

# BLOOM™ WINCH

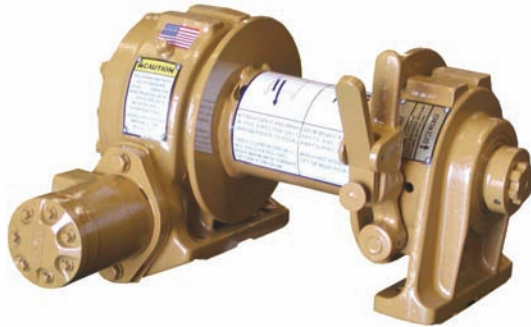


## Series 1000C

### HYDRAULIC CABLE WINCHES

“Quality Since  
1910”

The rugged construction and versatility of the **1000C Series** makes it adaptable to a wide range of applications.. The **1000C Series** winches are equipped with a sliding clutch to allow free-spooling of the drum for industrial pulling applications including rear of cab and front mounting on ½ to 1 ½ ton trucks, flat bed trailers, factory material handling, mining and logging operations, air freight pullers, off the road tractors, aboard ships and boats.



1000 Series Base Mount shown Low  
Profile Mount Available

UP TO 12,000 LBS.  
CAPACITY

## Bloom™ Hydraulic Cable Winches – Standard Features

- |                   |   |
|-------------------|---|
| <b>GEAR CASE</b>  | - Made of high strength cast iron. Completely sealed for oil enclosed operation and to keep dirt out.   |
| <b>WORM SHAFT</b> | - One piece alloy steel hardened and ground for extra durability. Compact design allows hydraulic motor to be coupled directly to worm.                       |
| <b>WORM GEAR</b>  | - High tensile aluminum-nickel alloy bronze. Optimum lead and pressure angles transmit maximum power to the drum.   |
| <b>GEAR RATIO</b> | - 20:1 standard, 10:1, 27:1, 40:1 optional ratios provide optimum efficiency in power and speed.  |
| <b>BEARINGS</b>   | - Worm gear and worm shaft run on tapered roller bearings. Outer end housing has sealed ball bearing.   |
| <b>DRUM SHAFT</b> | - 1-1/2” diameter heat -treated alloy steel minimum tensile strength 150,000 psi.   |
| <b>CABLE DRUM</b> | - Tough all steel construction resists breakage or warping.   |
| <b>CLUTCH</b>     | - 1000C and 1000KC Series winches comes equipped with heat-treated dog type clutch to provide free-spooling of the winch drum. Positive lock-in and lock-out. |



# BLOOM

Manufacturing Inc.

Winch Division

Lifting  
Pulling  
Hoisting

Toll Free Number: 1-800-394-1139

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**“Custom Engineered Solutions”**

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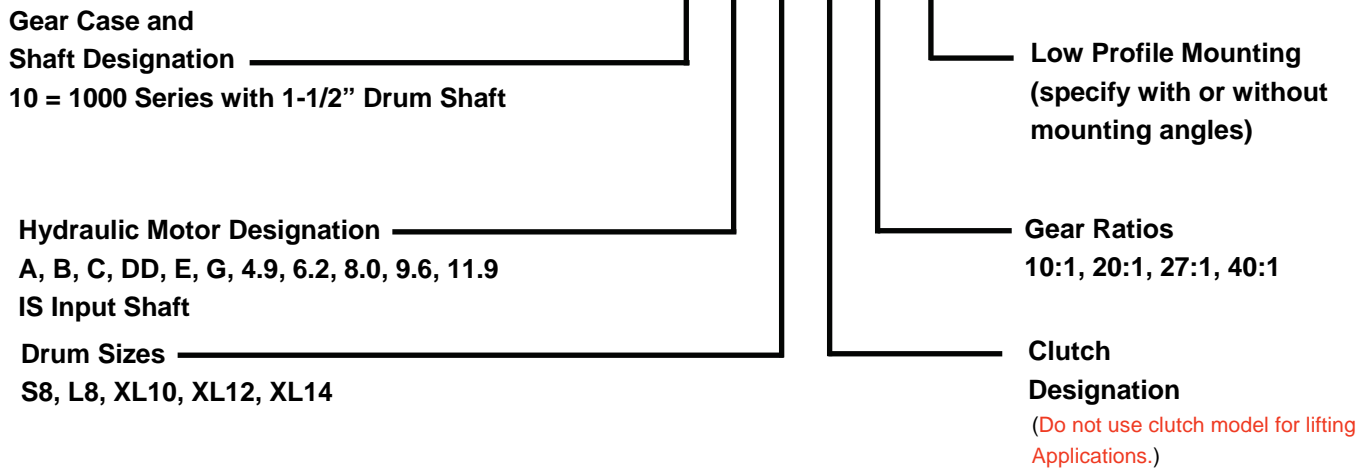
# BLOOM™ WINCH



