BLOOM™ WINCH

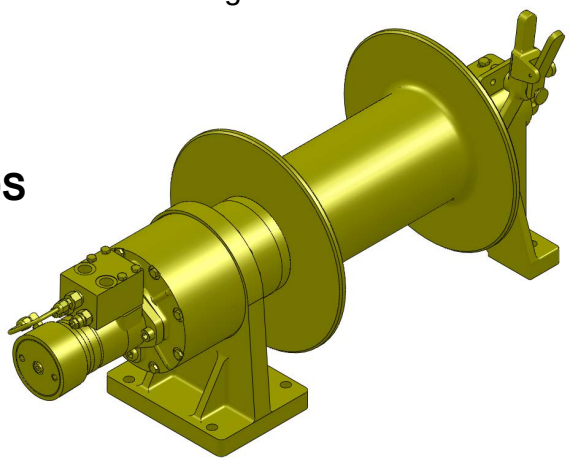
Series 2300HC

"Quality Since 1910"

HYDRAULIC PLANETARY CABLE WINCHES

The rugged construction and versatility of **Series 2300HC** makes it adaptable to a wide range of applications. **Series 2300HC** clutch drive winches are equipped with a sliding clutch to allow free-spooling of the drum for pulling and dragging applications including factory material handling, mining and logging equipment, flat bed trailers, air freight pullers, off the road tractors and rear of cab and front mounting on trucks. **Series 2300HC** is equipped with hydraulic Fail-Safe Brake.

UP TO 16,000 POUNDS CAPACITY



Bloom™ Hydraulic Cable Winches – Standard Features

MOTOR-BRAKE - ***DUET-SAFE® Double Action Braking System*** combines a powerful spring applied, hydraulic released motor-brake with a double counter balance brake valve to automatically hold loads when hydraulic pressure is released and control speed during owering operations. Winch is ideal for high speed pulling applications or wherever load holding is critical.

GEAR CASE - Made of high strength steel. Completely sealed for oil enclosed operation and to keep dirt out.

PLANETARY GEAR - High Efficiency Double Reduction – Rugged - Built to Last.

GEAR RATIO - 17:1 standard.

BEARINGS - Drum Shaft is supported by two heavy duty oil lubricated bearings in gear case, and one permanently sealed ball bearing in end housing.

DRUM SHAFT - 2-1/4" diameter heat -treated alloy steel minimum tensile strength 150,000 psi.

CABLE DRUM - Tough all steel construction resists breakage or warping.

CLUTCH - Series 2300HC winches comes equipped with heat-treated dog type clutch to provide free-spooling of the winch drum. Positive lock-in and lock-out.

www.bloommfg.com

BLOOM Manufacturing Inc.
Winch Division

Lifting Pulling Hoisting

Toll Free Number: 1-800-394-1139

"Custom Engineered Solutions"

1443 220th Street,, Independence, Iowa 50644 • FAX: 319-827-1140 • PHONE: 319-827-1139

BLOOM™ WINCH

Series 2300HC
Model Selection from Performance Data

"Quality Since 1910"

MODEL EXAMPLE: 23H-6.2T -L14-C-17

23 = Series 2300HC with 2-1/4" Drum Shaft

H = Integral Fail-Safe Brake

Hydraulic Motor Designation
3.0T, 6.2T, 11.9T

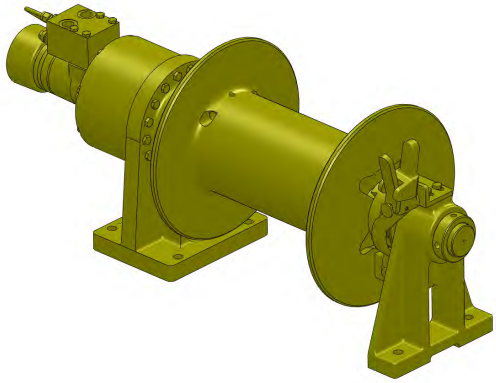
Drum Designation
S14, L14 with 7" Core

Clutch Designation
(Do not use clutch model for lifting applications.)

