Lineshaft and Submersible Turbine Pump Curves

3600 RPM CURVES - 60 CYCLE PERFORMANCE
## INDEX – 60 CYCLE PERFORMANCE – 3600 RPM

<table>
<thead>
<tr>
<th>Model</th>
<th>RPM</th>
<th>Curve Number</th>
<th>Date Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>5ALC</td>
<td>3550</td>
<td>E6205ACPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>5CHC</td>
<td>3550</td>
<td>E6205CCPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>5CLC</td>
<td>3550</td>
<td>E6205CFPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>5RWAHC</td>
<td>3550</td>
<td>E6205WCPC2</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>5RWALC</td>
<td>3550</td>
<td>E6205WDPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>5THC</td>
<td>3550</td>
<td>E6205TFPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>5TLC</td>
<td>3550</td>
<td>E6205TEPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>6CHC</td>
<td>3550</td>
<td>E6206CCPC2</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>6CLC</td>
<td>3550</td>
<td>E6206CFPC2</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>6DHHC</td>
<td>3550</td>
<td>E6206DCPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>6DHHO</td>
<td>3550</td>
<td>E6206DDPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>6DHLC</td>
<td>3550</td>
<td>E6206DEPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>6DHLO</td>
<td>3550</td>
<td>E6206DFPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>6RAHC</td>
<td>3550</td>
<td>E6206AAPC4</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>6RALC</td>
<td>3550</td>
<td>E6206ACPC4</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>7CHC</td>
<td>3550</td>
<td>E6207CCPC2</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>7CHO</td>
<td>3550</td>
<td>E6207CHPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>7CLC</td>
<td>3550</td>
<td>E6207CFPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>7CLO</td>
<td>3550</td>
<td>E6207CJPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>7RAHC</td>
<td>3550</td>
<td>E6207RAPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>7RALC</td>
<td>3550</td>
<td>E6207RBPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>7THC</td>
<td>3550</td>
<td>E6207TFPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>7TLC</td>
<td>3550</td>
<td>E6207TAPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>7WAHC</td>
<td>3550</td>
<td>E6207WAPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>7WALC</td>
<td>3550</td>
<td>E6207WBPC0</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>8FDHC</td>
<td>3550</td>
<td>E6208FDPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8FDHO</td>
<td>3550</td>
<td>E6208FEP0C</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8FDLC</td>
<td>3550</td>
<td>E6208FFPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8FDLO</td>
<td>3550</td>
<td>E6208FGPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8RAHC</td>
<td>3550</td>
<td>E6208AAPC7</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8RALC</td>
<td>3550</td>
<td>E6208ACPC5</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8RJHC</td>
<td>3550</td>
<td>E6208RCPC0</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8RJHO</td>
<td>3550</td>
<td>E6208RDPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>8RJLC</td>
<td>3550</td>
<td>E6208REPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>8RJLO</td>
<td>3550</td>
<td>E6208RFP0C</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>9RCCHC</td>
<td>3550</td>
<td>E6209CCPC2</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>9RCHO</td>
<td>3550</td>
<td>E6409CHPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>9RCLC</td>
<td>3550</td>
<td>E6209CFPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>9RCLO</td>
<td>3550</td>
<td>E6409CJPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>9THC</td>
<td>3550</td>
<td>E6209TEPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>9TLC</td>
<td>3550</td>
<td>E6209TAPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>Model</td>
<td>RPM</td>
<td>Curve Number</td>
<td>Date Issued</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>-------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>9WAHC</td>
<td>3550</td>
<td>E6209WAPCO</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>9WALC</td>
<td>3550</td>
<td>E6209WBPCO</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>10RAHC</td>
<td>3550</td>
<td>E6210RAPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>10RAHXC</td>
<td>3550</td>
<td>E6210ABPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>10RALC</td>
<td>3550</td>
<td>E6210RBPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>10RJHC</td>
<td>3550</td>
<td>E6410RCPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>10RJLC</td>
<td>3550</td>
<td>E6210REPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>10RJLO</td>
<td>3550</td>
<td>E6210RFPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>10RJMC</td>
<td>3550</td>
<td>E6210RGPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>10RJMO</td>
<td>3550</td>
<td>E6210RHPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>10WAHC</td>
<td>3550</td>
<td>E6210WAPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>10WALC</td>
<td>3550</td>
<td>E6210WBPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>11CLC</td>
<td>3550</td>
<td>E6211CFPC1</td>
<td>September 1, 2017</td>
</tr>
<tr>
<td>11CLO</td>
<td>3550</td>
<td>E6411CJPCO</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>11RAHC</td>
<td>3550</td>
<td>E6211RAPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>11RAHXC</td>
<td>3550</td>
<td>E6211ABPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>11RALC</td>
<td>3550</td>
<td>E6211RBPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>11WAHC</td>
<td>3550</td>
<td>E6211WAPCO</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>11WALC</td>
<td>3550</td>
<td>E6211WBPCO</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>12WAHC</td>
<td>3550</td>
<td>E60412WAPCO</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>12WALC</td>
<td>3550</td>
<td>E60412WBPCO</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>13RAHC</td>
<td>3550</td>
<td>E6213RAPC1</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>13RAHXC</td>
<td>3550</td>
<td>E6213ABPC2</td>
<td>July 1, 2014</td>
</tr>
<tr>
<td>13RALC</td>
<td>3550</td>
<td>E6213RBPC1</td>
<td>July 1, 2014</td>
</tr>
</tbody>
</table>
**MODEL 5ALC** *(Effective September 1, 2017)*

