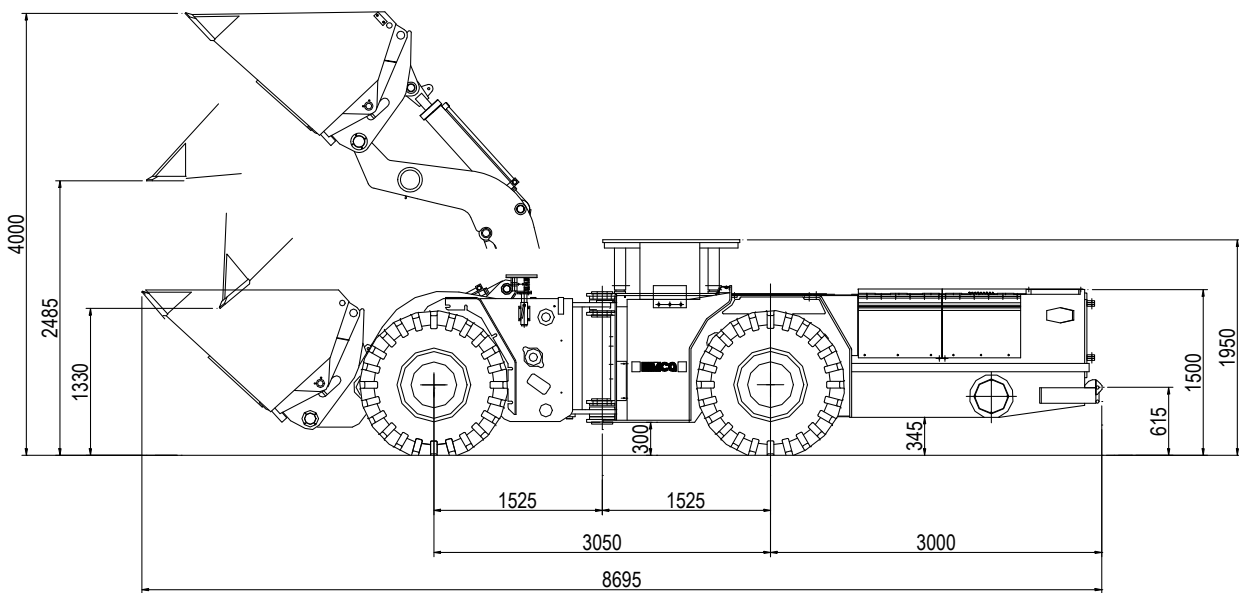
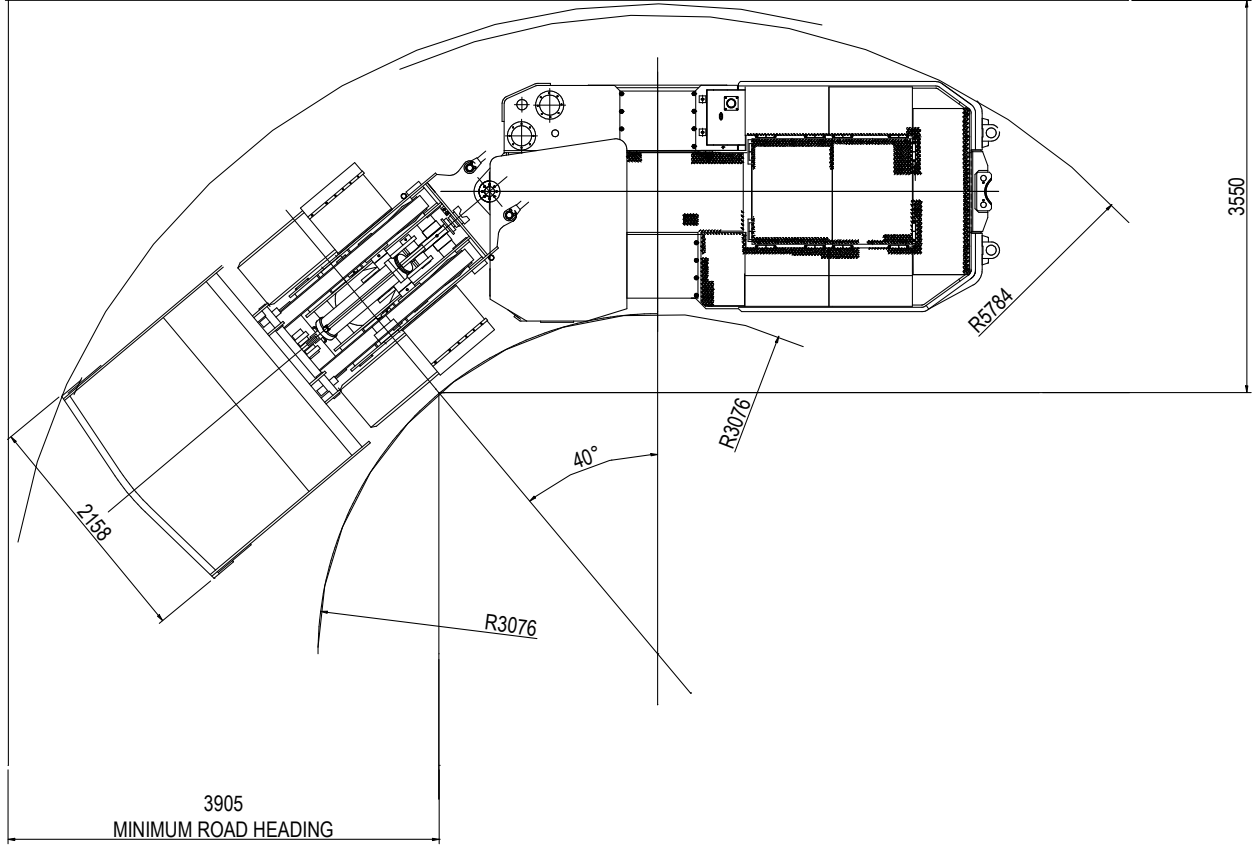


