

BLOOM™ WINCH

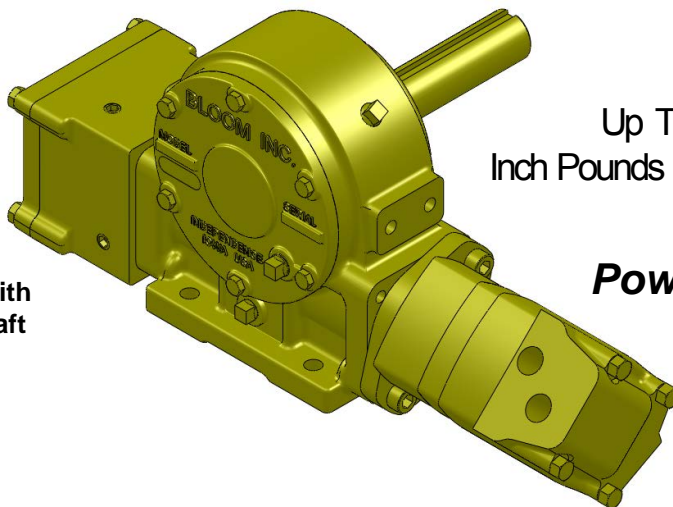


Series 1200

"Quality Since

Hydraulic Speed Reducer

The rugged construction and versatility of the **Series 1200 Speed Reducer** is ideal for stationary & mobile applications where slow speed, high torque, or variable speed and reversing are needed. Applications include paving and curb forming, ditching, irrigation and plastic and extruding equipment. Available with a oil cooled adjustable automatic safety brake.



Series 1200 shown with
right hand output shaft

Up To 24,000
Inch Pounds of Output Torque

***Powerful – Compact
Efficient***

Bloom™ Hydraulic Speed Reducers – Standard Features

- | | |
|---------------------|--|
| 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 to insure long service. The hydraulic motor couples direct to the shaft. |
| WORM GEAR | - High tensile aluminum-nickel alloy bronze . Optimum lead and pressure angles transmit maximum power to the drum. |
| GEAR RATIO | - 20:1 standard, optional 27:1 and 40:1 ratios provide optimum efficiency in power and speed. |
| BEARINGS | - Worm gear and worm shaft run on tapered roller bearings in an oil enclosed gear case |
| OUTPUT SHAFT | - 1-1/2" diameter heat -treated alloy steel minimum tensile strength 150,000 psi. |
| MOTOR MOUNT | - SAE (A) 2 bolt flange mount-standard. |
| BRAKE OPTION | - Single direction oil cooled adjustable automatic safety brake. |



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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 1200

Model Selection from Performance Data



"Quality Since
1910"