- **Curve No. E6205ACPC1**
  - **Model** 5ALC
  - **RPM** 3550
  - **Efficiency Correction**
    - 1-STAGE: -4
    - 2-STAGE: -3
    - 3-STAGE: -1.5
    - 4-STAGE: 0
  - **Impeller** ENCLOSED
  - **Ns** = 2187
  - **K** = 1.3
  - **Bowl O. D.** 5.20 in
  - **Bowl Lateral** 0.25
  - **Max. PSI** 480
  - **Disch size** 3', 4''

**TURBINE OPERATIONS**
Comparison of pump performance in Texas.

**MODEL 5CHC** *(Effective July 1, 2014)*

- **Curve No. E6205CCPC2**
  - **Model** 5CHC
  - **RPM** 3550
  - **Efficiency Correction**
    - 1-STAGE: -4
    - 2-STAGE: -3
    - 3-STAGE: -1.5
    - 4-STAGE: 0
  - **Impeller** ENCLOSED
  - **Ns** = 2187
  - **K** = 1.3
  - **Bowl O. D.** 5.20 in
  - **Bowl Lateral** 0.25
  - **Max. PSI** 480
  - **Disch size** 3', 4''

**TURBINE OPERATIONS**
Comparison of pump performance in Texas.
MODEL 5CLC  (Effective July 1, 2014)

TURBINE OPERATIONS
Lubbock, Texas

MODEL 5RWAHC  (Effective September 1, 2017)

TURBINE OPERATIONS
Lubbock, Texas
MODEL 5RWALC  (Effective July 1, 2014)

Curve No. E6205WDPC2
Model  5RWALC
RPM     3550
EFFICIENCY CORRECTION
1-STAGE  -4
2-STAGE  -2
3-STAGE  -1
4-STAGE  0
Impeller ENCLOSED
Ns =  2000
K =  1.3
Bowl O. D.  5.20 in
Bowl Lateral  0.5
Max. PSI  480
Disch size  3", 4"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 5THC  (Effective July 1, 2014)

Curve No. E6205TFPC1
Model  5THC
RPM     3550
EFFICIENCY CORRECTION
1-STAGE  -3
2-STAGE  -2
3-STAGE  -1
4-STAGE  0
Impeller ENCLOSED
Ns =  3395
K =  2.36
Bowl O. D.  5.20 in
Bowl Lateral  0.25
Max. PSI  480
Disch size  3", 4"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 5TLC  (Effective July 1, 2014)

Curve No. E6205TEPC0
Model  5TLC
RPM  3550
EFFICIENCY CORRECTION
1-STAGE  -3
2-STAGE  -2
3-STAGE  -0.5
4-STAGE  0
Impeller  ENCLOSED
Ns = 3314
K = 2.36
Bowl O. D.  5.20 in
Bowl Lateral  0.25
Max. PSI  480
Disch size  3", 4"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 6CHC  (Effective September 1, 2017)

Curve No. E6206CCPC2
Model  6CHC
RPM  3550
EFFICIENCY CORRECTION
1-STAGE  -3
2-STAGE  -2
3-STAGE  -0.5
4-STAGE  0
Impeller  ENCLOSED
Ns = 2340
K = 2.1
Bowl O. D.  5.88 in
Bowl Lateral  0.25
Max. PSI  420
Disch size  3", 4"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 6CLC (Effective September 1, 2017)

Curve No. E6206CFPC2
Model 6CLC
RPM 3550
Efficiency correction:
1-stage -3
2-stage -2
3-stage -0.5
4-stage 0

Impeller ENCLOSED
Ns = 2292
K = 2.1

Bowl O.D. 5.88 in
Bowl Lateral 0.25
Max. PSI 420
Disch size 3”, 4”

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 applies to head, flow and horsepower for lesser stages.