ED6 LHD FLAMEPROOF CATERPILLAR 3126 DITA ENGINE

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DIMENSIONS ARE APPROXIMATE AND APPLY ONLY TO STANDARD MACHINES

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CAPACITIES

Payload	6000 kg
Standard Bucket	
Heaped Capacity (SAE).....	2.73m ³
Struck Capacity.....	2.22m ³
(Other buckets available, consult factory)	

SERVICE CAPACITIES

Hydraulic Tank.....	267 litres
Fuel Tank.....	200 litres
Transmission/Converter Oil	20.8 litres
Engine Crankcase Oil.....	28 litres
Differential.....	15.9 litres
Axle Oil.....	28 litres ea
Water Scrubber/Make Up Tank.....	343 litres

WEIGHT

Operating (Including Canopy).....	19,180 kg
Ground Pressures	
Loader End	495 kPa
Power Module.....	280 kPa

ENGINE

Type	Diesel, Water Cooled, Direct Injection, Turbo
.....	Charged Jacket Water Aftercooled
Make/Model	Caterpillar 3126 DITA
Displacement.....	7.24 litre
Maximum Power	171.5 kW @ 2600 RPM
Max Torque @ RPM.....	736 Nm @ 1900 RPM
Starting Motor Type	Air

Engine Speeds

Low Idle.....	800 RPM
High Idle.....	2600 RPM
Full load RPM	2400 RPM

Stall Speeds

Converter Stall	2470 RPM
Full Stall	2130 RPM

Fuel Consumption

@ Full Power	44.6 l/hr
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Intake System

Type.....	Dry Paper with Dual Elements
Make	Donaldson

Exhaust System

Type.....	Flameproof Water Bath Conditioner
Make	Eimco

POWER TRAIN

Transmission

Type.....	Powershift with Fwd/Rev Modulation
Make/Model	Clark R32421
Speeds Fwd & Rev	4
Gear Ratios.....	4.64, 2.23, 1.29, 0.75

Torque Converter

Type.....	Single Element
Make/Model	Clark C323
Stall Ratio	3.095:1
Offset Ratio.....	1.13:1
Pump Drive Ratio.....	1.135:1

Axles

Type.....	Planetary
Make/Model	Clark 16D2149
Differential Type/Ratio	Front No Spin 4.625:1
.....	Rear No Spin 4.625:1

Planetary Ratio

Overall Ratio

22.852:1

Wheels

Wheel Nut Torque.....610 Nm

Tyres

Type (Standard).....	L3 R-LUG
Size.....	17.5" x 25"
Ply Rating	20
Inflation Pressure.....	Front 420 kPa
.....	Rear 280 kPa

Tractive Effort (Theoretical)

1 st gear (maximum).....	17 655 kg
2 nd gear (maximum).....	8 845 kg
3 rd gear (maximum).....	5 005 kg
4 th gear (maximum).....	2 898 kg
Maximum (limited by machine weight)	13 500 kg

OSCILLATION

Type.....	Rear Axle Cradle
Bearing.....	Bronze
Degrees Up and Down from Horiz.....	10°

ARTICULATION

Bearing

Type and Size.....	Spherically Self Aligning
.....	89 mm Bore
Bearing Material.....	Hardened Steel
Pin Material.....	Hardened Steel
Degrees of Turn Either Side	42.5°

SEATING

Type.....	Cross Seated Suspension Seat
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CANOPY

