



# END-SUCTION CENTRIFUGAL PUMPS

Series: 1000/1004-IA  
2 - 125 HP / 1750 & 3500RPM  
Suction: 1½" - 8"NPT or flange  
Discharge: 1" - 6"NPT or flange



## APPLICATIONS

- ▶ Booster systems
- ▶ Water transfer
- ▶ Chilled water system
- ▶ High flow-rate / medium pressure

## VOLUTE

Cast iron ASTM A-48 class 30.

## INTERMEDIATE COUPLING

Cast iron ASTM A-48 class 30.

## IMPELLER

- ▶ Cast iron ASTM A-48 class 30
- ▶ Dynamically balanced

## SEAL

**Design:** mechanical, type 01.

**Material:** Ceramic stationary part, carbon ring seal and exclusion in the rotating part. Buna-N elastomer and stainless steel spring.

## SHAFT SLEEVE

Stainless steel.

## O-RINGS

Buna-N.

## MOTOR

High quality premium efficiency TEFC or ODP electric motors, designed & developed in accordance with industry standards for industrial and commercial pumping applications.

- ▶ 1 & 3 phases, 60 Hz
- ▶ Rated output: 2 to 125 HP
- ▶ 1750 & 3500 RPM
- ▶ Frame sizes: 182 JM to 405 JM

## HARDWARE

Carbon steel.

## PAINT

Air dry enamel, water based.

## End Suction Centrifugal Close Coupled Pumps (provided with ODP Premium Efficiency motors)

Model	Size	HP	Phase
1000/1004-IA1	1½" x 1" x 7"	2 to 7.5	1 & 3
1000/1004-IA1½	2" x 1½" x 9"	5 to 20	1 & 3
1000/1004-IA1½H	2" x 1½" x 9"	3 to 30	3
1000/1004-IA1½XH	2" x 1½" x 9"	3 to 30	3
1000/1004-IA2	2½" x 2" x 9"	2 to 30	3
1000/1004-IA2H	2½" x 2" x 9"	25 & 30	3
1000/1004-IA2EH	3" x 2" x 9"	5 to 50	3
1000/1004-IA2EXH	3" x 2" x 10"	7.5 to 60	3
1000/1004-IA2HH	3" x 2" x 10"	30 & 40	3
1000/1004-IA2½	3" x 2½" x 9"	3 to 40	3
1000/1004-IA2½H	3" x 2½" x 9"	40 to 100	3
1000/1004-IA2½BJM	4" x 2½" x 13"	15 to 30	3
1000/1004-IA3	4" x 3" x 9"	3 to 50	3
1000/1004-IA3H	4" x 3" x 9"	30 to 75	3
1000/1004-IA3BJM	4" x 3" x 13½"	15 to 40	3
1000/1004-IA4	6" x 4" x 10"	5 to 125	3
1000/1004-IA4BJH	6" x 4" x 13"	20 to 75	3
1000/1004-IA6BJM	8" x 6" x 13"	30 to 75	3

For dimensions and weights please contact factory.

### IMPORTANT!

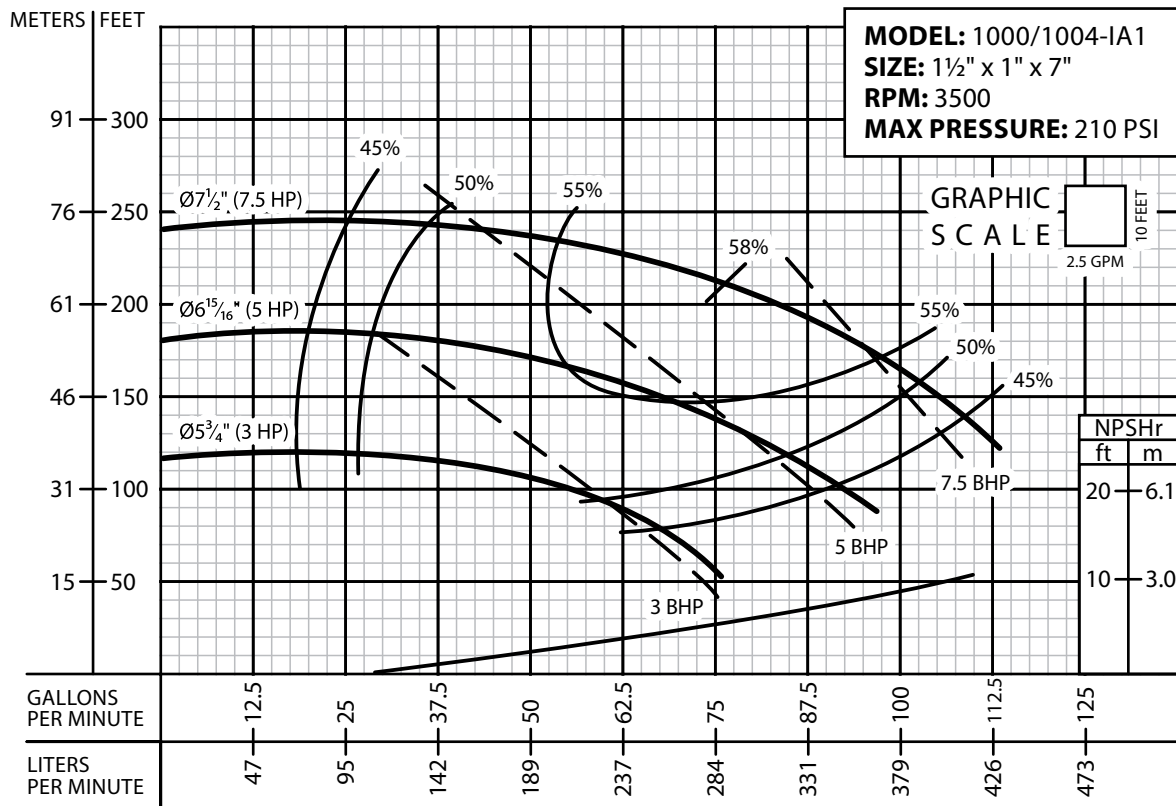
1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.



# PERFORMANCE CURVE

## End-Suction Centrifugal

### Series: 1000/1004-IA



Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.