- **PERFORMANCE**
- **RELIABILITY**
- **DURABILITY**

The MCM R1000 road roller are designed to offer high productivity and reliability with maximum operating economy. The ideal combination of static weights, centrifugal forces and amplitudes makes this asphalt roller perfect for a wide range of both soil and asphalt applications.

Thanks to excellent manoeuvrability and a compact design, R1000 compaction rollers are ideal for a wide range of workplaces, including yards, access roads, residential streets, car parks, roads, highways and airports.

EXCEPTIONAL STANDARD FEATURES

- Hydrostatic propulsion of drums
- Double-drum driven
- Front-drum vibration
- Hydraulic steering with joystick & vibration button control
- Central articulation
- Electric & recoil starter
- Newly designed engine hand throttle
- Collapsable ROPS steel bar
- Double-drum water sprayer system
- New design for operator visibility
- Rear-drum parking brake
- Easy-access design for fast maintenance
- Transport lifting & latching hooks

Hydraulic joystick & steering controls

Danfoss variable piston pump

THE
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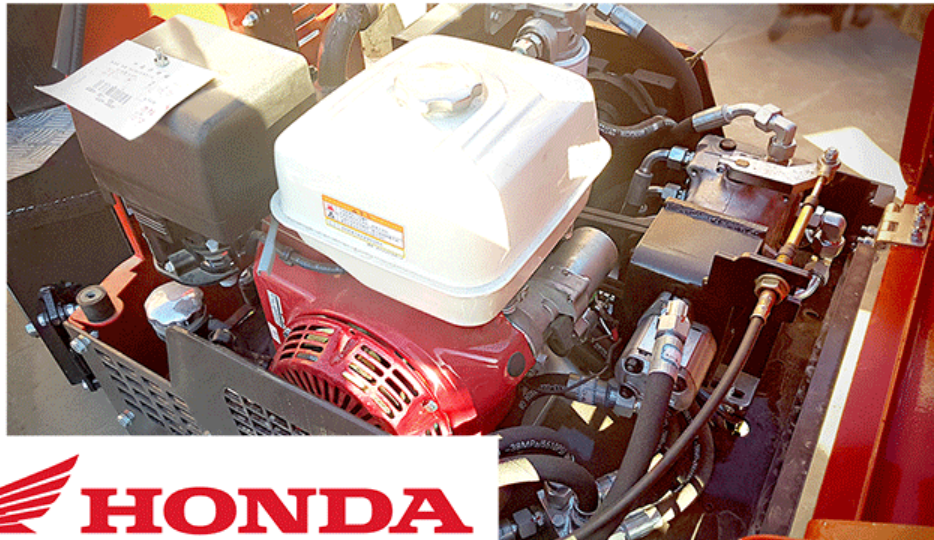
Powered By The Proven Honda Engine

Honda's GX series engines are known for providing reliable power and performance. The R1000 is powered by the GX390, 9.6kW/13HP model. The GX390 is fuel efficient without sacrificing its high power output. This engine delivers smooth power with lower vibration and lower noise levels.

Easily accessible parts make the GX390 easy to use and maintain.
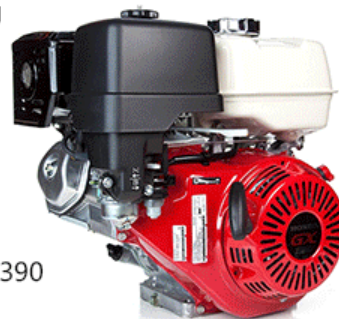
Honda GX390 - Engineered For Success

ENGINE SPECIFICATIONS	
Model	GX390
Type	4-stroke, OHV, single cylinder, inclined by 25°
Displacement	389 cm (23.7 cu-in)
Max. Horsepower	13.0 HP (10.0 kW) @ 3,600 rpm
Max. Torque (Crank PTO)	27 Nm (2.7 kg-m, 20.0 ft-lb) @ 2,500 rpm
Carburetor	Horizontal type, butterfly valve
Cooling System	Forced-air
Ignition System	Transistorized magneto ignition
Lubricating System	Forced splash
Starting System	Recoil and starter motor
Stoping System	Ignition primary circuit ground
Fuel Used	Unleaded gasoline (octane number 86 or higher)
Fuel Consumption	2.7 Litres (0.71 US gal) / h
PTO Shaft Rotation	Counterclockwise (from PTO shaft side)

