

BM SERIES

116 - 132 HP



VATRA

YOUR WORKING MACHINE

A PROVEN TRACK RECORD



The BM series embodies Valtra's manufacturing philosophy. All primary components are either built or designed in-house. This includes the engine, transmission and rear axle. Other suppliers are recognised leaders in their field.

The BM Series is available in both Platform and Cab.

AGCO POWER ENGINE

AGCO Power engines are developed exclusively for agricultural applications. These engines deliver high power output at low RPM.

AGCO Power engines are known worldwide for their durability and reliability. The 4-cylinder turbocharged engine produces up to 132 hp.



WET LINER WITH ADDITIONAL CENTRAL SUPPORT

The intermediate support provides greater stability and rigidity, reducing the risk cavitation and vibration. It ensures greater cooling capacity where it is needed - in the combustion chamber.



STRUCTURAL BLOCK

Cast-iron engine block with internal ribbing and greater wall thickness, ensuring higher rigidity, structural strength, reduced vibrations and engine noise.



FRACTURED CONROD

Fractured engine con rod ensures lower vibration and greater engine durability.



COMBUSTION CHAMBER WITH OPTIMIZED FLOW

The cylinder head and piston design ensures a perfect blend of air and fuel, endowing the engine with higher performance and efficiency in combustion.

PERFORMANCE LEADER

Since its introduction the BM series has been a market leader in its power segment. It's a heavy duty utility tractor ideally suited for Africa's farming conditions.



PIONEERING SPIRIT

PIONEERING SPIRIT IN 4-CYLINDER TURBO INTERCOOLER AGRICULTURAL ENGINES

The main feature of the Intercooler is a lower intake temperature. The result is reduced consumption and increased performance.



VERSATILE TRANSMISSIONS

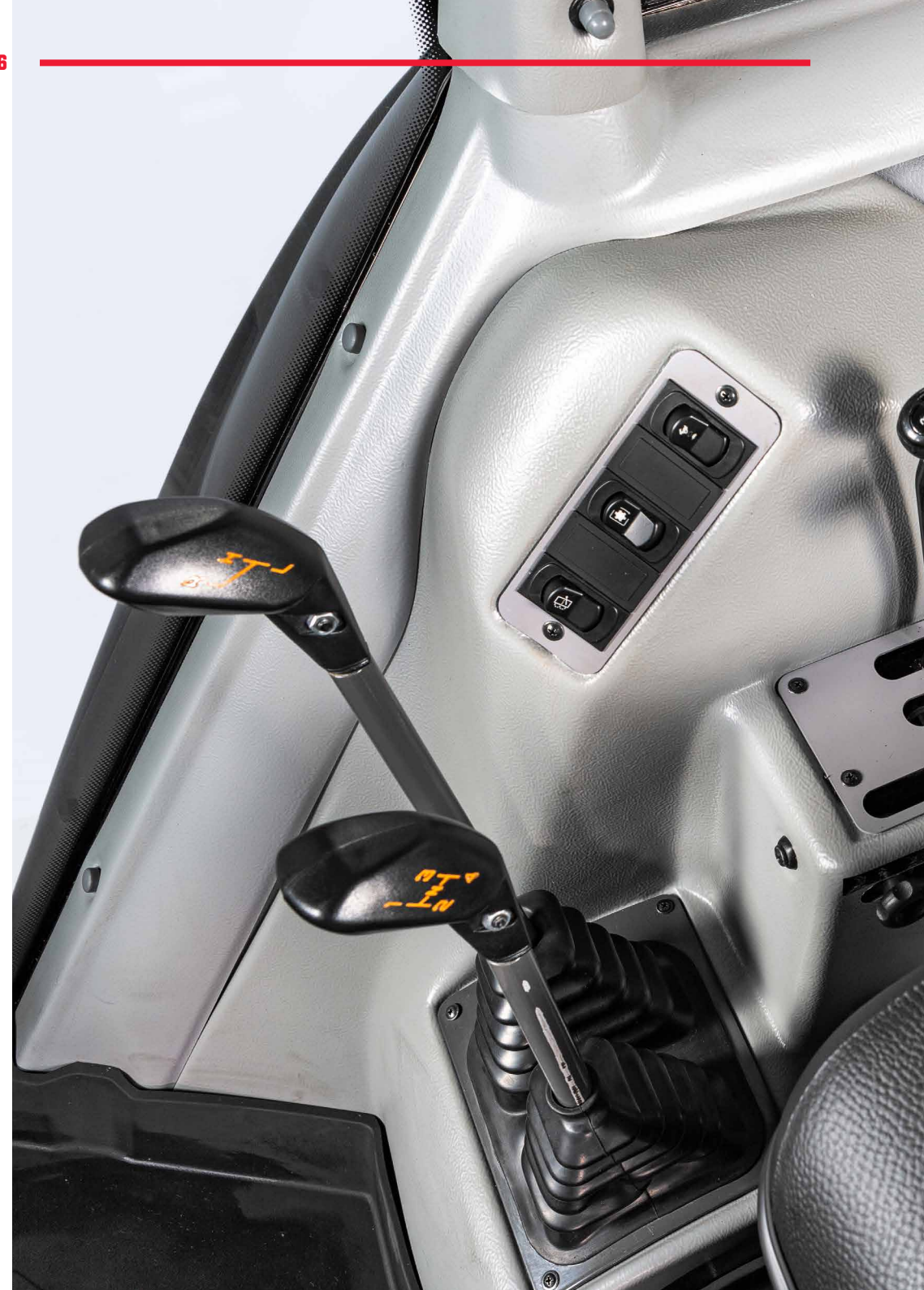
The transmission of the BM series was designed with a special focus on efficiency. The fully synchronised system uses meshed helical gears. It is available in two transmission types: 16F + 8R Multitorque or 16F + 8R Super Creeper.

