



Power : 180 hp @ 2200 rpm

# VM180

MOTOR GRADER

Built for Bigger Challenges.  
Engineered for Flawless Results.



ENGINE

15000KG

OPERATING  
WEIGHT



HEAVY ROCK  
GRADE TYRES

# VM180 TECHNICAL SPECIFICATIONS

OPERATING WEIGHT	
Total Weight	15000 Kgs
Weight on Front Wheel	4500 Kgs
Weight on Rear Wheel	10500 KGS

ENGINE	
Emission Rating	CEV, BS V
Engine Model	Ashok Leyland H6C 518022
Engine Rated Power	180 hp @ 2200 rpm
Engine Torque	700 Nm @ 1400 rpm
No. of Cylinders	6
Bore x Stroke	104 x 113 mm

TRANSMISSION	
Type of Transmission	Powershift with Torque Converter
Drive	4 Wheel Drive
No. of Gears	6F/3R
Max. Speed (Fwd)	36 Km/hr
Reverse Speed (Rev)	22 Km/hr

AXLE	
Differential	NO-SPIN Anti Slide Type
Front Axle Type	Lean Wheel,
Rear Axle Type	Steel Frame Tandem Axle
Front Axle, Wheel Lean Angle	15 degrees

TYRES	
Tyre Size	14.00x25, 20 PR
Tyre Pressure	475 kPa

BRAKES	
Service Brake Type	Hydrostatic
Parking Brake Type	Mechanical, Hand Operated

STEERING	
Steering Configuration	Front wheel & Articulated frame steer
Steering Angle	+/-45 degrees
Frame Articulation Angle	+/-15 degrees

FORCES	
Drawbar Pull	9450 Kgs
Blade Down Pressure	7140 Kgs
Traction Force	>=90 KN

BLADE RANGE	
Blade Height (Width)	610 mm
Blade Length	3650 mm
Max. Lift Above Ground	390 mm
Max. Depth of Cut	500 mm
Blade Tilt Angle	90 degrees
Blade Pitch Angle	42 degrees
Blade Rotation Angle	360 degrees
Cutting Angle	30-66 degrees

HYDRAULIC SYSTEM	
Pump Type	Gear Pump
Main Relief Valve Pressure	18 MPa
Pump Flow	240 Ltr/min

ELECTRIC SYSTEM	
Battery Qty	2
Voltage/Amp	24V/130Amp

SERVICE CAPACITY	
Fuel Tank	260 L
Engine Oil Sump Capacity	16 L
Coolant	13.5 L
Hydraulic Tank Capacity	110 L
Transmission Oil	28 L
Tandem Oil	52 L
Axle Oil	28 L
Swing Gear Box	3 L

ATTACHMENTS	
Dozer blade	Optional
Ripper rear	Optional

ATTACHMENTS	
Width Tyre Centre line (Rear)	2150 mm
Width Tyre Centre line (Front)	2090 mm
Width Outside Tyres (Rear)	2550 mm
Width Outside Tyres (Front)	2500 mm
Overall Width	2550 mm
Height to front axle from ground	620 mm
Blade Base (Length front axle to moldboard)	2840 mm
Wheel Base (Length front axle to mid tandem)	6550 mm
Overall Length	9320 mm
Ground Clearance	412 mm
Length between tandem axles	1550 mm
Overall Height	3510 mm