MODEL 6DHHC (Effective July 1, 2014)

Curve No. E6206DCPCO
Model 6DHHC
RPM 3550
Efficiency correction:
1-stage -3
2-stage -2
3-stage -0.5
4-stage 0

Impeller ENCLOSED
Ns = 3950
K = 5.6

Bowl O.D. 5.50 in
Bowl Lateral 0.25
Max. PSI 200
Disch size 3”, 4”

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 applies to head, flow and horsepower for lesser stages.
**MODEL 6DHHO** (Effective July 1, 2014)

Curve No. E6206DDPC2

<table>
<thead>
<tr>
<th>Model</th>
<th>6DHHO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td></td>
</tr>
<tr>
<td>1-STAGE</td>
<td>-3</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>-2</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>-1</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>Impeller</td>
<td>OPEN</td>
</tr>
<tr>
<td>Ns</td>
<td>3950</td>
</tr>
<tr>
<td>K</td>
<td>5.6</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>5.50 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.56</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>200</td>
</tr>
<tr>
<td>Disch size</td>
<td>3&quot;, 4&quot;</td>
</tr>
</tbody>
</table>

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

**MODEL 6DHLC** (Effective July 1, 2014)

Curve No. E6206DEPCO

<table>
<thead>
<tr>
<th>Model</th>
<th>6DHLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td></td>
</tr>
<tr>
<td>1-STAGE</td>
<td>-3</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>-2</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>-0.5</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>Impeller</td>
<td>ENCLOSED</td>
</tr>
<tr>
<td>Ns</td>
<td>4280</td>
</tr>
<tr>
<td>K</td>
<td>5.6</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>5.50 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.56</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>200</td>
</tr>
<tr>
<td>Disch size</td>
<td>3&quot;, 4&quot;</td>
</tr>
</tbody>
</table>

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 6DHLO** *(Effective July 1, 2014)*

**Model** 6DHLO  
**RPM** 3550  
**Efficiency Correction**  
1-STAGE -3  
2-STAGE -2  
3-STAGE -1  
4-STAGE 0  

**Impeller** OPEN  

| Bowl O. D. | 5.50 in |  
| Bowl Lateral | 0.56 |  
| Max. PSI | 200 |  
| Disch size | 3", 4" |  

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 6RAHC** *(Effective September 1, 2017)*

**Model** 6RAHC  
**RPM** 3550  
**Efficiency Correction**  
1-STAGE -4  
2-STAGE -2  
3-STAGE -1  
4-STAGE 0  

**Impeller** ENCLOSED  

| Bowl O. D. | 5.50 in  
| Bowl Lateral | 0.25 |  
| Max. PSI | 430 |  
| Disch size | 3", 4" |  

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 6RALC**  (Effective September 1, 2017)

- **Curve No. E6206ACPC4**
  - **Model**: 6RALC
  - **RPM**: 3550
  - **Efficiency Correction**
    - 1-STAGE: -4
    - 2-STAGE: -2
    - 3-STAGE: -1
    - 4-STAGE: 0
  - **Impeller**: ENCLOSED
  - **Ns**: 1270
  - **K**: 1.18
  - **Bowl O. D.**: 5.50 in
  - **Bowl Lateral**: 0.25
  - **Max. PSI**: 430
  - **Disch size**: 3", 4"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 7CHC**  (Effective September 1, 2017)

- **Curve No. E6207CCPC2**
  - **Model**: 7CHC
  - **RPM**: 3550
  - **Efficiency Correction**
    - 1-STAGE: -3
    - 2-STAGE: -1
    - 3-STAGE: 0
    - 4-STAGE: 0
  - **Impeller**: ENCLOSED
  - **Ns**: 2210
  - **K**: 3.5
  - **Bowl O. D.**: 7.13 in
  - **Bowl Lateral**: 0.5
  - **Max. PSI**: 415
  - **Disch size**: 4", 5", 6"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 7CHO** *(Effective July 1, 2014)*

Curve No. E6207CHPC0

<table>
<thead>
<tr>
<th>Model</th>
<th>7CHO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
</tbody>
</table>

**EFFICIENCY CORRECTION**

- 1-STAGE: -2
- 2-STAGE: -1
- 3-STAGE: -0.5
- 4-STAGE: 0

**Impeller** OPEN

- Ns: 2300
- K: 3.8

- Bowl O. D.: 7.13 in
- Bowl Lateral: 0.5
- Max. PSI: 415
- Disch size: 4", 5", 6"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

