5003ZT
6003

Compact Excavators

OPERATOR'S MANUAL

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Mustang 5003ZT and 6003 Compact Excavator Operator Manual

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Machine: Compact Excavator

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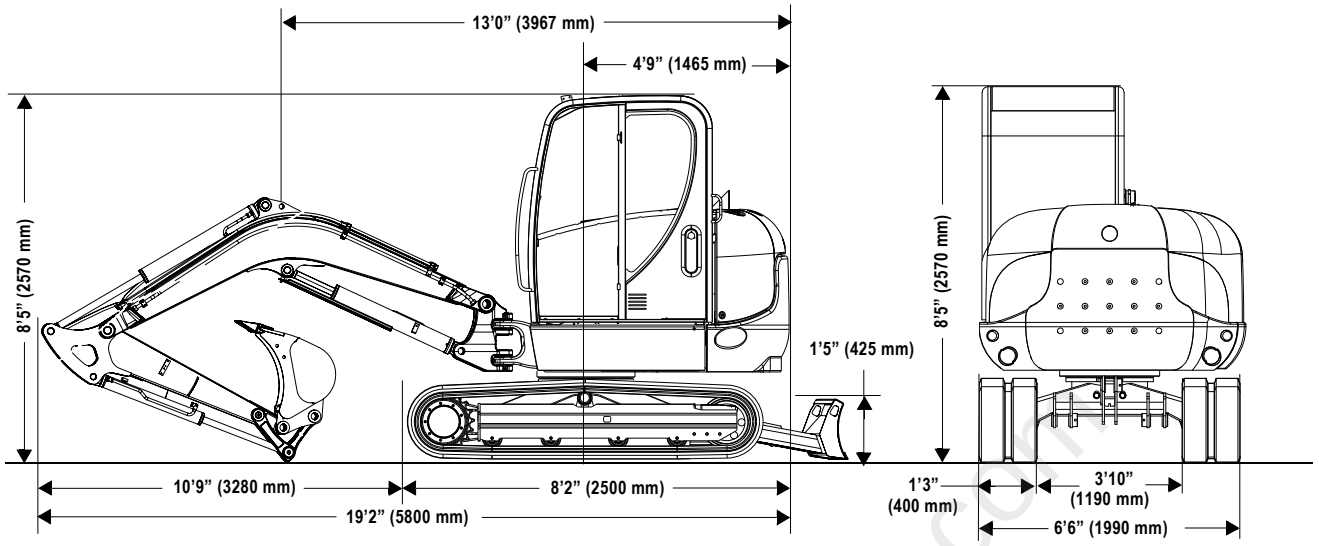
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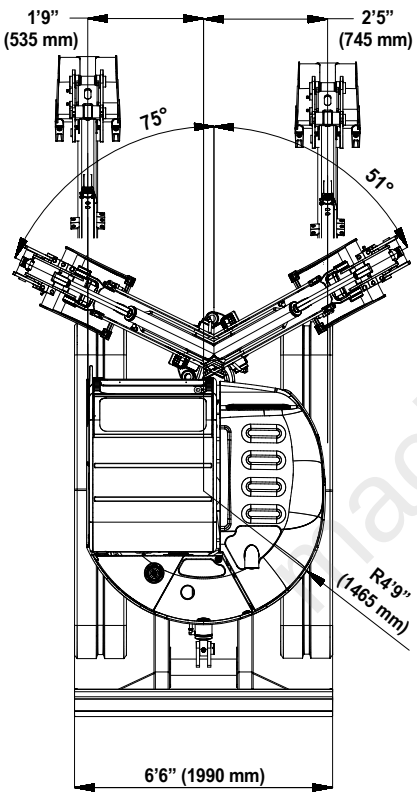
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Sample pages follow. Full manual: machinecatalogic.com