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## 1000C Series Model Selection from Performance Data

### MODEL EXAMPLE: 10-E-L8-C-20-LP



- (10) Indicates winch series. "10" indicates a 1000C Series winch with an 1-1/2" drum.
- (E) Designates hydraulic motor. Motor size is determined from motor performance charts. All motors have 7/8-14 SAE O-ring ports. To order a mechanically driven winch with 1" input shaft use designation "IS". Mechanical winches are available with 1-1/2" shaft models only.
- (L8) Select drum size from chart below:

### 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

- (C) Designates 1000C Series winch with dog type clutch for free-spooling drum.
- (20) Indicates gear ratio. 20:1 is standard. 10:1, 27:1, and 40:1 are also available.
- (LP) Design low profile mounting on 1000C Series winches. 1000C Low Profile Series winches with mounting angles are available only with S8 and L8 drums. However, it is necessary on all low profile whether the winch is to be supplied "with angles" or "less angles".

# BLOOM™ WINCH

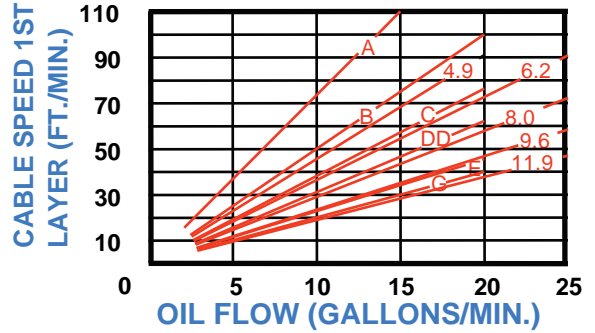
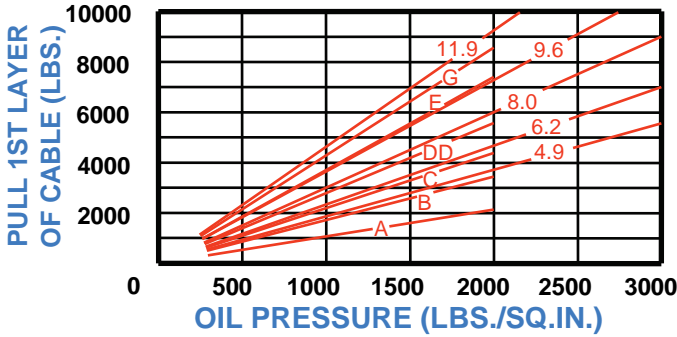


## Series 1000C

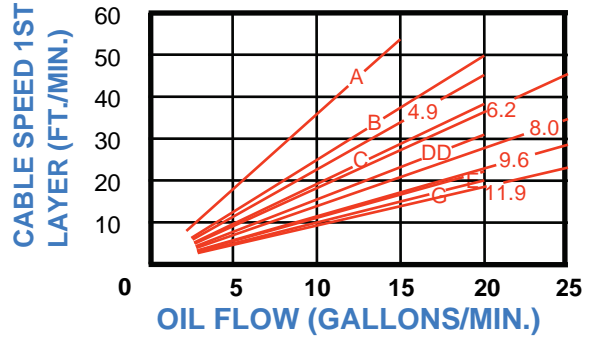
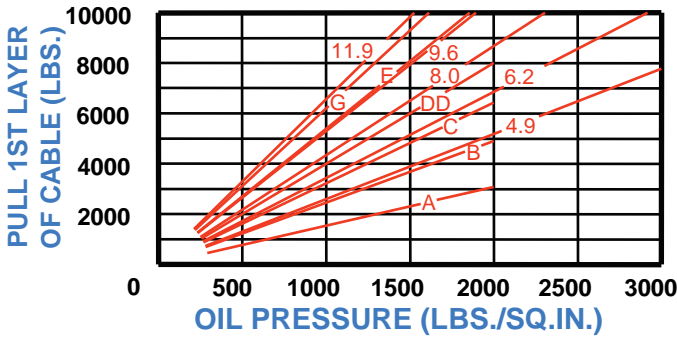
"Quality Since 1910"