**MODEL 7CLC** *(Effective September 1, 2017)*

Curve No. E6207CFPC1

<table>
<thead>
<tr>
<th>Model</th>
<th>7CLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
</tbody>
</table>

**EFFICIENCY CORRECTION**

- 1-STAGE: -3
- 2-STAGE: -1
- 3-STAGE: 0
- 4-STAGE: 0

**Impeller** ENCLOSED

- Ns: 2422
- K: 3.5

- Bowl O. D.: 7.13 in
- Bowl Lateral: 0.5
- Max. PSI: 415
- Disch size: 4", 5", 6"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 7CLO  (Effective July 1, 2014)

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 7RAHC  (Effective September 1, 2017)

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 7RALC  (Effective July 1, 2014)

Curve No. E6207RBPC1
Model 7RALC
RPM 3550
EFFICIENCY CORRECTION
1-STAGE -4
2-STAGE -2
3-STAGE -1
4-STAGE 0
Impeller ENCLOSED
Ns = 1325
K = 1.61
Bowl O.D. 7.50 in
Bowl Lateral 0.25
Max. PSI 430
Disch size 3", 4"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 7THC  (Effective July 1, 2014)

Curve No. E6207TFPC2
Model 7THC
RPM 3550
EFFICIENCY CORRECTION
1-STAGE -3
2-STAGE -2
3-STAGE -1
4-STAGE 0
Impeller ENCLOSED
Ns = 3655
K = 4.56
Bowl O.D. 7.13 in
Bowl Lateral 0.38
Max. PSI 310
Disch size 5", 6"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 7TLC (Effective July 1, 2014)

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

TURBINE OPERATIONS
Lubbock, Texas

MODEL 7WAHC (Effective September 1, 2017)

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 7WALC**  (Effective September 1, 2017)

Curve No. E6207WBPCO

<table>
<thead>
<tr>
<th>Model</th>
<th>7WALC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td>1-STAGE</td>
</tr>
<tr>
<td></td>
<td>-2</td>
</tr>
<tr>
<td>Impeller</td>
<td>ENCLOSED</td>
</tr>
<tr>
<td>Ns</td>
<td>1655</td>
</tr>
<tr>
<td>K</td>
<td>2.63</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>7.13 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.5</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>365</td>
</tr>
<tr>
<td>Disch size</td>
<td>4&quot;, 5&quot;, 6&quot;</td>
</tr>
</tbody>
</table>

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 8FDHC**  (Effective July 1, 2014)

Curve No. E6208FDPC0

<table>
<thead>
<tr>
<th>Model</th>
<th>8FDHC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td>1-STAGE</td>
</tr>
<tr>
<td></td>
<td>-4</td>
</tr>
<tr>
<td>Impeller</td>
<td>ENCLOSED</td>
</tr>
<tr>
<td>Ns</td>
<td>3850</td>
</tr>
<tr>
<td>K</td>
<td>7.9</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>7.31 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.56</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>400</td>
</tr>
<tr>
<td>Disch size</td>
<td>5&quot;, 6&quot;</td>
</tr>
</tbody>
</table>

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 8FDHO**  *(Effective July 1, 2014)*

- **Curve No.** E6208FEPC0
- **Model** 8FDHO
- **RPM** 3550
- **Efficiency Correction**
  - 1-STAGE: -3
  - 2-STAGE: -1.5
  - 3-STAGE: -1
  - 4-STAGE: 0
- **Impeller:** OPEN
- **Ns:** 3850
- **K:** 9.9
- **Bowl O. D.:** 7.31 in
- **Bowl Lateral:** 0.56
- **Max. PSI:** 400
- **Disch size:** 5", 6"

**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 applies to head, flow and horsepower for lesser stages.

---

**MODEL 8FDLC**  *(Effective July 1, 2014)*

- **Curve No.** E6208FFPC0
- **Model** 8FDLC
- **RPM** 3550
- **Efficiency Correction**
  - 1-STAGE: -3
  - 2-STAGE: -1.5
  - 3-STAGE: -1
  - 4-STAGE: 0
- **Impeller:** ENCLOSED
- **Ns:** 3750
- **K:** 7.9
- **Bowl O. D.:** 7.31 in
- **Bowl Lateral:** 0.56
- **Max. PSI:** 400
- **Disch size:** 5", 6"

**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 applies to head, flow and horsepower for lesser stages.
MODEL 8FDLO  (Effective July 1, 2014)

