

Kubota Throttle (2-speed)

Super Mini Z482, Z602, D662, D722, D782, and D902

Description

The Kubota (CTE 2-speed throttle control solenoid kits are designed to control the throttle lever. The system enables electronic 2-speed throttle control on the Kubota Super Mini series engines. The kit includes a mounting bracket, installation hardware, the throttle linkage, and a solenoid. The kit mounts on the bracket directly to the fuel pump and through linkage to the throttle lever ensuring a highly compact and easy to install package.

Where used:

- Newly build applications;
- To convert to 2-speed control;
- 12 or 24 Vdc battery systems.

Control types

The Kubota (CTE throttle kits are available in three styles, depending on the desired control type.

Operation	Solenoid type	Termination	12Vdc	24Vdc
Style 1	TC	2-terminal (Bat + / Bat -)	KSM-T1-12	KSM-T1-24
Style 2	TC	3-wire (Pull + / Hold + / Bat -)	KSM-T2-12	KSM-T2-24
Style 3	SC +	3-wire (Bat + / Bat - / Control (low-amp +)	KSM-T3-12	On request

Style 3

Style 3 is the most advanced and innovative solution. The next generation *smart* solenoid has integrated electronics to eliminate the need for separate control components and allow the operator to engage the solenoid with a low amp control signal.

Kit components	
Solenoid	Style 1, or 2, or 3
Bracket	Standard Super Mini
Mounting hardware	Standard Super Mini
Linkage hardware*	Special Super Mini

* Includes a special linkage with an adjuster to allow the user to fine-tune the engine rpm with all components already installed on the engine.



Kit installed on Kubota D902 with style 3 solenoid. Run/stop solenoids are sold separately.

System packaging is done to meet our customer's requirements. The application for which the engine is used determines what is the best solution. Get in touch with our Sales team to explore your requirements and the possibilities for your application.

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Technical Specifications

Solenoid Style 1 (KSM-T2)		
Operating Voltage	12 Vdc	24 Vdc
Rated current at 20°C (pull/hold)	46 / 1,1 A max.	25 / 0,5 A max.
Stroke	25 mm (+/- 0,5 mm) max.	
Termination	Screw terminals (protective cover optional)	
Temperature	-40 °C to 120 °C	
Materials	Corrosion-resistant	
Weight	700 gram (solenoid) / 500 gram (bracket+linkage)	
Solenoid Style 2 (KSM-T2)		
Operating voltage	12Vdc	24Vdc
Rated current at 20°C	46 / 1,1 A max.	25 / 0,5 A max.
Stroke	25 mm (+/- 0,5 mm)	
Termination	Lead wires, 15 cm min. (connector optional)	
Temperature	-40 °C to 120 °C	
Materials	Corrosion-resistant	
Weight	700 gram (solenoid) / 500 gram (bracket+linkage)	
Solenoid Style 3 (KSM-T3)		
Operating voltage	12 Vdc (6-15 Vdc)	
Rated current at 20°C (pull/hold)	<50 A / <1 A max.	
Termination	Lead wires, 15 cm min. (connector optional)	
Temperature	-40 °C to 105 °C	
Materials	Corrosion-resistant	
Weight	750 gram (solenoid) / 500 gram (bracket+linkage)	

IMPORTANT: Except for style 3, solenoids need to be protected against burn-out. Special commander modules and fuses are available to perform this function. Please contact our Sales team for more information.