



HX50 VACUUM EXCAVATOR



FEATURES & BENEFITS

UNBEATABLE POWER

Equipped with a 49-hp (37-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 24K GVWR with 330-degree rotation and self-locking gear reduces manual labor for the operator.

HX50 VACUUM EXCAVATOR

DIMENSIONS

| | U.S. | METRIC |
|--|-----------|----------|
| 500 GAL SPOILS/200 GAL WATER - VT17 | | |
| 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 - VT20 | | |
| Length | 269.4 in | 6.84 m |
| Width | 96 in | 2.44 m |
| Height | 88.2 in | 2.24 m |
| Weight, empty, w/ reserve flow | 9,610 lb | 4359 kg |
| Trailer GVWR (VT20) | 20,000 lb | 9072 kg |
| 800 GAL SPOILS/400 GAL WATER - VT24 | | |
| Length | 269.4 in | 6.84 m |
| Width | 96 in | 2.44 m |
| Height, w/boom | 110.2 in | 2.8 m |
| Height, w/out boom | 88.7 in | 2.25 m |
| Weight, empty, w/ reverse flow | 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 hp | 37 kW |
| Emissions compliance | EPA Tier 4 | EU Stage IIIA |
| Rated speed | 2,700 rpm | |

FLUID CAPACITY

| | U.S. | METRIC |
|---------------------|---------|---------|
| 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 | 500/800 gal | 1893/3028 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.

