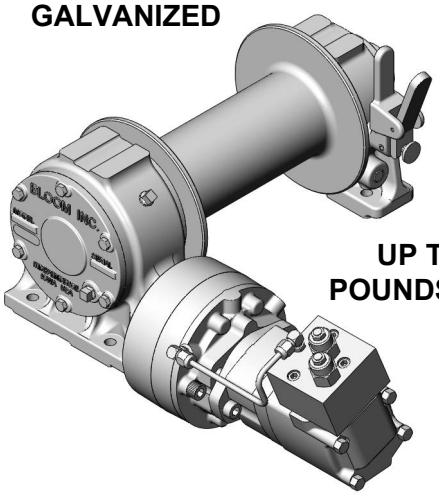
# BLOOM™ WINCH

## Series 1000KC Galv

*"Quality Since 1910"*

### *HYDRAULIC CABLE WINCHES*

**GALVANIZED**



**UP TO 12,000 POUNDS CAPACITY**

The rugged construction and versatility of **Series 1000KC** makes it adaptable to a wide range of applications. **Series 1000KC Galv** winches are equipped with a sliding clutch to allow free-spooling of the drum for industrial pulling and dragging applications including rear of cab and front mounting on ½ to 1½ ton trucks, flat bed trailers, factory material handling, mining and logging operations, air freight pullers, off the road tractors, aboard ships and boats. **Series 1000KC Galv** is equipped with hydraulic fail-safe brake.

## Bloom™ Hydraulic Cable Winches – Standard Features

| | |
|---|---|
| **BRAKE** | - ***DUET-SAFE® Double Action Braking System*** combines a powerful spring applied, hydraulic released brake with a double counter balance brake valve to automatically hold loads when hydraulic pressure is released and control speed during lowering operations. Winch is ideal for high speed pulling applications or wherever load holding is critical. |
| **GEAR CASE** | - Made of high strength cast iron. Completely sealed for oil enclosed operation and to keep dirt out. |
| **WORM SHAFT** | - One piece alloy steel hardened and ground for extra durability. Compact design allows hydraulic motor to be coupled directly to worm. |
| **WORM GEAR** | - High tensile aluminum-nickel alloy bronze. Optimum lead and pressure angles transmit maximum power to the drum. |
| **GEAR RATIO** | - 20:1 standard, 10:1, 27:1, 40:1 optional ratios provide optimum efficiency in power and speed. |
| **BEARINGS** | - Worm gear and worm shaft run on tapered roller bearings. Outer end housing has sealed ball bearing. |
| **DRUM SHAFT** | - 1-1/2" diameter heat -treated alloy steel minimum tensile strength 150,000 psi. |
| **CABLE DRUM** | - Tough all steel construction resists breakage or warping. |
| **CLUTCH** | - Series 1000KC Galv winch 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

"Custom Engineered Solutions"

Lifting Pulling Hoisting

Toll Free Number: 1-800-394-1139

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# BLOOM™ WINCH

## Series 1000KC Galv

### Model Selection from Performance Data

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**MODEL EXAMPLE: 10K-4.9M-L8-C-10-LP-GALV**

**Gear Case Mounting**
**10K = Series 1000KC Galv With 1-1/2" Drum Shaft**

**Hydraulic Motor Designation**
**AM, 4.9M, 6.2M, 8.0M, 9.6M, 11.9M**

**Drum Sizes**
**S8, L8, XL10, XL12, XL14**

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

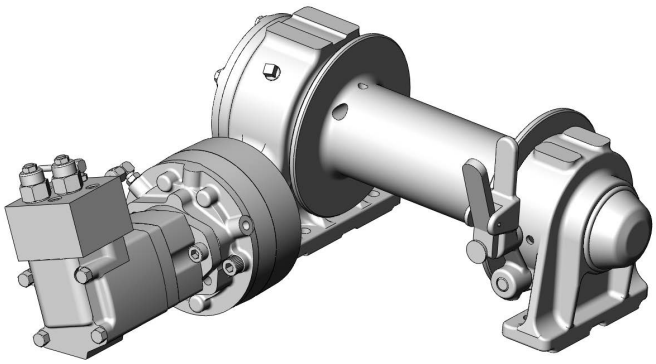
**Gear Ratio**
**10:1, 20:1, 27:1, 40:1**

