

BMH40A Material Handler



KEY SPECS

85,400 LB

52'

223HP Engine Horsepow

20KW Generator Rati **UP TO 19** Cab Riser Visibility

Built Right. Here.

The BMH40A from Brandt is designed and manufactured in North America and purpose built for the scrap material handling industry. This world-class heavy lifter delivers unmatched productivity with 24/7/365 support plus easy-to-find components for increased uptime.

1 Improved Productivity

With proven Deere components and rapid cycle times, the BMH40A allows you to do more in less time.

- Final Tier 4 PowerTech PSS 6.8L engine delivers net rated power of 223 hp at 1900 rpm.
- Market-leading swing speed and torque of 66,749 ft-lb maximize cycle times.
- Electric-over-hydraulic (EH) system provides ideal flow for maximum efficiency and productivity.

Increased Uptime

Second-to-none service and support paired with easy-to-maintain components means more uptime from your machine.

- Automatic reversing, cool-on-demand fan intervals keep the radiators free of debris.
- Excellent operator access and egress and localized ground access simplify daily maintenance.
- Superior service & Deere support paired with US and Canadian parts warehouses means more machine uptime.

Lower Operating Costs

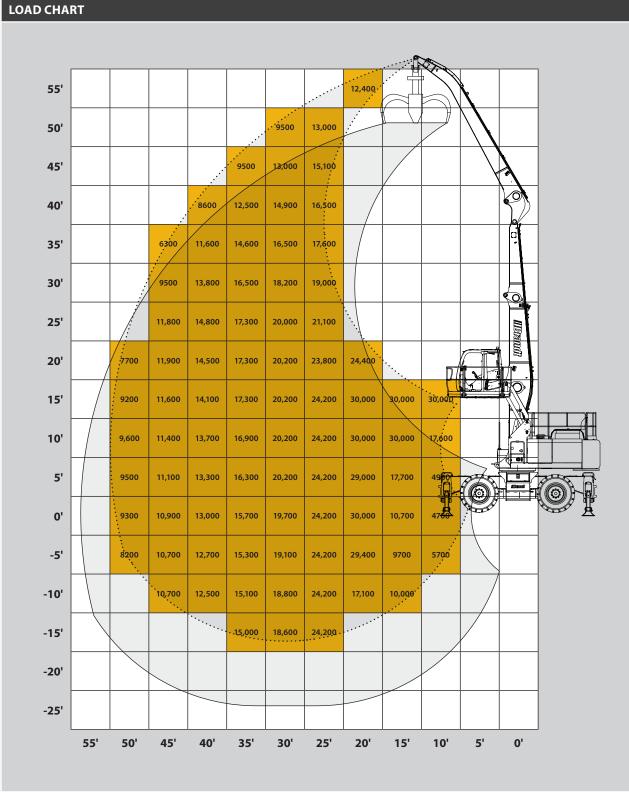
The energy recovery system and auto-idle/ shutdown maximize fuel efficiency. They also contribute to reduced cost of operation and wear of machine components.

- Nitrogen-filled cylinder and reservoir counteracts boom and arm weight to reduce fuel consumption.
- Auto-idle and auto-shutdown save fuel when the machine is inactive.
- Power modes adjust engine settings, allowing a focus on fuel economy, productivity, or both.



Powerful Value. Delivered.

