



IFS Equipment Ltd

Innovative Foundation Solutions

11809-91st street fort st john B.C.

Nov 03/2019

Specs for (1) DDS40C52X24E100 Game Changer Foundation rig

We are pleased to offer the following Specs for your consideration:

(1) DDS40C52X24E100 Game Changer Foundation Rig for drilling, driving and screw pilings.

- XL 5200 V base w/hydraulically expandable tracks
- 10ft Telescoping boom w/180 degree rotation at base of boom

Mast Options. 40ft base lead,

- 6ft extension, to yield 40 ft material.
- 11ft extension, to yield 45 ft material.
- 16 ft extension, to yield 50 ft material.
- c/w two grippens, Top grippen for loading material and Bottom grippen for alignment
- 20.000 lbs crowd & retract
- 8000 Lbs service winch,
- foot Support & sliding carriage assy

Counter weight Options

- 15,500 lb (7030 kg) counterweight (Std)
- Hydraulically extendable counterweight
- Full control system for hammer & top drive
- Full monitoring system for hammer, top drive and auger cast
- Rotary actuator at boom tip for lead assembly with 165 degree rotation

Hammer Option

- MHX24 Endeavor hydraulic hammer – 12,000-32,000 lb of force

Top Drive Option

- E100 Eskridge top drive – 35-100K ft/lbs capacity w/100 rpm max spin off - 4" thru hole for grouting or air drilling

Engine:

- Volvo TAD571 VE, Tier 4f, 4 cycle, inline 4 cylinder, liquid cooled, electronic controlled
- Vertical canister style lube filter attached to engine • Vertical canister style main fuel filter and fuel/water separation with manual feed pump attached to engine • Water in fuel indicator and alarm

Gross Rating: 173 hp @ 2200 rpm (129kW) 590 ft lb torque @ 1100-1500 rpm (800Nm)

Net Rating: 153 hp @ 2200 rpm (114kW)

- Variable viscous fan clutch system • Vertical stacked hydraulic oil cooler, charge air cooler and radiator

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Maximum slope: 30° • 24 volt starter • 100 amp alternator • Two SAE #C31-S 1000 CCA batteries

- Two-stage air cleaner with high-efficiency pre-cleaner, vacuator valve and remote service indicator

Fuel tank capacity: 99 gallons (375 L) Full load fuel burn rate

Operator Cab: • All-weather cab with tinted safety glass windows • Skylight • Acoustical lining • Four-way adjustable operator's seat • Seat belt • AM/FM radio • Filtered fresh air heater • Defroster and A/C • Front window slides to overhead storage • Rearview mirrors on right and left sides • Windshield wiper and washer • LED swing lights • LED work lights

Controls: • Two electronic joysticks (hoist and mast tilt, telescope and swing) with Fwd, Backwards and side to side movements. joysticks faces have progressive proportional switches with individual buttons to operate all functions on GC mast • One rocker switch (tilt) control upper structure • Joysticks mounted on arm pods • Quick change joystick pattern switch located on instrument panel • Joysticks are self-centering; when controls are released, power for movement disengages and swing and tilt brake set automatically • Two electric foot pedals (with handles) control crawler travel speed and direction, crawler steering and crawler brakes • Toggle switch on arm pod allows selection of two crawler speed ranges

Engine Controls and Instrumentation • Key operated ignition/starter switch, throttle and main battery disconnect switch • Air cleaner condition indicator • Electronic monitor indicates fuel level, low battery charge, lube oil pressure, high coolant temperature, engine rpm and engine hours • Fuel saving auto idle feature sends engine rpm to idle when control circuits are in neutral for seven seconds

Boom: • Two piece triangular telescoping boom • Adjustable boom rollers with eccentric shafts • 220° boom tilt • 105° boom pivot angle

Crawler Drive: • Dual range, high torque piston motor powers each track • Three-stage planetary drive with integral speed limiting valve and automatic spring-set/hydraulic release wet disc parking brake Travel Speed: on flat, level surface: High Speed: 3.4 mph (5.5 kmh) Low Speed: 1.9 mph (3.1 kmh) • Automatic two-speed control shifts crawler drive into low speed under difficult travel conditions • Manual override switch for loading the machine for transport Gradeability: • 58%, limited by engine lubrication requirements Drawbar Pull • 38,324 lb (170 kN) Individual Track Control • Tracks counter-rotate to pivot machine about the swing centerline • Electronically operated travel alarm signals crawler movement in either direction