**Low Profile Mounting (specify with or without mounting angles)**

**Galvanized**

## DRUM CAPACITY

| CABLE DIAMETER (IN.) | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 |
|---|---|---|---|---|---|
| DRUM "S8" CAPACITY (FT.) | 260 | 160 | 105 | 75 | 55 |
| DRUM "L8" CAPACITY (FT.) | 390 | 240 | 160 | 110 | 80 |
| DRUM "XL10" CAPACITY (FT.) | 840 | 550 | 340 | 250 | 170 |
| DRUM "XL12" CAPACITY (FT.) | 1320 | 840 | 580 | 380 | 280 |
| DRUM "XL14" CAPACITY (FT.) | 1900 | 1180 | 760 | 540 | 410 |



# BLOOM™ WINCH

## Series 1000KC Galv

### With Hydraulic Safety Brake
### Model Selection from Performance Data

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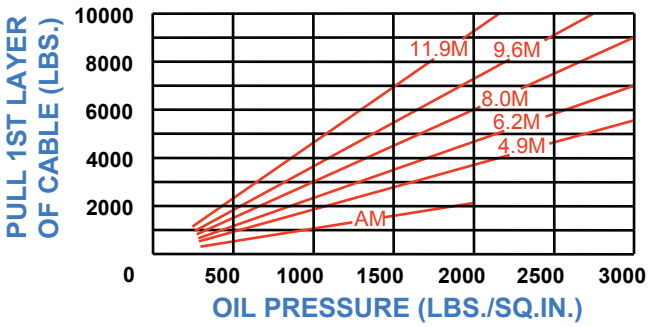
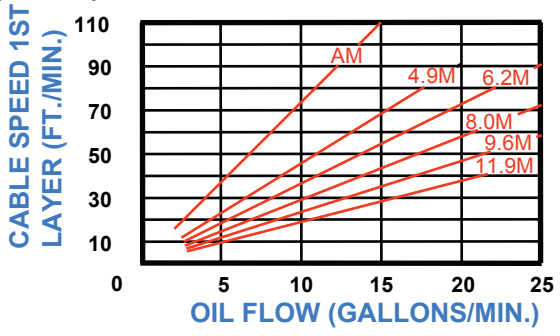
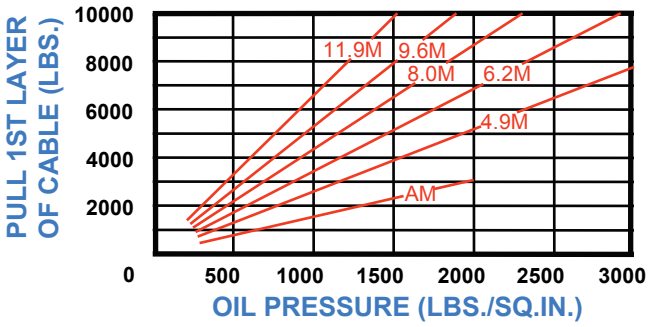
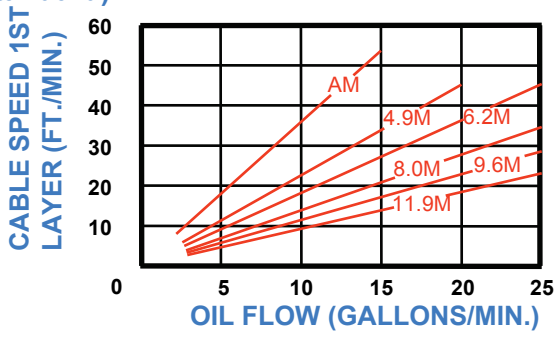
**10:1 RATIO (optional)**