6003 General Specifications





General Specifications	6003
Weight	12,566 lbs. (5700 kg)
Height	8'5" (2570 mm)
Width	6'6" (1990 mm)
Transport length	19'0" (5800 mm)
Dipper arm length (Standard Arm)	5'6" (1685 mm)
Dipper arm length (Optional Long Arm)	6'6" (1985 mm)
Max. digging depth w/ Standard Arm	12'7" (3845 mm)
Max. digging depth w/ Optional Long Arm	13'7" (4140 mm)
Max. vertical digging depth w/ Standard Arm	9'4" (2855 mm)
Max. vertical digging depth w/ Optional Long Arm	10'3" (3135 mm)
Max. digging height w/ Standard Arm	18'6" (5660 mm)
Max. digging height w/ Optional Long Arm	19'2" (5850 mm)
Max. dump height w/ Standard Arm	13'1" (3995 mm)
Max. dump height w/ Optional Long Arm	13'8" (4185 mm)
Max. digging radius w/ Standard Arm	20' 4" (6210 mm)
Max. digging radius w/ Optional Long Arm	21'3" (6490 mm)
Max. reach at ground level w/ Standard Arm	19'11" (6090 mm)
Max. reach at ground level w/ Optional Long Arm	20'11" (6380 mm)
Max. breakout force at bucket tooth	8,925 lbf (39.7 kN)
Max. tearout force (Standard Arm)	6,317 lbf (28.1 kN)
Max. tearout force (Optional Long Arm)	5,642 lbf (25.1 kN)
Min. tail end slewing radius	4'9" (1465 mm)
Max. tail end lateral projection over tracks	1'6" (470 mm)
Max. boom distance to bucket center (right side)	2'5" (745 mm)
Max. boom distance to bucket center (left side)	1'9" (535 mm)
Max. boom slew angle (left side)	75°
Max. boom slew angle (right side)	51°

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Different applications may require optional safety equipment. Users must evaluate the worksite hazards and equip the machine and the operator as necessary. The information in this manual does not replace any applicable safety rules and laws. Before operating the machine, learn the rules and laws for the local area. Make sure the machine is equipped as required according to these rules/laws.

Remember that some risks to your health may not be immediately apparent. Exhaust gases and noise pollution may not be visible, but these hazards can cause permanent injuries.

Some photographs in this manual may show doors, guards and shields open or removed for the purposes of illustration only. Be sure all doors, guards, shields and panels are in the proper operating positions before starting the engine to operate the machine.

Do not modify the Falling Object Protective Structure ("FOPS") unless instructed to do so in approved installation instructions. Modifications, such as welding, drilling or cutting, can weaken the structure and reduce the protection it provides. A damaged protective structure cannot be repaired – it must be replaced.

For safety reasons, use only genuine service parts. For example, using incorrect fasteners could lead to a condition in which the safety of critical assemblies is dangerously compromised.

The machine is designed and intended to be used only with approved attachments. To avoid possible personal injury, equipment damage or performance problems, use only attachments that are approved for use on and within the rated operating capacity of the machine. Contact your dealer or the Manitou Americas, Inc. service department for information about attachment approval and compatibility with specific machine models. Manitou Americas, Inc. cannot be responsible if the machine is used with non-approved attachments.

Do not use the machine for any application or purpose other than described in this manual.

Unauthorized Modifications

Any machine modification made without authorization from Manitou Americas, Inc. could create a safety hazard, for which the machine owner would be responsible.

For safety reasons, use only genuine replacement service parts. For example, using incorrect fasteners could lead to a condition in which the safety of critical assemblies is dangerously compromised.

Attachment Precautions

Optional kits are available through your dealer. Contact your dealer or the Manitou Americas, Inc. service department for information on available one-way (single-acting) and two-way (double-acting) piping/valving/auxiliary control kits. Because Manitou Americas, Inc. cannot anticipate, identify and test all of the attachments that owners may want to install on their machines, please contact Manitou Americas, Inc. for information on approval of attachments, and their compatibility with optional kits.

MANDATORY SAFETY SHUTDOWN PROCEDURE

Before leaving the machine:

1. Bring the machine to a complete stop on a level surface. Avoid parking on an incline or a hillside, but if this is not possible, park across the slope.
2. Lower the working equipment to the ground and support it securely.
3. Run the engine at idle speed for a few minutes to allow systems to cool after operation at full speed.
4. Turn the key fully counter-clockwise to shut off the engine. Wait for all movement to stop.
5. Move the joysticks in all directions to verify the hydraulic system is de-pressurized.
6. Lock out controls by raising left control console.
7. Remove the ignition key and take it with you. Exit the machine using the hand-holds.

