

AC DRAWWORKS

RIGMASTER E40AC

Supplied & Built by Lesko Projects

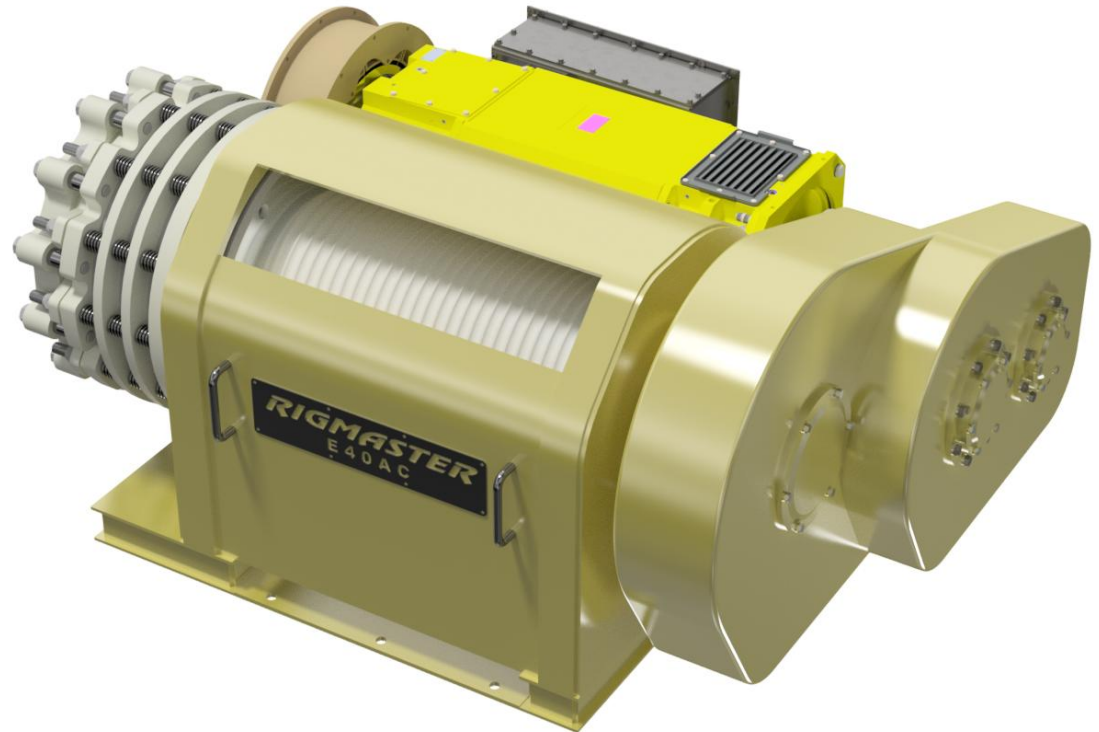
SPECIFICATIONS

Max Single Line Pull	40,000 lb
Max Line Speed (Single Fast)	6 ft/s
Approximate Overall Weight (Incl. Motor)	15,000 lb
Drill Line Diameter	1" or 1-1/8"
Input Power	600 hp
Drum Size	18" x40"
Transmission	2-Stage Offset Gearbox
Gear Ratio (Can be modified to suit needs of customer)	9:1

