



FPY240H

MOTOR GRADER

The FPY240H motor grader is mainly used for ground leveling, ditching, slope scraping, bulldozing, scarification, snow removal for large areas such as highway, airports, farmlands etc. It is the necessary construction machinery for national defense construction, mine construction, urban and rural roads, and mine roads construction and water conservancy construction, farmland improvement and so on.

Performance Characteristics /

- Energy saving and noise reduction: adopt low speed engine transmission line, low fuel consumption and energy saving and environmental protection; The transmission system is equipped with low speed ratio, and the average fuel consumption is reduced by about 8%. Three levels of engine, cab and seat vibration reduction; The cab is supported by six points; Deceleration of engine, cooling fan with large diameter, sound absorption sponge inside the hood, good sealing of the cab reduces noise of the whole machine.
- Strong power: Shanghai efficient China stage III engine and hydraulic torque converter, the optimal torque converter achieves the best matching of torque converter and engine, reducing the start time, increase the work of torque output at low speed, strong and powerful. The optional herringbone tread tires, the adhesion can be increased by 10% in loosing soil and leveling, further enhance the power output.
- Rotation with load: improve the pressure of hydraulic system system, the rotary force of the blade, the high frequency quenching treatment improves the wear resistance and life span, and realize the rotation operation.
- Efficient operation: improves the displacement of hydraulic pump and hydraulic motor, increase the oil cylinder speed by 20%, realizes the industry leading work efficiency, the optimized blade shape can turn and remove the soil quickly and efficiently, and realize optimal load distribution and the minimum material accumulation within the rotary disc area.

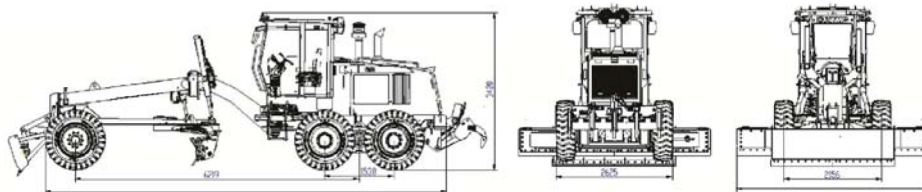
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平地机

Main Dimensions

主要尺寸



Main Specifications

主要技术参数

	Item	Unit	GR2403
Basic parameters	Engine model		QSB6.7
	Rated power/speed	kW/rpm	178/2000
	Overall dimension(standard)	mm	8970 x 2625 x 3420
	Total weight(standard)	kg	17000
	Tire specification		17.5-25
	Ground clearance	mm	430
	Tread	mm	2156
	Space of front and rear axles	mm	6219
	Space of middle and rear wheels	mm	1538
Performance parameters	Forward velocity	km/h	5、8、11、19、23、38
	Reverse speed	km/h	5、11、23
	Tractive effort f=0.75	kN	≥87
	Maximum gradeability	%	≥25
	Inflation pressure of tires	kPa	260

	Working system pressure		MPa	20
	Transmission pressure		MPa	1.3-1.8
Working parameters	Maximum steering angle of front wheels		°	±48
	Maximum inclination angle of front wheels		°	±17
	Maximum swing angle of front axle		°	±15
	Maximum swing angle of balance box		°	front 15, rear 15
	Maximum steering angle of frame		°	±27
	Maximum turning radius		m	7.3
	Blade	Maximum lifting height	mm	400
		Maximum shoveling depth	mm	500
		Maximum lateral inclination angle	°	90
		Cutting angle	°	28-70
		Slewing angle	°	360
		Length x chord height	mm	3965 x 610
Oil filling amount	Coolant		L	50
	Fuel tank		L	280
	Engine		L	24
	Transmission		L	38
	Balance box		L	46
	Drive axle		L	28
	Hydraulic oil		L	110