Curve No. E6208FGPC0
Model  8FDLO
RPM  3550

EFFICIENCY CORRECTION
1-STAGE  -3
2-STAGE  -1.5
3-STAGE  -1
4-STAGE  0

Impeller  OPEN
Ns =  3750
K =  9.9

Bowl O. D.  7.31 in
Max. PSI  400
Disch size  5", 6"

TURBINE OPERATIONS
Lubbock, Texas

MODEL 8RAHC  (Effective July 1, 2014)

Curve No. E6208AACP7
Model  8RAHC
RPM  3550

EFFICIENCY CORRECTION
1-STAGE  -4
2-STAGE  -2
3-STAGE  -1
4-STAGE  0

Impeller  ENCLOSED
Ns =  1184
K =  2

Bowl O. D.  7.50 in
Max. PSI  430
Disch size  4", 5", 6"

TURBINE OPERATIONS
Lubbock, Texas
**MODEL 8RALC** *(Effective July 1, 2014)*

Curve No. E6208ACPC5

- **Model**: 8RALC
- **RPM**: 3550
- **Efficiency Correction**:
  - 1-STAGE: -4
  - 2-STAGE: -2
  - 3-STAGE: -1
  - 4-STAGE: 0
- **Impeller**: ENCLOSED
- **Ns**: 1208
- **K**: 2
- **Bowl O. D.**: 7.50 in
- **Bowl Lateral**: 0.25
- **Max. PSI**: 430
- **Disch size**: 4”, 5”, 6”

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 8RJHC** *(Effective July 1, 2014)*

Curve No. E6208RCPCO

- **Model**: 8RJHC
- **RPM**: 3550
- **Efficiency Correction**:
  - 1-STAGE: 0
  - 2-STAGE: 0
  - 3-STAGE: 0
  - 4-STAGE: 0
- **Impeller**: ENCLOSED
- **Ns**: 2849
- **K**: 4
- **Bowl O. D.**: 7.50 in
- **Bowl Lateral**: 0.63
- **Max. PSI**: 425
- **Disch size**: 4”, 5”, 6”

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 8RJHO  (Effective July 1, 2014)

TURBINE OPERATIONS
Lubbock, Texas

MODEL 8RJLC  (Effective September 1, 2017)

TURBINE OPERATIONS
Lubbock, Texas
**MODEL 8RJLO** *(Effective July 1, 2014)*

**Curve No. E6208RFPC1**
- **Model**: 8RJLO
- **RPM**: 3550
- **Efficiency Correction**: 0
  - 1-Stage: 0
  - 2-Stage: 0
  - 3-Stage: 0
  - 4-Stage: 0
- **Impeller**: OPEN
- **Ns**: 2625
- **K**: 5.3
- **Bowl O. D.:** 7.50 in
- **Max. PSI**: 425
- **Disch size**: 4", 5", 6"

*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 applies to head, flow, and horsepower for lesser stages.*

---

**MODEL 9RCHC** *(Effective September 1, 2017)*

**Curve No. E6209CCPC2**
- **Model**: 9RCHC
- **RPM**: 3550
- **Efficiency Correction**: 0
  - 1-Stage: -2
  - 2-Stage: -1
  - 3-Stage: 0.5
  - 4-Stage: 0
- **Impeller**: ENCLOSED
- **Ns**: 2283
- **K**: 4.9
- **Bowl O. D.:** 9.25 in
- **Bowl Lateral**: 0.88
- **Max. PSI**: 400
- **Disch size**: 5", 6", 8"

*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 applies to head, flow, and horsepower for lesser stages.*
MODEL 9RCHO  
(Effective July 1, 2014)

Curve No. E6409CHPC1
Model  9RCHO
RPM  3550

EFFICIENCY CORRECTION
1-STAGE  -2
2-STAGE  -1
3-STAGE  -0.5
4-STAGE  0

Impeller  OPEN
Ns  2300
K  7

Bowl O. D.  9.25 in
Bowl Lateral  0.88
Max. PSI  400
Disch size  5", 6", 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 9RCLC  
(Effective July 1, 2014)

Curve No. E6209CFPC2
Model  9RCLC
RPM  3550

EFFICIENCY CORRECTION
1-STAGE  -2
2-STAGE  -1
3-STAGE  -0.5
4-STAGE  0

Impeller  ENCLOSED
Ns  2282
K  4.9

Bowl O. D.  9.25 in
Bowl Lateral  0.88
Max. PSI  400
Disch size  5", 6", 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 9RCLO  (Effective July 1, 2014)

