



RAMSEY HDP42 4.3 Tonne Planetary Hydraulic Winch

Car and Commercial Recovery Ideal for Slide Bed vehicles

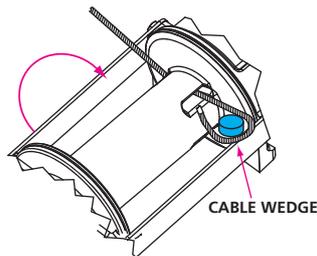
This fast, powerful and reliable machine offers the latest in single-stage planetary gear design for quiet reliable operation and is designed for either foot or side mount.

Fully compliant with EN 14492-1 regulations.

ADDITIONAL EQUIPMENT & SERVICES

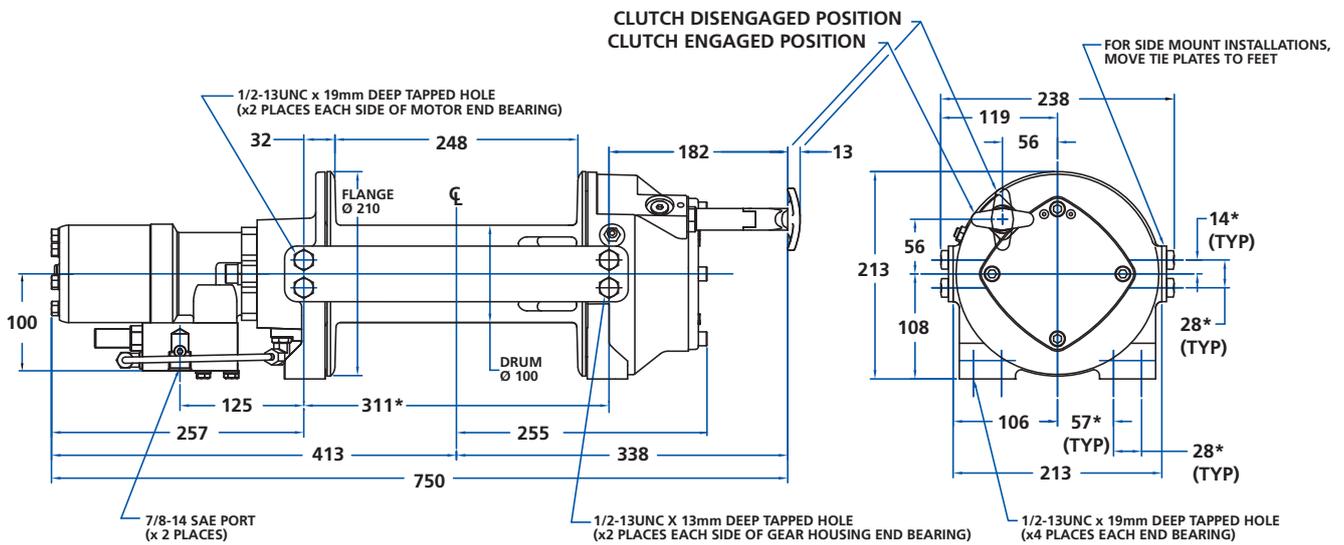
- Air shift freespool clutch with remote activation and positive engagement indicator light.
- Radio control system to give flexibility in operating the winch up to 40m distance.
- Wire Rope 11mm diameter 1960N/mm² grade. 6 x 36 wire core construction for maximum flexibility. Maximum length 24m.
- Electric / pneumatic control valve with manual lever and including 7m wanderlead control, heavy duty 16 amp socket, electrical control system with all wiring in Armaflex protection also includes dump valve with emergency stop button ensuring compliance with EU machinery directives.
- Hydraulic oil reservoir tank with filter sight gauge and filler cap, PTO and pump.
- Fitting service can be provided, including load testing and certification.