MODEL EXAMPLE: 12-B-E-SR-RH-20-LP

Gear Case and
Shaft Designation

12 = Series 1200 with 1-1/2" Output Shaft only

Oil Cooled
Automatic
Safety Brake

Hydraulic Motor Designation

A, B, C, DD, E, G, 4.9, 6.2, 8.0, 9.6, 11.9

N - No Motor

IS - Input Shaft

Speed Reducer

Optional

Low Profile Mounting

Gear Ratios

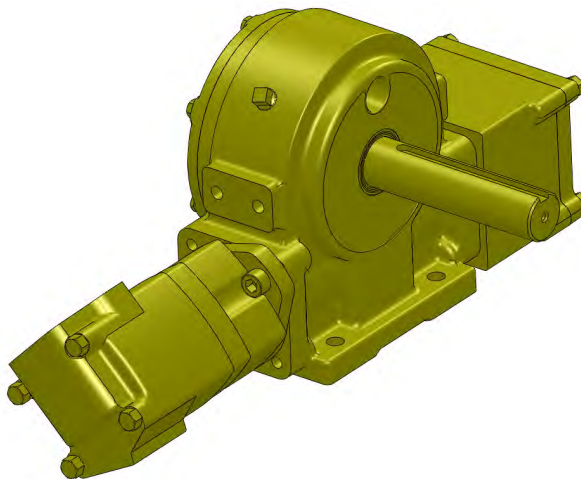
20:1, 27:1, 40:1

10:1 Not Available

Shaft Position

RH - Right Hand

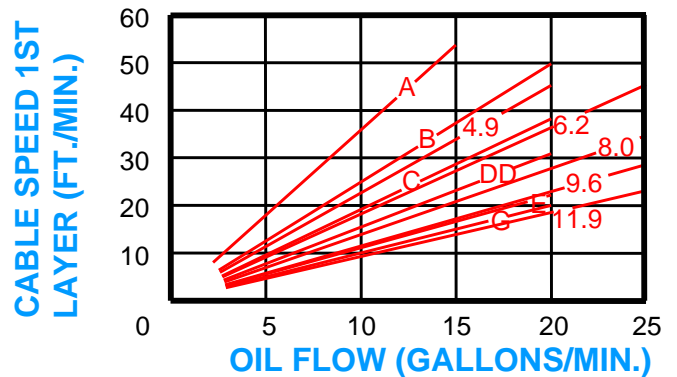
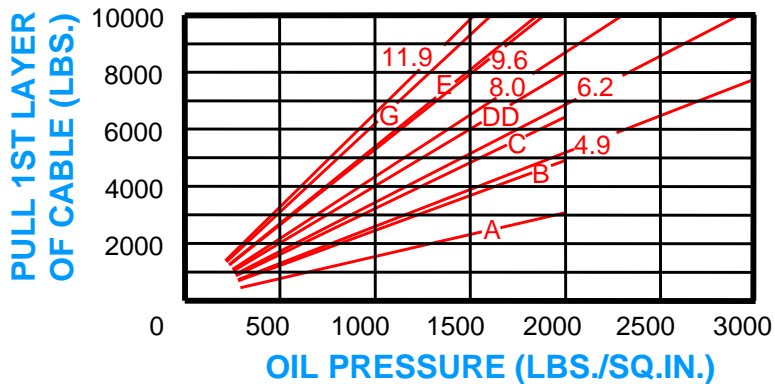
LH - Left Hand



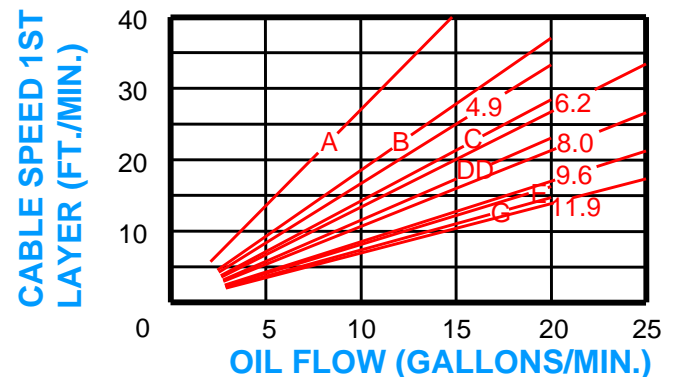
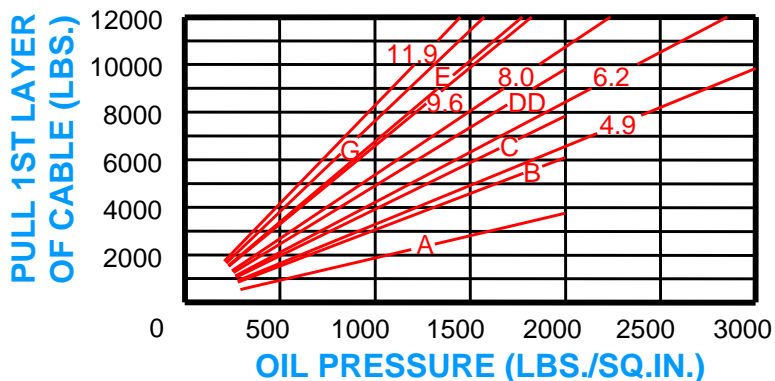
Series 1200

Bloom Hydraulic Speed Reducers With Hydraulic Safety Brake Model Selection from Performance Data

