

COMEUP HV-8

8,000LB Hydraulic Recovery Winch



Accessories:

- 179 mm throat roller fairlead for Std. drum
- 245 mm throat roller fairlead for Long drum
- Over centre valve

Optional Accessories:

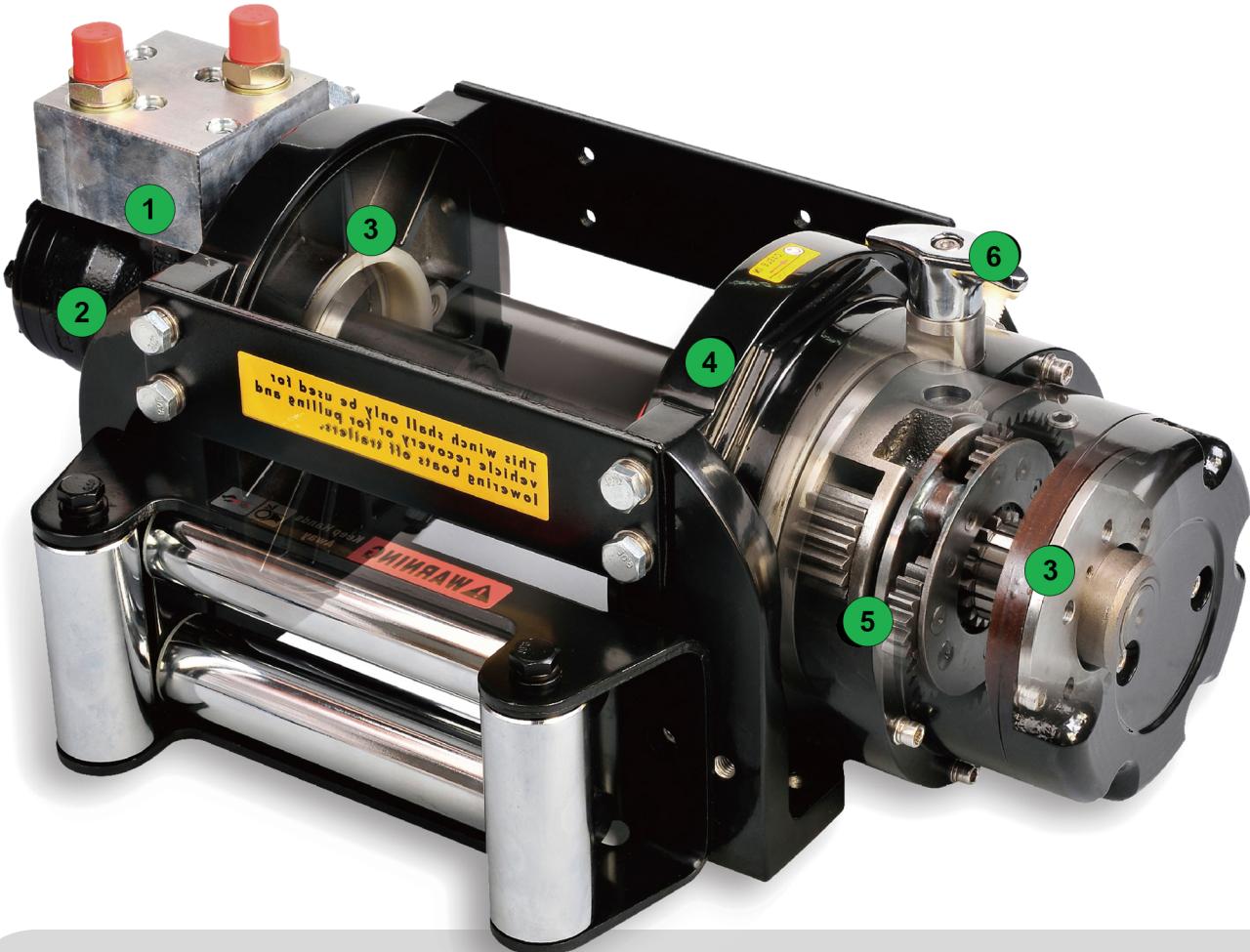
- Cable tensioner : PN 881238 for HV-8 Std. drum
- Cable tensioner: PN 880179 for HV-8 Long drum
- Air Clutch

- Powered by a PTO/power take off unit driven pump
- Fast and variable recovery speeds for high work rate
- Highly efficient and constant operating torque motor
- 2 stage planetary gear train for greater pulling force
- Turn clutch by ergonomic T-handle for rapid wire rope payout
- Drag brake and over centre valve providing complete braking
- EN 14492-1 supported: 10:1 D/d ratio and 2:1 wire rope strength allow severe duty vehicles and commercial recovery
- Meets SAE J706, CE Machinery Directive 2006/42/EC and support EN 14492-1: 2006 Power Driven Winches.