Swing: • Priority swing circuit with axial piston motor • Planetary transmission Swing speed: 7.0 rpm Swing Brake • Automatic spring-set/hydraulic release wet-disc parking brake • Dynamic braking is provided by the hydraulic system

Hydraulic System:

Pumps • One load-sensing, axial piston pump; oil flow 0-110 gpm (0-416 L/min) • Gear pump, pilot, 6 gpm (23L/min)

System Monitor • Electronic monitor in cab indicates - Low hydraulic fluid level - High hydraulic fluid temperature - System working pressure - System pilot pressure

SYSTEM SPECIFICATIONS

Six Cylinders • One tool: 5.0" ID, 3.0" rod (127 mm x 76 mm), 25.9" (658 mm) stroke • Two hoist: 4.75" ID, 3.35" rod (121 mm x 85 mm), 31.0" (787 mm) stroke • One telescope: 3.75" ID, 2.75" rod (95 mm x 70 mm), 14' (4.27 m) stroke • Two Tilt: 4.75" ID, 2.35" rod, 31.0" (787 mm) stroke.

Four Hydraulic Motors • Swing, 68 hp (51 kW) • Tilt, 21 hp (16 kW) • Two propel motors, 120 hp (89 kW) each

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Operating Pressures:

- Hoist.....4,900 psi (331 BAR)
- Tilt.....2,500 psi (172 BAR)
- Swing.....4,500 psi (310 BAR)
- Tool.....4,900 psi (331 BAR)
- Telescope.....4,900 psi (331 BAR)
- Propel.....4,900 psi (331 BAR)
- Pilot System.....550 psi (38 BAR)
- Aux Hyd System.....5550 psi (38 BAR)

Oil Capacity

• Reservoir system 65 gal (246 L) • Pressurized reservoir with visual oil level gauges Filtration System • 10 micron return filter • 10 micron pilot filter • Fin and tube-type oil cooler with thermal by-pass and relief valves • Pressure-compensated, load-sensing valves with circuit reliefs in all circuits.

NOTE: The above loads are in compliance with the SAE standard J1097 DEC2005. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

The rated lift capacity is based on the machine being equipped with 15,500 lb (7030 kg) counterweight, IFS shortened boom, standard tires, no auxiliary hydraulics and no bucket with extendable track frames fully extended. The load point is located on the bucket pivot point, including loads listed for maximum radius. Do not attempt to lift or hold any load greater than these rated values at specified load radii and heights. The weight of slings and any auxiliary devices must be deducted from the rated load to determine the net load that may be lifted.

ATTENTION: All rated loads are based on the machine being stationary and level on a firm supporting surface. The user must make allowance for particular job conditions such as soft or uneven ground, out of level conditions, side loads, hazardous conditions, experience of personnel, etc. The operator and other personnel must read and understand the operator's manual before operating this machine. Rules for safe operation of equipment must be adhered to at all times.

Terms - 50% prior to order, 25% at substantial completion and balance of 25% at delivery

We are estimating MSRP of \$1.250-\$1.350 million US. depending on options and tooling and exchange rate at the time of order.

If you have any questions please contact me. Jason Linley

Best Regards

Jason linley

IFS Equipment LTD, [11808 - 91st St Fort St John, BC V1J 6Z6](#)

Cell [\(250\) 263 4555](#)