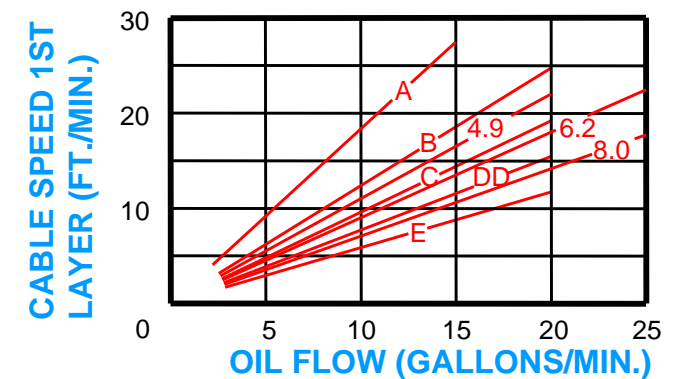
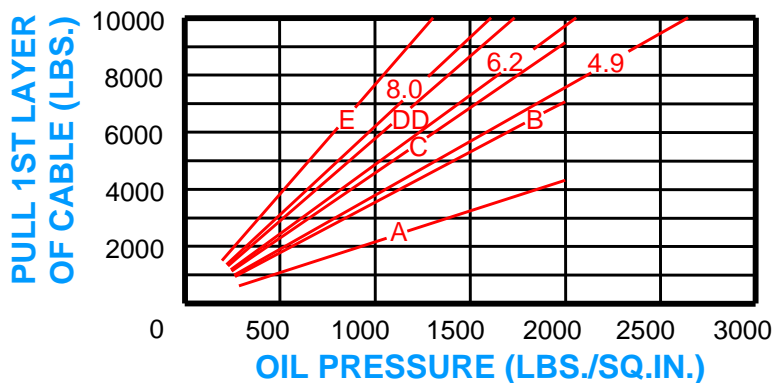
20:1 RATIO (standard)



27:1 RATIO (optional)



40:1 RATIO (optional)



