

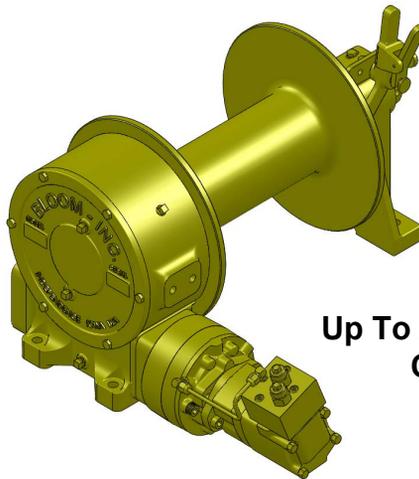
BLOOM™ WINCH



Series 1600KC

HYDRAULIC CABLE WINCHES

The rugged construction and versatility of **Series 1600KC** makes it adaptable to a wide range of applications. Series 1600KC winches are equipped with a sliding clutch to allow free-spooling of the drum for pulling and dragging applications such as trailers, mining, logging equipment and off road tractors. **Series 1600KC** is equipped with a hydraulic fail-safe brake. **Series 1600KC** may be ordered galvanized.



"Quality Since 1910"

Low Profile or Base Mount Available

Up To 20,000 POUNDS CAPACITY

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. Seal on worm allows brake to be removed without draining oil. |
| WORM GEAR | - High tensile aluminum-nickel alloy bronze cast on high strength ductile iron hub. Optimum lead and pressure angles transmit maximum power to the drum. |
| GEAR RATIO | - 25:1 standard & 12.5:1 optional ratios provide optimum efficiency in power and speed. |
| BEARINGS | - Worm gear and worm shaft run on tapered roller bearings. Outer end housing has a grease zerk for lubricating the bronze bushing. |
| 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 1600KC winches comes equipped with heat-treated dog type clutch to provide free-spooling of the winch drum. Positive lock-in and lock-out. |



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BLOOM

Manufacturing Inc.

Winch Division

"Custom Engineered Solutions"

*Lifting
Pulling
Hoisting*

Toll Free Number: 1-800-394-1139

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

BLOOM™ WINCH



Series 1600KC

Model Selection from Performance Data

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MODEL EXAMPLE: 16K-6.2M-L145-C-RH-25-LP

16K = Series 1600KC
with 2-1/4" Drum Shaft

K = Fail-Safe Brake with Separate Motor

Hydraulic Motor Designation

6.2, 8.0, 9.6, 11.9, 18.6

6.2M, 8.0M, 9.6M, 11.9M, 18.6M

Drum Designation

S145, L145

Low Profile
Mounting
(mounting angles
not included)

Gear Ratio
12.5:1, 25:1

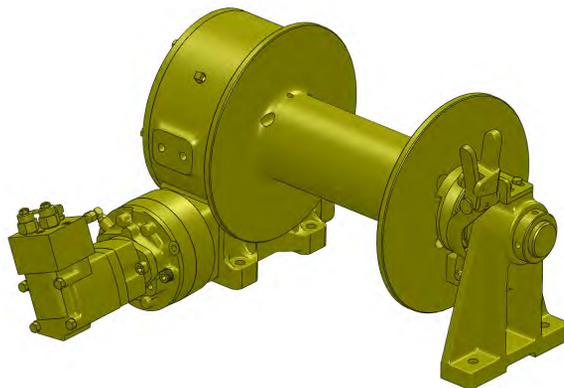
Hydraulic Motor
Position (R.H. or L.H.)

Clutch Designation
Series 1600KC

(Do not use clutch model for
lifting applications.)

