Assessments Efficiency Report

Report Summary

Pumps

8 pumps with a

-\$609,881.98

ANNUAL SAVINGS POTENTIAL

xvb



Plant A / Pump 1

Baseline

19 %

OPTIMIZATION RATING

\$42,793.04

Modification 1

117 %

OPTIMIZATION RATING

-\$8,939.56

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Modification 1 |
|------------------------|-----------|----------|----------------|
| Pump efficiency (%) | 05.46 | 30.21 | 81.95 |
| Motor rated power (hp) | 200.00 | 25.00 | 200.00 |
| Motor shaft power (hp) | 127.98 | 23.15 | 127.98 |
| Pump shaft power (hp) | 127.98 | 23.15 | 127.98 |
| Motor efficiency (%) | 95.47 | 92.94 | 95.47 |
| Motor power factor (%) | 82.90 | 83.52 | 82.90 |
| Motor current (amps) | 151.41 | 27.93 | 151.41 |
| Motor power (hp) | 100.00 | 18.58 | 100.00 |
| Annual Energy (MWh) | 876.00 | 162.78 | 876.00 |
| Annual Cost | 52,560.00 | 9,766.96 | 52,560.00 |

| | Baseline | Modification 1 |
|---------------------------|--------------------|--------------------|
| Pump & Fluid | | |
| Pump Type | End Suction Slurry | End Suction Slurry |
| Pump RPM | 1,780.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 |
| Stages | 01.00 | 01.00 |
| Fixed specifc speed? | Yes | Yes |
| Motor | | |
| Line Frequency | 60 Hz | 60 Hz |
| Horse Power | 200.00 hp | 200.00 |
| Motor (RPM) | 1,780.00 | 1,780.00 |
| Efficiency Class | Energy Efficient | Energy Efficient |
| Voltage | 460.00 | 460.00 |
| Full-Load Amps | 225.80 | 225.80 |
| Size Margin | 00.00 | 00.00 |
| Field Data | | |
| Operating Fraction | 01.00 | 01.00 |
| Cost (kW/hr) | 00.06 | 00.06 |
| Flow Rate (gpm) | 100.00 | 1,500.00 |
| Head (ft) | 277.00 | 277.00 |
| Load Estimated Method | Power | Power |
| Motor Power (kW) | 100.00 | 100.00 |
| Voltage | 460.00 | 460.00 |

Plant A / Pump 2

Baseline 203 %

OPTIMIZATION RATING

-\$234,532.24

Cheaper Cost 203 %

OPTIMIZATION RATING

-\$234,532.24

ANNUAL SAVINGS POTENTIAL ANNUAL SAVINGS POTENTIAL ANNUAL SAVINGS POTENTIAL

Smaller Input

203 %

OPTIMIZATION RATING

-\$234,532.24

Bigger Motor 203 %

OPTIMIZATION RATING

-\$234,532.24

Less Flow 203 %

OPTIMIZATION RATING

-\$234,532.24

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Cheaper Cost | Smaller Input | Bigger Motor | Less Flow |
|------------------------|------------|------------|--------------|---------------|--------------|------------|
| Pump efficiency (%) | 178.75 | 85.80 | 178.75 | 178.75 | 178.75 | 178.75 |
| Motor rated power (hp) | 200.00 | 14,000.00 | 200.00 | 200.00 | 200.00 | 200.00 |
| Motor shaft power (hp) | 482.88 | 1,006.04 | 482.88 | 482.88 | 482.88 | 482.88 |
| Pump shaft power (hp) | 482.88 | 1,006.04 | 482.88 | 482.88 | 482.88 | 482.88 |
| Motor efficiency (%) | 83.39 | 85.43 | 83.39 | 83.39 | 83.39 | 83.39 |
| Motor power factor (%) | 91.49 | 25.87 | 91.49 | 91.49 | 91.49 | 91.49 |
| Motor current (amps) | 592.66 | 4,260.89 | 592.66 | 592.66 | 592.66 | 592.66 |
| Motor power (hp) | 432.00 | 878.22 | 432.00 | 432.00 | 432.00 | 432.00 |
| Annual Energy (MWh) | 3,784.32 | 7,693.19 | 3,784.32 | 3,784.32 | 3,784.32 | 3,784.32 |
| Annual Cost | 227,059.20 | 461,591.44 | 227,059.20 | 227,059.20 | 227,059.20 | 227,059.20 |