Curve No. E6409CJPC1

<table>
<thead>
<tr>
<th>Model</th>
<th>9RCLO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td></td>
</tr>
<tr>
<td>1-STAGE</td>
<td>-2</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>-1</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>-0.5</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>Impeller</td>
<td>OPEN</td>
</tr>
<tr>
<td>Ns =</td>
<td>2290</td>
</tr>
<tr>
<td>K =</td>
<td>7</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>9.25 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.88</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>400</td>
</tr>
<tr>
<td>Disch size</td>
<td>5&quot;, 6&quot;, 8&quot;</td>
</tr>
</tbody>
</table>

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 9THC  (Effective July 1, 2014)

Curve No. E6209TEPC2

<table>
<thead>
<tr>
<th>Model</th>
<th>9THC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td></td>
</tr>
<tr>
<td>1-STAGE</td>
<td>-2</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>-1</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>Impeller</td>
<td>ENCLOSED</td>
</tr>
<tr>
<td>Ns =</td>
<td>3520</td>
</tr>
<tr>
<td>K =</td>
<td>9</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>9.25 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.75</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>530</td>
</tr>
<tr>
<td>Disch size</td>
<td>5&quot;, 6&quot;, 8&quot;</td>
</tr>
</tbody>
</table>

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 9TLC** (Effective July 1, 2014)

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 9WAHC** (Effective September 1, 2017)

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 9WALC  (Effective July 1, 2014)

Curve No. E6209WBPCO
Model  9WALC
RPM  3550
EFFICIENCY CORRECTION
1-STAGE   -2
2-STAGE   -1
3-STAGE   0
4-STAGE   0
Impeller  ENCLOSED
Ns =  1660
K =  3.75
Bowl O. D.  9.25 in
Bowl Lateral  0.56
Max. PSI  530
Disch size  5", 6", 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 10RAHC  (Effective September 1, 2017)

Curve No. E6210RAPC1
Model  10RAHC
RPM  3550
EFFICIENCY CORRECTION
1-STAGE   -4
2-STAGE   -2
3-STAGE   -1
4-STAGE   0
Impeller  ENCLOSED
Ns =  1550
K =  3.75
Bowl O. D.  9.50 in
Bowl Lateral  0.38
Max. PSI  450
Disch size  4", 6", 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 10RAHXC** *(Effective July 1, 2014)*

![Graph Showing Performance Curves]

**Curve No. E6210ABPC2**

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th>10RAHXC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RPM</strong></td>
<td>3550</td>
</tr>
</tbody>
</table>

**Efficiency Correction**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
</tbody>
</table>

**Impeller**

- **Enclosed**
- **Ns = 1747**
- **K = 5.5**

**Bowl O. D.**

- **9.50 in**

**Bowl Lateral**

- **0.37**

**Max. PSI**

- **450**

**Disch size**

- **4", 6", 8"**

**TURBINE OPERATIONS**

Lubbock, Texas

Bowen 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 applies to head, flow and horsepower for lesser stages.

**MODEL 10RALC** *(Effective September 1, 2017)*

![Graph Showing Performance Curves]

**Curve No. E6210RBPC1**

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th>10RALC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RPM</strong></td>
<td>3550</td>
</tr>
</tbody>
</table>

**Efficiency Correction**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-STAGE</td>
<td>-4</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>-2</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>-1</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
</tbody>
</table>

**Impeller**

- **Enclosed**
- **Ns = 1625**
- **K = 3.75**

**Bowl O. D.**

- **9.50 in**

**Bowl Lateral**

- **0.38**

**Max. PSI**

- **450**

**Disch size**

- **4", 6", 8"**

**TURBINE OPERATIONS**

Lubbock, Texas

Bowen 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 applies to head, flow and horsepower for lesser stages.
MODEL 10RJHC  (Effective September 1, 2017)

Curve No. E6410RCPC1
Model 10RJHC
RPM 3550
EFFICIENCY CORRECTION
1-STAGE 0
2-STAGE 0
3-STAGE 0
4-STAGE 0
Impeller ENCLOSED
Ns = 2760
K = 7
Bowl O. D. 9.50 in
Bowl Lateral 0.75
Max. PSI 430
Disch size 6" , 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 10RJLC  (Effective September 1, 2017)

Curve No. E6210REPC1
Model 10RJLC
RPM 3550
EFFICIENCY CORRECTION
1-STAGE 0
2-STAGE 0
3-STAGE 0
4-STAGE 0
Impeller ENCLOSED
Ns = 2760
K = 7
Bowl O. D. 9.50 in
Bowl Lateral 0.75
Max. PSI 430
Disch size 6" , 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 10RJLO  (Effective July 1, 2014)

