

# NEWSLETTER



## New Product Release — BISON 20/30 Dual-Speed Hydraulic Winch

Building on the field-proven Bison 20/30 hydraulic winch, COMEUP now introduces its extended application series — a dual-speed solution designed for demanding recovery and industrial operations.

The system allows operators to switch between high-torque mode for heavy pulling and high-speed mode for rapid line retrieval, allowing the winch to adapt according to load and mission requirements without sacrificing control or durability.



### Bison 20:

- Low speed: 5.8 m/min (19.0 fpm)  
Line pull: 9,070 kg (20,000 lb)
- High speed: 11.6 m/min (38.1 fpm)  
Line pull: 4,080 kg (9,000 lb)

### Bison 30:

- Low speed: 4.5 m/min (14.7 fpm)  
Line pull: 13,600 kg (30,000 lb)
- High speed: 9.0 m/min (29.5 fpm)  
Line pull: 6,210 kg (13,492 lb)

### Application Fields:

- Military / Armored / Special-Purpose Vehicles
- Road Recovery & Off-Road Rescue
- Construction, Mining & Forestry Operations
- Port Equipment & Industrial Pulling Systems
- Heavy Construction Machinery Support Systems



**PN 682705 TWO-Speed (175 bar / 2,540 psi)**

### Features Include

- Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working rate
- 155.7 cm<sup>3</sup>/rev highly efficient and constant operating torque motor with 9,070 kg / 20,000 lb capacity
- Hardened 2 stage planetary gear train with 30:1 gear ratio provides faster line speed
- Built-in air clutch for rapid wire rope payout
- The Multi-Disc Brake ( MDB ) patented for holding full load
- Great for severe duty trailers, roll-back carriers, and commercial recovery application
- Roller fairlead, cable tensioner and two ways counter-balance valve supplied
- Meet SAE J706, CE machinery directive 2006/42/EC or EN 14492-1:2006 Power Driven Winches