OPERATION SAFETY

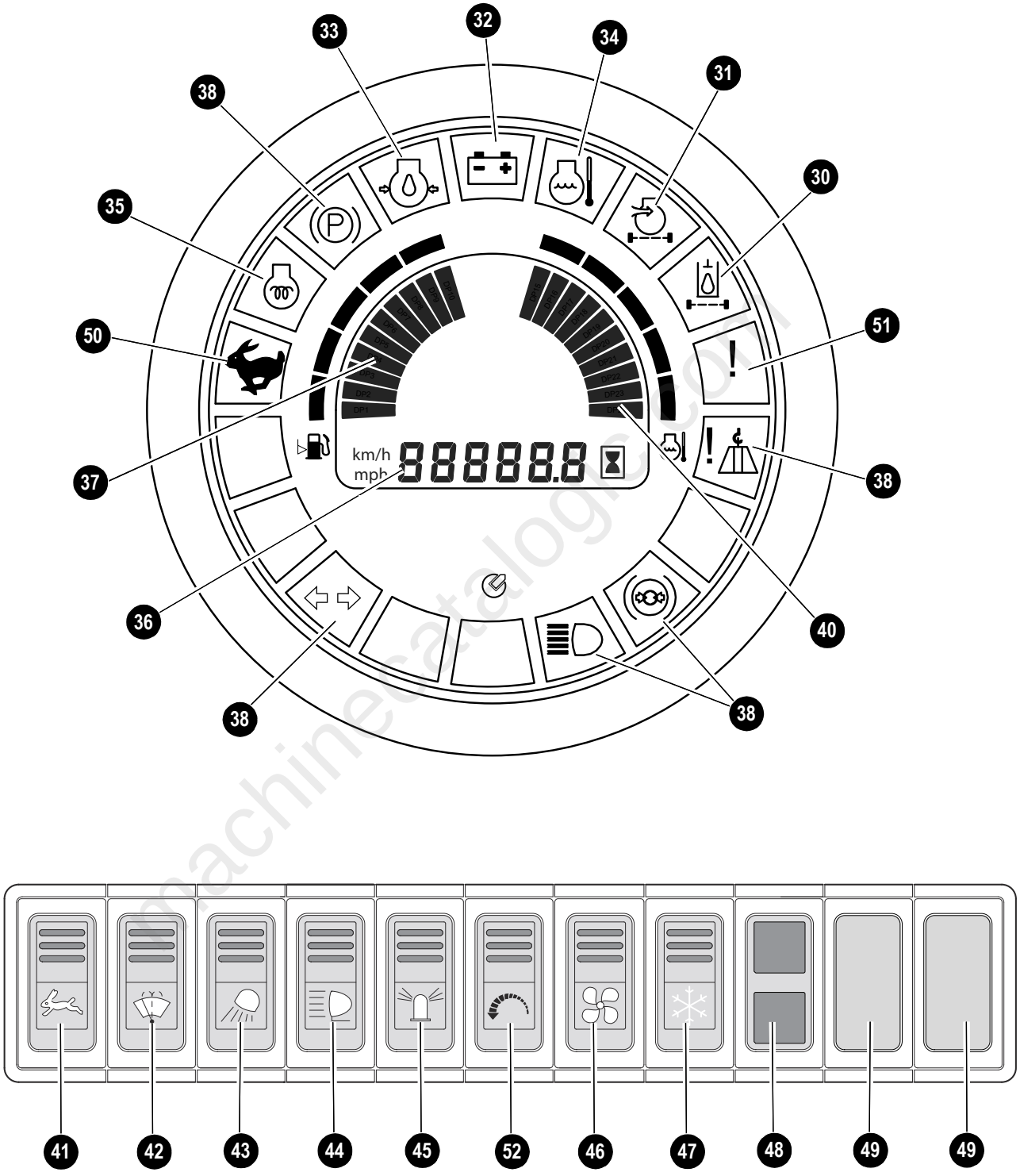
Before Operation

Contact the proper local authorities for utility line locations BEFORE starting to dig. In North America, contact the North American One-Call Referral System at 8-1-1 in the U.S., or 1-888-258-0808 in the U.S. and Canada.