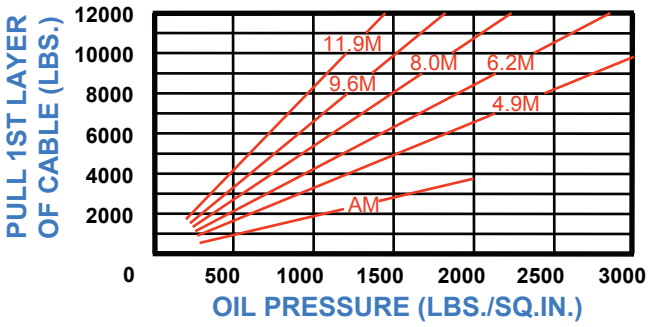



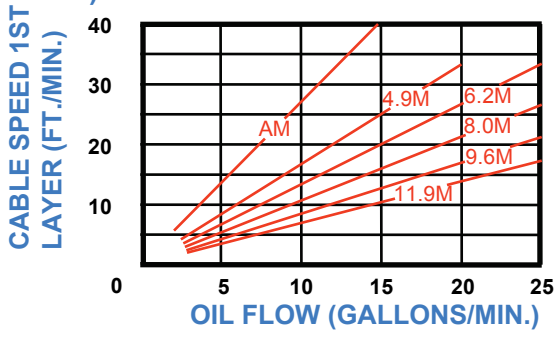

**20:1 RATIO (standard)**



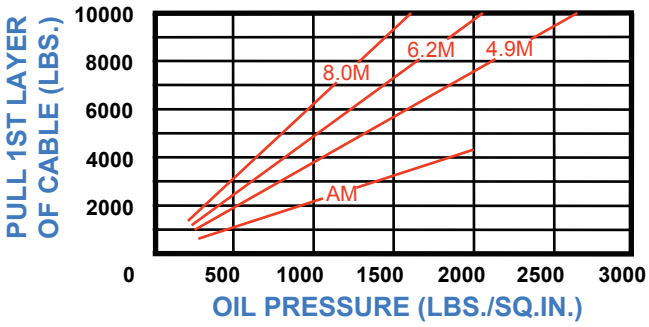



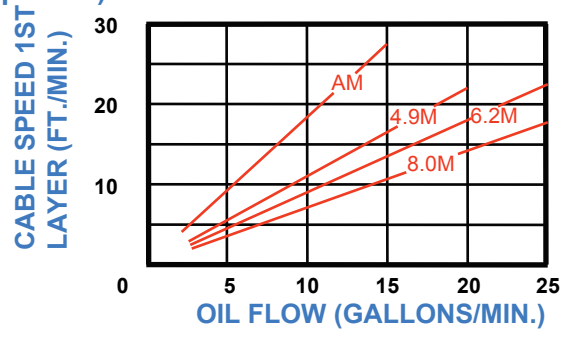

**27:1 RATIO (optional)**




**40:1 RATIO (optional)**



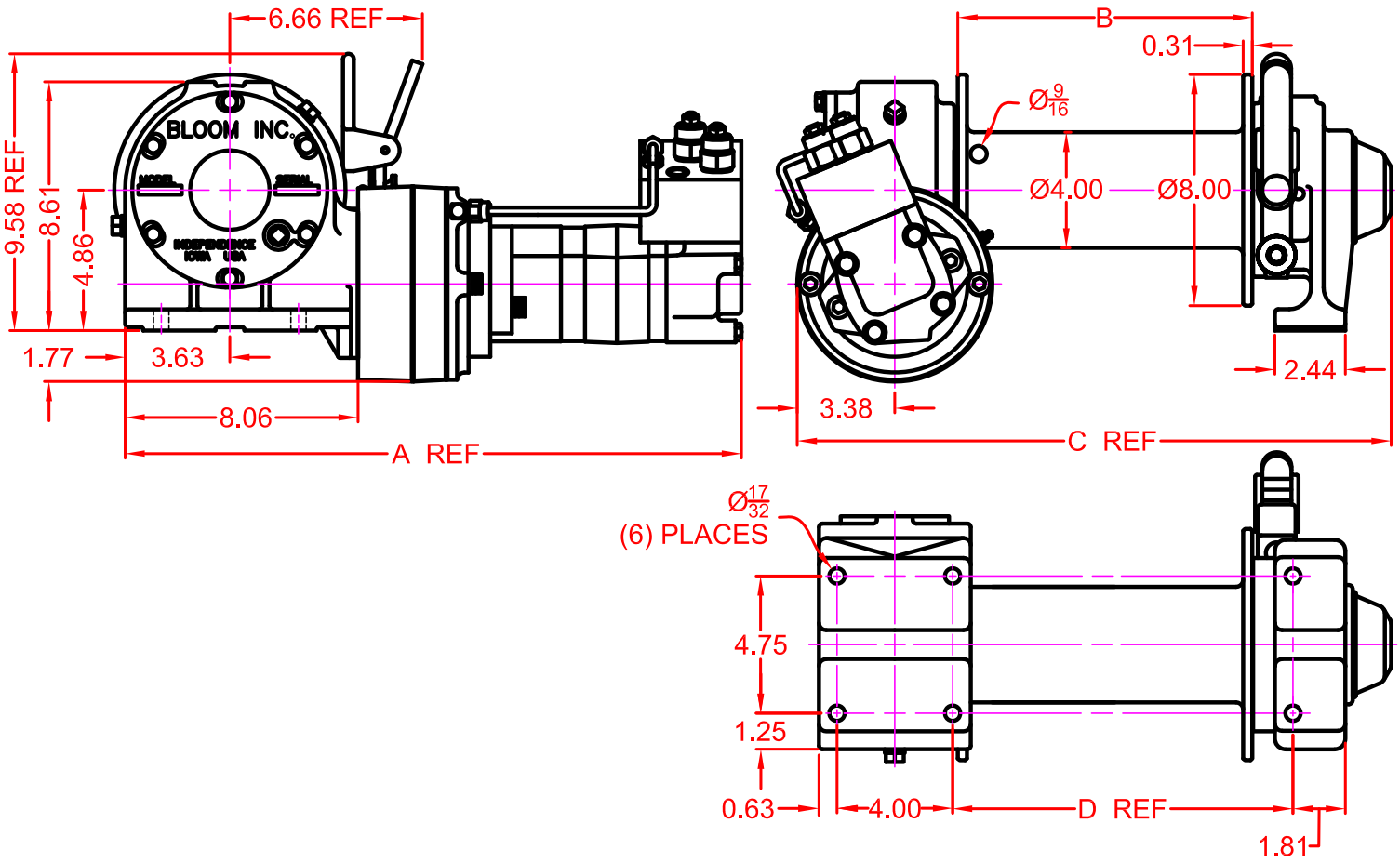



# BLOOM™ WINCH

## Dimensional Drawings

*"Quality Since 1910"*

**Series 1000KC Galv With S8 and L8**
**Drum Base Mount Model - Clutch Drive**




| MOTOR DESIGNATION | AM | 4.9M | 6.2M | 8.0M | 9.6M | 11.9M |
|---|---|---|---|---|---|---|
| A DIMENSION | 18.10 | 19.80 | 20.07 | 20.32 | 20.32 | 20.59 |

| DRUM DESIGNATION | WINCH DIMENSION | | |
|---|---|---|---|
| | B | C | D |
| S8 | 7.19 | 17.55 | 8.62 |
| L8 | 10.19 | 20.55 | 11.62 |