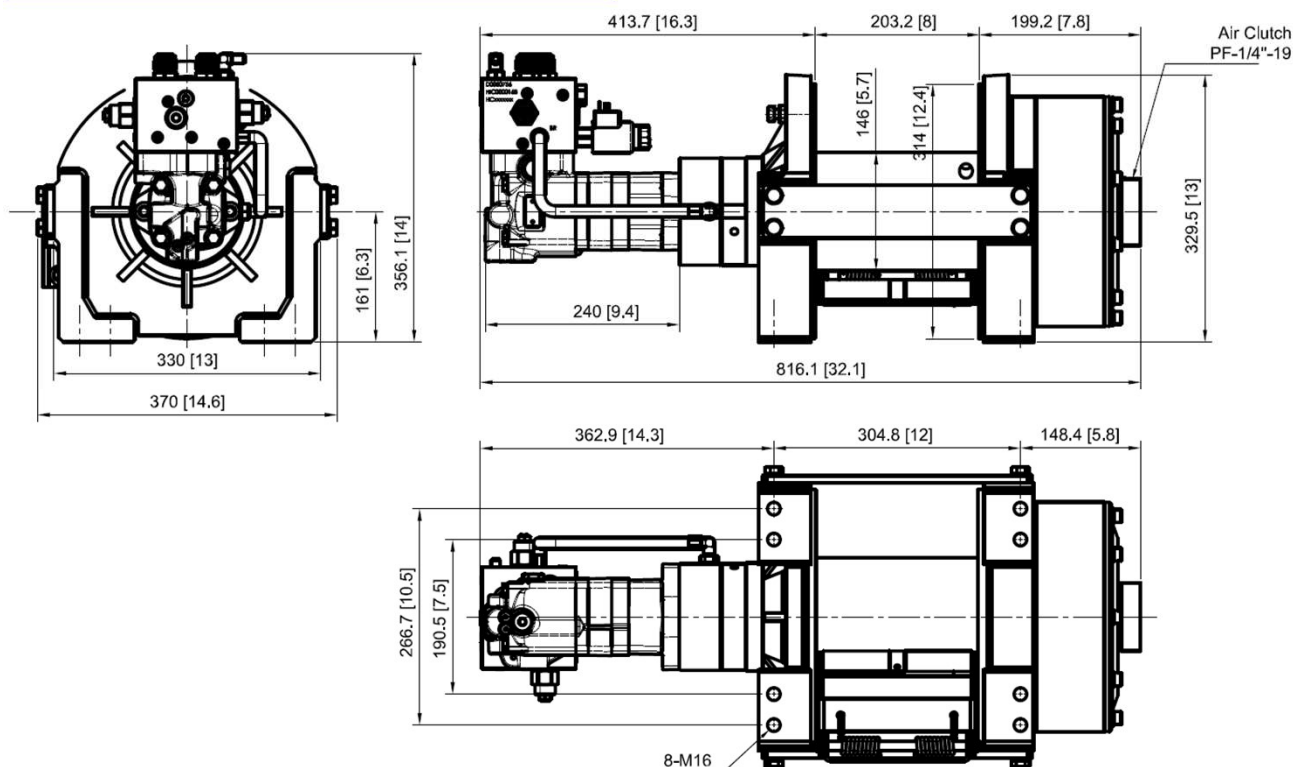
### Specifications

|                           |                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated line pull:          | Low Speed: 9,070 kg / 20,000 lb<br>Hi Speed : 4,080 kg / 9,000 lb                                                                                                                                                                         |
| Line speed:               | Low Speed: 5.8 mpm (19.0fpm)<br>Hi Speed :11.6 mpm (38.1fpm) at 60 l / min at 1st layer of rope                                                                                                                                           |
| Operation pressure:       | 175 bar / 2,540 psi                                                                                                                                                                                                                       |
| Max oil flow:             | 60 l/min ( 15.9 g / min )                                                                                                                                                                                                                 |
| Hydraulic motor:          | 160 cm <sup>3</sup> / rev ( 9.8 in <sup>3</sup> / rev )                                                                                                                                                                                   |
| Gear train:               | 2 stage planetary gears                                                                                                                                                                                                                   |
| Gear ratio:               | 30 : 1                                                                                                                                                                                                                                    |
| Winch construction:       | cast housings with steel drum                                                                                                                                                                                                             |
| Clutch ( Freespooling ):  | output shaft disengaged                                                                                                                                                                                                                   |
| Brake:                    | multi-Disc Brake ( MDB ) patented                                                                                                                                                                                                         |
| Rotation of winch:        | wire rope shall be under-wound orientation only                                                                                                                                                                                           |
| Drum barrel diameter:     | 146 mm ( 5.8" )                                                                                                                                                                                                                           |
| Drum flange diameter:     | 314 mm ( 12.4" )                                                                                                                                                                                                                          |
| Distance between flanges: | 203.2 mm ( 8" )                                                                                                                                                                                                                           |
| Wire rope recommended:    | 14 mm x 43 m ( 9/16" x 141' )<br>1,960 N/mm <sup>2</sup> breaking strength of 137 kN is required for SAE ratings<br>16 mm x 30 m ( 5/8" x 98' ,<br>1,960 N/mm <sup>2</sup> breaking strength of 179 kN is required for EN-14492-1 ratings |

# Line Pull and Rope Capacity

| Layer of Wire Rope | Pull by Layer kg / lb |               | Total Rope on the Drum m / ft |            | Line Speed                         |             |
|--------------------|-----------------------|---------------|-------------------------------|------------|------------------------------------|-------------|
|                    | Low Speed             | Hi Speed      | 14 mm rope                    | 16 mm rope | at 60 l/min (15.9 g/min) mpm / fpm |             |
|                    |                       |               |                               |            | Low Speed                          | Hi Speed    |
| 1 <sup>st</sup>    | 9,070 / 20,000        | 4,080 / 9,000 | 7 / 23                        | 20 / 6     | 5.8 / 19.0                         | 11.6 / 38.1 |
| 2 <sup>nd</sup>    | 7719 / 17,018         | 3472 / 7655   | 15 / 49                       | 43 / 13    | 6.5 / 21.0                         | 13.7 / 45.0 |
| 3 <sup>rd</sup>    | 6719 / 14,813         | 3022 / 6662   | 24 / 79                       | 69 / 21    | 7.9 / 26.0                         | 15.7 / 51.5 |
| 4 <sup>th</sup>    | 5948 / 13,113         | 2675 / 5897   | 34 / 112                      | 98 / 30    | 8.9 / 29.2                         | 17.7 / 58.1 |
| 5 <sup>th</sup>    | 5335 / 11,762         | 2400 / 5291   | 46 / 151                      |            | 9.9 / 32.5                         | 19.8 / 65.1 |

## Dimension in mm/in



## Package

- Winch weight: 143 kg / 315 lb
- Gross weight: 173 kg / 381 lb
- Box dimension: 900 x 500 x 510 mm (35.4" x 19.7" x 20.1")

## Warning

- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- 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.

**Comeup Industries Inc.**

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**PN 683710 TWO-Speed (175 bar / 2,540 psi)**

### Features Include

- Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working rate
- 160 cm<sup>3</sup>/rev highly efficient and constant operating torque motor with 13,600 kg / 30,000 lb capacity
- Hardened 2 stage planetary gear train with 41:1 gear ratio provides faster line speed
- Built-in air clutch for rapid wire rope payout
- The Multi-Disc Brake ( MDB ) patented for holding full load
- Great for severe duty trailers, roll-back carriers, and commercial recovery application
- Roller fairlead, cable tensioner and two ways counterbalance valve supplied
- Meet SAE J706 and CE machinery directive 2006/42/EC