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Figure 3-6 Instrument Panel, Switches and Indicators

Model 6003 -- Serial Numbers AH00579 to AH02282



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Maintenance Safety

- Never service the machine without reading the applicable instructions.
- Always lower bucket and dozer blade to the ground before performing any maintenance.
- Use correct procedures to lift and support the machine. Always lift the blade fully before installing jackstands.
- Keep engine cover and hydraulic valve cover closed except for service. Close and latch covers before operating the machine.
- Be sure to have area properly ventilated when grinding or welding parts. Wear a dust mask.
- Exhaust fumes can kill. Exhaust system must be tightly sealed. If working in an enclosed area, vent exhaust to outside when engine must be run for service.
- Never modify equipment or add unapproved attachments.
- Before checking fluid levels, stop engine and let cool, and then clean any flammable materials from the engine and engine compartment.
- Never service or adjust machine with the engine running unless the service procedure requires it.
- Avoid contact with leaking hydraulic fluid and diesel fuel under pressure, which can penetrate the skin and eyes. NEVER use your hands to search for hydraulic fluid leaks; use a piece of paper or cardboard. Escaping fluid under pressure can be invisible and can penetrate skin and cause serious injury. If any fluid is injected into your skin, get immediate medical attention. Injected fluid MUST be surgically removed or gangrene may result.
- Never fill fuel tank with engine running, while smoking or when near open flame.
- Wipe up fuel spills immediately.
- Keep body, jewelry and clothing away from moving parts, electrical contacts, hot parts and exhaust.
- Wear eye protection when servicing the machine.
- Lead-acid batteries produce flammable and explosive gas. Keep arcs, sparks, flames and lighted tobacco away from batteries.
- Batteries contain acid, which burns eyes and skin on contact. Wear protective clothing. If acid contacts body, flush well with water. For eye contact, flush well with water and get immediate medical attention.

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Problem	Possible Cause		Corrective Action
Engine overheats	Oil level too low		Add engine oil; see “Checking Engine Oil Level” on page 4-9
	Fouled oil cooler fins		Clean oil cooler; contact authorized service center
	Damaged fan. Damaged or loose V-belt		Replace the fan / service V-belt; see “Checking and Adjusting V-Belt Tension” on page 4-22 or “Checking and Adjusting Air Conditioning V-Belt Tension” on page 4-22; contact authorized service center
	Coolant level too low		Add coolant; see “Checking Coolant Level” on page 4-14
	Oil level too high		Adjust oil level; see “Changing Engine Oil and Filter” on page 4-10
	Oil level too low		Add engine oil; see “Checking Engine Oil Level” on page 4-9
	Malfunctioning fuel injector(s)		Repair fuel injector(s); contact authorized service center
High engine oil consumption	Oil level too high		Adjust oil level; see “Changing Engine Oil and Filter” on page 4-10
	Machine inclination too high		15° maximum inclination up and across slopes; 25° maximum inclination down slopes
	Incorrect engine oil SAE grade		Replace engine oil with proper grade; see “Fluid Capacities/Lubricants” on page 1-4
Engine smoke	Blue	Oil level too high	Adjust oil level; see “Changing Engine Oil and Filter” on page 4-10
		Machine inclination too high	15° maximum inclination up and across slopes; 25° maximum inclination down slopes
	White	Incorrect fuel grade	Replace fuel with proper grade; see “Fluid Capacities/Lubricants” on page 1-4
		Engine starting temperature too low	Wait for engine pre-heat cycle to complete before starting engine
		Incorrect engine valve clearance	Adjust valve clearance; contact authorized service center
		Malfunctioning fuel injector(s)	Repair fuel injector(s); contact authorized service center
	Black	Air filter contaminated	Service air filter; see “Air Cleaner Service” on page 4-10
		Incorrect engine valve clearance	Adjust valve clearance; contact authorized service center
		Malfunctioning fuel injector(s)	Repair fuel injector(s); contact authorized service center

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Full Version Available

Mustang 5003ZT and 6003 Compact Excavator Operator Manual

Mustang 5003ZT and 6003 compact excavator operator manual, Pub. 918078 Rev. F: controls, maintenance, fluids, error codes. Instant PDF download.

VIEW THE FULL MANUAL

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