MULTITORQUE TRANSMISSION

The Multitorque is a semi-powershift transmission that Valtra pioneered in the Brazilian Market. It enables a gear change without the need to use a clutch pedal.

CREEPER TRANSMISSION

The super creeper transmission reaches a minimum speed of 310 m/h at 1,860 engine rpm, which is ideal for low speed applications.

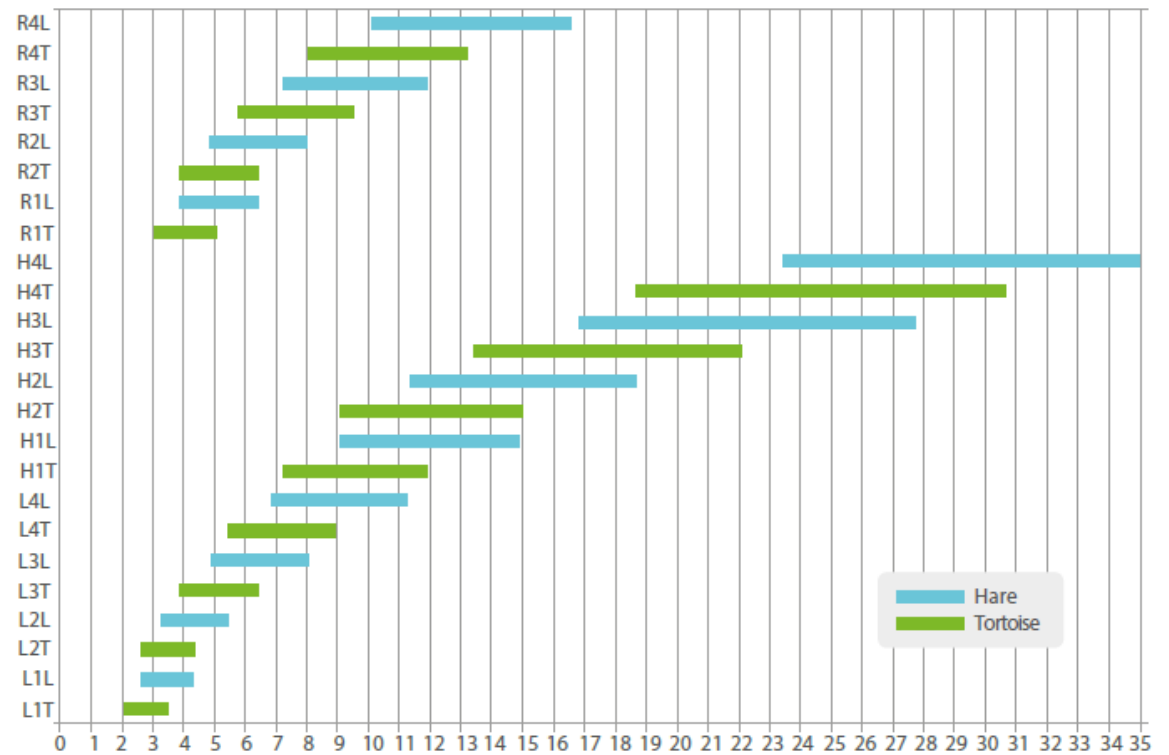




MAIN ADVANTAGES OF MULTITORQUE POWERSHIFT

- The ideal working speed can be achieved with varying working conditions
- Increased durability of the clutch and engine components.
- Enhanced operator comfort.

MULTITORQUE SPEED CHART



BM SERIES TECHNICAL SPECIFICATIONS

MODELS		BM110	BM 125i
ENGINE			
Maximum power HP(kW)	@ 2300 rpm	116 (85)	132 (97)
Maximum torque (Nm)	@ 1400 rpm	430	460
Make		AGCO Power	
Number of cylinders		4	
Displacement		4400	
Aspiration		Turbo	Turbo intercooler
Injection system		Direct Injection Pump	
CLUTCH			
Type		Organic single disc	
Disc Diameter (mm)		330	
Operation		Mechanical	
TRANSMISSION			
Position of levers		Side	
Number of gears		16F + 8R (Multi-torque/std) or 16F + 8R (Super Creeper)	
POWER TAKE OFF			
Type		Independent	
Operation		Electrohydraulic	
Speeds (rpm - engine rpm)		540 (1860) or 1000 (2038)	
Speed options (rpm)		540 (standard) or 540/1000 (optional)	
Maximum Power (hp)		98	114