DRUM CAPACITY

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S145" CAPACITY (FT.)	674	465	305	234	170	126
DRUM "L145" CAPACITY (FT.)	1214	842	662	425	318	303



BLOOM™ WINCH

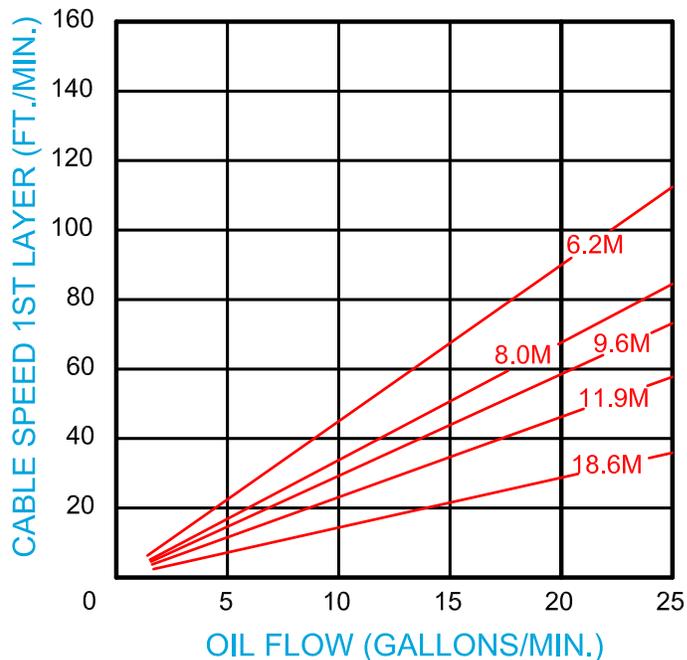
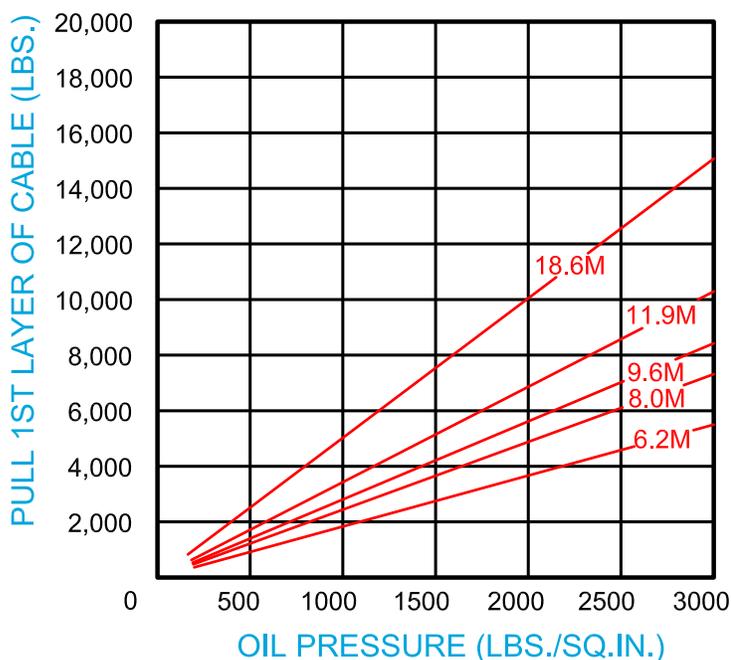