SECURE WIRE ROPE ANCHORAGE



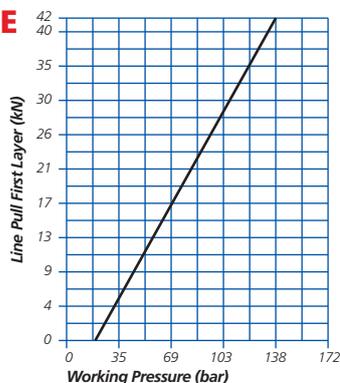
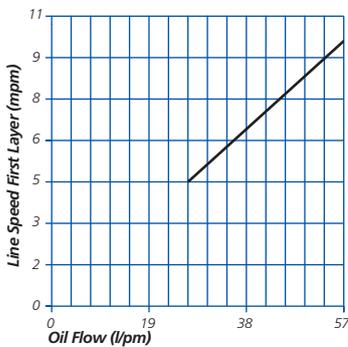
FEATURES INCLUDE

- **4300kgf line pull**
Rated line pull of 42kN
- **EN 14492-1 compliant**
- **Single stage planetary gearing**
Ideally suited to slidebed and spec lift applications
- **Wedge pocket rope anchor on drum**
Major safety benefit - prevents rope release from drum fixing
- **Fast recovery speeds** Up to 13m per minute
- **Large 100mm diameter drum(s) with deep flanges**
Extends rope life and assists wrapping. Flange dia. 210mm
- **Heavy duty roller guide assembly**
With greaseways and large diameter rollers
- **Spring loaded clutch**
Easy to use
- **Braking system**
Spring applied brake and motor counterbalance valve supplied as standard to provide 100% braking efficiency
- **After sales service**
Technical advice given on winch fitting and component replacement, plus efficient overnight parts despatch and fast repairs.



NOTES:
 *THESE HOLE LOCATIONS MUST BE WITHIN ± 1mm OF TRUE POSITION.
 RECOMMENDED MOUNTING HOLE DIAMETER IS 13mm.
 WINCH MOUNTING CAPSCREWS MUST MEET OR EXCEED SAE GRADE 5 SPECIFICATION.

HYDRAULIC PERFORMANCE



LINE PULL AND LINE SPEED PERFORMANCE

		LAYER		
		1	2	3
Maximum Rated Line Pull by Layer	kN kgf	42.2 4300	35.2 3590	30.2 3080
HDP42 Rope Capacity Cumulative by Layer (10mm Dia. Wire Rope)	m	6	15	24
*Line Speed at 58 l/min	m/min	9.7	11.6	13.4

* Based on recommended 11mm wire rope, 1960 grade and 254cc / rev. motor.

SPECIFICATIONS

- Rated Line Pull: 42kN (4300kgf). EN14492-1 compliant
- Line Speed: 15m/min at 58 l/min on bare drum
- Wire Rope: 11mm diameter (1960N/mm² grade. 6 x 36 wire core construction - recommended) Maximum length 24m
- Weight: Weight of machine: 39.5kg. With roller guides and rope: 48.5kg
- Gear Reduction: 5.1:1
- Gear Type: Single stage planetary
- Winch Construction: Die cast aluminium end housings with steel drum
- Braking: Spring applied hydraulic release disc brake and counterbalance valve providing full 100% braking
- Motor: Low speed, high torque
- Drum: 100mm diameter x 248mm with wedge pocket rope anchor
- Drum Rotation: Clockwise, or counter clockwise rotation as required
- Roller Guides: Heavy duty commercial type with large diameter rollers and greaseways
- Freespooling: Spring loaded lever.
Option: Air activated clutch using remote switch with engagement indicator light

NOTE: An open centre motor spool type control valve must be used (all ports open to tank in neutral).

NOTES

These winches must not be used for the movement of personnel and 5 wraps of wire rope must be maintained on the drum.

Data shown is approximate and intended as a guide only.

WARRANTY

Each new winch is guaranteed against defects in workmanship and material defects for a period of twelve months from date of purchase.

Wire ropes are not included under warranty.

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