| | Baseline | Cheaper Cost | Smaller Input | Bigger Motor | Less Flow |
|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Pump & Fluid | | | | | |
| Pump Type | End Suction Slurry |
| Pump RPM | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Stages | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Fixed specifc speed? | Yes | Yes | Yes | Yes | Yes |
| Motor | | | | | |
| Line Frequency | 60 Hz |
| Horse Power | 200.00 hp | 200.00 | 200.00 | 200.00 | 200.00 |
| Motor (RPM) | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Efficiency Class | Energy Efficient |
| Voltage | 460.00 | 460.00 | 460.00 | 460.00 | 460.00 |
| Full-Load Amps | 225.80 | 225.80 | 225.80 | 225.80 | 225.80 |
| Size Margin | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| Field Data | | | | | |
| Operating Fraction | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Cost (kW/hr) | 00.06 | 00.06 | 00.06 | 00.06 | 00.06 |
| Flow Rate (gpm) | 12,344.00 | 12,344.00 | 12,344.00 | 12,344.00 | 12,344.00 |
| Head (ft) | 277.00 | 277.00 | 277.00 | 277.00 | 277.00 |
| Load Estimated Method | Power | Power | Power | Power | Power |
| Motor Power (kW) | 432.00 | 432.00 | 432.00 | 432.00 | 432.00 |
| Voltage | 460.00 | 460.00 | 460.00 | 460.00 | 460.00 |

Building 1 / Plant B / Pump 1

Baseline

19 %

OPTIMIZATION RATING

\$42,793.04

Modification 1

117 %

OPTIMIZATION RATING

-\$8,939.56

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Modification 1 |
|------------------------|-----------|----------|----------------|
| Pump efficiency (%) | 05.46 | 30.21 | 81.95 |
| Motor rated power (hp) | 200.00 | 25.00 | 200.00 |
| Motor shaft power (hp) | 127.98 | 23.15 | 127.98 |
| Pump shaft power (hp) | 127.98 | 23.15 | 127.98 |
| Motor efficiency (%) | 95.47 | 92.94 | 95.47 |
| Motor power factor (%) | 82.90 | 83.52 | 82.90 |
| Motor current (amps) | 151.41 | 27.93 | 151.41 |
| Motor power (hp) | 100.00 | 18.58 | 100.00 |
| Annual Energy (MWh) | 876.00 | 162.78 | 876.00 |
| Annual Cost | 52,560.00 | 9,766.96 | 52,560.00 |

| | Baseline | Modification 1 |
|---------------------------|--------------------|--------------------|
| Pump & Fluid | | |
| Pump Type | End Suction Slurry | End Suction Slurry |
| Pump RPM | 1,780.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 |
| Stages | 01.00 | 01.00 |
| Fixed specifc speed? | Yes | Yes |
| Motor | | |
| Line Frequency | 60 Hz | 60 Hz |
| Horse Power | 200.00 hp | 200.00 |
| Motor (RPM) | 1,780.00 | 1,780.00 |
| Efficiency Class | Energy Efficient | Energy Efficient |
| Voltage | 460.00 | 460.00 |
| Full-Load Amps | 225.80 | 225.80 |
| Size Margin | 00.00 | 00.00 |
| Field Data | | |
| Operating Fraction | 01.00 | 01.00 |
| Cost (kW/hr) | 00.06 | 00.06 |
| Flow Rate (gpm) | 100.00 | 1,500.00 |
| Head (ft) | 277.00 | 277.00 |
| Load Estimated Method | Power | Power |
| Motor Power (kW) | 100.00 | 100.00 |
| Voltage | 460.00 | 460.00 |