STEERING			
Type		Hydrostatic	
HYDRAULIC SYSTEM			
Maximum Pressure (kgf/cm ²)		180	
Pump flow (l/min) @ 2000 rpm		50	
Maximum lifting capacity Eyelet (kgf)		4760	
610 mm from the eye (kgf)		2820	
Remote Control Valves		2 double action valve, 1 with kickout	
Optional hydraulic kit		Constant Flow Kit	
TYRES			
Standard 4x4		14.9 - 26 R1 / 23.1 - 30 R1	
Optional 4x4		14.9 - 28 R1 / 18.4 - 38 R1	
BRAKES			
Type		Oil-bathed multi-disc	
Engagement		Hydraulic	
FUEL TANK			
Capacity		180	

MODELS		BM110	BM 125i
WEIGHTS & DIMENSIONS: 4X4 W/ STD TYRES			
Total length (mm)		5090	
Wheel base (mm)		2522	
Height (mm)		2860	
Width (mm)		2236	
Clearance (mm)		410	
Maximum weight supported (Kg)		7392	
Rear wheel track (mm)		1525 - 2125	
OPERATOR ENVIRONMENT			
Type		Platform / Cab	

THEORETICAL SPEEDS (KM/H)

Gear	18.4 - 34 R1 @ 2300 rpm			
	Multi-torque (16F+8R)		Super Creeper (16F+8R)	
	Tortoise	Hare	Tortoise	Hare
L1	3.1	3.9	0.39	3.9
L2	3.9	4.9	0.49	4.9
L3	5.8	7.3	0.72	7.3
L4	8.1	10.2	1.00	10.2
H1	10.8	13.5	1.33	13.5
H2	13.5	16.9	1.67	16.9
H3	19.9	25.1	2.47	25.1
H4	27.7	34.8	3.43	34.8
R1	5.1	6.4	0.63	6.4
R2	6.4	8.0	0.79	8.0
R3	9.5	11.9	1.18	11.9
R4	13.2	16.6	1.63	16.6

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 Valtra

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VALTRA is a worldwide brand of **AGCO**.