

BLOOM™ WINCH

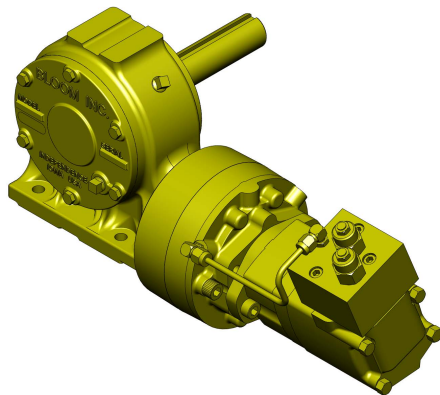


Series 1000K

Hydraulic Speed Reducer

*"Quality Since
1910"*

The rugged construction and versatility of the **Series 1000K Speed Reducer** is ideal for stationary and 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.



Up To 24,000

Inch Pounds of Output Torque

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 10:1, 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. |
| BRAKE | - Spring applied hydraulic release brake automatically holds load when hydraulic pressure is released. |



BLOOM

Manufacturing Inc.

Winch Division

*Lifting
Pulling
Hoisting*

Toll Free Number: 1-800-394-1139

www.bloommfg.com

"Custom Engineered Solutions"

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

BLOOM™ WINCH



Series 1000K

Model Selection from Performance Data

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MODEL EXAMPLE: 10K-AM-SR-RH-20

Gear Case and

Shaft Designation

10K = Series 1000K with 1-1/2" Output Shaft)

Hydraulic Motor Designation

AM, 4.9M, 6.2M, 8.0M, 9.6M, 11.9M

IS - Input Shaft

Gear Ratios

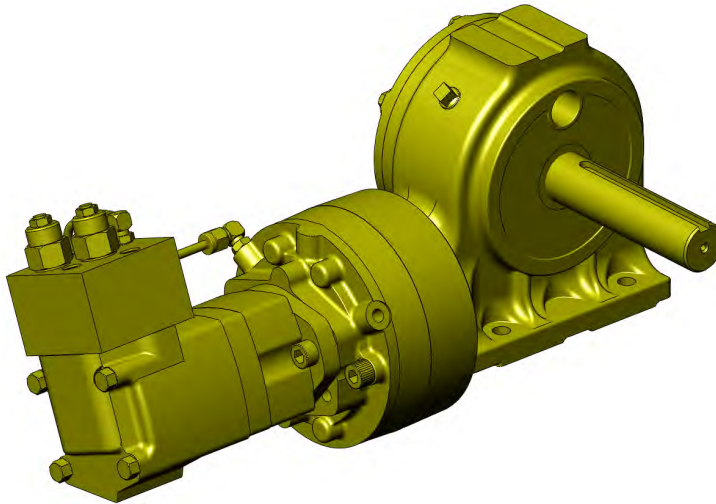
10:1, 20:1, 27:1, 40:1

Shaft Position

RH - Right Hand (Standard)

LH - Left Hand

Speed Reducer



BLOOM™ WINCH

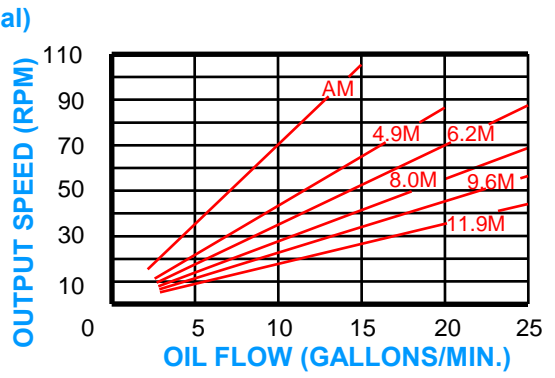
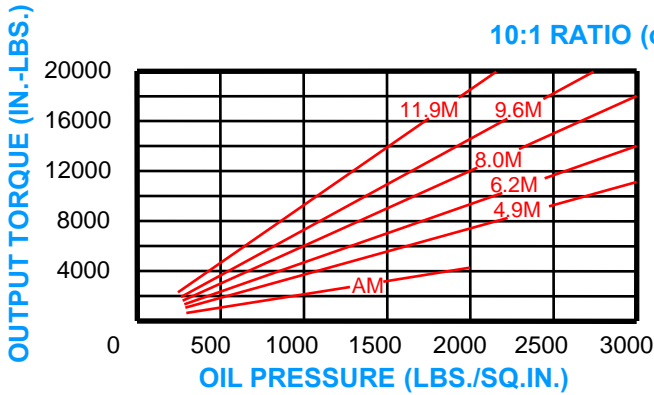