Curve No. E6210RFPC1

<table>
<thead>
<tr>
<th>Model</th>
<th>10RJLO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td></td>
</tr>
<tr>
<td>1-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Impeller</th>
<th>OPEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ns</td>
<td>2760</td>
</tr>
<tr>
<td>K</td>
<td>9.5</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>9.50 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.75</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>430</td>
</tr>
<tr>
<td>Disch size</td>
<td>6&quot;, 8&quot;</td>
</tr>
</tbody>
</table>

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 10RJMC  (Effective July 1, 2014)

Curve No. E6210RGPC1

<table>
<thead>
<tr>
<th>Model</th>
<th>10RJMC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td></td>
</tr>
<tr>
<td>1-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Impeller</th>
<th>ENCLOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ns</td>
<td>2610</td>
</tr>
<tr>
<td>K</td>
<td>7</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>9.50 in</td>
</tr>
<tr>
<td>Bowl Lateral</td>
<td>0.75</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>430</td>
</tr>
<tr>
<td>Disch size</td>
<td>6&quot;, 8&quot;</td>
</tr>
</tbody>
</table>

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 10RJMO** *(Effective July 1, 2014)*

Curve No. E6210RHPC1

<table>
<thead>
<tr>
<th>Model</th>
<th>10RJMO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
</tbody>
</table>

**EFFICIENCY CORRECTION**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>0</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
</tbody>
</table>

**Impeller** OPEN

<table>
<thead>
<tr>
<th>Ns</th>
<th>2565</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>9.5</td>
</tr>
</tbody>
</table>

**Bowl O. D.** 9.50 in

**Max. PSI**

**Disch size** 6", 8"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

**TURBINE OPERATIONS**

Lubbock, Texas

**MODEL 10WAHC** *(Effective July 1, 2014)*

Curve No. E6210WAPC1

<table>
<thead>
<tr>
<th>Model</th>
<th>10WAHC</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>3550</td>
</tr>
</tbody>
</table>

**EFFICIENCY CORRECTION**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-STAGE</td>
<td>-3</td>
</tr>
<tr>
<td>2-STAGE</td>
<td>-2</td>
</tr>
<tr>
<td>3-STAGE</td>
<td>-1</td>
</tr>
<tr>
<td>4-STAGE</td>
<td>0</td>
</tr>
</tbody>
</table>

**Impeller** ENCLOSED

<table>
<thead>
<tr>
<th>Ns</th>
<th>1695</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>4.65</td>
</tr>
</tbody>
</table>

**Bowl O. D.** 9.50 in

**Max. PSI**

**Disch size** 6", 8"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

**TURBINE OPERATIONS**

Lubbock, Texas
MODEL 10WALC  (Effective July 1, 2014)

Curve No. E6210WBPC2
Model 10WALC
RPM 3550

EFFICIENCY CORRECTION
1-STAGE -3
2-STAGE -2
3-STAGE -1
4-STAGE 0

Impeller  ENCLOSED
Ns = 1700
K = 4.6

Bowl O. D. 9.50 in
Bowl Lateral 0.63
Max. PSI 375
Disch size 4", 6", 8"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 11CLC  (Effective September 1, 2017)

Curve No. E6211CFPC1
Model 11CLC
RPM 3550

EFFICIENCY CORRECTION
1-STAGE -1.5
2-STAGE -1
3-STAGE -0.5
4-STAGE 0

Impeller  ENCLOSED
Ns = 2230
K = 7

Bowl O. D. 11.00 in
Bowl Lateral 0.63
Max. PSI 380
Disch size 6", 8", 10"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 11CLO** *(Effective July 1, 2014)*

![Graph of Model 11CLO Performance](image)

**Curve No. E6411CJPCO**

<table>
<thead>
<tr>
<th>Model 11CLO</th>
<th>RPM 3550</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td>1-STAGE -1.5</td>
</tr>
<tr>
<td>Impeller</td>
<td>OPEN</td>
</tr>
<tr>
<td>Ns</td>
<td>2230</td>
</tr>
<tr>
<td>K</td>
<td>9.1</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>11.00 in</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>380</td>
</tr>
<tr>
<td>Disch size</td>
<td>6&quot;, 8&quot;, 10&quot;</td>
</tr>
</tbody>
</table>

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 11RAHC** *(Effective July 1, 2014)*

![Graph of Model 11RAHC Performance](image)