Building 1 / Plant B / Pump 2

Baseline 203 %

OPTIMIZATION RATING

-\$234,532.24

Cheaper Cost 203 %

OPTIMIZATION RATING

-\$234,532.24

ANNUAL SAVINGS POTENTIAL ANNUAL SAVINGS POTENTIAL ANNUAL SAVINGS POTENTIAL

Smaller Input

203 %

OPTIMIZATION RATING

-\$234,532.24

Bigger Motor 203 %

OPTIMIZATION RATING

-\$234,532.24

Less Flow 203 %

OPTIMIZATION RATING

-\$234,532.24

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Cheaper Cost | Smaller Input | Bigger Motor | Less Flow |
|------------------------|------------|------------|--------------|---------------|--------------|------------|
| Pump efficiency (%) | 178.75 | 85.80 | 178.75 | 178.75 | 178.75 | 178.75 |
| Motor rated power (hp) | 200.00 | 14,000.00 | 200.00 | 200.00 | 200.00 | 200.00 |
| Motor shaft power (hp) | 482.88 | 1,006.04 | 482.88 | 482.88 | 482.88 | 482.88 |
| Pump shaft power (hp) | 482.88 | 1,006.04 | 482.88 | 482.88 | 482.88 | 482.88 |
| Motor efficiency (%) | 83.39 | 85.43 | 83.39 | 83.39 | 83.39 | 83.39 |
| Motor power factor (%) | 91.49 | 25.87 | 91.49 | 91.49 | 91.49 | 91.49 |
| Motor current (amps) | 592.66 | 4,260.89 | 592.66 | 592.66 | 592.66 | 592.66 |
| Motor power (hp) | 432.00 | 878.22 | 432.00 | 432.00 | 432.00 | 432.00 |
| Annual Energy (MWh) | 3,784.32 | 7,693.19 | 3,784.32 | 3,784.32 | 3,784.32 | 3,784.32 |
| Annual Cost | 227,059.20 | 461,591.44 | 227,059.20 | 227,059.20 | 227,059.20 | 227,059.20 |

| | Baseline | Cheaper Cost | Smaller Input | Bigger Motor | Less Flow |
|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Pump & Fluid | | | | | |
| Pump Type | End Suction Slurry |
| Pump RPM | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Stages | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Fixed specifc speed? | Yes | Yes | Yes | Yes | Yes |
| Motor | | | | | |
| Line Frequency | 60 Hz |
| Horse Power | 200.00 hp | 200.00 | 200.00 | 200.00 | 200.00 |
| Motor (RPM) | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Efficiency Class | Energy Efficient |
| Voltage | 460.00 | 460.00 | 460.00 | 460.00 | 460.00 |
| Full-Load Amps | 225.80 | 225.80 | 225.80 | 225.80 | 225.80 |
| Size Margin | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| Field Data | | | | | |
| Operating Fraction | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Cost (kW/hr) | 00.06 | 00.06 | 00.06 | 00.06 | 00.06 |
| Flow Rate (gpm) | 12,344.00 | 12,344.00 | 12,344.00 | 12,344.00 | 12,344.00 |
| Head (ft) | 277.00 | 277.00 | 277.00 | 277.00 | 277.00 |
| Load Estimated Method | Power | Power | Power | Power | Power |
| Motor Power (kW) | 432.00 | 432.00 | 432.00 | 432.00 | 432.00 |
| Voltage | 460.00 | 460.00 | 460.00 | 460.00 | 460.00 |