Series 1000K

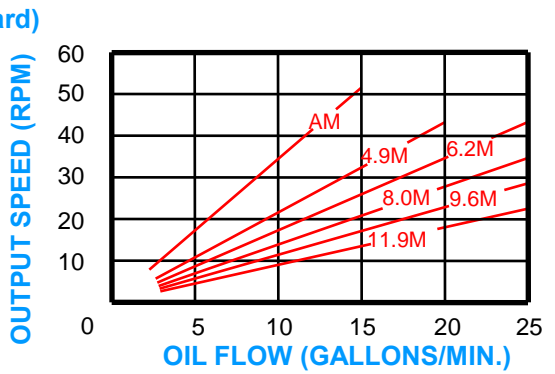
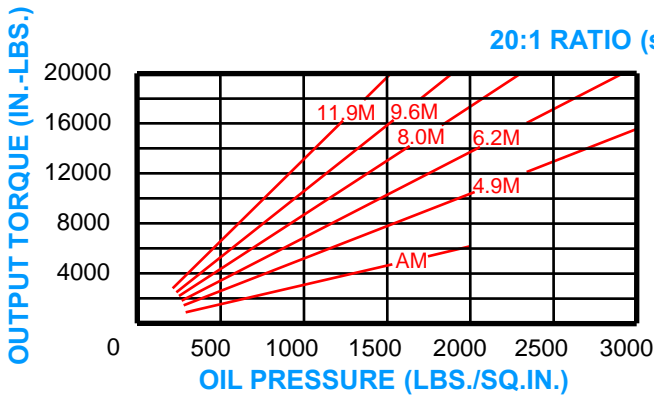
"Quality Since 1910"

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

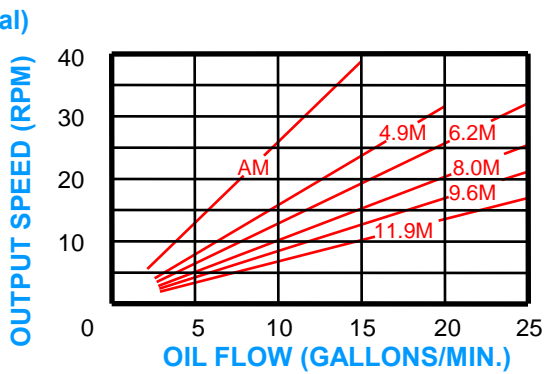
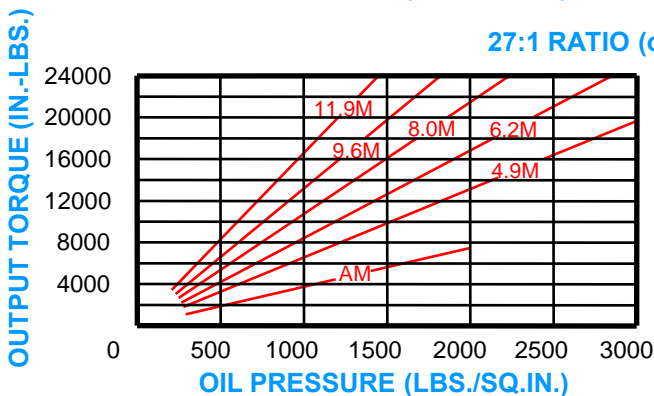
10:1 RATIO (optional)



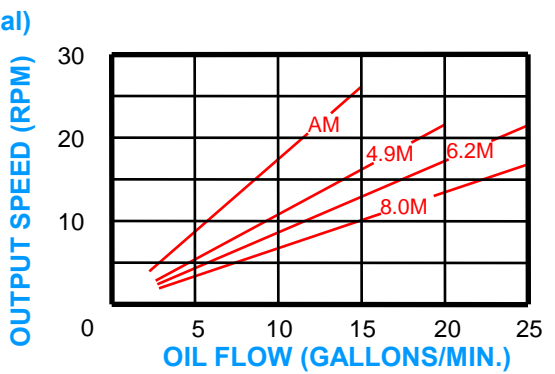
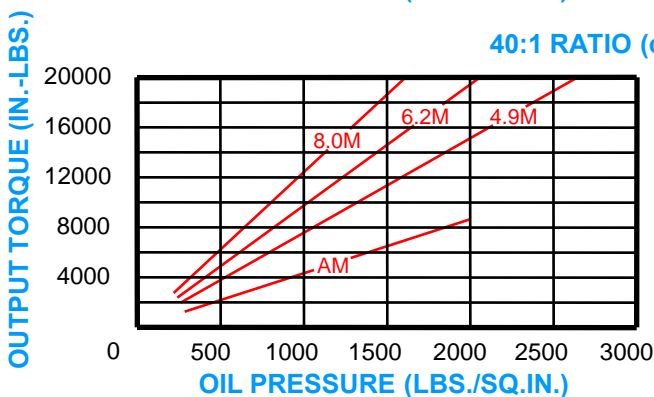
20:1 RATIO (standard)



