

# INDUSTRIAL SELECTION GUIDE



ramsey.com

**RAMSEY**  
**WINCH**

CHOICE OF PROFESSIONALS

## **WARNING!**

Winches are not to be used to lift, support or otherwise transport personnel. A minimum of five (5) wraps of cable around the drum is necessary to support the rated load. Cable clamp is not designed to hold the load.

## **Limited Warranty Excerpt**

Ramsey Winch warrants each new winch and speed reducer to be free from defects in workmanship for a period of one (1) year from date of purchase. Ramsey Winch warrants each new transmission for a period of ninety (90) days after being placed in service or six (6) months from date of invoice, whichever expires first. The obligation under this warranty, statutory or otherwise, is limited to the replacement or repair at our factory of such part or parts as shall appear to us upon inspection to be defective in materials and workmanship.

*Complete warranty statement in owners manuals.*

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## How to Select A Winch

1. Select the desired configuration (low mount or foot mount)
2. Determine the line pull required by the job.
3. Determine the size (diameter) and length of cable required.
4. Determine where the maximum line load will occur (first layer of cable on the drum? second? third?).
5. Consult the performance data chart in the pertinent section (mechanical, hydraulic, heavy duty electric, extended shaft, planetary) and find the combination of line pull, cable capacity per layer, and hydraulic system requirements, voltage, input torque, etc. as applicable, which meets the requirements.
6. Select the proper winch model and determine the first layer rating required (all charts in this brochure are based on first layer line pull ratings.)

**EXAMPLE:** You have an application that requires a 5,000 lbs. line pull and have selected 80 ft. (24.3m) of 3/8 inch (9mm) diameter cable as the optimum length. This application would require a low mount hydraulic winch.

Referring to the performance data for low mount hydraulic winches on page 5, 80 ft. of 3/8 inch cable will build up to three layers on a model H-200 winch and the winch provides 5,700 lbs. (2,580 kgs) maximum allowable line pull on the third layer. The line speed on this layer would be 17.5 ft./min. at the maximum hydraulic system flow of 15 GPM. Line speed on the first layer would be 12.6 ft./min. Also, note that the required hydraulic system pressure is 1,550 PSI minimum.

You would therefore select our Model 200 winch with 8,000 lbs. first layer line pull rating as the best choice.