Gear Ratio (17:1)

DRUM CAPACITY

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S14" CAPACITY (FT.)	615	400	300	225	160	115
DRUM "L14" CAPACITY (FT.)	1100	712	517	409	295	200



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Model Selection from Performance Data

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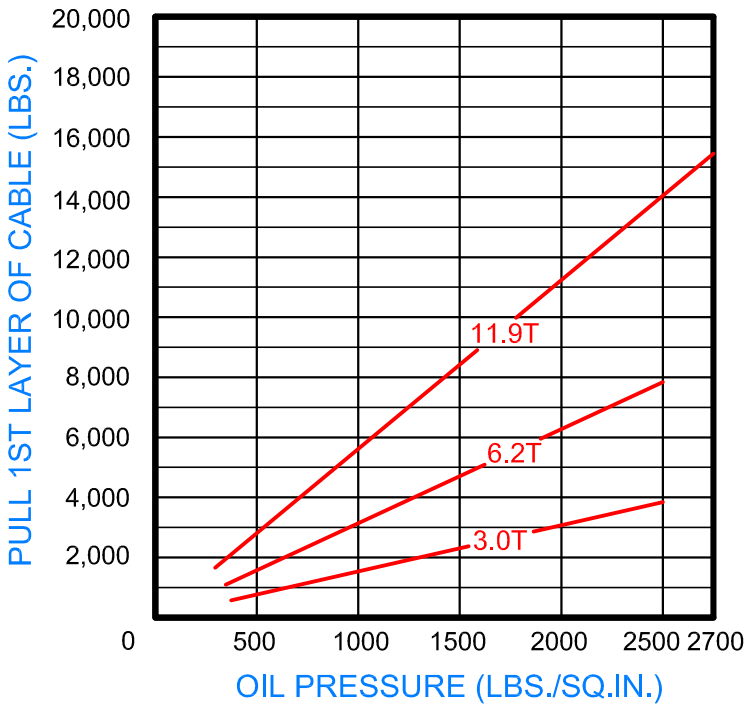
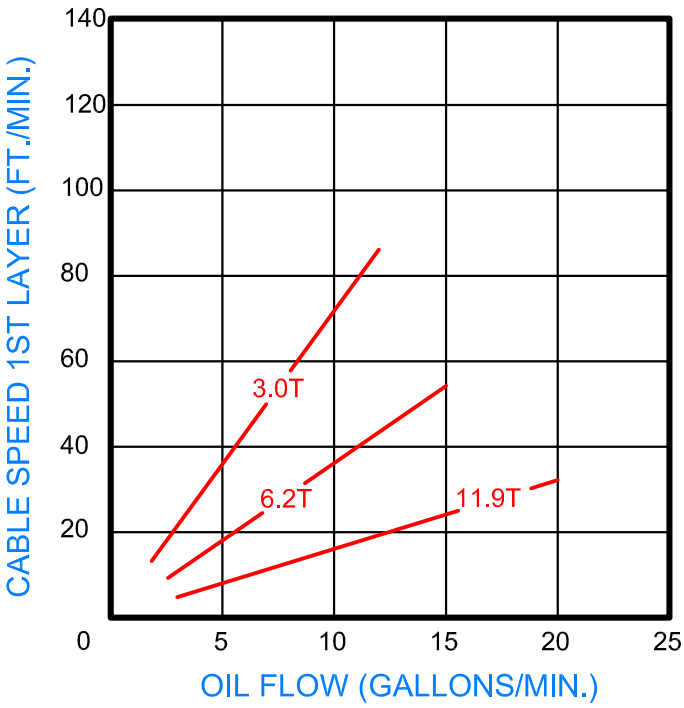
17:1 RATIO