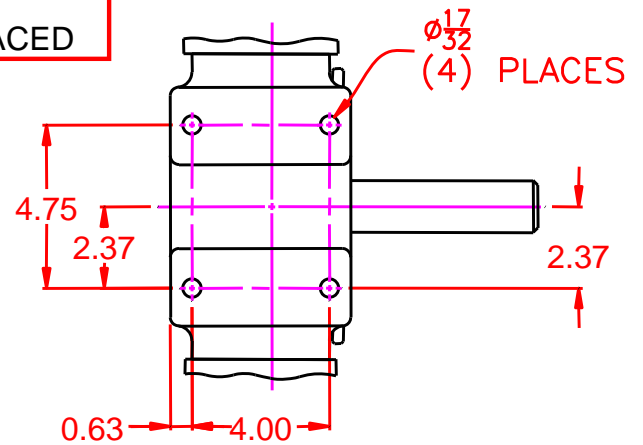
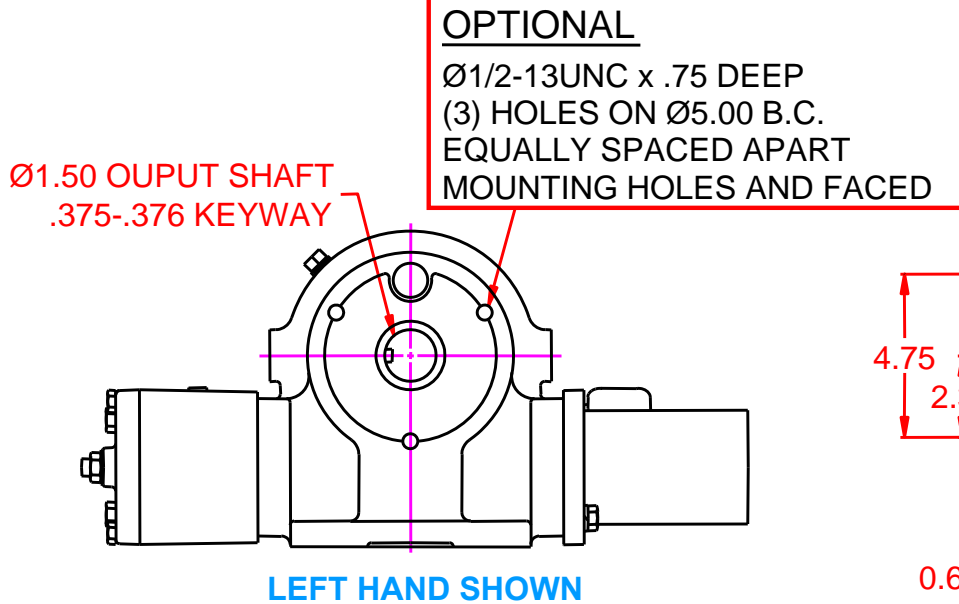
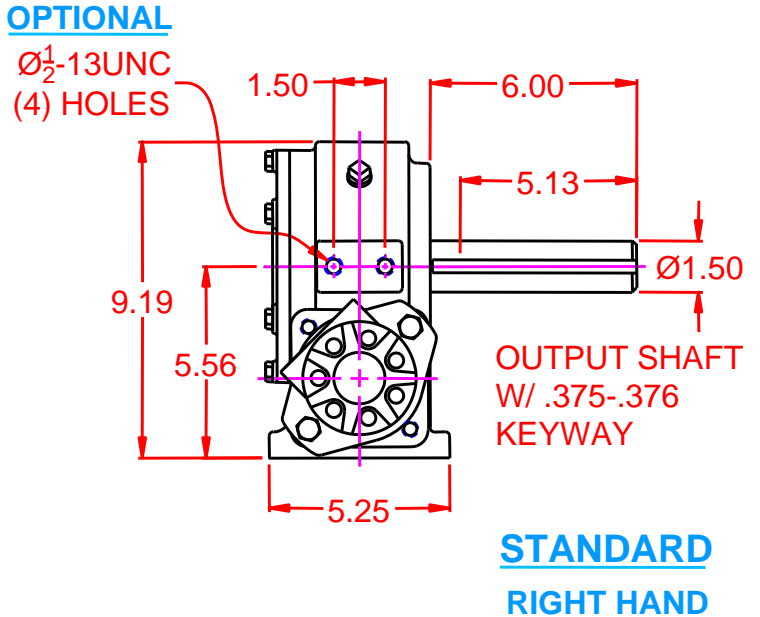
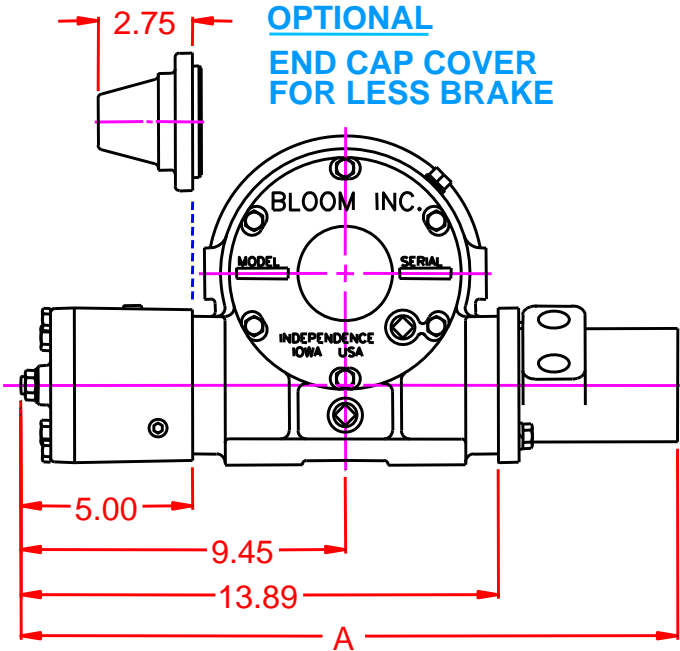
BLOOM™ WINCH



Dimensional Drawings

Series 1200 Speed Reducer

"Quality Since
1910"



MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
Ⓐ DIMENSION	19.11	19.26	19.38	19.51	19.73	19.86	21.15	21.33	21.58	21.58	21.85

BLOOM™ WINCH

1200 SERIES MODEL SELECTION

A MOTOR

12B-A-SR

B MOTOR

12B-B-SR

C MOTOR

12B-C-SR

DD MOTOR

12B-DD-SR

E MOTOR

12B-E-SR

G MOTOR

12B-G-SR

4.9 MOTOR

12B-4.9-SR

6.2 MOTOR

12B-6.2-SR

8.0 MOTOR

12B-8.0-SR

9.6 MOTOR

12B-9.6-SR

11.9 MOTOR

12B-11.9-SR

INPUT SHAFT MODEL

12B-IS-SR

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**

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www.bloommfg.com

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