

BETTER 175

BY **BM TRACTORS**
AGRICULTURAL AND INDUSTRIAL TRACTORS



Summary

The Concept	1
Bi-directional	3
Better Operations	5
Year Round Utility	7
Technical Specifications	10
Higher Plus Front End Loader	11



BM TRACTORS

The company was founded in 1990 by Giancarlo Bedini. Since 2007, BM Tractors has been managed by entrepreneur Raul Gilli, who has relaunched the industrial project while maintaining the active contribution of the founders. BM Tractors S.r.l. designs and manufactures special tractors and complementary agricultural equipment, solutions for various sectors: agriculture, forestry, landscaping & grounds maintenance, land reclamation, snow removal.

Our future is driven by the success of our past achievements and the wishes of our customers, who share BM Tractors' commitment of ensuring a sustainable future for the next generation. BM Tractors sets high standards by using the latest generation of engines that comply with worldwide environmental regulations. These initiatives reflect BM Tractors' dedication to promoting customer wellbeing and environmental sustainability by integrating responsible practices into its business strategy.

Our goal is to become an international reference in the production of multifunctional and special tractors. We want to respond with efficiency and reliability to the needs of the most demanding markets, through an organic, technologically advanced and forward-looking structure.

BETTER 175

Handcrafted with a focus on performance, speed, and reliability, this tool carrier utilizes high-quality materials and components to excel in various terrains such as snow, grass, dirt and slopes. Compliant with global regulations, the BETTER 175 is equipped with a FPT stage V engine that also meets the latest environmental requirements. The combination of its 170HP engine, light weight and low center of gravity, ensures optimal traction, allowing for effortless navigation in slopes of up to 45°, enhancing productivity and safety even in the most challenging environments.

The key feature of the BETTER 175 is its entirely reversible driver's seat, allowing operators to quickly adjust their orientation for maximum efficiency and visibility. Emphasizing ergonomics, this distinctive design coupled with reversible controls enables the operator to maneuver with enhanced precision. Additionally, the hydrostatic transmission provides seamless forward and backward movements controlled by a joystick, offering unparalleled operational flexibility and convenience.

THE CONCEPT

The operator and their operations at the heart of the design. With in-house design and development, the BETTER 175 exemplifies a harmonious integration of axles, chassis, and engine. This synergy ensures the machine's agility, power, and effectiveness.

The engine boasts 170 horsepower and complies with the latest emissions standards, specifically meeting Stage 5 regulations. It features a distinctive crankcase design that enables the machine to function effectively on steep slopes without risk of unsettling the oil pump pickup.

In order not to limit the operator in his choice of equipment, the machine is built with two PTO shafts that rotate in opposing directions – one clockwise and the other anti-clockwise. These shafts offer the flexibility to operate at either 540 or 1000 RPM. The PTO system is engineered to maximize the utilization of the engine's power. This is achieved by directly connecting the PTO shaft to the engine, eliminating the need for intermediary gearboxes.

The steel chassis, designed exclusively for this machine, provides exceptional strength and flexibility while effectively minimizing weight. The front axle is fixed, enhancing stability, while the rear axle is pivot-mounted. Integrated to that pivoting axle is the 3-point hitch, ensuring a precise ground alignment and tracking for the equipment.

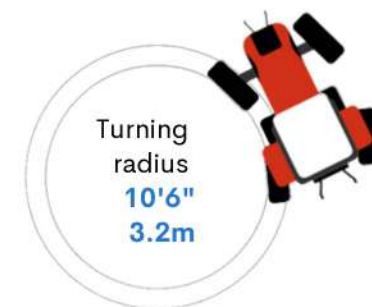


12.5° Pivot

Kitted out with a compact chassis, the BETTER 175 features four-wheel drive and steering, which amplifies its ability to navigate effortlessly through confined spaces.

To enhance the machine's maneuverability, four steering modes have been integrated, ensuring optimal operational efficiency regardless of the required maneuver. The wheels can be locked out into crab mode, proving invaluable when operating on slopes by effectively maintaining weight distribution.

The BETTER 175's exceptional maneuverability and light weight enable operations without damaging the ground.



"Crab"



2 rear
wheels



2 front
wheels



4 wheels





BI- **DIRECTIONAL**

Designed with ergonomics and functionality in mind, the BETTER 175 delivers an unrivalled operational experience.

The BETTER 175 has a unique feature, with the simple pull of a lever, the operator can turn the seat around and operate in the other direction. This is standard on the machine. The reversible driver seat, steering wheel and control console allow operators to quickly and effortlessly change their orientation depending on the task. This feature increases visibility, efficiency, comfort and safety, enabling more precise and accurate maneuvering, especially in tight or complex work environments such as parking lots, slopes or forests.