Assessment Name

Baseline

93 %

OPTIMIZATION RATING

\$44,871.82

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

Modification 3

92 %

OPTIMIZATION RATING

\$2,851.14

Modification 2

92 %

OPTIMIZATION RATING

\$2,850.52

Modification 1

92 %

OPTIMIZATION RATING

\$2,851.14

ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Modification 3 | Modification 2 | Modification 1 |
|------------------------|------------|------------|----------------|----------------|----------------|
| Pump efficiency (%) | -144.98 | 86.43 | 80.26 | 80.26 | 80.26 |
| Motor rated power (hp) | 05.00 | 400.00 | 200.00 | 200.00 | 200.00 |
| Motor shaft power (hp) | -56.37 | 94.56 | 101.19 | 101.19 | 101.19 |
| Pump shaft power (hp) | -56.37 | 94.56 | 101.19 | 101.19 | 101.19 |
| Motor efficiency (%) | -51.91 | 93.67 | 94.36 | 94.36 | 94.36 |
| Motor power factor (%) | 117.58 | 57.05 | 76.46 | 76.46 | 76.46 |
| Motor current (amps) | 82.69 | 158.46 | 125.86 | 125.86 | 125.86 |
| Motor power (hp) | 81.00 | 75.31 | 80.00 | 80.00 | 80.00 |
| Annual Energy (MWh) | 638.60 | 593.73 | 700.80 | 700.80 | 700.80 |
| Annual Cost | 638,604.00 | 593,732.18 | 35,040.00 | 35,040.00 | 35,040.00 |

| | Baseline | Modification 3 | Modification 2 | Modification 1 |
|---------------------------|----------------------|----------------------|-----------------------|----------------------|
| Pump & Fluid | | | | |
| Pump Type | End Suction ANSI/API | End Suction ANSI/API | End Suction ANSI/API | End Suction ANSI/API |
| Pump RPM | 1,784.00 | 1,780.00 | 1,785.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 | 01.00 | 01.00 |
| Stages | 03.00 | 02.00 | 02.00 | 02.00 |
| Fixed specifc speed? | No | No | No | No |
| Motor | | | | |
| Line Frequency | 50 Hz | 60 Hz | 60 Hz | 60 Hz |
| Horse Power | 05.00 hp | 200.00 | 200.00 | 200.00 |
| Motor (RPM) | 1,485.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Efficiency Class | Standard Efficiency | Specified | Specified | Specified |
| Voltage | 464.00 | 460.00 | 460.00 | 460.00 |
| Full-Load Amps | 06.70 | 225.00 | 225.00 | 225.00 |
| Size Margin | 03.00 | 00.00 | 00.00 | 00.00 |
| Field Data | | | | |
| Operating Fraction | 00.90 | 01.00 | 01.00 | 01.00 |
| Cost (kW/hr) | 01.00 | 00.05 | 00.05 | 00.05 |
| Flow Rate (gpm) | 1,841.00 | 1,840.00 | 1,840.00 | 1,840.00 |
| Head (ft) | 175.85 | 174.85 | 174.85 | 174.85 |
| Load Estimated Method | Power | Power | Power | Power |
| Motor Power (kW) | 81.00 | 80.00 | 80.00 | 80.00 |
| Voltage | 481.00 | 480.00 | 480.00 | 480.00 |

New Assessment

Baseline

788 % OPTIMIZATION RATING

-\$79,536.20

Modification 1

791 %

OPTIMIZATION RATING

-\$79,924.36

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Modification 1 |
|------------------------|-----------|-----------|----------------|
| Pump efficiency (%) | 330.52 | 67.31 | 333.73 |
| Motor rated power (hp) | 200.00 | 9,000.00 | 200.00 |
| Motor shaft power (hp) | 26.11 | 128.20 | 26.11 |
| Pump shaft power (hp) | 26.11 | 128.20 | 26.11 |
| Motor efficiency (%) | 88.53 | 53.57 | 88.53 |
| Motor power factor (%) | 39.86 | 08.30 | 39.86 |
| Motor current (amps) | 69.27 | 2,622.05 | 69.27 |
| Motor power (hp) | 22.00 | 173.32 | 22.00 |
| Annual Energy (MWh) | 192.72 | 1,518.32 | 192.72 |
| Annual Cost | 11,563.20 | 91,099.40 | 11,563.20 |

