

# Bison 30

## 30 000 lb Hydraulic Winch



PN 683030 STD Drum (175 bar/2 540 psi)  
PN 683352 Long Drum (175 bar/ 2 540 psi)

### Features Include

- Robust and reliable heavy duty winch supplied with roller fairlead and rope tensioner.
- Hardened 2-stage planetary gear train with 41.1 gear ratio provides rapid line speed.
- Built-in pneumatic free-spool clutch for rapid wire rope payout.
- Fail-safe, spring applied, hydraulically released Multi-Disc Brake (MDB) holds full load.
- Recommended for heavy duty trailers, roll-back carriers and commercial recovery application.
- 2-way counterbalance valve provides smooth, controlled lowering of loads..
- Meets SAE J706 CE machinery directive 2006/42/EC

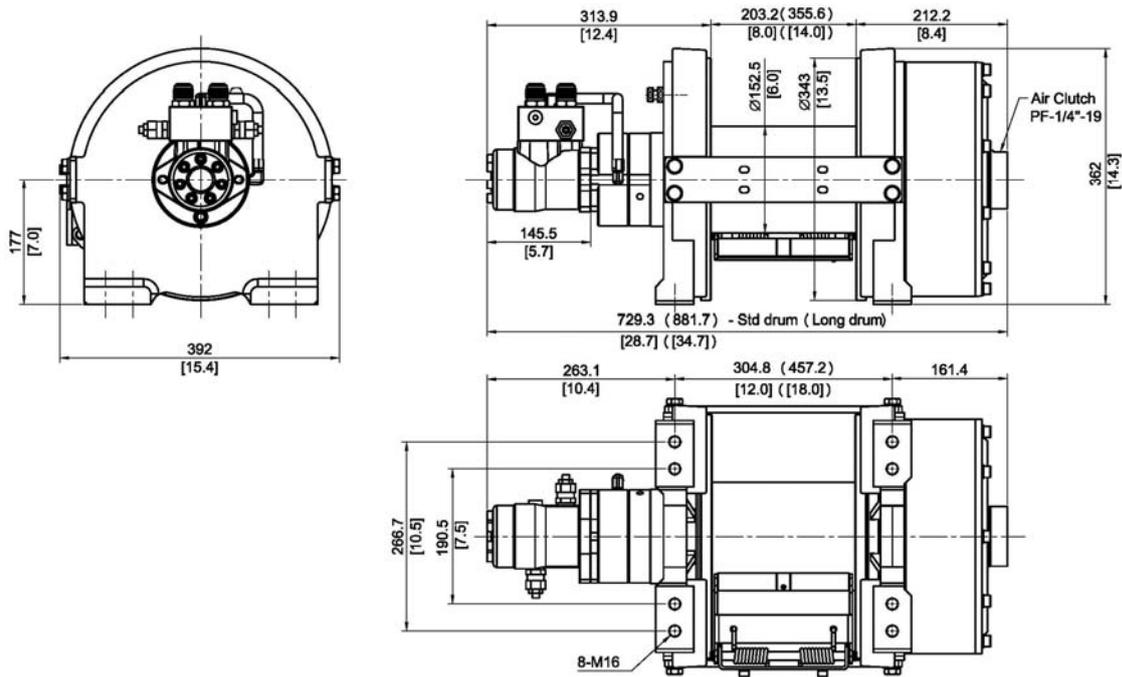
### Specifications

- Rated Line Pull: 13 600 kg / 30 000 lb
- Line Speed: 5.0 mpm 60 l/min at first layer of rope
- Operation Pressure: 175 bar/2 540 psi
- Max Oil Flow: 60 l/min
- Hydraulic Motor: 155.7 cc
- Gear Train: 2-stage Planetary Gears
- Gear Ratio: 41:1
- Winch Construction: Cast Housings with Steel Drum
- Clutch (Freespooling): Output shaft disengaged
- Brake: Multi-Disc Brake (MDB) patented
- Rotation of Winch: Wire rope under-wound orientation only
- Drum Barrel Diameter: 152 mm
- Drum Flange Diameter: 343 mm
- Distance Between Flanges: 203 mm Std Drum, 355 mm Long Drum
- Wire Rope Recommended: 16 mm x 43 m Std drum  
16 mm x 75 m Long drum  
1 960 N/mm<sup>2</sup> breaking strength of 137 kN is required for SAE ratings  
16 mm x 30 m Std. drum  
16 mm x 55 m Long Drum  
1 960 N/mm<sup>2</sup> breaking strength of 179 kN required for SAE J706 ratings

## Line Pull and Rope Capacity

ROPE LAYER	PULL BY LAYER (KG / LB)	LINE SPEED @ 60 L/MIN (MPM)	TOTAL ROPE ON DRUM (M)	
			STD DRUM	LONG DRUM
1	13 600 / 30 000	5.0	6	11
2	11 438 / 25 216	5.9	14	25
3	9 864 / 21 745	6.9	22	40
4	8 670 / 19 115	7.8	32	58
5	7 735 / 17 052	8.8	43	75

## Dimensions mm/inch



## Packaging

Winch Weight: 197 kg  
 Gross Weight: 235 kg  
 Box Dimensions: 1 040 x 620 x 510 mm (Long Drum).

## Standard Accessories

Roller fairlead  
 Counterbalance Valve  
 Cable Tensioner

## WARNING!

- Do not use winch to transport, lift or otherwise move personnel.
- The rated line pull shown is based on the first layer of wire rope on the drum.
- The wire rope must remain on the drum at all time with at least 5 wraps.

## Warranty

Every winch is guaranteed against defects in workmanship and materials for 12 months from date of purchase.