Series e-1531
CLOSED COUPLED CENTRIFUGAL PUMP PERFORMANCE CURVES - 60 HZ
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 Energy 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) Metric for clean water pumps which also requires certification of pump manufacturer’s test laboratories. Compliant products have Energy Ratings (ER) 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 e-1531 1800 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.85 ERCL: 15
Pump, Motor & Drive: PEIVL: 0.47 ERVL: 53

Bell & Gossett
1.25AD 1750 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.89 ERCL: 11
Pump, Motor & Drive: PEIVL: 0.48 ERVL: 52

Date: 9/28/2012

Bell & Gossett
1.5AD 1750 RPM

Date: 9/28/2012
Series e-1531 1800 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.91 ERCL: 9
Pump, Motor & Drive: PEIVL: 0.48 ERVL: 52

Bell & Gossett 2AD 1750 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.92 ERCL: 8
Pump, Motor & Drive: PEIVL: 0.50 ERVL: 50

Bell & Gossett 2.5AC 1750 RPM
Series e-1531  1800 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.90  ERCL: 10
Pump, Motor & Drive: PEIVL: 0.47  ERVL: 53

Bell & Gossett
3AD
1750 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.93  ERCL: 7
Pump, Motor & Drive: PEIVL: 0.46  ERVL: 54

Bell & Gossett
4AD
1770 RPM
Series e-1531

1800 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEI, 0.93 ER, 7
Pump, Motor & Drive: PEIV, 0.46 ERVL, 54

Bell & Gossett

5A
1750 RPM
Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.82  ERCL: 18
Pump, Motor & Drive: PEIVL: 0.43  ERVL: 57

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.83  ERCL: 17
Pump, Motor & Drive: PEIVL: 0.42  ERVL: 58
Series e-1531
1800 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.86 ERCL: 14
Pump, Motor & Drive: PEIVL: 0.43 ERVL: 57

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.90 ERCL: 10
Pump, Motor & Drive: PEIVL: 0.45 ERVL: 55
Series e-1531  1200 RPM SYNCHRONOUS SPEED

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

Series e-1531

Bell & Gossett

1.25AD
1150 RPM

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

Series e-1531

Bell & Gossett

1.5AD
1150 RPM

Energy Efficiency Ratings:
Not applicable: maximum Hp below 1 Hp and 1200 RPM - out of DOE regulation scope.
Series e-1531

1200 RPM SYNCHRONOUS SPEED

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

Bell & Gossett

2AD
1150 RPM

2.5AC
1150 RPM
Series e-1531

1200 RPM SYNCHRONOUS SPEED

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

Bell & Gossett

3AD
1150 RPM

Date: 03/30/2012

Bell & Gossett

4AD
1150 RPM

Date: 03/30/2012
Series e-1531
1200 RPM SYNCHRONOUS SPEED

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

Bell & Gossett
5A
1150 RPM

Date: 6/30/2013
Energy Efficiency Ratings:
Not applicable: 1200 RPM - out of DOE regulation scope.
Series e-1531

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

1200 RPM SYNCHRONOUS SPEED
**Series e-1531**  
**1200 RPM SYNCHRONOUS SPEED**

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

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**Series e-1531**

**Bell & Gossett**

**3BD**  
**1170 RPM**

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

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**Series e-1531**

**Bell & Gossett**

**4BD**  
**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 e-1531

3600 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.92   ERCL: 8
Pump, Motor & Drive: PEIVL: 0.47   ERVL: 53

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.91   ERCL: 9
Pump, Motor & Drive: PEIVL: 0.46   ERVL: 54
Series e-1531
3600 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.91   ERCL: 9
Pump, Motor & Drive: PEIVL: 0.46   ERVL: 54

Bell & Gossett
3AD
3550 RPM

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.97   ERCL: 3
Pump, Motor & Drive: PEIVL: 0.52   ERVL: 48

Bell & Gossett
4AD
3550 RPM
Series e-1531 3600 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
- Pump & Motor: PEI: 1.0  ER: 1
- Pump, Motor & Drive: PEI: 0.50  ER: 0.50
**Energy Efficiency Ratings:**

Pump & Motor: $P_{EICL}: 0.81$ $E_{RCL}: 19$

Pump, Motor & Drive: $P_{EIVL}: 0.41$ $E_{RVL}: 59$

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**Energy Efficiency Ratings:**

Pump & Motor: $P_{EICL}: 0.83$ $E_{RCL}: 17$

Pump, Motor & Drive: $P_{EIVL}: 0.42$ $E_{RVL}: 58$
Series e-1531

3600 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.93  ERCL: 7
Pump, Motor & Drive: PEIVL: 0.47  ERVL: 53

Bell & Gossett

2BD
3550 RPM

Series e-1531

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.95  ERCL: 5
Pump, Motor & Drive: PEIVL: 0.48  ERVL: 52

Bell & Gossett

2.5BB
3550 RPM
Series e-1531  3600 RPM SYNCHRONOUS SPEED

Energy Efficiency Ratings:
Pump & Motor: PEICL: 0.94   ERCL: 6
Pump, Motor & Drive: PEIVL: 0.47   ERVL: 53

Bell & Gossett
3BD
3550 RPM
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

We value your feedback. Please take our 3 question survey at bellgossett.com/survey to let us know how we are doing.