### Model Selection from Performance Data

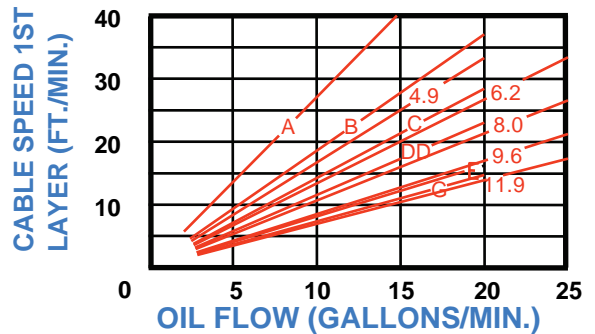
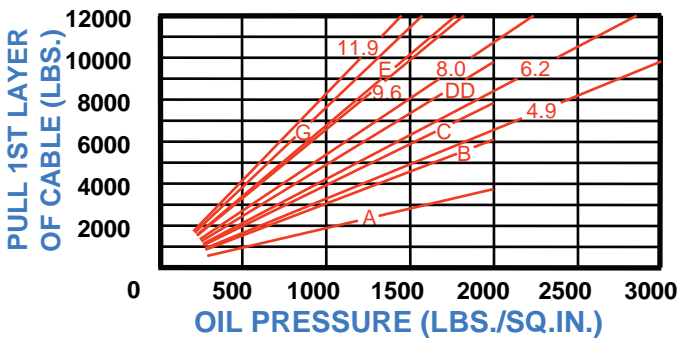
10:1 RATIO (optional)



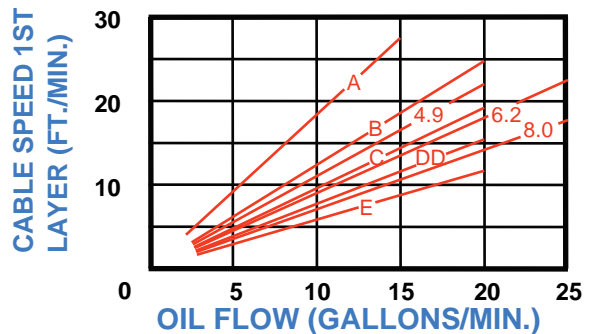
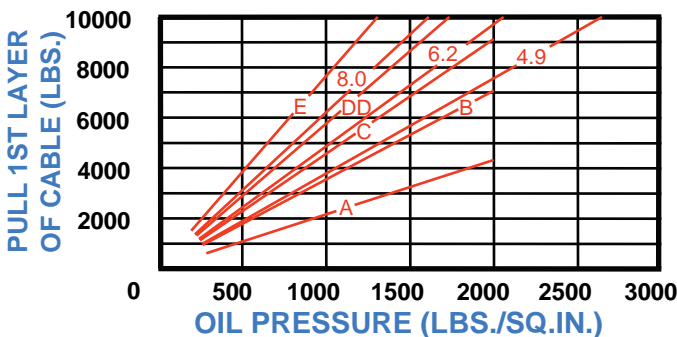
20:1 RATIO (standard)



27:1 RATIO (optional)



40:1 RATIO (optional)