**Curve No. E6211RAPC1**

<table>
<thead>
<tr>
<th>Model 11RAHC</th>
<th>RPM 3550</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFFICIENCY CORRECTION</td>
<td>1-STAGE -5</td>
</tr>
<tr>
<td>Impeller</td>
<td>ENCLOSED</td>
</tr>
<tr>
<td>Ns</td>
<td>1560</td>
</tr>
<tr>
<td>K</td>
<td>5.3</td>
</tr>
<tr>
<td>Bowl O. D.</td>
<td>11.60 in</td>
</tr>
<tr>
<td>Max. PSI</td>
<td>380</td>
</tr>
<tr>
<td>Disch size</td>
<td>6&quot;, 8&quot;, 10&quot;</td>
</tr>
</tbody>
</table>

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 11RAHXC  (Effective July 1, 2014)

Curve No. E6211ABPC2
Model  11RAHXC
RPM  3550
EFFICIENCY CORRECTION
1-STAGE  0
2-STAGE  0
3-STAGE  0
4-STAGE  0
Impeller  ENCLOSED
Ns =  1663
K =  7.9
Bowl O. D.  11.60 in
Bowl Lateral  0.37
Max. PSI  400
Disch size  6", 8", 10"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 11RALC  (Effective July 1, 2014)

Curve No. E6211RBPC1
Model  11RALC
RPM  3550
EFFICIENCY CORRECTION
1-STAGE  -5
2-STAGE  -3
3-STAGE  -1
4-STAGE  0
Impeller  ENCLOSED
Ns =  1585
K =  5.3
Bowl O. D.  11.60 in
Bowl Lateral  0.38
Max. PSI  400
Disch size  6", 8", 10"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
**MODEL 11WAHC (Effective July 1, 2014)**

Curve No. E6211WAPCO

<table>
<thead>
<tr>
<th>RPM</th>
<th>3550</th>
</tr>
</thead>
</table>

**EFFICIENCY CORRECTION**

1-STAGE: -3
2-STAGE: -2
3-STAGE: -1
4-STAGE: 0

**Impeller** ENCLOSED

<table>
<thead>
<tr>
<th>Ns</th>
<th>1750</th>
</tr>
</thead>
</table>

| K   | 6    |

| Bowl O. D. | 11.00 in |
| Max. PSI   | 380    |
| Disch size | 5”, 6", 8" |

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

---

**MODEL 11WALC (Effective July 1, 2014)**

Curve No. E6211WBPCO

<table>
<thead>
<tr>
<th>RPM</th>
<th>3550</th>
</tr>
</thead>
</table>

**EFFICIENCY CORRECTION**

1-STAGE: -3
2-STAGE: -2
3-STAGE: -1
4-STAGE: 0

**Impeller** ENCLOSED

<table>
<thead>
<tr>
<th>Ns</th>
<th>1650</th>
</tr>
</thead>
</table>

| K   | 6    |

| Bowl O. D. | 11.00 in |
| Max. PSI   | 380    |
| Disch size | 5”, 6", 8" |

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
MODEL 12WAHC  (Effective July 1, 2014)

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

MODEL 12WALC  (Effective July 1, 2014)

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
### MODEL 13RAHC (Effective July 1, 2014)

**Curve No. E6213RAPC1**

- **Model**: 13RAHC
- **RPM**: 3550
- **Efficiency Correction**
  - 1-STAGE: -5
  - 2-STAGE: -2
  - 3-STAGE: -1
  - 4-STAGE: 0
- **Impeller**: ENCLOSED
- **Ns**: 1760
- **K**: 7.9
- **Bowl O. D.**: 13.38 in
- **Bowl Lateral**: 0.5 in
- **Max. PSI**: 430
- **Disch size**: 8", 10", 12"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.

### MODEL 13RAHXC (Effective July 1, 2014)

**Curve No. E6213ABPC2**

- **Model**: 13RAHXC
- **RPM**: 3550
- **Efficiency Correction**
  - 1-STAGE: 0
  - 2-STAGE: 0
  - 3-STAGE: 0
  - 4-STAGE: 0
- **Impeller**: ENCLOSED
- **Ns**: 1843
- **K**: 10
- **Bowl O. D.**: 13.38 in
- **Bowl Lateral**: 0.5 in
- **Max. PSI**: 430
- **Disch size**: 8", 10", 12"

**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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.
Curve No. E6213RBPC1
Model 13RALC
RPM 3550
EFFICIENCY CORRECTION
1-STAGE - 0.5
2-STAGE - 0.2
3-STAGE - 0.1
4-STAGE 0
Impeller ENCLOSED
Ns = 1690
K = 7.9
Bowl O. D. 13.38 in
Bowl Lateral 0.5
Max. PSI 430
Disch size 8", 10", 12"

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 APPLIES TO HEAD, FLOW AND HORSEPOWER FOR LESSER STAGES.