

ORIGINAL INSTRUCTIONS

# OPERATOR'S MANUAL

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**T7.220**

**T7.235**

**T7.250**

**T7.260**

**T7.270**

Sidewinder II™

Auto Command - Power Command Tractor

**Part number 47457140**

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## OPERATOR'S MANUAL



**T7.220 AutoCommand , T7.220 Power Command , T7.235 AutoCommand ,  
T7.235 Power Command , T7.250 AutoCommand , T7.250 Power Command ,  
T7.260 AutoCommand , T7.260 Power Command , T7.270 AutoCommand**

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**EVERY 3600 HOURS OR EVERY 2 YEARS**

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**EVERY 36 MONTHS**

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# 1 - GENERAL INFORMATION

## METRIC AND IMPERIAL UNITS ABBREVIATIONS

Typical applications	Metric unit		Imperial unit	
	Name	Symbol	Name	Symbol
<b>Area (Land area)</b>				
	hectare	<b>ha</b>	acre	<b>ac</b>
	square meter	<b>m<sup>2</sup></b>	square foot	<b>ft<sup>2</sup></b>
	square millimeter	<b>mm<sup>2</sup></b>	square inch	<b>in<sup>2</sup></b>
<b>Electricity</b>				
	ampere	<b>A</b>	ampere	<b>A</b>
	volt	<b>V</b>	volt	<b>V</b>
	microfarad	<b>μF</b>	microfarad	<b>μF</b>
	ohm	<b>Ω</b>	ohm	<b>Ω</b>
<b>Force</b>				
	kilonewton	<b>kN</b>	pound	<b>lb</b>
	newton	<b>N</b>	pound	<b>lb</b>
<b>Force per length</b>				
	newton per meter	<b>N/m</b>	pound per foot	<b>lb/ft</b>
			pound per inch	<b>lb/in</b>
<b>Frequency</b>				
	megahertz	<b>MHz</b>	megahertz	<b>MHz</b>
	kilohertz	<b>kHz</b>	kilohertz	<b>kHz</b>
	hertz	<b>Hz</b>	hertz	<b>Hz</b>
<b>Frequency - Rotational</b>				
	revolution per minute	<b>r/min</b>	revolution per minute	<b>r/min<sup>a</sup></b>
		<b>rpm</b>		<b>rpm</b>
<b>Length</b>				
	kilometer	<b>km</b>	mile	<b>mi</b>
	meter	<b>m</b>	foot	<b>ft</b>
	centimeter	<b>cm</b>	inch	<b>in</b>
	millimeter	<b>mm</b>	inch	<b>in</b>
	micrometer	<b>μm</b>		
<b>Mass</b>				
	kilogram	<b>kg</b>	pound	<b>lb</b>
	gram	<b>g</b>	ounce	<b>oz</b>
	milligram	<b>mg</b>		
<b>Mass per Mass</b>				
	milligram per kilogram	<b>mg/ kg</b>		
<b>Power</b>				
	kilowatt	<b>kW</b>	horsepower	<b>Hp</b>
	watt	<b>W</b>	Btu per hour	<b>Btu/hr</b>
			Btu per minute	<b>Btu/min</b>
<b>Pressure or stress (Force per area)</b>				
	kilopascal	<b>kPa</b>	pound per square inch	<b>psi</b>
			inch of mercury	<b>inHg</b>
	pascal	<b>Pa</b>	inch of water	<b>inH<sub>2</sub>O</b>
	megapascal	<b>MPa</b>	pound per square inch	<b>psi</b>

1 - GENERAL INFORMATION

Typical applications	Metric unit		Imperial unit	
	Name	Symbol	Name	Symbol
Temperature (other than Thermodynamic)				
	degrees Celsius	°C	degrees Fahrenheit	°F
Time				
	hour	<b>h</b>	hour	<b>h</b>
	minute	<b>min</b>	minute	<b>min</b>
	second	<b>s</b>	second	<b>s</b>
Torque (includes Bending moment, Moment of force, and Moment of a couple)				
	newton meter	<b>N m</b>	pound foot	<b>lb ft</b>
			pound foot	<b>lb in</b>
Velocity				
	kilometer per hour	<b>km/h</b>	mile per hour	<b>mph</b>
	meter per second	<b>m/s</b>	foot per second	<b>ft/s</b>
	millimeter per second	<b>mm/s</b>	inch per second	<b>in/s</b>
	meter per minute	<b>m/min</b>	foot per minute	<b>ft/min</b>
Volume (includes Capacity)				
	cubic meter	<b>m<sup>3</sup></b>	cubic yard	<b>yd<sup>3</sup></b>
				<b>cu yd</b>
	liter	<b>l</b>	cubic inch	<b>in<sup>3</sup></b>
	liter	<b>l</b>	US gallon	<b>US gal</b>
			UK gallon	<b>UK gal</b>
			US quart	<b>US qt</b>
			UK quart	<b>UK qt</b>
	milliliter	<b>ml</b>	fluid ounce	<b>fl oz</b>
Volume per time (includes Discharge and Flow rate)				
	cubic meter per minute	<b>m<sup>3</sup>/min</b>	cubic foot per minute	<b>ft<sup>3</sup>/min</b>
	liter per minute	<b>l/min</b>	US gallon per minute	<b>US gal/min</b>
	milliliter per minute	<b>ml/min</b>	UK gallon per minute	<b>UK gal/min</b>
Sound power level and Sound pressure level				
	decibel	<b>dB</b>	decibel	<b>dB</b>

**Glossary**

Acronym	Definition
DEF	Diesel Exhaust Fluid
ISO	International Organization for Standardization
MSDS	Material Safety Data Sheet
NOx	Nitrogen Oxide
PPE	Personal Protective Equipment
SCR	Selective Catalytic Reduction
ULSD	Ultra Low Sulfur Diesel
%	Percent
<	Less than
>	Greater than

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