27:1 RATIO (optional)



40:1 RATIO (optional)

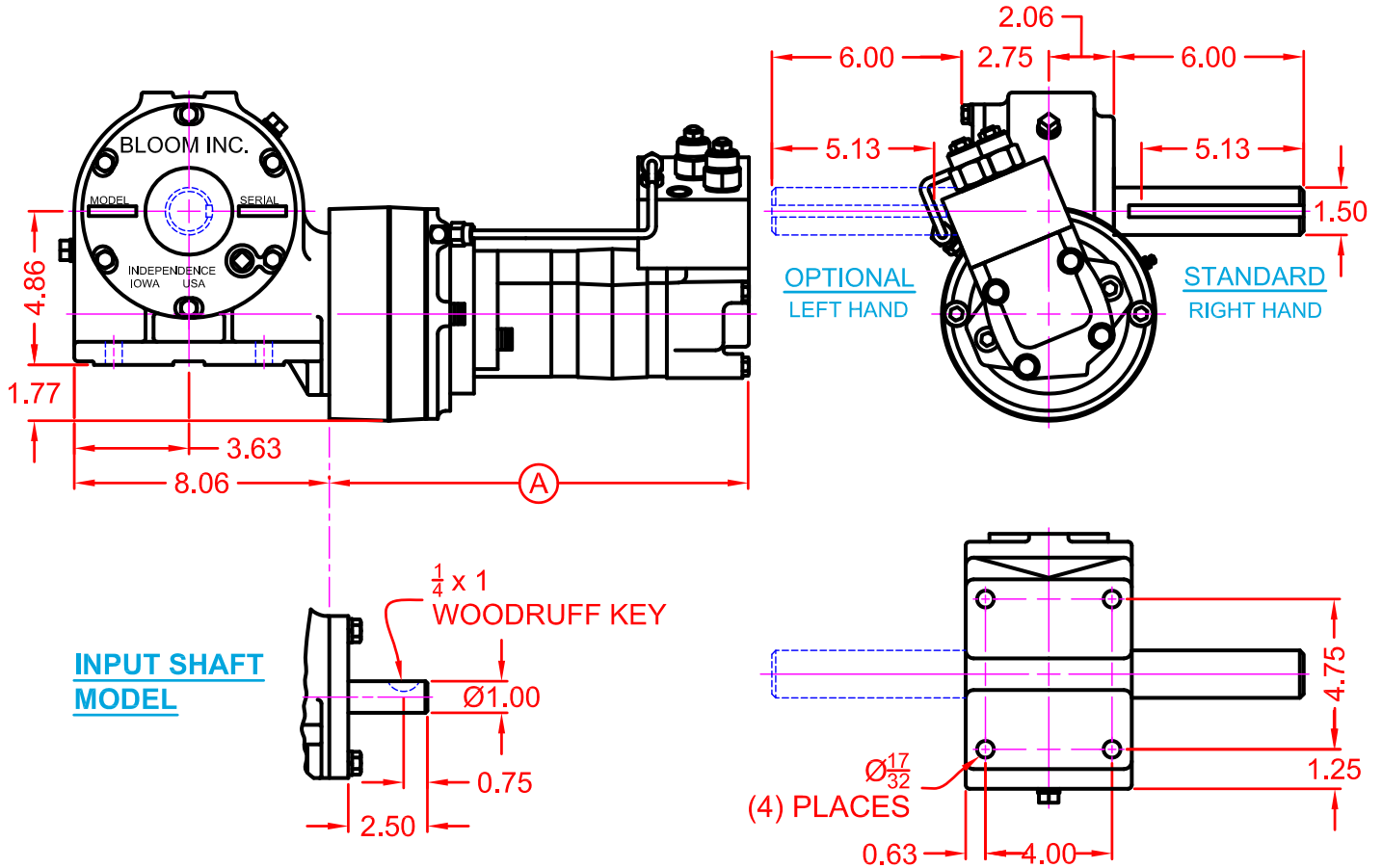




Dimensional Drawings

Series 1000K Speed Reducer

**"Quality Since
1910"**



MOTOR DESIGNATION	AM	4.9M	6.2M	8.0M	9.6M	11.9M
(A) DIMENSION	10.04	11.74	12.01	12.26	12.26	12.53

OVERHUNG LOAD ON OUTPUT SHAFT AT 100 RPM (LB.)	Ø1.50 SHAFT
1" FROM FACE OF GEARCASE	750
2" FROM FACE OF GEARCASE	600
3" FROM FACE OF GEARCASE	500

BLOOM™ WINCH

Correct choice of Directional Control Valves for Bloom Winches

Motor Spool Control Valve
open

*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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