



Technical Bulletin

No. RET001

Subject: Powered Operation of Salalift® I Winch

The DBI/SALA Salalift® I winch is designed and typically used for manual operation. Certain situations where the speed of the rescue, coupled with fatigue experienced by operator during long lifts, may necessitate the need for a powered drive operation.

The DBI/SALA Salalift® I winch may be operated by a powered drive mechanism under the following conditions.

1. Winch is only used for raising (no lowering allowed).
2. Power drive mechanism is applied to low speed input shaft only.
3. Winch brakes are not removed or disabled.
4. Maximum speed of power drive mechanism is 80 RPM's.
5. Maximum torque of power drive mechanism is 35 foot pounds (torque limiter must be used).
6. Proper grounding and insulation must protect electric drives.
7. Winch gear oil must be checked monthly and changed every six months minimum.
8. All applicable manufacturer instructions shall be followed.
9. Manual mode to raise and lower shall remain operational after removal of powered drive mechanism.
10. All applicable safety measures for confined spaces shall be followed. See OSHA 1910.146, ANSI Z117.1-1995.

The U.L. Classification on the Salalift® I winch only applies to manual operation. Winch input shaft is 1/2 inch square drive.

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