Series 1600KC

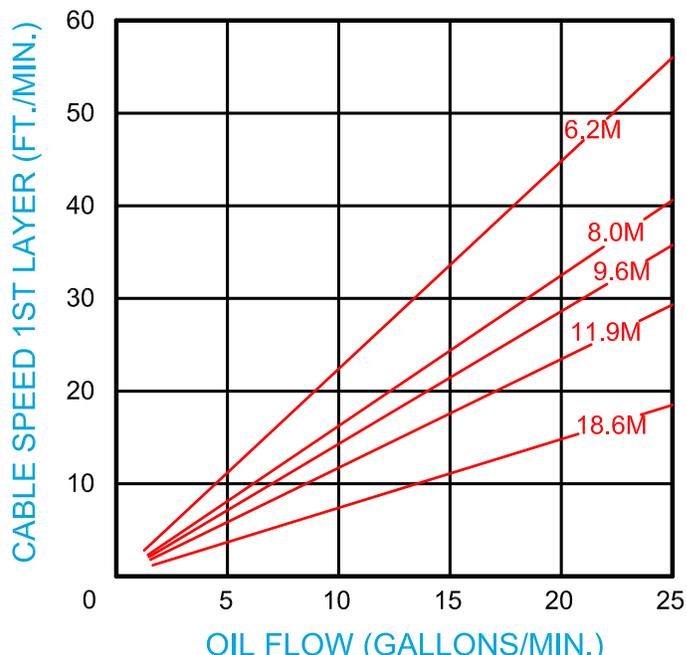
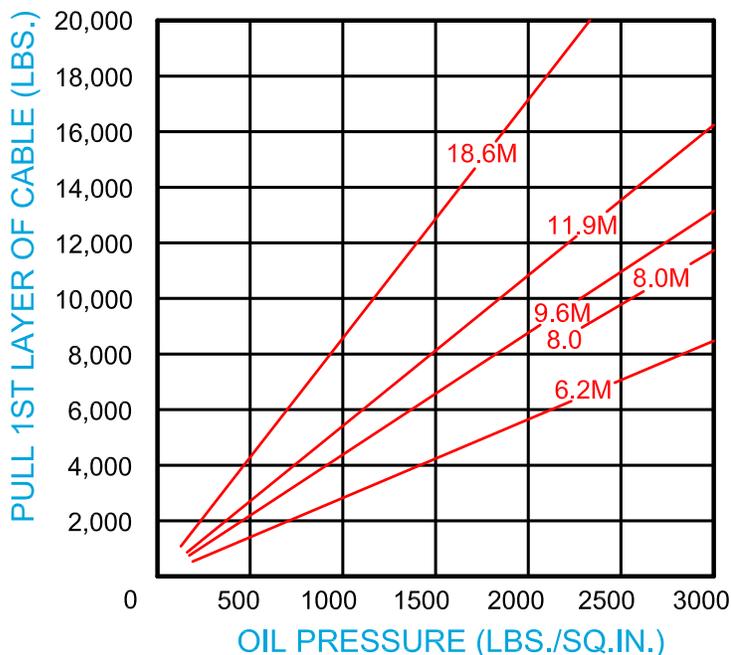
Model Selection from Performance Data

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12.5:1 RATIO (optional)



25:1 RATIO (standard)