Telephone: +44 (0)1482 620991
Email: sales@winchsystems.co.uk
Web: www.winchsystems.co.uk

**EN 14492-1
COMPLIANT**



1 Powered by a PTO device

(Power Take Off unit) Adjustable oil flow and pressure allow variable line pull and speed.

2 Extreme Motor

Highly efficient and constant operating torque output.

3 Doubled Failsafe Brakes

Mechanical drag brake and over-centre valve provided for holding full load

4 Outstanding and Elegant Design

Aluminium die cast housing with steel drum.

5 2 Stage Planetary Gear Train

Less gear reduction ratio for maximum rated line speed

6 Turn Clutch by Ergonomic T-handle for Rapid Wire Rope Payout

Easy to turn the T-handle for rapid wire rope payout and workable for left or right side location.



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Specification/Part Numbers

- Part number: PN 680816 (Std. drum) / PN 681091 (Long drum)
PN 681123 (Std. drum - Clutch in left side) / PN 681347 (Long drum - Clutch in left side)
- Rated line pull: 3,630 kg / 8,000 lb (SAE J706 rating)
3,560 kg (EN 14492-1 rating)
- Line speed (at 1st layer of rope) : 15 mpm at 60 l/min (49 fpm at 15.9 g/min)
- Operation pressure: 150 bar / 2,175 psi
- Max oil flow: 60 l/min (15.9 g/min)
- Hydraulic motor: 77.8 cm³/rev (4.7 in³/rev)
- Gear ratio: 2-stage planetary gear 16:1
- Winch construction: Aluminium die cast housings with steel drum
- Clutch (Freespooling): Rotating ring gear
- Brake: Spring applied drag brake together with over-centre valve supplied
- Rotation of winch: Wire rope shall be under-wound orientation only
- Drum barrel diameter: 90 mm (3.5")
- Drum flange diameter: 201.5 mm (7.9")
- Distance between flanges: 190 mm (7.5") - Std. drum / 253 mm (10") - Long drum
- Mounting bolt pattern: 228.6 x 171.2 mm (9" x 6.7") ; 311.2 x 114.3 mm (12.3" x 4.5") - Std. drum
291.6 x 171.2 mm (11.5" x 6.7") ; 374.2 x 114.3 mm (14.7" x 4.5") - Long drum
- Wire rope recommended: 10 mm x 30.5 m (3/8" x 100') for Std. drum and 40 m (131') for Long drum,
1,960 N/mm² (EIPS) grade with a minimum breaking strength of 69.8 kN (15,663 lbf) required for SAE J706 and EN 14492-1 ratings
- Winch weight: 35.5 kg / 78.1 lb - Std. drum / 37.5 kg / 82.7 lb - Long drum
- Gross weight: 43.3 kg / 95.3 lb - Std. drum / 45.3 kg / 99.9 lb - Long drum
- Box dimension, (L x D x H) : 615 x 380 x 300 mm (24.2" x 15" x 11.8") - Std. drum
665 x 370 x 285 mm (26.2" x 14.6" x 11.2") - Long drum

Compliant with EN 14492-1 requirements for vehicle recovery winch:

- * The working coefficient for the first rope layer on the drum shall be at least 2.
- * The D/d ratio to the centre of the rope shall be at least 10 for the drum.
- * Drum freeboard shall be at least 1.5 x rope diameter

Performance data:

Layer of Wire Rope	Pull by layer, kg / lb	Line Pull and Rope Capacity		Line Speed at 60 l/min (15.9 g/min), mpm / fpm
		Std. drum	Long drum	
1 st	3,630 / 8,000	5.8 / 19.0	7.8 / 25.6	15.0 / 49.0
2 nd	3,025 / 6,669	12.8 / 42.0	17.1 / 56.1	18.2 / 59.7
3 rd	2,593 / 5,717	20.9 / 68.6	28.0 / 91.9	21.2 / 69.6
4 th	2,269 / 5,002	30.5 / 100	40 / 131	24.2 / 79.4