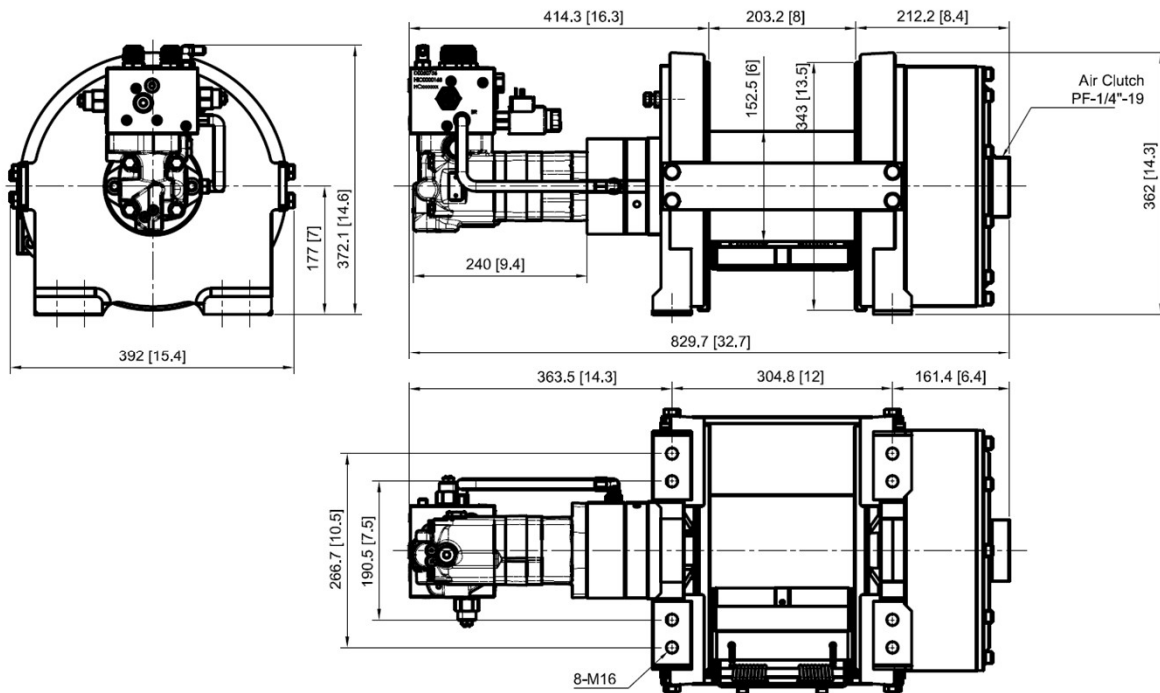
### Specifications

|                           |                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| Rated line pull:          | Low Speed : 13,600 kg / 30,000 lb<br>Hi Speed : 6,210 kg / 13,492 lb                                              |
| Line speed:               | Low Speed : 4.5 mpm (14.7fpm)<br>Hi Speed : 9.0 mpm (29.5fpm) at 60 l / min at 1st layer of rope                  |
| Operation pressure:       | 175 bar / 2,540 psi                                                                                               |
| Max oil flow:             | 60 l/min ( 15.9 g / min )                                                                                         |
| Hydraulic motor:          | 160 cm <sup>3</sup> / rev ( 9.8 in <sup>3</sup> / rev )                                                           |
| 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 shall be under-wound orientation only                                                                   |
| Drum barrel diameter:     | 152.5 mm ( 6" )                                                                                                   |
| Drum flange diameter:     | 343 mm ( 13.5" )                                                                                                  |
| Distance between flanges: | 203.2 mm ( 8" )                                                                                                   |
| Wire rope recommended:    | 16 mm x 43 m ( 5/8" x 141' )<br>1,960 N/mm <sup>2</sup> breaking strength of 179 kN required for SAE J706 ratings |

## Line Pull and Rope Capacity

| Layer of Wire Rope | Pull by Layer kg / lb |               | Total Rope on the Drum m / ft | Line Speed                         |             |
|--------------------|-----------------------|---------------|-------------------------------|------------------------------------|-------------|
|                    | Low Speed             | Hi Speed      | 16 mm rope                    | at 60 l/min (15.9 g/min) mpm / fpm |             |
|                    |                       |               |                               | Low Speed                          | Hi Speed    |
| 1 <sup>st</sup>    | 13,600 / 30,000       | 6120 / 13,500 | 6 / 20                        | 4.5 / 14.7                         | 9.0 / 29.5  |
| 2 <sup>nd</sup>    | 11,429 / 25,197       | 5143 / 11,338 | 14 / 44                       | 5.3 / 17.3                         | 10.6 / 34.8 |
| 3 <sup>rd</sup>    | 9,856 / 21,729        | 4435 / 9,778  | 22 / 73                       | 6.1 / 20.0                         | 12.3 / 40.4 |
| 4 <sup>th</sup>    | 8,664 / 19,101        | 3899 / 8,596  | 32 / 104                      | 7.0 / 23.0                         | 14.0 / 46.0 |
| 5 <sup>th</sup>    | 7,729 / 17,040        | 3478 / 7,668  | 43 / 141                      | 7.8 / 25.6                         | 15.7 / 52.0 |

## Dimension in mm/in



## Package

- Winch weight : 183 kg / 403 lb
- Gross weight : 206 kg / 454 lb
- Box dimension : 1000 x 510 x 530 mm  
( 39.4" x 20.1" x 20.9" )

## Standard Accessories

- Roller fairlead
- counterbalance valve
- Cable tensioner

## Warning

- The winch is not intended to be used in any manner for the movement or lifting of personnel.
- 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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