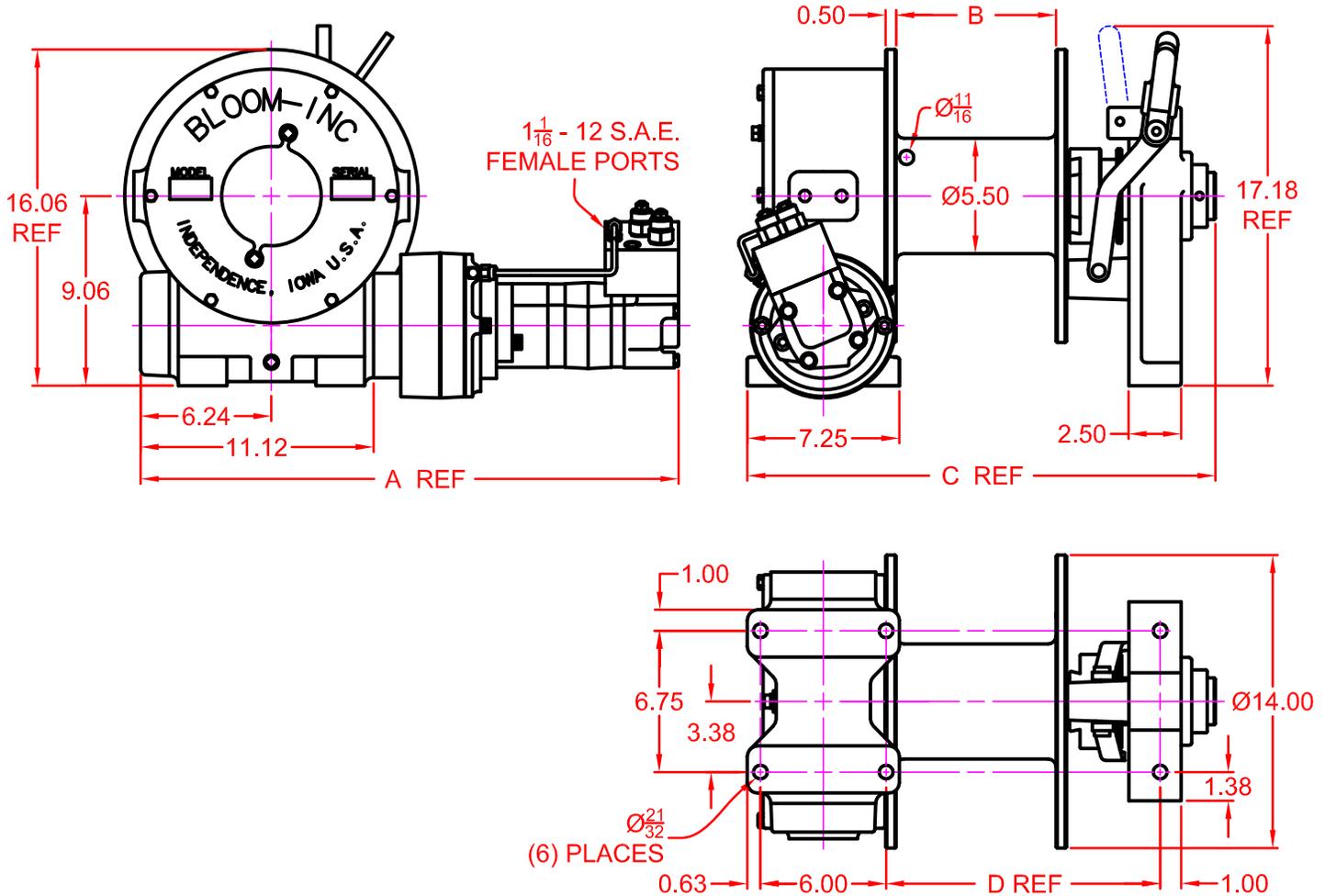


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Dimensional Drawings

Series 1600KC K JH S145 and L145 Drum
Base Mount Model - Clutch Drive



MOTOR DESIGNATION	6.2M	9.6M	11.9M	18.6M
A DIMENSION	24.42	24.67	24.94	25.74

DRUM DESIGNATION	B	C	D
S145	7.63	22.35	13.08
L145	13.63	28.35	19.08

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S145" CAPACITY (FT.)	674	465	305	234	170	126
DRUM "L145" CAPACITY (FT.)	1214	842	662	425	318	303

