



HX LINE

HYDRO VACUUM EXCAVATORS



FEATURES & BENEFITS

OPTIMAL POWER

Equipped with 24.8-hp (18.5-kW), 49-hp (36.5-kW) and 74-hp (55.2-kW) Kubota® diesel engines for more power and performance.

PROVEN PRODUCTIVITY

The HX Line provides optimal suction and water pressure for mid- and large-scale jobs and features a new patent-pending make-or-break seal design, which optimizes air flow for increased efficiency and simplified plumbing.

ENGINEERED FOR VERSATILITY

Compact without sacrificing power, the HX Line is ideal for microtrenching, slot trenching, potholing, and more.

CUSTOMER-DRIVEN DESIGN

Featuring a low-profile design, the HX Line offers better visibility and maneuverability without compromising ground clearance. Plus, the optional VT9 and VT9H trailers are under 10K GVWR and do not require a CDL for towing.

SUPERIOR FILTRATION

Standard cyclonic filtration system minimizes filter cleaning frequency and increases productivity.

TIME SAVING TANK UPGRADES

With a variety of tank sizes to fit your needs, the Ditch Witch® HX Line also has updated black tanks that block sunlight to eliminate algae growth.

HX LINE HYDRO VACUUM EXCAVATOR SPECIFICATIONS

DIMENSIONS

	HX30 500 GAL SPOILS	HX50 500 GAL SPOILS	HX75 500 GAL SPOILS
Length overall	218 in (5.54 m) or 232.1 in (5.90 m)	232.1 in (5.90 m)	232.1 in (5.90 m)
Width	96 in (2.44 m)	96 in (2.44 m)	96 in (2.44 m)
Height	84.4 in (2.14 m)	87.9 in (2.23 m)	87.9 in (2.23 m)
Weight, empty	6,240 lb (2830 kg) or 7,698 lb (3492 kg)	8,640 lb (3919 kg)	9,008 lb (7711 kg)
Water tanks	80 gal, 200 gal or 400 gal	200 gal	200 gal
Trailer GVWR	9,999 lb (4535 kg), 12,000 lb (5443kg) 14,000 lb (6350kg), or 17,000 lb (7711 kg)	17,000 lb (7711 kg)	17,000 lb (7711 kg)
	800 GAL SPOILS	800 GAL SPOILS	800 GAL SPOILS
Length	269.4 in (6.84 m)	269.4 in (6.84 m)	269.4 in (6.84 m)
Width	96 in (2.44 m)	96 in (2.44 m)	96 in (2.44 m)
Height	85 in (2.16 m) or 88.7 in (2.25 m)	88.2 in (2.24 m) or 110.2 in (2.8 m)	88.2 in (2.24 m) or 88.7 in (2.25 m)
Weight, empty	8538 lb (3873 kg) or 9,008 lb (4086 kg)	9,610 lb (4359 kg) or 10,443 lb (4737 kg)	10,000 lb (4536 kg) or 10,830 lb (4912 kg)
Water Tanks	200 gal or 400 gal	200 gal or 400 gal	200 gal or 400 gal
Trailer GVWR	20,000 lb (9072 kg) or 24,000 lb (10866 kg)	20,000 lb (9072 kg) or 24,000 lb (10886 kg)	20,000 lb (9072 kg) or 24,000 lb (10886 kg)
	1200 GAL SPOILS	1200 GAL SPOILS	1200 GAL SPOILS
Length		269.4 in (6.84 m)	269.4 in (6.84 m)
Width		96 in (2.44 m)	96 in (2.44 m)
Height		97 in (2.46m)	97 in (2.46 m)
Weight, empty		13,148 lb (5964 kg)	13,524lb (6134 kg)
Water tanks		600 gal	600 gal
Trailer GVWR		26,000 lb (11793 kg)	25,990 lb (6804 kg)

POWER

	HX30	HX50	HX75
Engine	Kubota® D1105	Kubota® D1803-CR-TE4B	Kubota® V3307-CR-T-E5B
Fuel	Diesel	Diesel	Diesel
Manufacturer's gross power rating	24.8 hp (18.5 kW)	49 hp (37 kW)	74.3 hp (55.2 kW)
Emissions compliance	EPA Tier 4 (EU Stage V)	EPA Tier 4 (EU Stage IIIA)	EPA Tier 4 (EU Stage V)
Cooling medium	Liquid	Liquid	Liquid
Aspiration	Natural	Direct	Turbo
Number of cylinders	3	3	4
Rated speed	3,000 rpm	2,700 rpm	2,600 rpm

FLUID CAPACITY

	HX30	HX50	HX75
Fuel tank capacity	25 gal (94.6 L)	30 gal (113.6 L)	30 gal (113.6 L)
Engine oil	5.2 qt (4.9 L)	8 qt (7.6 L)	12 qt (11.4 L)
Hydraulic reservoir	6.3 gal (23.8 L)	10 gal (37.9 L)	10 gal (37.9 L)
Hydraulic system	7.75 gal (29.3 L)	12 gal (45.4 L)	12 gal (45.4 L)
Water pump oil	0.47 qt (0.4 L)	0.7 qt (0.7 L)	0.7 qt (0.7 L)
Cooling system	1.25 gal (4.7 L)	2.6 gal (9.8 L)	2.8 gal (10.6 L)

VACUUM SYSTEM

	HX30	HX50	HX75
Air flow	512 cfm (14.5 m³/min)	1,005 cfm (28.5 m³/min)	1,315 cfm (37.2 m³/min)
Vacuum, max	15 in Hg (381 mm Hg)	16 in Hg (406 mm Hg)	16 in Hg (406 mm Hg)
Vacuum tank capacity	500/800 gal (1893/3028 L)	500/800/1200 gal (1893/3028/4542 L)	500/800/1200 gal (1893/3028/4542 L)
Tank outlet valve size	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)
Filter type	Washable polyester	Washable polyester	Washable polyester
Filter area	73 ft² (6.8 m²)	73 ft² (6.8 m²)	73 ft² (6.8 m²)
Suction hose	3 in (76 mm)	4 in (102 mm)	4 in (102 mm)

WATER SYSTEM

	HX30	HX50	HX75
Water pump flow	4.2 gpm (15.9 l/min)	5.3 gpm (20.1 l/min)	5.5 gpm (20.8 l/min)
Water pump pressure, max	3,000 psi (207 bar)	3,000 psi (207 bar)	3,000 psi (207 bar)

HYDRAULIC SYSTEM

	HX30	HX50	HX75
Flow rate	3.6 gpm (14 l/min)	5.5 gpm (21 l/min)	7.5 gpm (28 l/min)
Pressure	2,500 psi (172 bar)	2,500 psi (172 bar)	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.

