

Challenger MT400B SERIES

Challenger[®] MT400B SERIES



We're up to
The Challenge

MT400B SERIES

65 to 100 PTO HP

Today's Tractors

for today's needs

Make no mistake about it. Challenger® MT400B tractors have always delivered the power, comfort, strength and maneuverability you've come to expect from the Challenger brand. These are tough tractors.

But technology continues to evolve, which means there's always room for improvement. So we stretched the product range; introduced new styling; increased horsepower ratings, and expanded our reputation for performance with the next generation of MT400B Series models.

More Power from New Engines

With Caterpillar® power across the board and Tier III compliance on most models, the redesigned MT400B Series now covers the full range from 65 to 100 PTO horsepower (48 – 75 kW) with five models.

The MT425B, MT445B, MT455B and MT465B feature a new Cat 4.4C Tier III engine. For the ultimate balance of power to weight, the newly introduced MT475B features a Tier III Caterpillar 6.6C in-line six-cylinder diesel.

Smooth, Easy Shifting

For maximum efficiency and productivity, all models feature the versatile Auto-Power IV transmission that allows clutchless shifting through four ranges and four speeds within each range. Challenger has designed the transmission so shifting is controlled by one T-style lever conveniently located on the right-hand console. In addition, the multi-function power shuttle, located on the steering column, provides fingertip directional change, declutching and speed changes within a selected range.

Power To Move The Load

MT400B Series tractors are equipped to handle a wide variety of tasks, whether the job is up front or behind the tractor. The electronically controlled rear 3-point hitch, for example, features

electronic draft sensing and a lift capacity of up to 9,189 lbs (4,168 kg), which is standard on the MT475B and optional on all other models.

With a standard hydraulic flow of 26.4 gpm (100 lpm) at the remotes, MT400B Series tractors deliver more flow, which comes in handy for loader work. For greater or lesser needs, a 15-gpm (57 lpm) open-center hydraulic system or 29-gpm (110 lpm) closed-center system are optional.

For even more versatility, all models can be equipped with an optional front 3-point hitch and front hydraulic remotes; plus, the new MT475B can be equipped with a front PTO.

New, Functional Styling

The styling on the redesigned MT400B Series tractors is more than just pleasing to the eye. The new one-piece hood also allows easier access to the engine and cooling systems for routine service and maintenance. When closed, it also helps direct air flow and seal against outside dust and debris.

The MT475B, with its 6-cylinder engine, even features a new expanding cooling package that allows cooling units and heat exchangers to tilt up and away from each other for complete access and easy cleaning.

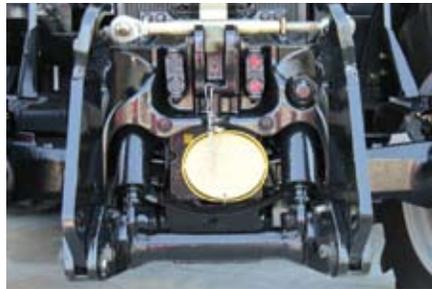
Have It Your Way

Despite the revolutionary changes in the MT400B Series, you can still have it your way on most models. Take your choice of 2-wheel-drive or all-wheel drive and cab or open platform (cab only on MT475B). Then add your choice of PTO, hydraulic and creeper transmission options. Challenger even offers three different sizes of front-end loaders in a choice of standard or mechanical self-leveling configurations to push versatility even further. No matter how you outfit it, though, the Challenger MT400B Series is today's answer for today's needs.





The redesigned hood lifts at the front for quick, easy access to the cooling system and front of the engine.



A restyled front casting on the new 100-horsepower (75 kW) MT475B allows the option of a front-mounted PTO, as well as the factory-installed 3-point hitch and hydraulic remotes available on all models.



The multi-function power shuttle puts directional change, powershifts and transmission declutching right at your fingertips.



The new expanding cooling system on the MT475B combined with a cassette-type air filter that can be replaced quickly, makes service even less time-consuming.

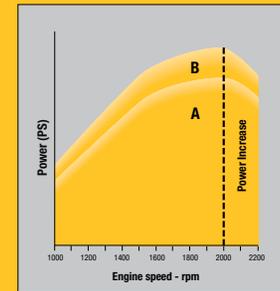


The Auto-Power IV transmission has all powershift and range shift controls on one pivoting T-handle lever.

Economic Power To Spare

There's more to the new-generation 4.4C and 6.6C CAT engines than lower emissions and Tier III compliance. Electronic control, coupled with new common-rail fuel systems, allows them to deliver more power, while providing improved torque and better fuel economy. That includes a transport boost of 10 horsepower while under load* in third or fourth gear.

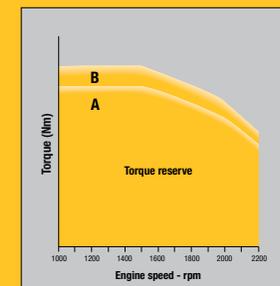
POWER



Power curve, including power increase as engine speed falls between 2,200 and 2,000 rpm.