| | Baseline | Modification 1 |
|---------------------------|--------------------|--------------------|
| Pump & Fluid | | |
| Pump Type | End Suction Slurry | End Suction Slurry |
| Pump RPM | 1,780.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 |
| Stages | 01.00 | 01.00 |
| Fixed specifc speed? | Yes | Yes |
| Motor | | |
| Line Frequency | 60 Hz | 50 Hz |
| Horse Power | 200.00 hp | 200.00 |
| Motor (RPM) | 1,780.00 | 1,485.00 |
| Efficiency Class | Energy Efficient | Energy Efficient |
| Voltage | 460.00 | 460.00 |
| Full-Load Amps | 225.80 | 225.80 |
| Size Margin | 66.00 | 66.00 |
| Field Data | | |
| Operating Fraction | 01.00 | 01.00 |
| Cost (kW/hr) | 00.06 | 00.06 |
| Flow Rate (gpm) | 1,234.00 | 1,246.00 |
| Head (ft) | 277.00 | 277.00 |
| Load Estimated Method | Power | Power |
| Motor Power (kW) | 22.00 | 22.00 |
| Voltage | 460.00 | 460.00 |

Plant B / Pump 1

Baseline

19 %

OPTIMIZATION RATING

\$42,793.04

Modification 1

117 %

OPTIMIZATION RATING

-\$8,939.56

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Modification 1 |
|------------------------|-----------|----------|----------------|
| Pump efficiency (%) | 05.46 | 30.21 | 81.95 |
| Motor rated power (hp) | 200.00 | 25.00 | 200.00 |
| Motor shaft power (hp) | 127.98 | 23.15 | 127.98 |
| Pump shaft power (hp) | 127.98 | 23.15 | 127.98 |
| Motor efficiency (%) | 95.47 | 92.94 | 95.47 |
| Motor power factor (%) | 82.90 | 83.52 | 82.90 |
| Motor current (amps) | 151.41 | 27.93 | 151.41 |
| Motor power (hp) | 100.00 | 18.58 | 100.00 |
| Annual Energy (MWh) | 876.00 | 162.78 | 876.00 |
| Annual Cost | 52,560.00 | 9,766.96 | 52,560.00 |

| | Baseline | Modification 1 | |
|---------------------------|--------------------|--------------------|--|
| Pump & Fluid | | | |
| Pump Type | End Suction Slurry | End Suction Slurry | |
| Pump RPM | 1,780.00 | 1,780.00 | |
| Drive | Direct Drive | Direct Drive | |
| Kinematic Viscosity (cST) | 01.00 | 01.00 | |
| Specific Gravity | 01.00 | 01.00 | |
| Stages | 01.00 | 01.00 | |
| Fixed specifc speed? | Yes | Yes | |
| Motor | | | |
| Line Frequency | 60 Hz | 60 Hz | |
| Horse Power | 200.00 hp | 200.00 | |
| Motor (RPM) | 1,780.00 | 1,780.00 | |
| Efficiency Class | Energy Efficient | Energy Efficient | |
| Voltage | 460.00 | 460.00 | |
| Full-Load Amps | 225.80 | 225.80 | |
| Size Margin | 00.00 | 00.00 | |
| Field Data | | | |
| Operating Fraction | 01.00 | 01.00 | |
| Cost (kW/hr) | 00.06 | 00.06 | |
| Flow Rate (gpm) | 100.00 | 1,500.00 | |
| Head (ft) | 277.00 | 277.00 | |
| Load Estimated Method | Power | Power | |
| Motor Power (kW) | 100.00 | 100.00 | |
| Voltage | 460.00 | 460.00 | |

