



SMART DIG

HYDRO EXCAVATORS & VACUUM LOADING SYSTEMS

HX4000

Specifications



Smart Dig HX4000

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- **Engine** – Kubota V3300T
- **Blower** – Roots Blower, 1200 cfm @ 2200 RPM
- **Engine/Blower Frame Mount** – Full rigid sub frame, 4-point mounted to the chassis using directional rubber mountings give low vibration and noise.
- **Blower Exhaust/Silencer** – The silencer has been designed to absorb and reduce expelled noise.
- **Debris Tank** – 4 cubic meter capacity – full door shield/skirt for liquid containment when opening the door. Vacuum tested to 20 inHg (tested to over 1.5 times set operating vacuum)
- **Water Tanks** – 4 linked side mounted plastic tanks with capacity of 1.8 cubic meters of water. Fill method via 3” Camlock (standpipe) or hose. Tanks are fully vented and access points for inspection.
- **Water Blast Pump** - Engine Driven – UDOR GD/8.5 – 32 liters/min @ 3000 psi
- **Water Filters** – Inline 80g stainless steel strainer + 1 x 50 micron 10” pleated cartridge element filter.
- **Hose Reel** – Hannay Spring retractable hose reel, with 12m of 3/8” high pressure hose attached.
- **Hydraulic System** – All hydraulic functions are driven from PTO mounted pumps on the Kubota engine. This allows the digging process to be carried out without the truck engine running.
- **Door** – Hydraulic lift to 80°. Two-point hydraulic locking, adjustable lock plates to ensure maximum door sealing. Sight glass to show level of debris/liquid.
- **Vacuum Filters** – 4 x PTFE pleated filters (washable) housed in a Smart Dig Filter Housing.
- **Boom** – Fully hydraulic 270° rotation, 30° up, 30° down from horizontal, power extendable.
- **Main Dig Hose** – 5” rubber hose with quick clamp fittings.
 - 3x Aluminum extension pipes (rack mounted)
- **Suction Hose** – 30 meters of 4” additional hose is stored and carried for extended access for digging.
- **Vacuum Release** – Automatic vacuum release vents the system under emergency stop conditions.
- **Main Tank Full Auto-Shutoff** – Internal stainless-steel float ball and seal automatically shuts off vacuum when full preventing debris or liquid carry-over to the filtration system.
- Tank Full Indicator Tank side mounted for visual indication of debris tank level.
- **Remote Control** – A multi-function wireless remote allows the operator full control of all boom, door functions and vacuum operation during the working cycle.
- **Enclosure** – Base built enclosure incorporating engine, blower, filter unit, silencer and storage area. lockable Roller doors fitted to allow access both sides.
- **Accessories included** – Digging wand x 1 (per blaster), Wash down wand x 1, 4” PVC joiner x 2, Water Filters x 1 (per filter housing), Quick Clamps x 3, Ali Adaptor x 1, Pressure Gauge x 1, Spare door lock shims x 1 (of each size per lock) and Filter spanner x 1
- Standard exterior unit colour is white with black subframe epoxy primed and urethane top coat