

# HX50 VACUUM EXCAVATOR



## KEY FEATURES/BENEFITS

### UNBEATABLE POWER

Equipped with a 49-hp (36.5-kW) Kubota diesel engine, the HX50 packs more power to do more jobs with a low-profile design.

### THREE-STAGE FILTRATION SYSTEM

Standard, advanced filtration system cleans air before it reaches critical machine components.

### EFFICIENT WATER SYSTEM

The HX50 features a 1,000-cfm (28.3-m<sup>3</sup>/min) blower and a water pressure capacity of 3,000 psi (207 bar) to maximize productivity.

### IMPROVED PRODUCTIVITY

An auto-clutching feature disengages the water pump when water is not in use, allowing full system power to the blower.

### OPTIMIZED AIR FLOW

A patent-pending make-or-break seal design optimizes air flow for increased efficiency and simplified plumbing.

### POWER BOOM

A hydraulically-powered boom with 330-degree rotation and self-locking gear reduces manual labor for the operator.

INTRODUCING THE  
**HX50**  
VACUUM  
EXCAVATOR



# HX50 VACUUM EXCAVATOR SPECIFICATIONS

	U.S. 800 GAL SPOILS/200 GAL WATER	METRIC
<b>DIMENSIONS</b>		
Length	269.4 in	6.84 m
Width	96 in	2.44 m
Height	88.2 in	2.24 m
Weight, empty	9,610 lb	4359 kg
Trailer GVWR (VT20)	20,000 lb	9072 kg

	800 GAL SPOILS/400 GAL WATER	
<b>DIMENSIONS</b>		
Length	269.4 in	6.84 m
Width	96 in	2.44 m
Height	88.7 in	2.25 m
Weight, empty	10,990 lb	4985 kg
Trailer GVWR (VT24)	24,000 lb	10886 kg

<b>POWER</b>		
Engine	Kubota® D1803-CR-TE4B	
Fuel	Diesel	
Cooling medium	Liquid	
Aspiration	Direct	
Number of cylinders	3	
Manufacturer's gross power rating	49.6 hp	37 kW
Emissions compliance	EPA Tier 4	EU Stage IIIA
Rated speed	2,700 rpm	

<b>FLUID CAPACITY</b>		
Fuel tank capacity	30 gal	113.6 L
Engine oil	8 qt	7.6 L
Hydraulic reservoir	10 gal	37.9 L
Hydraulic system	12 gal	45.4 L
Cooling system	2.6 gal	9.8 L
Water pump oil	0.7 gal	0.7 L

<b>VACUUM SYSTEM</b>		
Air flow	1,005 cfm	28.5 m³/min
Vacuum, max	16 in Hg	406 mm Hg
Vacuum tank capacity	800 gal	3028 L
Tank outlet valve size	6 in	152 mm
Filter type	Washable polyester	
Filter area	73 ft²	6.8 m²
Suction hose	4 in	102 mm

<b>WATER SYSTEM</b>		
Water pump flow	5.3 gpm	20.1 l/min
Water pump pressure, max	3,000 psi	207 bar

<b>HYDRAULIC SYSTEM</b>		
Flow rate	5.5 gpm	21 l/min
Pressure	2,500 psi	172 bar

<b>BATTERY</b>		
Battery	950 amps cold crank, 195 min SAE reserve, 12V electrical system	

<b>NOISE LEVEL (SUCTION)</b>		
Sound power and pressure - Standard	107 dBA, 87 dBA	
Sound power and pressure - Quiet	103 dBA, 84 dBA	

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