Plant B / Pump 2

Baseline 203 %

OPTIMIZATION RATING

-\$234,532.24

Cheaper Cost 203 %

OPTIMIZATION RATING

-\$234,532.24

ANNUAL SAVINGS POTENTIAL ANNUAL SAVINGS POTENTIAL ANNUAL SAVINGS POTENTIAL

Smaller Input

203 %

OPTIMIZATION RATING

-\$234,532.24

Bigger Motor 203 %

OPTIMIZATION RATING

-\$234,532.24

Less Flow 203 %

OPTIMIZATION RATING

-\$234,532.24

ANNUAL SAVINGS POTENTIAL | ANNUAL SAVINGS POTENTIAL

| | Existing | Optimal | Cheaper Cost | Smaller Input | Bigger Motor | Less Flow |
|------------------------|------------|------------|--------------|---------------|--------------|------------|
| Pump efficiency (%) | 178.75 | 85.80 | 178.75 | 178.75 | 178.75 | 178.75 |
| Motor rated power (hp) | 200.00 | 14,000.00 | 200.00 | 200.00 | 200.00 | 200.00 |
| Motor shaft power (hp) | 482.88 | 1,006.04 | 482.88 | 482.88 | 482.88 | 482.88 |
| Pump shaft power (hp) | 482.88 | 1,006.04 | 482.88 | 482.88 | 482.88 | 482.88 |
| Motor efficiency (%) | 83.39 | 85.43 | 83.39 | 83.39 | 83.39 | 83.39 |
| Motor power factor (%) | 91.49 | 25.87 | 91.49 | 91.49 | 91.49 | 91.49 |
| Motor current (amps) | 592.66 | 4,260.89 | 592.66 | 592.66 | 592.66 | 592.66 |
| Motor power (hp) | 432.00 | 878.22 | 432.00 | 432.00 | 432.00 | 432.00 |
| Annual Energy (MWh) | 3,784.32 | 7,693.19 | 3,784.32 | 3,784.32 | 3,784.32 | 3,784.32 |
| Annual Cost | 227,059.20 | 461,591.44 | 227,059.20 | 227,059.20 | 227,059.20 | 227,059.20 |

| | Baseline | Cheaper Cost | Smaller Input | Bigger Motor | Less Flow |
|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Pump & Fluid | | | | | |
| Pump Type | End Suction Slurry |
| Pump RPM | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive | Direct Drive |
| Kinematic Viscosity (cST) | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Specific Gravity | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Stages | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Fixed specifc speed? | Yes | Yes | Yes | Yes | Yes |
| Motor | | | | | |
| Line Frequency | 60 Hz |
| Horse Power | 200.00 hp | 200.00 | 200.00 | 200.00 | 200.00 |
| Motor (RPM) | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 | 1,780.00 |
| Efficiency Class | Energy Efficient |
| Voltage | 460.00 | 460.00 | 460.00 | 460.00 | 460.00 |
| Full-Load Amps | 225.80 | 225.80 | 225.80 | 225.80 | 225.80 |
| Size Margin | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| Field Data | | | | | |
| Operating Fraction | 01.00 | 01.00 | 01.00 | 01.00 | 01.00 |
| Cost (kW/hr) | 00.06 | 00.06 | 00.06 | 00.06 | 00.06 |
| Flow Rate (gpm) | 12,344.00 | 12,344.00 | 12,344.00 | 12,344.00 | 12,344.00 |
| Head (ft) | 277.00 | 277.00 | 277.00 | 277.00 | 277.00 |
| Load Estimated Method | Power | Power | Power | Power | Power |
| Motor Power (kW) | 432.00 | 432.00 | 432.00 | 432.00 | 432.00 |
| Voltage | 460.00 | 460.00 | 460.00 | 460.00 | 460.00 |