Lineshaft and Submersible Turbine Pump Curves

900 RPM CURVES – 60 CYCLE PERFORMANCE
<table>
<thead>
<tr>
<th>Model</th>
<th>RPM</th>
<th>Curve Number</th>
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MODEL 20EHC (Effective June 1, 2006)

Curve No. E6820ECPC3
Model 20EHC
RPM 880

EFFICIENCY CORRECTION
1-STAGE
2-STAGE
3-STAGE
4-STAGE

Impeller ENCLOSED
Ns = 3544
K = 30.3 LBS/FT
K(Bal.) = N/A
Bowl O.D. 19.54"
Bowl Lateral 0.86"
Max. PSI 380
Min. Qnsm 30"

TURBINE OPERATIONS
Lubbock, Texas

Turbin performance curve based on pumping clear, non-aerated water. Rated point only is guaranteed. Curves represent single stage performance based on test of multi-stage bowl assembly. Efficiency correction is required for lesser stages.

MODEL 20GLC (Effective June 1, 2006)

Curve No. E6820GCP0
Model 20GLC
RPM 880

EFFICIENCY CORRECTION
1-STAGE
2-STAGE
3-STAGE
4-STAGE

Impeller ENCLOSED
Ns = 4807
K = 45.0 LBS/FT
K(Bal.) = N/A
Bowl O.D. 20.75"
Bowl Lateral 1.41"
Max. PSI 390
Min. Qnsm 30"

TURBINE OPERATIONS
Lubbock, Texas

Turbin performance curve based on pumping clear, non-aerated water. Rated point only is guaranteed. Curves represent single stage performance based on test of multi-stage bowl assembly. Efficiency correction is required for lesser stages.
**MODEL 20GHXC** *(Effective June 1, 2006)*

- **Curve No.:** E6820GGPF0
- **Model:** 20GHXC
- **RPM:** 880
- **Eficiency Correction:**
  - 1-STAGE
  - 2-STAGE
  - 3-STAGE
  - 4-STAGE
- **Impeller:** ENCLOSED
- **Np:** 4255
- **K:** 52.0 LBS/FT
- **K (Bal.):** N/A
- **Bowl O.D.:** 20.75"  
- **Bowl Lateral:** 1.47"  
- **Max. PSI:** 300  
- **Min. Subm:** 41"  

**TURBINE OPERATIONS**  
Lubbock, Texas

- **Bowl Performance Curve:** Based on Pumping Clear, Non-Aerated Water. Rated Point Only is Guaranteed Curves Represent Single Stage Performance Based on Test of Multi-Stage Bowl Assembly. Efficiency Correction is Required for Lesser Stages.

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**MODEL 24CLC** *(Effective June 1, 2006)*

- **Curve No.:** E6824CFPC1
- **Model:** 24CLC
- **RPM:** 880
- **Eficiency Correction:**
  - 1-STAGE
  - 2-STAGE
  - 3-STAGE
  - Bal. Imps
- **Impeller:** ENCLOSED
- **Np:** 2258
- **K:** 43.2 LBS/FT
- **K (Bal.):** 10.8 LBS/FT
- **Bowl O.D.:** 25"  
- **Bowl Lateral:** 0.87"  
- **Max. PSI:** 248  
- **Min. Subm:** 39"  

**TURBINE OPERATIONS**  
Lubbock, Texas

- **Bowl Performance Curve:** Based on Pumping Clear, Non-Aerated Water. Rated Point Only is Guaranteed Curves Represent Single Stage Performance Based on Test of Multi-Stage Bowl Assembly. Efficiency Correction is Required for Lesser Stages.
**TURBINE OPERATIONS**
Lubbock, Texas

**MODEL 24CHC** *(Effective June 1, 2006)*

- **Goulds Water Technology**
- **Model 24CHC**
- **Curve No.**: E6824CCPC1
- **RPM**: 880
- **Efficiency Correction**
  - 1-stage: -1.5
  - 2-stage: -2.0
- **Impeller**: ENCLOSED
- **Np**: 2232
- **K**: 37.8 LBS/FT
  - (Bal.): 9.5 LBS/FT
- **Sail O.D.**: 25"
- **Sail Lamin**: 0.87"
- **Max. Psi**: 246
- **Min. Subm**: 41"

**MODEL 24ELC** *(Effective June 1, 2006)*

- **Goulds Water Technology**
- **Model 24ELC**
- **Curve No.**: E6824EDPC2
- **RPM**: 880
- **Efficiency Correction**
  - 1-stage: -1.5
  - 2-stage: -2.0
- **Impeller**: ENCLOSED
- **Np**: 3538
- **K**: 42.0 LBS/FT
  - (Bal.): 10.5 LBS/FT
- **Sail O.D.**: 25"
- **Sail Lamin**: 0.87"
- **Max. Psi**: 344
- **Min. Subm**: 37"

**NOTE**: Performance curves are based on pumping clear, non-aerated water. Rated point only is guaranteed. Curves represent single stage performance based on test of multi-stage bowl assembly. Efficiency correction is required for lesser stages.
TURBINE OPERATIONS
Lubbock, Texas:

1. BOWL PERFORMANCE CURVE BASED ON PUMPING CLEAR, NON-SEDIMENTS WATER.
2. GUARANTEED CURVES REPRESENT SINGLE STAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION IS REQUIRED FOR LESSER STAGES.