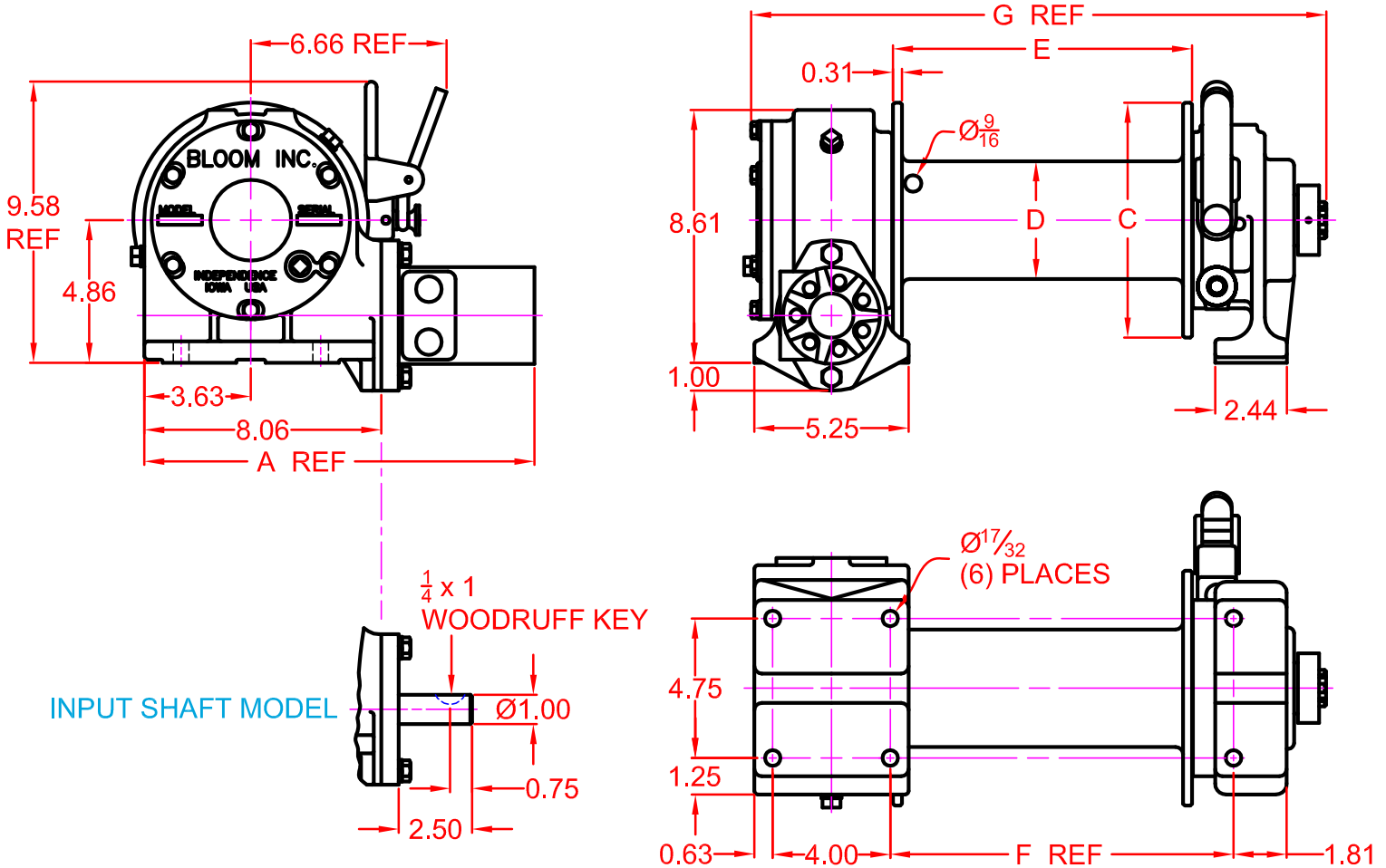


# BLOOM™ WINCH

## Dimensional Drawings

“Quality Since  
1910”

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



MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
A DIMENSION	13.28	13.43	13.55	13.68	13.90	14.03	15.32	15.50	15.75	15.75	16.02
DRUM DESIGNATION	WINCH DIMENSION										
	C	D	E	F	G						
	S8	8	4	7.19	8.69	16.62					
L8	8	4	10.19	11.69	19.62						