The BETTER 175 is equipped with a hydrostatic transmission, ensuring smooth and seamless control of speed and direction.

UNIQUE





BETTER **OPERATIONS**

The BETTER 175 is engineered to enhance the efficiency and ease of operations. This joystick allows every command to be accessible with just one hand, keeping the other on the wheel. This feature improves safety and control, ensuring that operators can maintain better handling of the tractor while managing hydraulic functions.

The joystick is coupled with electronic speed ranges, enabling smooth and gradual transitions between 0 and 45km/h (27mph). It ensures that operators can swiftly adapt to different tasks and working conditions, whether they require slower, more precise movements or faster, more powerful operations.

With its ergonomic design, the joystick ensures that operators can work comfortably for long periods, reducing fatigue and enhancing overall productivity.





The BETTER 175 cab is meticulously designed for operator comfort. It features an integrated air conditioning and heating system, providing a comfortable working environment in all seasons, from the intense summer heat to the frigid winter cold. The reversible driver seat not only enhances comfort but also helps prevent musculoskeletal disorders by keeping operators constantly facing their equipment, reducing strain and improving safety on the job.

A key highlight of the cab is the 360° visibility enabled by its large glass surface. This ensures a clear, unobstructed view, significantly enhancing safety by allowing the operator to easily monitor their surroundings and quickly respond to any changes.



The cab features a multifunction screen that simplifies the operator's experience by integrating various controls and information. Its user-friendly layout offers real-time diagnostics, informational data, and system settings, enhancing efficiency and safety by keeping essential controls and information easily accessible.

7

YEAR ROUND UTILITY

With its compactness, power and impressive agility, the BETTER 175 stands out in the slope machine market. Its versatility means it can be used all year round, excelling in a variety of tasks such as snow clearing, mowing, mulching and much more.

In short, it's the all-purpose machine for your every need.

BETTER





The SIZE

AG
175HP

BETTER
170HP

BETTER 175

AG
75HP



Technical SPECIFICATIONS

ENGINE

Brand	IVECO FPT N 45 Stage 5
No. de cylinders	4
Power and torque	125kW/170HP 715Nm @2200RPM
Displacement (cm ³ / in ³)	4500 / 275
Admission	Turbo charged
Maximum continuous tilt	40°
Fuel tank capacity (Liters)	205
Cooling	Water

Transmission and PTOs

Transmission	Hystrostatic with variable flow pump
Gearbox	Electronically controlled hydrostatic transmission with 2-range mechanical transmission
Rear PTO	2 PTO shafts (one clockwise, other anti-clockwise) Speeds 540 and 1000 RPM with oil bath multi-plate clutch
Front PTO	Optional (1000 RPM Anti-clockwise)

HITCHES AND HYDRAULIC SYSTEM

Hydraulic system	80 L/min (21 gal/min)
Steering	Hydraulic Modes: 1) Front only 2) Rear only 3) 4 wheels 4) Crab
Towing Hitch	Cat. "C" and "D2"
Rear lift system	Hydraulic 3-point hitch, cat. "2"
Rear lift system capacity	4500 Kg / 9920 Lbs (at ball joint)
Front lift system capacity	Optional (3000Kg / 6614 Lbs at ball joint)

CHASSIS AND BRAKES

Total Weight	4500 Kg / 9920 Lbs
Brakes	Oil bath on both axles
Parking Brake	Negative oil bath
Differential lock	100% on all axles

DIMENSIONS

Width (mm/in)	2200 - 2550* / 86.61 - 100.39*
Length (mm/in)	4410 / 173.62
Height (mm/in)	2650 - 2800* / 104.33 - 110.24*

*Depending on tires

HIGHER PLUS

FRONT END LOADER

The Higher Plus, specially designed by BM Tractors for the BETTER 175, is equipped with a quick-attach system so it can easily be coupled to the tractor. It also features a quick-attach system for accessories, simplifying operations.

This loader is distinguished by its second arm, which can reach a height of 4.4m.

The Higher Plus is fully controlled from inside the cab, with loader controls integrated into the BETTER 175's joystick and display.



Second arm closed



Second arm opened



POSITION		D	E	H	I
Distance	mm	4000	2000	2500	1290
	in	157.5	78.7	98.4	50.8
POSITION		L	M	P	Q
Distance	mm	4400	1700	3300	1350
	in	173.2	66.7	129.9	53.2
Lifting force	Kg	1000			
	Lbs	2204			
Lifting Time	s	7			





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