



**POWERPLUS**  
POWERPLUS GROUP INC., USA



## MOTOR GRADER



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## TECHNICAL SPECIFICATIONS

MODEL		PP120G-IX	PP12G-IX	PP14G-IX	PP16G-IX	
Operating Weight	kg	12500	15000	16000	17000	
Overall Dimension (LxWxH)	mm	8060 x 2600 x 3370	8630 x 2600 x 3370	9235 x 2600 x 3370	9235 x 2600 x 3370	
Wheelbase	mm	5780	6100	6100	6100	
Tread	mm	2120	2120	2120	2120	
<b>ENGINE</b>						
Brand		POWERPLUS	POWERPLUS	POWERPLUS	POWERPLUS	
Type		Diesel, 6 cylinder 4 stroke water cooled.				
Rated Power	HP	130	170	190	220	
Rated Speed	rpm	2200	2200	2200	2200	
Displacement	L	5.9	5.9	9.5	9.5	
<b>TRANSMISSION</b>						
<b>Type</b>		Power shift, single-shift lever, neutral shift lock device.	Hydro-Electrical control with lever operation. Power shift.		Hydro Electrical control with single lever operation.	
FORWARD	Gear 1	km/h	6.9	6.5	6.5	6.9
	Gear 2	km/h	10.7	11.4	11.4	11.8
	Gear 3	km/h	17.3	14.6	14.6	15.5
	Gear 4	km/h	26	24.8	24.8	26.2
	Gear 5	km/h	37.8	30.0	30.0	32.6
	Gear 6	km/h	46.2	46.2	46.2	46.2
REVERSE	Gear 1	km/h	6.9	6.5	6.5	6.9
	Gear 2	km/h	17.3	14.6	14.6	15.5
	Gear 3	km/h	30.2	30.2	30.2	30.2
<b>DRIVE</b>						
Main Reducer		Spiral bevel gear, single stage				
Final Reducer		Single stage chain drive				
Tandem Drive		Double row roller chains (4WD)				
<b>STEERING SYSTEM</b>						
Minimum Turning Radius	mm	6600	7300	7400	7400	
Hydraulic Pivot Angle Frame	°	26	26	26	26	
Hydraulic Turning Angle (Front Wheel)	°	45	45	45	45	
<b>AXLE</b>						
Front		Ground Clearance 430mm Oscillating Angle 16°	Ground Clearance 610mm Oscillating Angle 16°	Ground Clearance 610mm Oscillating Angle 16°	Ground Clearance 430mm Oscillating Angle 16°	
Rear		Full Floating Rear Tandem Axle				
<b>HYDRAULIC SYSTEM</b>						
Hydraulic Lock				•		
Differential Lock				•		
<b>HYDRAULIC BLADE EQUIPMENT</b>						
Blade Length x Height x Thickness	mm	3658 x 545 x 15	3658 x 545 x 15	4000 x 545 x 15	4320 x 545 x 15	
Maximum Lifting Height	mm	410	410	410	410	
Maximum Grading Depth	mm	450	450	450	450	
Maximum Tilt Angle	°	80	80	80	80	
L/R slide blade and flip blade		•	•	•	•	
<b>BRAKE SYSTEM</b>						
Service Brake		Hydraulic and inner expanding	Hydraulic assisted and inner-expanding brake			
Parking Brake		Mechanical and inner-expanding brake type				
<b>TIRES</b>						
Size		17.5-25-12PR	17.5-25-12PR	17.5-25-12PR	17.5-25 12PR	
<b>CABIN</b>						
Type		An ergonomically designed sound proof cabin, enabling wide operational view, comes standard with designer upholstery, adjustable air suspension driver's seat, streamline dashboard, air conditioner and radio/mp3/USB player for extensive operations with well deserved comfort and wiper. Electric engine starter.				
<b>OPTIONAL ATTACHMENTS</b>						
Hydraulic Scarifier 11 teeth		°	°	°	°	
Ripper		°	°	°	°	
Dozer		°	°	°	°	
ROPS Cabin		°	°	°	°	

• Standard    ° Optional    **N.A Not Applicable**

- Hour Meter
- Engine Temperature Gauge
- Engine Oil Pressure Gauge
- 24 V. electric system 2x12 V.80 Ah battery
- Fuel Gauge
- Hydraulic Oil Level Gauge
- Battery Charging Indicator
- Back up alarm



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