

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 1,005-cfm (28.5-m³/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, available on the 17K GVWR and 24K GVWR 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. 500 GAL SPOILS/200 GAL WATER	METRIC
DIMENSIONS		
Length - Vacuum	232.1 in	5.90 m
Width	96 in	2.44 m
Height	87.9 in	2.23 m
Weight, empty, w/reverse flow	8,640 lb	3919 kg
Trailer GVWR (VT17)	17,000 lb	7711 kg

	800 GAL SPOILS/200 GAL WATER	
DIMENSIONS		
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	
DIMENSIONS		
Length	269.4 in	6.84 m
Width	96 in	2.44 m
Height	88.7 in	2.25 m
Weight, empty	10,443 lb	4737kg
Trailer GVWR (VT24)	24,000 lb	10886 kg

POWER		
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	

FLUID CAPACITY		
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

VACUUM SYSTEM		
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

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

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

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.