HONDA GX390K1 (TYPE S)	
Length, mm (in)	380 (15.0)
Width, mm (in)	450 (17.7)
Height, mm (in)	443 (17.4)
Dry Weight, kg (lb)	33.0 (68.3)
Operating Weight, kg (lb)	37.0 (81.6)

KAMA KM186F - Engineered For Success

ENGINE SPECIFICATIONS	
Model	KM186F
Type	4-stroke, single cylinder, direct injection
Displacement	406 cm^3 (24.78 cu-in)
Max. Horsepower	9.2 HP (6.6 kW) @ 3,600 rpm
Cooling System	Forced-air
Lubricating System	Pressure Spray Compound
Starting System	Recoil and starter motor
Stoping System	Ignition primary circuit ground
Fuel Used	Diesel
Fuel Tank Capacity	5.5 L (1.21 gal)
Valve clearance (cold)	0.10-0.15 mm (0.0039-0.0059 in)
Recommended oil	SAE 10W-30 or similar
Oil capacity	1.65 l (0.36 gal.)
Injection pressure	200 kg/cm2 (19.6 MPa)

KAMA KM186F	
Length, mm (in)	420 (16.54)
Width, mm (in)	440 (17.32)
Height, mm (in)	495 (19.49)
Weight, kg (lb)	48.0 (105.6)

Powered By The Proven KAMA Engine

The Kama KM186F is a 406 cc (24.78 cu.in.) single-cylinder air-coolled 4-stroke direct injection diesel engine with horizontal shaft.

The Kama KM186F/E engine has OHV design, single-cylinder, direct injection system, & recoil or electric starter.

The KM186F engine cylinder bore is 86.0 mm (3.39 in) & piston stroke is 70.0 mm (2.76 in). The engine produced from 8.5 HP (6.3 kW) at 3,000 rpm up to 9.0 HP (6.6 kW) at 3,500 rpm of maximum horsepower. The continuous rated output power is 7.8 HP (5.7 kW) at 3,000 rpm up to 8.6 HP (6.3 kW) at 3,600 rpm.

STATIC DIMENSIONS			
A	Operating Length, mm (in)		1950 (76.8)
B	Wheelbase, mm (in)		1240 (48.8)
C	Drum Diameter, mm (in)		540 (21.3)
D	Ground Clearance, mm (in)		250 (9.8)
E	Operating Height, mm (in)		2060 (81.1)
F	Travel Height, mm (in)		1670 (65.7)
G	Seat Height, mm (in)		970 (38.2)
H	Height of Steering Wheel, mm (in)		1400 (55.1)
	Travel Width, mm (in)		850 (33.5)
I	Drum Width, mm (in)		740 (29.1)
J	Side Overhang, mm (in)	Left	70 (2.75)
		Right	40 (1.6)
K	Curb Clearance, mm (in)	Left	20 (0.8)
		Right	42 (1.65)

OPERATING DATA	
Operating Weight, kg (lb)	1000 (2204.6)
Drive System	Hydraulic Double Drive
Vibration Frequency, Hz (vpm)	70 (420)
Nominal Amplitude (front/rear), mm (in)	0.6 (0.023)
Static Linear Load, N.cm (ozf.in)	56 (511.6)
Driving Speed, km/h (mph)	0 - 6 (0-3.7)
Fuel Tank Capacity, L (gal)	6 (1.58)
Hydraulic Oil Tank Capacity, L (gal)	35 (7.7)
Water Tank Capacity, L (gal)	60 (13.2)
Starting System	Electric/Manual
Sprinkler System	Pressure
Parking Brake	Automatic

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R1000 RIDE-ON ROLLER

Engine: Honda GX390 or KAMA KM186F
Max. engine power: 9.6kW (13hp) or 6.6kW (9.2HP)
Operating weight: 1,000kg (2,204lb)

Download the very latest information on this product range at: www.mcmcogroup.com

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