Series A-C e-1500
IN-LINE MOUNTED CENTRIFUGAL PUMP PERFORMANCE CURVES - 60 HZ
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Centrifugal Pump Energy Efficiency Information

The U.S. Department of Energy introduced Pump Energy Conservation Standards in January of 2016. These standards apply to five styles of clean water pumps in 1800 and 3600 nominal motor speeds. Pump manufacturers must sell only compliant products after January 27, 2020. Compliant products have Pump Efficiency Indexes (PEI) equal to or below 1.0 either in Constant Load (CL) or Variable Load (VL) applications.

In support of the U.S. DOE Pump Energy Conservation Standards, the North American Pump Manufacturers Association, The Hydraulic Institute, introduced its own Energy Rating (ER) Index for clean water pumps which also requires certification of pump manufacturer’s test labs. Compliant products have Energy Rating (ER) Indexes above 1.0 either in Constant Load (CL) or Variable Load (VL) applications.

All Bell & Gossett Centrifugal Pump products already comply with U.S. Department of Energy Pump Energy Conservation Standards and Hydraulic Institute Standards for Energy Ratings. Specific PEI and ER data is shown on each pump performance curve where applicable and on the pump nameplate.

For more information, visit http://bellgossett.com/e-series-pumps/# or http://er.pumps.org/ratings/home
Series A-C e-1500 Selection Charts

A-C Series e-1500
1150 RPM

A-C Series e-1500
1750 RPM

A-C Series e-1500
3550 RPM
Series A-C e-1500

1800 RPM PUMP CURVES

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.83   ERCL: 30
Pump, Motor & Drive: PEIVL: 0.47   ERVL: 67

1.5x1.5x7C
1750 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.96   ERCL: 15
Pump, Motor & Drive: PEIVL: 0.51   ERVL: 60

2x2x7B
1750 RPM
6 " and below requires oversized diameter and angle trim. See manual.
Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.92 ERCL: 16
Pump, Motor & Drive: PEIVL: 0.46 ERVL: 63

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.80 ERCL: 36
Pump, Motor & Drive: PEIVL: 0.42 ERVL: 73
Series A-C e-1500

1800 RPM PUMP CURVES

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.87 ERCL: 27
Pump, Motor & Drive: PEIVL: 0.44 ERVL: 69

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.92 ERCL: 19
Pump, Motor & Drive: PEIVL: 0.46 ERVL: 65
**Series A-C e-1500**

**1800 RPM PUMP CURVES**

**Energy Efficiency Ratings:**

- **Pump & Motor:** PEICL: 0.97, ERCL: 12
- **Pump, Motor & Drive:** PEIVL: 0.48, ERVL: 61

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**Series A-C e-1500**

**5x5x9.5B**

**1770 RPM**

**Energy Efficiency Ratings:**

- **Pump & Motor:** PEICL: 0.99, ERCL: 10
- **Pump, Motor & Drive:** PEIVL: 0.48, ERVL: 61

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**Series A-C e-1500**

**6x6x9.5B**

**1770 RPM**

**Energy Efficiency Ratings:**

- **Pump & Motor:** PEICL: 0.99, ERCL: 10
- **Pump, Motor & Drive:** PEIVL: 0.48, ERVL: 61
Series A-C e-1500

1800 RPM PUMP CURVES

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.95   ERCL: 14
Pump, Motor & Drive: PEIVL: 0.46   ERVL: 63

8x8x9.5B
1770 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.95   ERCL: 16
Pump, Motor & Drive: PEIVL: 0.48   ERVL: 64

3x3x11B
1750 RPM
Series A-C e-1500

1800 RPM PUMP CURVES

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.96  ERCL: 14
Pump, Motor & Drive: PEIVL: 0.47  ERVL: 62

Series A-C e-1500

1750 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.97  ERCL: 12
Pump, Motor & Drive: PEIVL: 0.48  ERVL: 61

Series A-C e-1500

4x4x11B

1750 RPM

Series A-C e-1500

6x6x11B

1750 RPM
Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.97, ERCL: 12
Pump, Motor & Drive: PEIVL: 0.47, ERVL: 61

8x8x11B
1750 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.97, ERCL: 14
Pump, Motor & Drive: PEIVL: 0.48, ERVL: 63

4x4x13.5
1750 RPM
Series A-C e-1500 1800 RPM PUMP CURVES

Energy Efficiency Ratings:
Pump & Motor: PEI: 0.96  ER: 14
Pump, Motor & Drive: PEIV: 0.47  ERIV: 62

Series A-C e-1500

5x5x13.5 1750 RPM

Date: 10/31/2015
Series A-C e-1500

Energy Efficiency Ratings:
Not applicable: maximum Hp below 1 Hp and 1200 RPM - out of DOE regulation scope.

