



Bringing benefits to farmers by delivering advanced and cost-effective tractors.

# Ragnar R160



## Functional Highlights

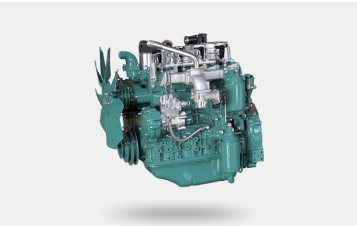
- The electronically controlled BOSCH high pressure common rail fuel system works with a 3-position switch, which controls the engine power output based on the load, to lower the fuel consumption.
- The enhanced independent dual clutch with a compact structure can transmit torque more smoothly, allowing for continuous operation without rework.
- With a torque reserve of up to 30%, the reliable high-quality engine delivers strong power and high efficiency.
- The preinstalled FJD Autosteering Kit supports auto driving following the planned route.
- The A20 front axle is strong enough to support engine power of up to 210 horsepower, allowing the tractor to work perfectly with various implements.
- The user-friendly design, including a cab equipped with an air conditioner, suspension seat, and skylight, ensures driving comfort.
- With a 300L primary fuel tank and 230L secondary fuel tank, the total fuel volume is increased to 530L, providing longer operation time.

# Product Introduction



Ragnar is dedicated to improving people's working conditions by applying high-precision positioning technologies to agricultural production. We have been making smart tractors with the support of partners and customers to create a better future.

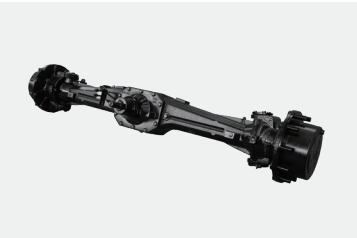
The Ragnar R160 4WD wheeled tractors come with an electronically controlled BOSCH high pressure common rail fuel system and a 3-position switch, which controls the engine power output based on the load, to improve fuel efficiency. The enhanced chassis increases the empty weight, making the tractor more suitable for various heavy load operations such as deep ploughing and harrowing.



The Ragnar R160 4WD wheeled tractors work with a six-cylinder electronically controlled high pressure common rail diesel engine that features high injection pressure, sufficient vaporization, and more complete combustion. Its 160 horsepower and large torque output of 665 N•m help to get work done quickly and smoothly.



The Ragnar R160 4WD wheeled tractors have a minimum ground clearance of 490 mm, a minimum turning radius of 5.7 m, and a reliable pin-type differential lock, providing excellent passability.



The Ragnar R160 4WD wheeled tractors use an enhanced front axle which is strong enough to work with engine power of up to 210 horsepower, and a mid-mounted double-acting hydraulic cylinder to deliver a superior loading capacity and even load distribution at the left and right sides. With a large turning angle and a small turning radius, the tractor can turn easily.



The Category III three-point hitch conforms to the international standard. The one-piece top link bracket integrates the chassis housing and the hydraulic lift housing, which increases the strength to avoid damaging the housing in heavy load operations.

# Technical Specification

Engine		
Configuration	Standard	Optional
Type	Six-cylinder Diesel Engine	
Rated Speed	2200 rpm	
Maximum Torque	665 N•m	
Rated PTO Power	100 kW	
Rated Net Power	118 kW	
Displacement	6.75 L	
Fuel Tank Capacity	530 L	

Transmission		
Gears	Standard	Optional
Type	With synchronizer, mechanical step type, 16F+8R	(24F+8R)
Speed Ranges	Forward: 1.7-36.39 km/h	0.3-33.1km/h(24+8)
	Reverse: 2.52-23.28 km/h	0.7-11.3km/h(24+8)
Differential Lock	Enclosed differential with 4 planetary bevel gears	
PTO Speed	540/1000 rpm	760/850, 760/1000 rpm

Brake		
Configuration	Standard	Optional
Service Brake	Single disc hydraulic brake	
Parking Brake	Single disc mechanical brake	

Front Axle		
Configuration	Standard	Optional
Minimum Turning Radius	5.7 m	

Hydraulic Lift		
Configuration	Standard	Optional
Three-point Hitch	Cat. III Rear Three-point Hitch	
Hydraulic Pump Rated Output	79.2 L/min	
Lift Capacity at 610 mm Behind Hitch Point	≥35.28 KN	
Selective Control Valves	3	4

Cab		
Standard		
Heat and Air Conditioning		

Tires and Weight		
Configuration	Standard	Optional
Front Tires	14.9-26	16.9-28(F)/20.8-38 (R) (upland field tire) 380/85R28(F)/460/85R38(F) (radial tire)
Rear Tires	18.4-38	
Ballast, Front/Rear	780/240 kg	780/480 kg
Minimum Operating Mass (with cab)	5780 kg	

Dimensions		
With Cab		
Length	5275 mm	5360(24+8)
Width	2404 mm	
Height	3143 mm	
Wheelbase	2715 mm	2800(24+8)
Ground Clearance	490 mm	