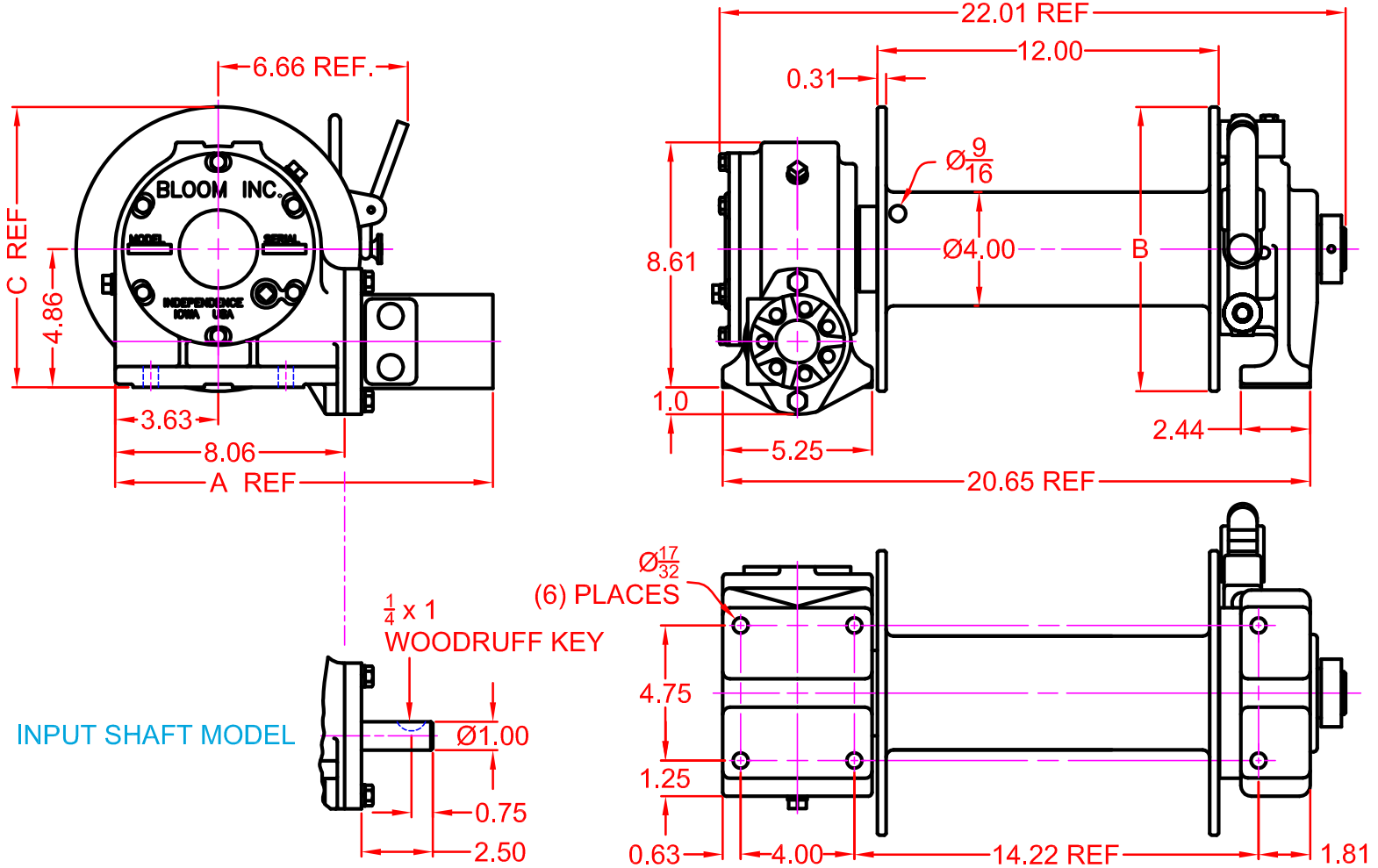


“Quality Since  
1910”

# BLOOM™ WINCH

## Dimensional Drawings

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



MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
A DIMENSION	13.28	13.43	13.55	13.68	13.90	14.03	15.32	15.50	15.75	15.75	16.02
DRUM DESIGNATION	XL10			XL12			XL14				
B DIMENSION	10			12			14				
C DIMENSION	9.86			10.86			11.86				

# BLOOM™ WINCH

## Correct choice of Directional Control Valves for Bloom Winches

**Tandem Center Spool Valve** – Work Ports are **blocked** in neutral position

Use on all winches that use motor only to hold load.

\*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

1443 220<sup>th</sup> Street,, Independence, Iowa 50644

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

[www.bloommfg.com](http://www.bloommfg.com)