1.5x1.5x7C
1150 RPM

Date: 7/31/2015

2x2x7B
1150 RPM

Date: 7/31/2015
Energy Efficiency Ratings:
Not applicable: maximum Hp below 1 Hp and 1200 RPM - out of DOE regulation scope.

Series A-C e-1500

2.5x2.5x7B
1150 RPM

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Series A-C e-1500

3x3x7C
1150 RPM
Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

"6" and below requires oversized diameter and angle trim. See manual.
Series A-C e-1500

1200 RPM PUMP CURVES

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Date: 7/31/2015

Date: 7/31/2015
Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.
Series A-C e-1500

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

3x3x9.5C
1150 RPM

4x4x9.5B
1170 RPM
Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.
Series A-C e-1500

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

1200 RPM PUMP CURVES

Series A-C e-1500

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Series A-C e-1500

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.
Series A-C e-1500

1200 RPM PUMP CURVES

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Series A-C e-1500

Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.
Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.

Date: 7/31/2015
Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.
Series A-C e-1500

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.82  ERCL: 33
Pump, Motor & Drive: PEIVL: 0.42  ERVL: 73

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.87  ERCL: 25
Pump, Motor & Drive: PEIVL: 0.44  ERVL: 68

3600 RPM PUMP CURVES

1.5x1.5x7C
3550 RPM

2x2x7B
3550 RPM
Energy Efficiency Ratings:
Pump & Motor: PEI_{CL} = 0.89, ER_{CL} = 23
Pump, Motor & Drive: PEI_{VL} = 0.45, ER_{VL} = 67

Energy Efficiency Ratings:
Pump & Motor: PEI_{CL} = 0.90, ER_{CL} = 20
Pump, Motor & Drive: PEI_{VL} = 0.45, ER_{VL} = 65
Series A-C e-1500

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.96, ERCL: 15
Pump, Motor & Drive: PEIVL: 0.48, ERVL: 62

4x4x7B
3550 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.95, ERCL: 15
Pump, Motor & Drive: PEIVL: 0.48, ERVL: 62

5x5x7B
3550 RPM

"6" and below requires oversized diameter and angle trim. See manual.
Series A-C e-1500

3600 RPM PUMP CURVES

Energy Efficiency Ratings:
- Pump & Motor: PEICL: 0.98  ERCL: 12
- Pump, Motor & Drive: PEIVL: 0.51  ERVL: 59

6x6x7B
3550 RPM

Energy Efficiency Ratings:
- Pump & Motor: PEICL: 0.74  ERCL: 44
- Pump, Motor & Drive: PEIVL: 0.40  ERVL: 78

1.5x1.5x9.5B
3525 RPM
Series A-C e-1500

3600 RPM PUMP CURVES

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.96   ERCL: 19
Pump, Motor & Drive: PEIVCL: 0.51   ERVL: 64

2x2x9.5C
3525 RPM

Series A-C e-1500

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.94   ERCL: 19
Pump, Motor & Drive: PEIVCL: 0.50   ERVL: 62

2.5x2.5x9.5C
3550 RPM

Date: 7/31/2015
Energy Efficiency Ratings:

Pump & Motor: PEI: 0.99 ER: 13
Pump, Motor & Drive: PEI: 0.50 ER: 61

Energy Efficiency Ratings:

Pump & Motor: PEI: 0.98 ER: 14
Pump, Motor & Drive: PEI: 0.50 ER: 62
Xylem |ˈzɪləm|

1) The tissue in plants that brings water upward from the roots; 
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating advanced technology solutions to the world’s water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xyleminc.com