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Dimensional Drawings

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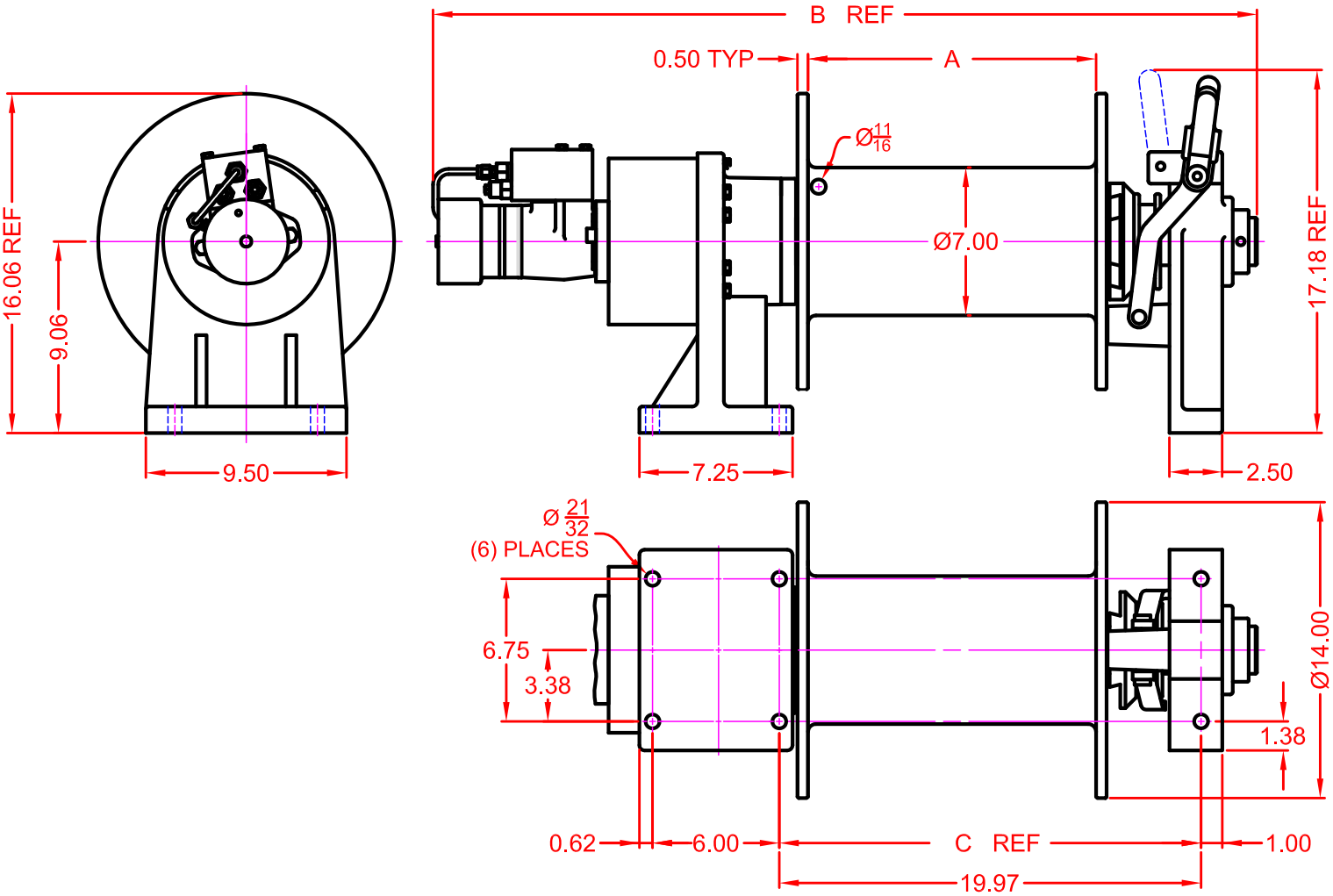
Series 2300HC With S14 and L14 Drum
Base Mount Model - Clutch Drive



B DIMENSION	MOTOR DESIGNATION		
	3.0T	6.2T	11.9T
S14 DRUM	32.53	33.00	33.27
L14 DRUM	38.53	39.00	39.27

WINCH DIMENSION	DRUM DESIGNATION	
	S14 DRUM	L14 DRUM
A DIMENSION	7.63	13.63
C DIMENSION	13.97	19.97

BLOOM™ WINCH

2300HC Series Model Selection

3.0T MOTOR
23H-3.0T-S14C-17
23H-3.0T-L14C-17

6.2T MOTOR
23H-6.2T-S14C-17
23H-6.2T-L14C-17

9.6T MOTOR
23H-9.6T-S14C-17
23H-9.6T-L14C-17

11.9T MOTOR
23H-11.9T-S14C-17
23H-11.9T-L14C-17

BLOOM™ WINCH

Correct choice of Directional Control Valves for Bloom Winches

Winches require a ***Motor Spool Control Valve***.
That is the valve's work ports are ***open*** to tank in neutral position.

*Winches require ridged mounting plate.
See owner's manual for information about proper mounting plate thickness or call Bloom Sales Engineer at factory

WARNING!

Goods are not intended for use in the moving or lifting of persons!

The winches described herein are neither designed nor intended for use or application to equipment used in the lifting or moving of persons and it is understood that all such use shall be at the sole risk of the user.

The cable clamps on winches are not designed to hold rated loads. A minimum of 5 wraps of cable must be left on drum barrel to guarantee holding of rated load.

Applications of winch where life would be endangered by any event are not recommended.

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Winch Division

1443 220th Street,, Independence, Iowa 50644

FAX 319-827-1140 PHONE 319-827-1139

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