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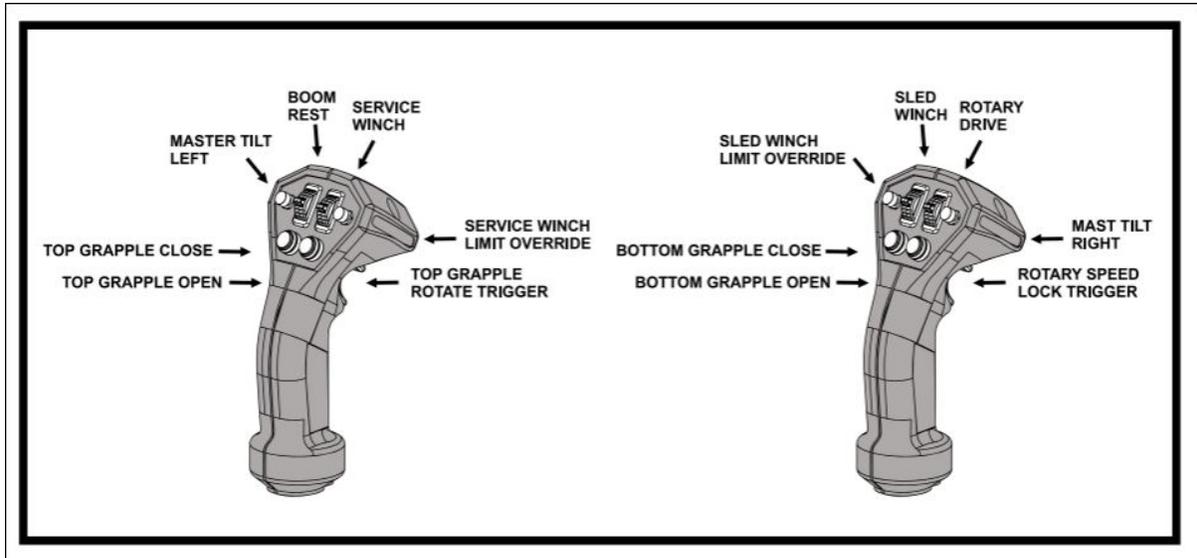
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GC Controls in side of cab



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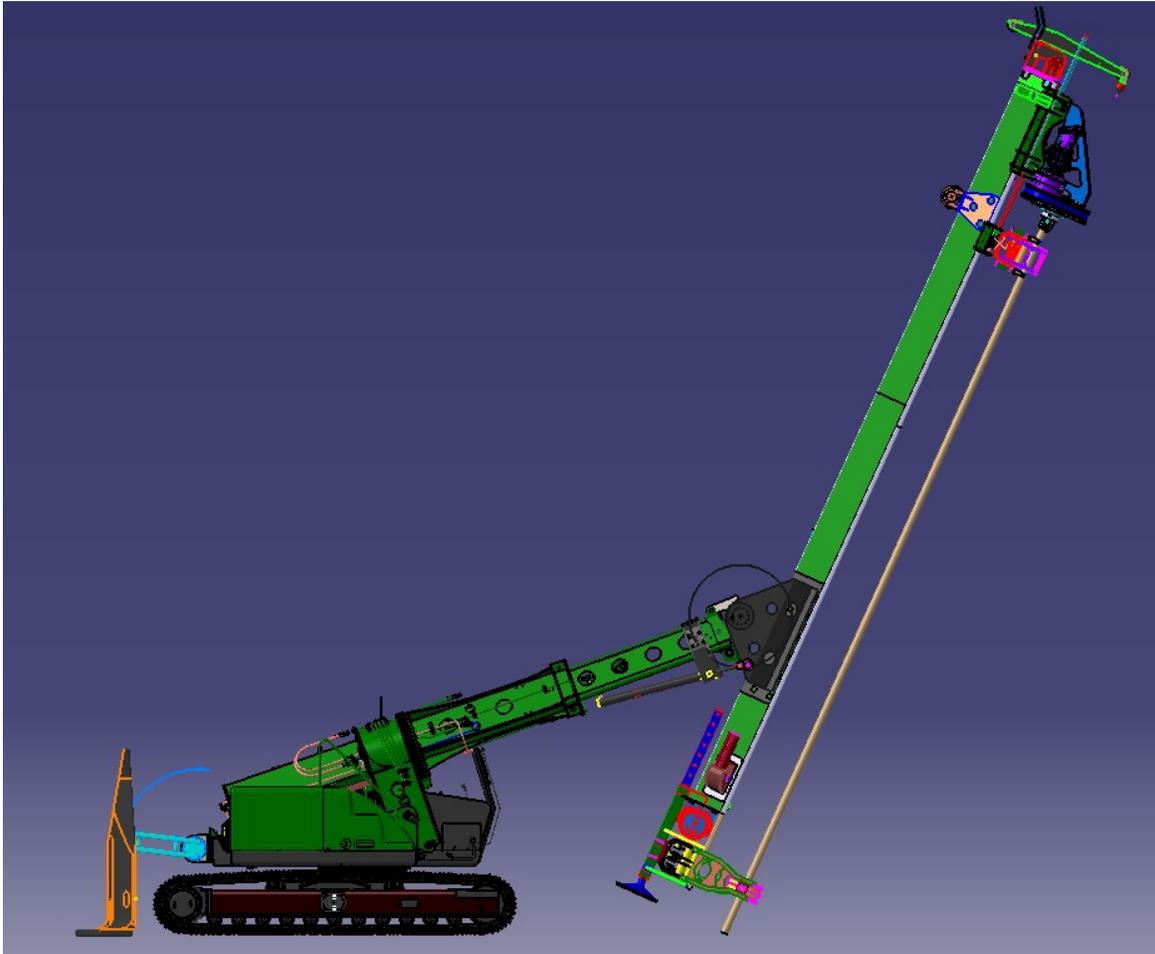
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Inverted Drilling Mode

