

# FPY140

# LOVOL

## MOTOR GRADER SERIES

ENGINE MODEL	6BTAA5.9-C150
GROSS POWER	112kW @ 2200rpm
OPERATING WEIGHT	11600kg





# FPY140 TECHNICAL PARAMETERS

## MOTOE GRADER SERIES

# LOVOL

### ENGINE

Model	Cummins 6BTAA5.9-C150
Number of cylinders	6
Type	4-cycle, direct injection, water-cooled
Aspiration	Turbocharged, air-air intercooled
Bore x stroke	102*120mm
Displacement	5.9L
Gross power	112kW @ 2200rpm
Max. traction	65kN
Max. torque	670N.m @ 1400rpm
Rated fuel consumption	223g/kW.h
Air cleaner	2-stage, dry type

### POWER TRAIN

Transmission	Fixed-axis type, electro-hydraulic control
Torque converter	Single-stage, single-phase, three basic elements
Rear axle	Modular, planetary reduction, "no-Spin" anti-skid differential
Tandem drive	Roller chain. Oscillating angle: ±15°
Tire	13-24PR12
Front axle	Solid bar construction with oscillation about the central mounting pin Oscillating angle: ±15° Tilting angle: ±17°

### STEERING

Type	Hydraulic power
Front wheel steering angle	±45°
Articulation angle	±25°
Min. turning radius	6600mm

### BRAKES

Service brake	Drum type, foot operated, single circuit, hydraulically actuated on four tandem wheels
Parking brake	Drum type, manually actuated

### MOLDBOARD

Type	Hydraulic power, replaceable cutting edges, hardened cutting edges and end bits
Rotation	360°
Blade width	3660mm
Blade height	615mm
Blade thickness	20mm
Blade tip angle	30~68°
Max. cutting depth	500mm
Max. lifting height	440mm
Max. shoulder reach (left/right)	1700/2000mm
Max. tilting angle (left/right)	±90°

### SPEED

Forward, 1-7	5.4\8.3\13.2\20.6\29.6\44km/h
Reverse, 1-3	5.4\13.2\29.6km/h

### HYDRAULICS

Tandem pump	Gear pump, 28ml/r
Relief pressure for working equipment	16MPa

Relief pressure for steering	12MPa
Relief pressure for brakes	10MPa

### CAPACITIES

Fuel tank	220L
Hydraulic oil tank	85L
Engine crank case	15L
Engine coolant	26L
Tandem box	2x23L
Rear axle	28L
Transmission	28L

### ELECTRICAL SYSTEM

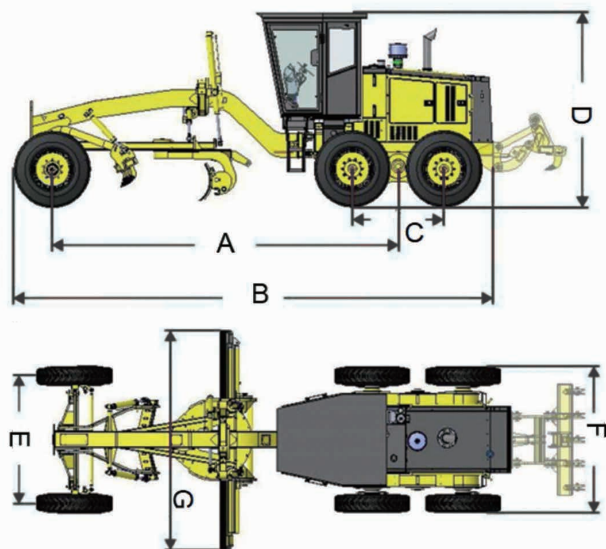
Battery	2x12V, 105Ah
Alternator	28V, 45A
Starter motor	24V, 6kW

### OPERATING WEIGHT

Standard	11600kg
With rear ripper	12851kg

### RIPPER(OPTIONAL)

Ripping depth	254mm
Shank supports	5\9
Weight	900kg
Shank support spacing	400/200mm
Working width	1865mm



### DIMENSIONS

A	Front axle to tandem center	5802mm
B	Overall length: Standard	8036mm
	Overall length: With rear ripper	9310mm
C	Length: Between tandem axles	1540mm
D	Height: Cab	3170mm
E	Tread	2050mm
F	Width: Outside tires	2380mm
G	Blade width	3660mm
H	Minimum ground clearance	430mm