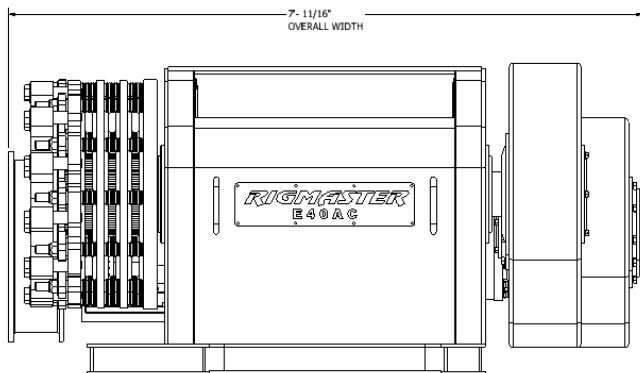
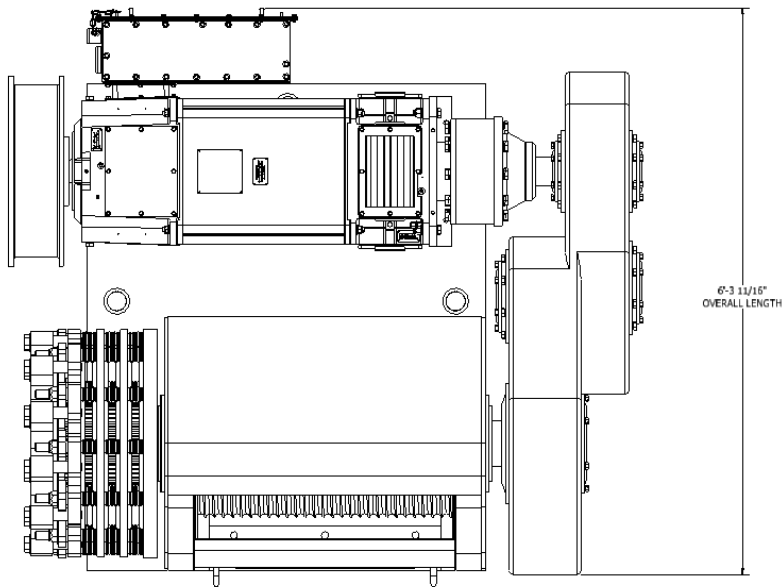
DESCRIPTION

The Rigmaster E40AC Drawworks is a modern, AC-driven system designed for service rig applications, combining proven Rigmaster mechanical design with the flexibility of conventional AC drive systems. Engineered for both retrofits and new builds, the E40AC integrates seamlessly with traditional AC-powered rigs as well as emerging fully electric service rig platforms.

With a focus on reliability, serviceability, and compact footprint, the E40AC delivers high performance in a simplified, drop-in package. Its modular design supports efficient installation, reduced maintenance, and straightforward integration with a wide range of power and control



DIMENSIONS



DRAWWORKS ASSEMBLY

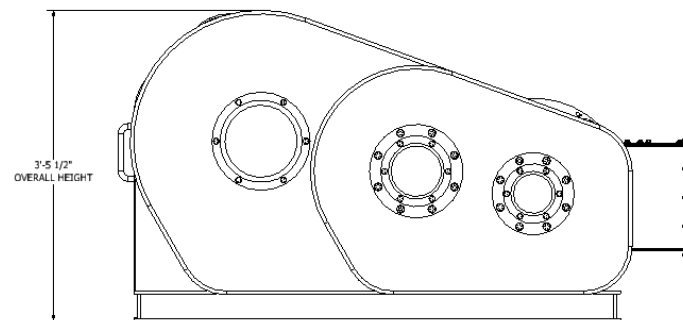
- Bolt-on 1/2" thick abrasion resistant steel wear plates
- 5/8" thick 50WT grade steel sidewalls
- Drill line opening minimized for personnel safety

GEARBOX & POWERTRAIN

- 600 hp AC Motor
- 2-Stage offset gearbox designed for high input speeds and heavy forward/reverse loading
- Rigmaster intrinsically safe, maintenance free coupling
- Pressure lubricated, filtered, monitored, and cooled oil system
- Designed for easy serviceability as a stand-alone gearbox

TRIPLE BRAKING SYSTEM

- Dynamic braking provided by AC motor
- Eaton spring applied, air release disc brake on drawworks drum
- Eaton spring applied, air release drum brake on the AC motor
- Eaton brake on drum can be replaced with spring applied, hydraulically released band brakes
- All brakes programed to engage in the event of an emergency