MODEL 24EHC (Effective June 1, 2006)

USE FOR ADDITIONAL STAGE ONLY

80
70
60
50
40
30
20
10
0
0 1000 2000 3000 4000 5000 6000 7000 8000 Capacity (GPM)

80
70
60
50
40
30
20
10
0
0 1000 2000 3000 4000 5000 6000 7000 8000 Capacity (GPM)
MODEL 24DX (Effective June 1, 2006)

Curve No. E6824DMPC0
Model 24DX
RPM 880

Efficiency Correction
1-Stage
2-Stage
3-Stage

Bal. Imps. -1.0

Impeller ENCLOS\d

Ns = 2912

K = 59.2 LBS/FT

K(Bal) = 14.8 LBS/FT

Bowl O.D. 24.25``

Max. PSI 258

Min. Subm. 45``

TURBINE OPERATIONS
Lubbock, Texas

Bowl Performance Curve based on pumping clear, non-aerated water. Rated point only is guaranteed. Curves represent single stage performance based on test of multi-stage bowl assembly. Efficiency correction is required for lesser stages.

MODEL 24GLC (Effective June 1, 2006)

Curve No. E6824GCPC0
Model 24GLC
RPM 880

Efficiency Correction
1-Stage
2-Stage
3-Stage

Bal. Imps.

Impeller ENCLOS\d

Ns = 4654

K = 59.5 LBS/FT

K(Bal) = N/A

Bowl O.D. 24.25``

Bowl Lateral 1.5``

Max. PSI 300

Min. Subm. 46``

TURBINE OPERATIONS
Lubbock, Texas

Bowl Performance Curve based on pumping clear, non-aerated water. Rated point only is guaranteed. Curves represent single stage performance based on test of multi-stage bowl assembly. Efficiency correction is required for lesser stages.
### MODEL 24GHXC (Effective June 1, 2006)

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<td>1-STAGE</td>
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<td>3-STAGE</td>
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<td>Ball. Imp.</td>
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<td>Impeller</td>
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<td>Bowl O.D.</td>
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<td>Bowl (latex)</td>
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<tr>
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<tr>
<td>Min. Subm.</td>
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**TURBINE OPERATIONS**

Lubbock, Texas

BOWL PERFORMANCE CURVE BASED ON PUMPING CLEAR, NON-AERATED WATER. RATED POINT ONLY IS GUARANTEED CURVES REPRESENT SINGLE STAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION IS REQUIRED FOR LESSER STAGES.

### MODEL 24FHC (Effective June 1, 2006)

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<td>2-STAGE</td>
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<td>Ball. Imps.</td>
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<td>Impeller</td>
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**TURBINE OPERATIONS**

Lubbock, Texas

BOWL PERFORMANCE CURVE BASED ON PUMPING CLEAR, NON-AERATED WATER. RATED POINT ONLY IS GUARANTEED CURVES REPRESENT SINGLE STAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION IS REQUIRED FOR LESSER STAGES.
MODEL 26GHXC (Effective June 1, 2006)

Curve No. E6826GGPC1
Model 26GHXC
RPM 880
EFFICIENCY CORRECTION
1-STAGE -3.0
2-STAGE -1.0
3-STAGE -2.0
Bal. Imps. N/A

Impeller ENCLOSED
Ns = 4130
K = 80.9 LBS/FT
K (Bal.) = N/A

Bowl O.D. 24.5"
Bowl Lateral 1.62"
Max. PSI 200
Min. Subm. 58"

TURBINE OPERATIONS
Lubbock, Texas

MODEL 28BLC (Effective June 1, 2006)

Curve No. E6828BBPC0
Model 28BLC
RPM 880
EFFICIENCY CORRECTION
1-STAGE -3.0
2-STAGE -1.0
3-STAGE -2.0
Bal. Imps. N/A

Impeller ENCLOSED
Ns = 2849
K = 65.5 LBS/FT
K (Bal.) = 17.1 LBS/FT

Bowl O.D. 25.00"
Bowl Lateral 0.87"
Max. PSI 285
Min. Subm. 43"