- A. Normal power curve.
- B. Extra power available when 3rd or 4th gear is selected.

TORQUE



Torque curve illustrating how "pulling power" is maintained and even increased, thanks to the power boost, as engine speed falls.

- A. Normal torque curve
- B. Extra torque available when 3rd or 4th gear is selected.

SPECIFICATIONS

Challenger MT400B SERIES

Model	425 Tier III	445 Tier III	455 Tier III	465 Tier III	475 Tier III
PTO HP @ 2,200 erpm (kW)	65 (48)	75 (56)	85 (63)	95 (71)	100 (75)
Engine manufacturer	Cat	Cat	Cat	Cat	Cat
Engine model	4.4C	4.4C	4.4C	4.4C	6.6C
Aspiration/charge cooling	Turbo/Air to Air	Turbo/Air to Air	Turbo/Air to Air	Turbo/Air to Air	Turbo/Air to Air
Cylinders	4/Direct/Diesel	4/Commonrail/Diesel	4/Commonrail/Diesel	4/Commonrail/Diesel	6/Commonrail/Diesel
Total displacement: CID (L)	269 (4.4)	269 (4.4)	269 (4.4)	269 (4.4)	402 (6.6)
Fuel: Gal (L)	38 (145)	38 (145)	38 (145)	38 (145)	38 (145)
Optional tank: Gal (L)	12 (45)	12 (45)	12 (45)	12 (45)	17 (65)
Transmission					
16 x 16 Autopower IV, 4 ranges, multifunct. Power Shuttle	Std./opt. creeper	Std./opt. creeper	Std./opt. creeper	Std./opt. creeper	Std./opt. creeper
3-Point Hitch					
ASAE category	II	II	II	II	II
Lift capacity @ 24" (610 mm) lbs. (kg) std./opt.	7,817 (3,546)/9,189 (4,168)	7,817 (3,546)/9,189 (4,168)	7,817 (3,546)/9,189 (4,168)	7,817 (3,546)/9,189 (4,168)	9,189 (4,168) std.
Type of draft sensing	Top link	Top link	Lower link	Lower link	Lower link
4wd Front Axle					
Engagement	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Tread width min/max: in. (mm)	60.6 (1,538) / 79.8 (2,026)	60.6 (1,538) / 79.8 (2,026)	60.6 (1,538) / 79.8 (2,026)	60.6 (1,538) / 79.8 (2,026)	60.6 (1,538) / 79.8 (2,026)
Rear Axle					
Differential lock:	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Dimensions					
Length: in. (mm)	165.7 (4,210)	165.7 (4,210)	167.7 (4,260)	169.3 (4,300)	189.7 (4,818)
Height over cab: in. (mm)	108.3 (2,752)	108.3 (2,752)	108.3 (2,752)	109.1 (2,770)	110.2 (2,800)
Width min/max: in. (mm)	79.3 (2,014)/100.4 (2,550)	79.3 (2,014)/100.4 (2,550)	79.3 (2,014)/100.4 (2,550)	79.3 (2,014)/100.4 (2,550)	79.3 (2,014)/100.4 (2,550)
Wheelbase: in. (mm)	100 (2,552)	100 (2,552)	100 (2,552)	100 (2,552)	111 (2,827)
Weight, 2wd/4wd cab lbs. (kgs)	9,060 (4,110)/9,770 (4,431)	9,198 (4,172)/9,848 (4,467)	9,198 (4,172)/9,848 (4,467)	9,402 (4,265)/10,112 (4,587)	11,195 (5,078)/11,905 (5,400)
Power Take-Off (PTO)					
Type:	Independent	Independent	Independent	Independent	Independent
PTO speed	540/1,000 or opt. economy	540/1,000 or opt. economy			
Auxiliary Hydraulics					
Type: (2 valves std./4 opt. on all systems)	Open center	Open center	Open center	Open center	Open center
Maximum hyd. flow@remotes, gpm (lpm) std./opt.	26 (100)/15 (57)	26 (100)/15 (57)	26 (100)/15 (57)	26 (100)/15 (57)	26 (100)/15 (57)
Type: (Option on cab models only)	N/A	Closed center	Closed center	Closed center	Closed center
Maximum hyd. flow@remotes, gpm (lpm) std./opt.	N/A	29 (110)	29 (110)	29 (110)	29 (110)
Power Steering/Wet Brakes					
Steering column	Tilt/telescopic	Tilt/telescopic	Tilt/telescopic	Tilt/telescopic	Tilt/telescopic
Operator's Area					
Type of operator area (cab or open platform)	Both	Both	Both	Both	Cab only
Cab sound level dB(A)	75	75	75	75	75
Cab glass area (ft ²) (m ²)	61 (5.7)	61 (5.7)	61 (5.7)	61 (5.7)	61 (5.7)

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