Standard 1950 mm

HYDRAULIC SYSTEM

Circuits

Steering/Brakes

Type Closed Centre
Pressure 138 Bar

Bucket

Type Open Centre
Pressure 138 Bar

Supply Sealed & Pressurised Tank

Filtration

Suction 100 Mesh Strainer, Magnetic, Washable

Return In Tank, 10 micron Replaceable Element

Pressure In Line, 6 micron Replaceable Element

Pumps

Steering/Brakes

Type Pressure Compensated Piston
Make Eaton

Output @ 2000 engine RPM 76 l/min

Bucket

Type Gear
Make Commercial

Output @ 2000 engine RPM 218 l/min

Cylinders

Double Acting "V" Style Piston and

"U" Cup Style Rod Packing

Rods are Case Hardened and Hard Chromed

Bore x Stroke x Rod Diameter

Steering 89 x 406 x 51 mm

Lift 165 x 584 x 76 mm

Dump (Tilt) 165 x 794 x 76 mm

Eject 127 x 285 x 54 mm

Steering System

Type Centre Articulated, Hydraulic
with Accumulator Reserve

Control Valve Closed Centre

Actuation Orbital

Cylinder Relief 152 Bar

Accumulators

Type Piston, Nitrogen Charged

Quantity/Capacity 1/4 litre

Precharge Pressure 55 Bar

Bucket System

Control Valve Open Centre

Actuation Hydraulic Pilot Operated

Cylinder System

Lift Arm Raise 152 Bar

Lift Arm Lower 152 Bar

Bucket Roll Back 152 Bar

Bucket Dump 152 Bar

Pilot Control

Source Brake Circuit

Pressure 31.5 Bar

Service Brake System

Control Valve Reverse Modulating
Actuation Foot Pedal

Brake Head Operating Pressure 105-0 Bar

Accumulators

Type Piston, Nitrogen Charged

Quantity/Capacity 1/1 litre

Operation Precharge Pressure 55 Bar

Park Brake System

Control Valve 3 Way

Actuation Push Button

Minimum Release Pressure 93 Bar

BRAKES

Service

Type Wet Disc

Make Clark

Application Spring Applied, Hydraulically Released

Location Each Wheel

Park

Type Totally Enclosed, Liquid Cooled

Make Clark

Application Spring Applied, Hydraulically Released

Location Each Wheel

AIR SYSTEM

Air Receiver - Gear Driven Off Engine

Governed Pressure 860 kPa

Relief Pressure 1034 kPa

Air Receiver Capacity 90 litres

ELECTRICAL SYSTEM

Type Approved Flameproof

Voltage 12V

Lights 2 Front, 2 Rear

Type Customer Preference

Alternator Hydraulic Drive

Type Customer Preference

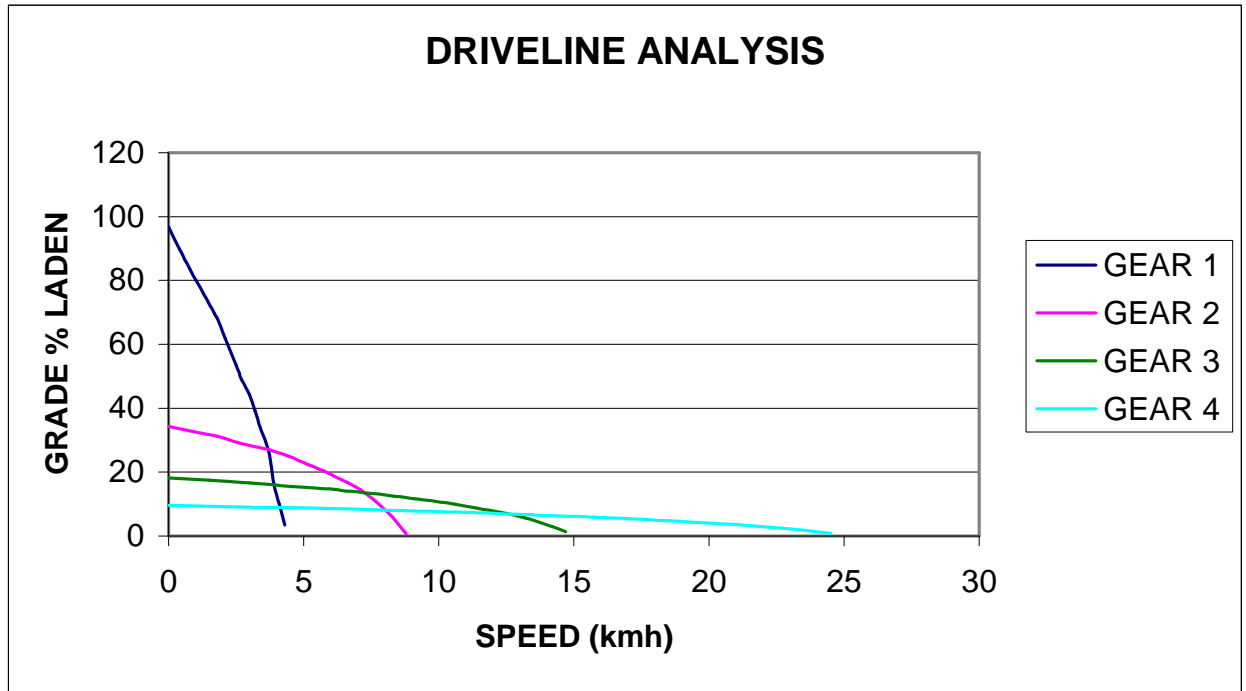
Approved Flameproof

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GRADEABILITY



WARNING

Overloading of lifting equipment may cause personal injury, death or property damage. Due to configuration changes or options requested, weights stated above can vary by up to 20%. Voest Alpine Mining & Tunnelling recommend that the safe working load for this machine is the minimum sling capacity of either those required by government regulation, safety practices or laws in effect at the customers location. Removal of a protective structure could cause serious injury or death. Replacement with correctly torqued Grade 8 fasteners is mandatory.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE