

# FPY210

# LOVOL

## MOTOR GRADER SERIES

ENGINE MODEL	6CTAA8.3-C215
GROSS POWER	160kW @ 2200rpm
OPERATING WEIGHT	16800kg



# FPY210 TECHNICAL PARAMETERS

## MOTOR GRADER SERIES

LOVOL

### ENGINE

Model	Cummins 6CTAA8.3-C215
Number of cylinders	6
Type	4-cycle, direct injection, water-cooled
Aspiration	Turbocharged, air-air intercooled
Bore x stroke	114*135mm
Displacement	8.3L
Gross power	160kW @ 2200rpm
Max. traction	88.2kN
Max. torque	980N.m @ 1500rpm
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	17.5-25PR12
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	8200mm

### BRAKES

Service brake	Disc 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	3660/3965/4270mm
Blade height	635mm
Blade thickness	20mm
Blade tip angle	37~83°
Max. cutting depth	500mm
Max. lifting height	440mm
Blade side shift (left/ right)	650/700mm
Max. shoulder reach (left/right)	1900/1950mm
Max. tilting angle (left/right)	±90°

### SPEED

Forward, 1-6	5.4\9.4\12.2\20.5\25.4\39.7km/h
Reverse, 1-3	5.4\12.2\25.4km/h

### HYDRAULICS

Tandem pump	Gear pump. 28ml/r
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Relief pressure for working equipment	16MPa
Relief pressure for steering	12.5MPa
Relief pressure for brakes	10MPa

### CAPACITIES

Fuel tank	340L
Hydraulic oil tank	110L
Engine crank case	27L
Engine coolant	35L
Tandem box	2x23L
Rear axle	28L
Transmission	28L

### ELECTRICAL SYSTEM

Battery	2x12V, 105Ah
Alternator	28V, 70A
Starter motor	24V, 7.5kW

### OPERATING WEIGHT

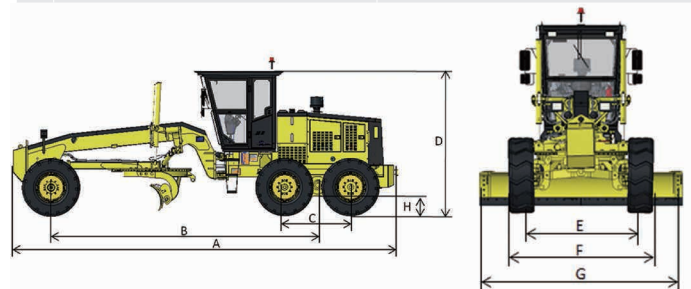
Standard	16800kg
With rear ripper	16820kg
With front blade	17210kg
With front blade & rear ripper	17430kg

### RIPPER(OPTIONAL)

Ripping depth	320mm
Shank supports	5
Shank support spacing	500mm
Working width	2085mm

### FRONT BLADE(OPTIONAL)

Width x Height	2740x930mm
Thickness	10mm
Max. lifting height	500mm
Max. digging depth	210mm



### DIMENSIONS

Overall length: Standard	9315mm
Overall length: With rear ripper	9919mm
A Overall length: With front blade	10307mm
Overall length: With front blade & rear ripper	10911mm
B Length: Front axle to mid tandem	6560mm
C Length: Between tandem axles	1538mm
D Height: Cab	3400mm
E Tread	2155mm
F Width: Outside tires	2600mm
G Blade width	3660/3965/4270mm
H Minimum ground clearance	430mm