



## PY220H MOTOR GRADER SPECIFICATIONS

- Equipped with ShangChai C6121 engine
- Sing-handle electro-hydraulic controlled power-shift T/M, 6forward & 3reverse shifts makes operation easy and convenient
- Hydraulic lock, auto lock/unlock NO-SPIN differential ensures stability and powerful traction
- Ideal axel load allocation provides excellent stability while cutting hard surface
- Serviceable, efficient hydraulic system enables every part to be fully used
- Box-typed frame and advanced T/M enable it to complete heavy-duty work
- A wide working range is accomplished through flexible blade suspension system and articulated frame

Overall Dimension		
1	Length	8990mm
2	Width	2600mm
3	Height(To the top of the cab)	3370mm
4	Wheel base	6100mm

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5	Tread	2120(mm)
<b>Main Technical Specification</b>		
1	Operating weight	15500kg
2	Blade length	4320mm
3	Blade height	645mm
4	Blade width	22mm
5	Max lifting height	450mm
6	Max grading depth	535mm
7	Min. turning radius	7300mm
8	Pivot angle frame	$\pm 26^{\circ}$
9	Max turning angle(front wheel)	$\pm 49^{\circ}$
10	Oscillating angle of front axle	$32^{\circ}$
11	Front axle center ground clearance	610mm
12	Cut angle	$29-77^{\circ}$
13	Traveling speed(Km/h), 6 forward and 3 reverse	
	(1) I gear forward	6.8
	(2) II gear forward	10.3
	(3) III gear forward	15.3
	(4) IV gear forward	22.7
	(5) V gear forward	32
	(6) VI gear forward	47
	(7) I gear reverse	6.8
	(8) II gear reverse	15.3
	(9) III gear reverse	32

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3	Gear shift position	6 Forward and 3 reverse gears
<b>(三)、Axle and Tire</b>		
1	Type of main reducer	spiral bevel gear, single stage
2	Gear ratio of main reducer	3.583
3	Type of final reducer	Single stage chain-drive
4	Gear of ratio of final reducer	3.75
5	Gear ratio	13.436
6	Tandem drive	Double row roller-chains
7	Size of tire	17.5-25-14PR
<b>Working Device Hydraulic System</b>		
1	Model of oil pump(include steering pump)	CBGj2045/1025
2	System pressure	175(kgf/cm <sup>2</sup> )
3	Model of distribution valve	HUSCO5000-D
4	Cylinder	CHINESE CHANGLIN
5	Hydraulic lock	KAYABA technology
6	Model of oil motor	EATON, JS-130
<b>Steering System</b>		
1	Type	Fore Tire deflexion
2	Model of steering gear	BZZ1-E160B/ FKA-163022
3	System pressure	16MPa
<b>Brake System</b>		
1	Type of traveling brake	Hydraulic Assisted inner-expanding brake
2	Oil pressure	120(kgf/cm <sup>2</sup> )
3	Type of parking brake	Mechanical and inner expand hoof brake

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<b>Oil Capacity</b>		
1	Fuel(diesel)	350L
2	Engine lubricating oil	27L
3	Oil for converter and gear box	45L
4	Oil for hydraulic system	70L
5	Oil for driving rear axles	18L
6	Tandem box	84L