operator, single solid (ire05,400 (0,50,780,80)WORKING FRONT52 (10m)Maximum Reach52 (10m)ENGINE100 Decre Powerfech*PSS 68L, 6068HT107Non-Road Emission StandardEPA Final Tire /4/EU Stage IVNere Rated Power (ISO 9249)22 Jbp (16K W) at 1900 rpmAspirationSeries turbocharged, air to-air charge air coolerGENERATOR20 kWVoltage20 kWVoltage20 kWVoltage20 kWVoltage20 kWVoltage20 kWSystemReversing cool- on-demand hydraulic driven, suction-type fan with remote-mounted driveHYDRAULIC SYSTEM Closed center, electronic over hydraulicHydraulicMaximum Pressure2 variable-displacement pumpsMaximum Reset Flow520 pai (35.852 kPa)Travel Speed1st 0 - 4.5 mph (0 - 7 km/h) / 2nd 0 - 13 mph (0 - 20 km/h)Travel Speed1st 0 - 4.5 mph (0 - 7 km/h) / 2nd 0 - 13 mph (0 - 20 km/h)Travel Speed1st 0 - 4.5 mph (0 - 7 km/h) / 2nd 0 - 13 mph (0 - 20 km/h)Travel Speed1st 0 - 4.5 mph (0 - 7 km/h) / 2nd 0 - 13 mph (0 - 20 km/h)Travel Speed00 statis 81 1400 24 / Singles. 4X 20.5 25SteringJoystick SteeringStrike StrikeMuttidisc, wetStrike StrikeMuttidisc, wetStrike Strike100 CCAAlkenator Rating100 CCAAlkenator Rating100 mpTorque66,749 lb-ft (80 500 Nm)ELECTICAL11 total: 2 on boom, 2 on arm, 2 FR chi, 1 BR chi, 1 FR of upper house nare DE; 2 RR of upper house, 1	OPERATING WEIGHT	
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Rear AxleFixedParking BrakeDisc, spring actuated hydraulic releaseService BrakeMultidisc, wetSWING SYSTEMSwing Speed8 RPMTorque66,749 lb-ft (90 500 Nm)ELECTRICALBattery Capacity1000 CCAAlternator Rating100 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (20.5 L)	Steering	Joystick Steering
Parking BrakeDisc, spring actuated hydraulic releaseService BrakeMultidisc, wetSWING SYSTEMSwing Speed8 RPMTorque66,749 lb-ft (90 500 Nm)ELECTRICALBattery Capacity1000 CCAAlternator Rating100 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank36 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Front Axle	Oscillating with auto hydraulic lock
Service BrakeMultidisc, wetSWING SYSTEMSwing Speed8 RPMTorque66,749 lb-ft (90 500 Nm)ELECTRICALBattery Capacity1000 CCAAlternator Rating1000 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (20.5 L)	Rear Axle	Fixed
SWING SYSTEMSwing Speed8 RPMTorque66,749 lb-ft (90 500 Nm)ELECTRICAL1000 CCABattery Capacity1000 CCAAlternator Rating100 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Parking Brake	
Swing Speed8 RPMTorque66,749 lb-ft (90 500 Nm)ELECT RICALELECT RICALBattery Capacity1000 CCAAlternator Rating1000 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Service Brake	Multidisc, wet
Torque66,749 lb-ft (90 500 Nm)ELECTRICALBattery Capacity1000 CCAAlternator Rating100 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	SWING SYSTEM	
ELECTRICAL Battery Capacity 1000 CCA Alternator Rating 100 amp LED Work Lights 11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hood REFILL CAPACITIES Fuel Tank 136 gal (514 L) Diesel Exhaust Fluid (DEF) Tank 9.2 gal (35 L) Cooling System 9.5 gal (36 L) Engine Oil with Filter 5 gal (20.5 L)	Swing Speed	8 RPM
Battery Capacity1000 CCAAlternator Rating100 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESEvel TankFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Torque	66,749 lb-ft (90 500 Nm)
Alternator Rating100 ampLED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	ELECTRICAL	
LED Work Lights11 total: 2 on boom, 2 on arm, 2 FR cab, 1 RR cab, 1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Battery Capacity	1000 CCA
LED Work Lights1 FR of upper house near DEF, 2 RR of upperhouse, 1 under hoodREFILL CAPACITIESFuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Alternator Rating	100 amp
Fuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	LED Work Lights	
Fuel Tank136 gal (514 L)Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	REFILL CAPACITIES	
Diesel Exhaust Fluid (DEF) Tank9.2 gal (35 L)Cooling System9.5 gal (36 L)Engine Oil with Filter5 gal (20.5 L)	Fuel Tank	136 gal (514 L)
Engine Oil with Filter 5 gal (20.5 L)	Diesel Exhaust Fluid (DEF) Tank	-
	Cooling System	9.5 gal (36 L)
Hydraulic Tank 41 gal (156 L)	Engine Oil with Filter	5 gal (20.5 L)
	Hydraulic Tank	41 gal (156 L)



Attachment weight must be deducted from the values to get lift capacity, as values represent load on yoke. Values are in lbs and conform to ISO 10567 and ASME B30.25, and do not exceed 75% tipping and 87% hydraulic capacity on firm level ground. Values are with both outriggers down on firm level ground, and can be slewed to 360°. Values are based on the machine using nitrogen system.

BMH40A MATERIAL HANDLER FEATURES



Operator Comfort

The standard air ride seat is adjustable with both heating and cooling options to keep operators comfortable for the entire shift. Machine monitoring controls, climate controls, and audio buttons are all easily accessible and require minimal operator hand movements.

Visibility

The hydraulic cab riser offers a 19' operator view, while rear and boom side cameras help eliminate blind spots. An additional camera can also be installed. Joystick steering comes standard, eliminating the steering column, increasing operator visibility, and improving overall operator leg room.

Access and Egress

The standard full-perimeter handrails on top of the machine protect operators while performing daily maintenance tasks. Three-point contact can be maintained by operators while accessing both the upper house and the undercarriage from the ground.

FOG & Ballistic Glass

Polycarbonate front window and skylight is included standard, along with the front window/top of cab falling object guarding system (FOGS) that protects the operator and cab from large debris/material. Optional upgrades include shatter-proof windows on boom-side and driver-side.

Mobility

A wheeled undercarriage balances machine mobility and stability. The all-wheel drive, 2-speed transmission provides top speeds of up to 11 miles (18 km) an hour. Full drivetrain guarding comes standard and protects critical components, while the two swing-away center-guards allow easy maintenance access.

Reversing Cooling Fan

The cool-on-demand hydraulic reversing fan has programmed automatic reversing intervals, as well as manual activation, which back-blows cooler cores to reduce debris buildup. Additionally, the smaller radiators are swing out to allow greater access to all cooling cores. This design also ensures maximum fuel efficiency, reduced noise levels, and faster engine warm up.

Fire Suppression

Optional powder fire suppression system automatically activates when flame is detected in engine bay. It can also be manually activated from the ground or in the cab.

Rotary Encoder Limit Switches

Rotary encoders act as limit switches to constantly monitor boom/arm placement and prevent the operator from accidentally contacting the cab with the attachment. When the arm enters the Cab Contact Zone, hydraulic function automatically reduces to approximately 60% of operating speed, allowing safe and controlled movement of the attachment out of the cab area.

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