FPY180



MOTOR GRADER SERIES

ENGINE MODEL **GROSS POWER** 6BTAA5.9-C180 132kW @ 2200rpm

OPERATING WEIGHT 15100kg

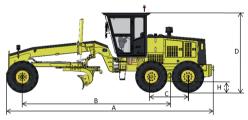


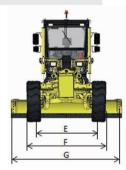
FPY180TECHNICAL PARAMETERS MOTOR GRADER SERIES



Model Cummins 6BTAA5.9-C180 Number of cylinders 6 Type 4-cycle, direct injection, water-cooled Aspiration Turbocharged, air-air intercooled Bore x stroke 102*120mm Displacement 5.9L Gross power 132kW @ 2200rpm Max. torque 670N.m @ 1500rpm Rated fuel consumption 226g/kW.h Air cleaner 2-stage, dry type POWER TRAIN Fixed-axis type, electro-hydraulic control Torque converter Single-stage, single-phase, three basic elements Rear axle Modular, planetary reduction, "no-Spir" anti-skid differential Tandem drive Roller chain. Oscillating angle:±15° Tire 17.5-25PR14 Solid bar construction with oscillation about the central mounting pin Front axle Oscillating angle:±15° Titting angle:±17° STEERING Type Hydraulic power Front wheel steering angle ±45° Articulation angle ±25° Min. turning radius 7800mm BRAKES Disc type, foot operated, singl	ENGINE	
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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,1-7 5.4\8.4\13.4\20.3\29.8\39.6km/h Reverse,1-3 5.4\13.4\29.8km/h HYDRAULICS Tandem pump Gear pump.28ml/r		
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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,1-7 5.4\8.4\13.4\20.3\29.8\39.6km/h Reverse,1-3 5.4\13.4\29.8km/h HYDRAULICS Tandem pump Gear pump.28ml/r	. 0	
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Max. tilting angle (left/right) ±90° SPEED 5.4\8.4\13.4\20.3\29.8\39.6km/h Reverse,1-3 5.4\13.4\29.8km/h HYDRAULICS Tandem pump Gear pump.28ml/r	(0 /	
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Forward,1-7		
Reverse,1-3 5.4\13.4\29.8km/h HYDRAULICS Tandem pump Gear pump.28ml/r		5 1/8 1/13 1/20 2/20 8/20 6km/h
HYDRAULICS Tandem pump Gear pump.28ml/r		
Tandem pump Gear pump.28ml/r		J.4\13.4\29.0KIII/II
		Coor numn 20ml/r
Relief Dressure for Working Adulinment ThiVIP3		
Town a	Relief pressure for working equipment	16MPa

	Relief pressure for steering	12.5MPa
	Relief pressure for brakes	10MPa
ä	CAPACITIES	IOWIFA
	Fuel tank	340L
		110L
	Hydraulic oil tank	
	Engine crank case	16L
	Engine coolant	30L
	Tandem box	2x36L
	Rear axle	25L
	Transmission	28L
	ELECTRICAL SYSTEM	
	Battery	2x12V,105Ah
	Alternator	28V,45A
	Starter motor	24V,6kW
Ö	OPERATING WEIGHT	
	Standard	15100kg
	With rear ripper	15500kg
	With front blade & rear ripper	16500kg
•	RIPPER(OPTIONAL)	
	Ripping depth	320mm
	Shank supports	5
	Shank support spacing	500mm
	Working width	2085mm
<u> </u>	FRONT BLADE(OPTIONAL)	
	Width x Height	2740x930mm
	Thickness	10mm
	Max. lifting height	500mm
	Max. digging depth	210mm





-4	DIMENSIONS	
	Overall length: Standard	8726mm
Α	Overall length: With rear ripper	9330mm
	Overall length: With front blade & rear ripper	10322mm
В	Length: Front axle to mid tandem	6260mm
С	Length: Between tandem axles	1552mm
D	Height: Cab	3400mm
Е	Tread	2155mm
F	Width: Outside tires	2600mm
G	Blade width	3660mm
Н	Minimum gound clearance	430mm