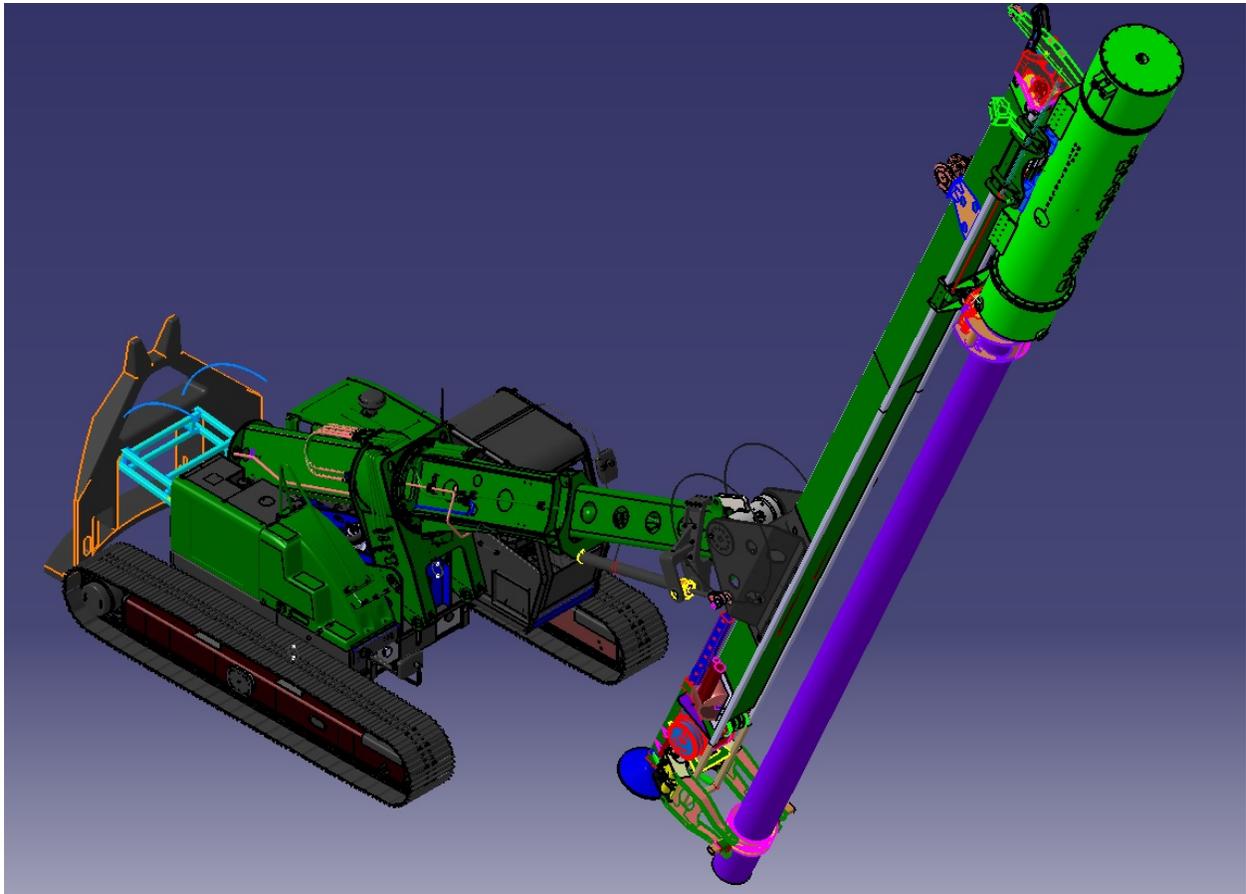




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Hammer Mode





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