TURBINE OPERATIONS
Lubbock, Texas

TURBINE OPERATIONS
Lubbock, Texas

BOWL PERFORMANCE CURVE
BASED ON PUMPING CLEAR,
NON-EROSIVE WATER.
RATED POINT ONLY IS
GUARANTEED. CURVES
REPRESENT SINGLE STAGE
PERFORMANCE BASED ON
TEST OF MULTI-STAGE BOWL
ASSEMBLY. EFFICIENCY
CORRECTION IS REQUIRED
FOR LESSER STAGES.
Turbine

Model 28BHC (Effective June 1, 2006)

Reserved for 28GHC

Model 28GHC (Effective June 1, 2006)
MODEL 28GHC (Effective June 1, 2006)

Reserved for 28GHC
**MODEL 30BLC (Effective November, 2008)**

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<th>Horsepower per stage</th>
<th>Total Head per Stage (ft.)</th>
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**Curve No. E6830BGPC3**
Model 30BLC
RPM 880

**TURBINE OPERATIONS**
Lubbock, Texas

**BOWL PERFORMANCE CURVE**
BASED ON PUMPING CLEAR, NON-AERATED WATER
RATED POINT ONLY IS GUARANTEED.
CURVES REPRESENT SINGLE STAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY EFFICIENCY CORRECTION IS REQUIRED FOR LESSER STAGES.

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**MODEL 30BLC (Effective November, 2008)**

<table>
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<th>Capacity (GPM)</th>
<th>Horsepower per stage</th>
<th>Total Head per Stage (ft.)</th>
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<td>14000</td>
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</table>

**Curve No. E6830BFPC3**
Model 30BLC
RPM 880

**TURBINE OPERATIONS**
Lubbock, Texas

**BOWL PERFORMANCE CURVE**
BASED ON PUMPING CLEAR, NON-AERATED WATER
RATED POINT ONLY IS GUARANTEED.
CURVES REPRESENT SINGLE STAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY EFFICIENCY CORRECTION IS REQUIRED FOR LESSER STAGES.
MODEL 30BHC (Effective November, 2008)

- **Turbine Goulds Water Technology model 30BHC**
- Effective November, 2008

### Performance Curves

**Curve No. E6830BDPC3**
- **Model**: 30BHC
- **RPM**: 880
- **Efficiency Correction**:
  - 1-stage: -2.0
  - 2-stage: 2.0
- **Impeller**: ENCLOSED
- **Ns**: 3540
- **K**: 92.0 LBS/FT
- **K (Bal.)**: 23.0 LBS/FT
- **RPM**: 880
- **Efficiency**: 87%
- **Max. PSI**: 98
- **Min. Subm.**: 40

**Turbine Operations**
- Lubbock, Texas
- Bowl Performance Curve Based on Pumping Clear, Non-Aerated Water
- Rated Point Only is Guaranteed
- Curves Represent Single Stage Performance Based on Test of Multi-Stage Bowl Assembly
- Efficiency Correction is Required for Lesser Stages

**Curve No. E6830BCPC2**
- **Model**: 30BHC
- **RPM**: 880
- **Efficiency Correction**:
  - 1-stage: -2.0
  - 2-stage: 2.0
- **Impeller**: ENCLOSED
- **Ns**: 3687
- **K**: 92.0 LBS/FT
- **K (Bal.)**: 23.0 LBS/FT
- **RPM**: 880
- **Efficiency**: 87%
- **Max. PSI**: 98
- **Min. Subm.**: 40

**Turbine Operations**
- Lubbock, Texas
- Bowl Performance Curve Based on Pumping Clear, Non-Aerated Water
- Rated Point Only is Guaranteed
- Curves Represent Single Stage Performance Based on Test of Multi-Stage Bowl Assembly
- Efficiency Correction is Required for Lesser Stages

### Technical Specifications
- **Model 30BHC**
- **Capacity (GPM)**
- **Total Head (Ft.)**
- **Horsepower per Stage**
- **NPSHR (ft)**
- **ENCLOSED Impeller**
- **K**: 92.0 LBS/FT
- **K (Bal.)**: 23.0 LBS/FT
- **Max. PSI**: 98
- **Min. Subm.**: 40

### Notes
- **USE FOR MULTIPLE STAGE PUMP**
- **BASED ON PUMPING CLEAR, NON-AERATED WATER**
- **GUARANTEED CURVES REPRESENT SINGLE STAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION IS REQUIRED FOR LESSER STAGES.**

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**PROPOSAL NO. | S.O. NO. | INQUIRY NO. | CUSTOMER P.O. NO. | P.O. DATE | ITEM NO. | CUSTOMER**
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**GPM CAPACITY | FT. TDH | RPM | **
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Xylem [ˈzɪləm]

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

We're 12,500 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. 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, backed by a legacy of innovation.

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