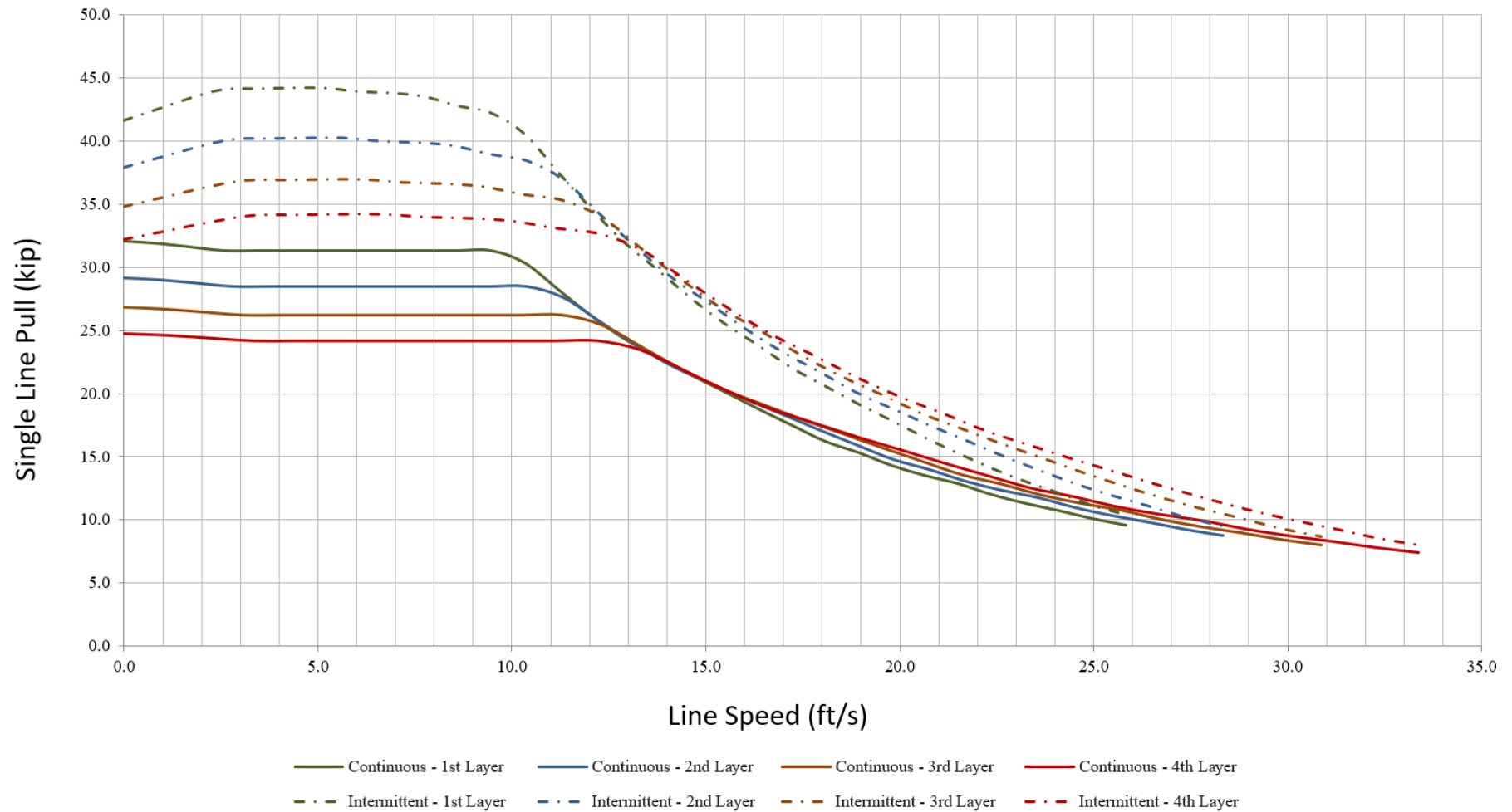
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Rigmaster E40AC Drawworks - Single Line Pull vs Speed (Nidec 600HP Input)



Note:

All values, specifications, and performance parameters shown are theoretical and based on preliminary design assumptions, available motor data, estimated drivetrain efficiencies, and the current drawworks configuration. Final performance may vary and is subject to change following detailed engineering, final motor/VFD selection, system integration, and testing.

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