



MOTOR GRADER

MODEL : PP12G-IX

TECHNICAL SPECIFICATIONS

POWERPLUS
POWERPLUS GROUP INC., USA

■ MAIN SPECIFICATIONS

Operating Weight: (kg) 15000
Overall Length: (mm) 8630
Overall Height: (mm) 3370
Overall Width: (mm) 2600
Wheelbase: (mm) 6100
Tread: (mm) 2120

■ ENGINE

Model: POWERPLUS PE6170TDI
CUMMINS 6BTA5.9-C180
Rated Power: (HP) 170 / 180
Rated Speed: (rpm) 2200

■ TRANSMISSION

ZF6WG180 (L) Hydro-Electrical control with single lever operation.

Gear:	1	2	3	4	5	6
Forward: (km/h)	6.5	11.4	14.6	24.8	30	49.2
Reverse: (km/h)	6.5	14.6	30			

■ DRIVE

Main Reducer: Spiral bevel gear, single stage
Final Reducer: Single stage chain drive
Tandem Drive: Double row roller chains

■ STEERING SYSTEM

Min. Turning Radius: (mm) 7300
Pivot Angle Frame: (°) 26
Max. Turning Angle (Front Wheel): (°) 49

■ AXLES

Ground Clearance: (mm) 610
Oscillating Angle: (°) 16
Rear: POWERPLUS (USA) Full Floating
Rear Tandem Axle

■ HYDRAULIC SYSTEM

Hydraulic Lock: MTC Technology (Italy)
Differential Lock: NO-SPIN (USA)
Oil Motor: EATON (USA)
Distributing Valve: HUSCO (USA)



■ BLADE EQUIPMENT

Blade Length x Height x Thickness:
(mm) 3658 x 545 x 16
Max. lifting height: (mm) 450
Max. grading depth: (mm) 535
Max. tilt angle: (°) 90
Rotating angle: (°) 360
Max. extending length(L/R): (mm) 2000

■ BRAKE SYSTEM

Service Brake: Hydraulic assisted & inner-expanding brake
Parking Brake: Mechanical & inner-expanding brake type

■ TIRES

Size: 17.5 - 25
Ply Rating: 20

■ CABIN

An ergonomically designed sound proof cabin, enabling wide operational view, comes standard with designer upholstery, adjustable POWERPLUS air suspension driver's seat, streamline dashboard, air con and radio/mp3 player for extensive operations with well deserved comfort.

■ OPTIONAL

Scarifier
Ripper
Dozer
ROPS Cabin
MOBA (Germany) Averaging System