



DESD-48WF-250HP

Electric Class III Hawser Winch

The DESD-48WF-250HP is a high-performance, two-speed 250HP dual-drum ARR electric hawser winch with automatic render-recover capabilities, adjustable tension and line scope setpoints and a dynamic high-speed water-cooled slip-brake capable of up to 440,000 lbs of holding power. Constant tension control and automatic inhaul/payout speeds up to 363 ft/min permit full hands-free operation, with active line-tension monitoring during all winch activities.

Winch System Specifications

◆ Drum Capacity:	Dual-drum, each with 740 feet / 226 meters of 7.5" circumference / 61 mm diameter synthetic line.
◆ Performance:	168,000 lbs / 747 kN max continuous / 363 ft/min / 111 m/min max line-speed.
◆ Max Freewheel Speed:	1000+ ft/min / 300+ m/min
◆ Electric Motor & Drive:	250HP / 187 kW AC-variable frequency drive with two-speed transmission.
◆ Winch Braking:	Water-cooled multi-disc brake with holding capacity to 440,000 lbs / 1957 kN
◆ Winch Control:	Wheelhouse controls with emergency stop and freewheel pushbuttons. Line tension display available at all times whether operating the brake or the electric drive.
◆ Power Requirements:	460 VAC 3 Phase, 60Hz. Other source voltage options available.
◆ Weight:	95,000 lbs / 43090 kg



Markey Machinery Company, Inc.

7266 8th Avenue South, Seattle, WA 98108

Ph: (206) 622-4697 Toll Free: (800) 637-3430 Fax: (206) 623-9839

Email: info@markeymachinery.com

Represented by:

Griffin & Associates

355 Grow Avenue NW, Bainbridge Island, WA 98110 (USA)
Ph: (206) 595-9507 Email: bagriffin@griffinassociates.com



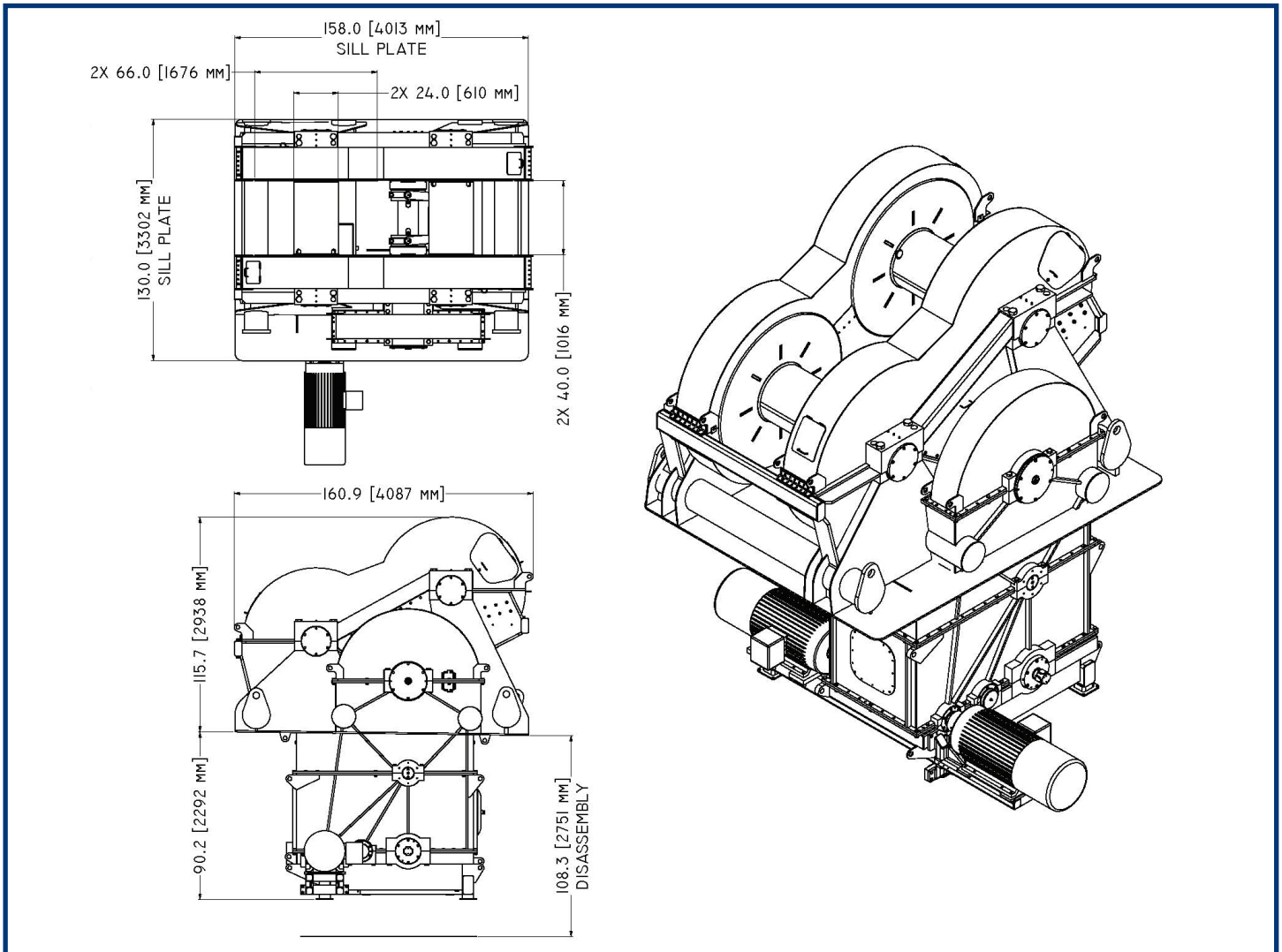
ISO 9001:2008 QMS

Represented by:

JH Menge & Company, Inc.

5825 Plauche Street, Harahan, LA 70123 (USA)
Ph: (504) 733-4871 Email: fclatour@jhmenge.com

Markey DESD-48WF-250HP



Markey's Class III hawser winches feature a unique and proprietary "Render/Recover" control system, which automatically maintains a manually set line tension. The line tension can be set from a practical minimum of about 5 tons to the tugboat's maximum operational value, including "indirect" loads above bollard pull. It allows the tugmaster to focus on tug maneuvering. These winches can also absorb the effect of wave induced tug motions and allow effective operation in more difficult sea states. Since their introduction in 2002 the Markey Class III electric (low noise) hawser winches have proven themselves to be without equal in allowing the use of the full capability of modern Z-drive and Voith-Schneider propulsion tugs.

Hawser Winch System Options

- ◆ R/R autoshift set up standard, ARR set up optional
- ◆ Digital/Analog Line Tension Display System
- ◆ Multiple Station Controls
- ◆ Performance ratings can be tailored to suit specific applications
- ◆ Single Drum and larger capacity drum options are available

Markey's rugged winches are built to the highest quality workboat standards using materials and processes providing maximum life and minimum maintenance in marine and outdoor applications.

© 2011 MMCo 19909



Anything Else is Just a Winch!