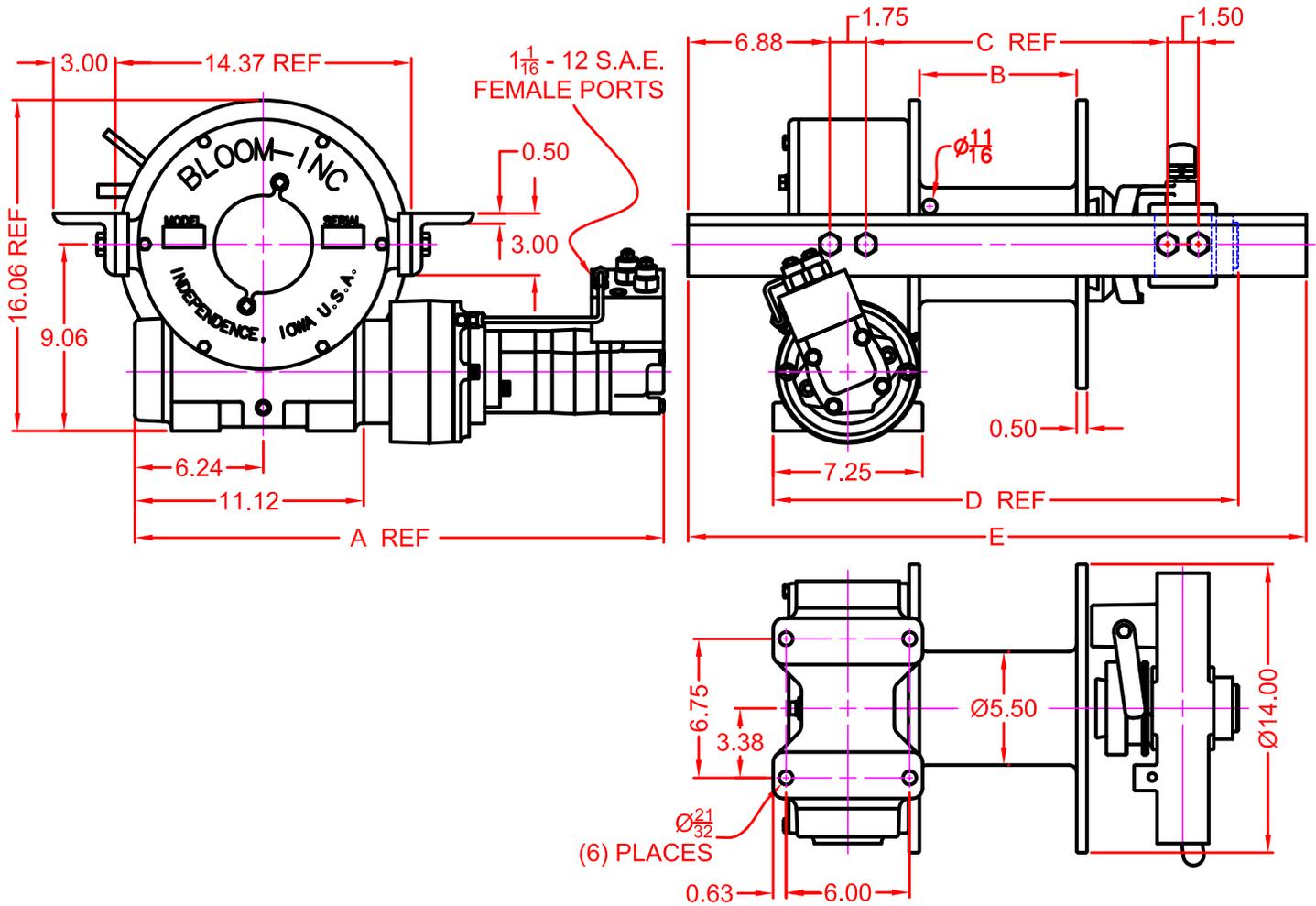


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Dimensional Drawings

Series 1600KC K JH S145 and L145 Drum
Low Profile - Clutch Drive



MOTOR DESIGNATION	6.2M	9.6M	11.9M	18.6M
A DIMENSION	24.42	24.67	24.94	25.74

DRUM DESIGNATION	B	C	D	E
S145	7.63	14.64	22.58	30
L145	13.63	20.64	28.58	36

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S145" CAPACITY (FT.)	674	465	305	234	170	126
DRUM "L145" CAPACITY (FT.)	1214	842	662	425	318	303

BLOOM™ WINCH

1600KC SERIES MODEL SELECTION

6.2M MOTOR

16K-6.2M-S145C

16K-6.2M-L145C

8.0M MOTOR

16K-8.0M-S145C

16K-8.0M-L145C

9.6M MOTOR

16K-9.6M-S145C

16K-9.6M-L145C

11.9M MOTOR

16K-11.9M-S145C

16K-11.9M-L145C

14.9M MOTOR

16K-14.9M-S145C

16K-14.9M-L145C

18.6M MOTOR

16K-18.6M-S145C

16K-18.6M-L145C

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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