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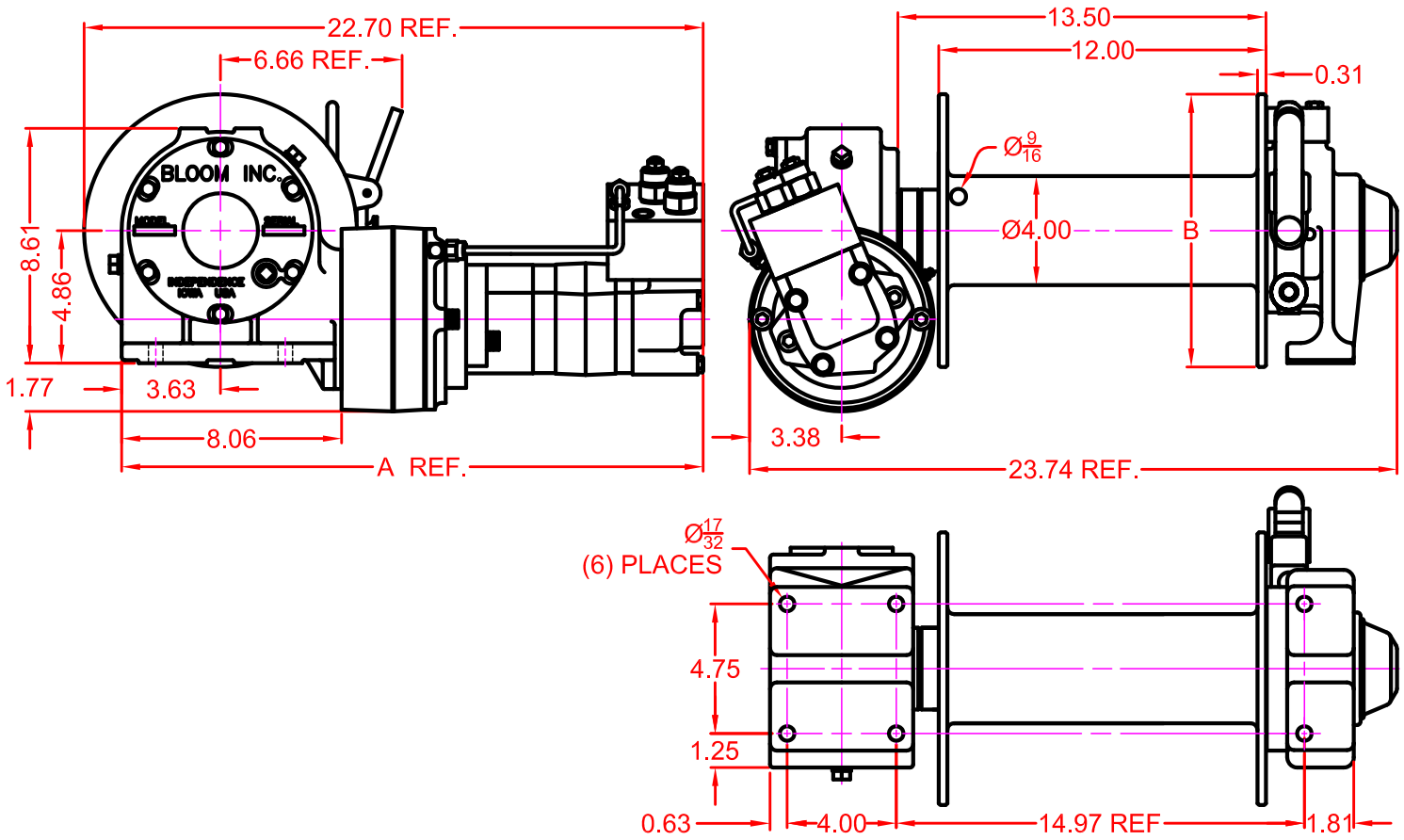
# BLOOM™ WINCH

## Dimensional Drawings

**Series 1000KC Galv With XL10, XL12 and XL14**
**Drum Base Mount Model - Clutch Drive**




| MOTOR DESIGNATION | AM | 4.9M | 6.2M | 8.0M | 9.6M | 11.9M |
|---|---|---|---|---|---|---|
| A DIMENSION | 18.10 | 19.89 | 20.07 | 20.32 | 20.32 | 20.59 |

| DRUM DESIGNATION | XL10 | XL12 | XL14 |
|---|---|---|---|
| B DIMENSION | 10 | 12 | 14 |

# 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.**

# BLOOM Manufacturing Inc.

## Winch Division

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