Warning

**Winches are not to be used for the lifting or moving of persons.
The rated line pull shown is based on the first layer of rope on the drum.
The rope winding on the drum shall remain 5 wraps from the drum.**

Warranty

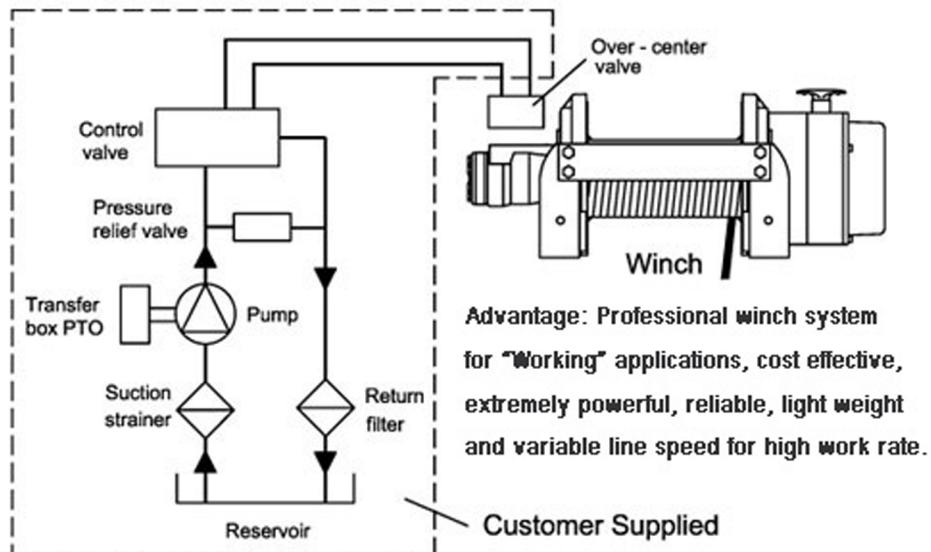
**Each new winch is guaranteed against defects in workmanship and material defects
for a period of twelve months from date of purchase**



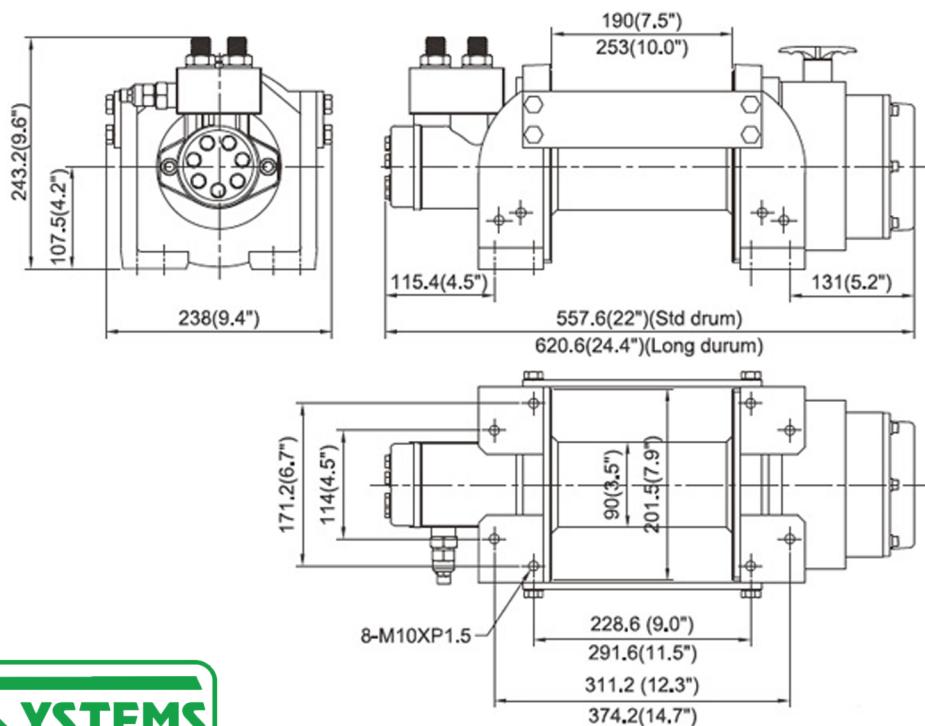
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Hydraulic System:

(Powered by a PTO / power take off unit driven pump)



Dimensions, mm/in:



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