

Rated Capacity  
Q: 300 - 1500 GPM  
H: 6/3 - 15/6 BAR



## HORIZONTAL SPLIT CASE FIRE PUMP

[www.SABATAM.com](http://www.SABATAM.com)

**021-22855818**



**SABA TAM**  
SANAAT

شرکت مهندسی صبا تام صنعت



## General Data:

- ▶ Split case fire pumps are specified when the source of water is located above the surface of the ground and provides a positive suction pressure to the pump at any performance point.
- ▶ Certified by Underwriters Laboratories (UL), Al Khoory fire pumps are engineered for reliable operation and built per the rigid standards of NFPA 20.
- ▶ Available in a broad range of operating pressures and flows from a minimum of 300 US GPM to 1500 USGPM
- ▶ Every fire pump is tested for its rated performance under Positive Suction Pressure as per NFPA 20 and provided with factory Certified Test report.
- ▶ All pumps are hydrostatically tested in the factory as per NFPA 20 at no less than 250 psi.
- ▶ Suitable to be used with electric motor and diesel engine drives
- ▶ Applicable For Residential, Commercial, and Industrial Use

# UL listed Horizontal Split case fire pumps

## PUMP FEATURES:

### ► Pump casing:

The casing is axially split, which permits removal of the complete rotor assembly without moving either the piping or motor thus providing ease of maintenance. Replaceable wear rings protect the casing at the impeller running clearances.

### ► Impeller:

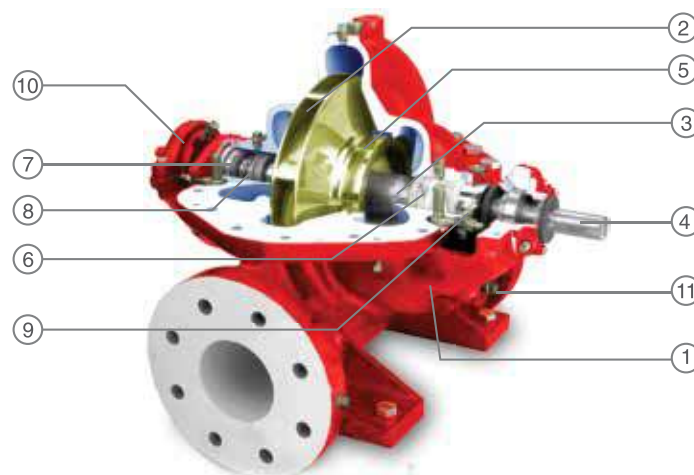
The enclosed impeller have double curved vanes. The double suction design gives practically zero axial forces balancing hydraulic thrust loads. Each impeller is dynamically balanced to G6.3 balance quality grade.

### ► Bearings:

Deep groove grease lubricated ball bearings selected for 5,000 hour minimum life at maximum load.

### ► Shaft Seal:

Interwoven, Graphite Impregnated T.F.E. diagonally cut packing rings seal the pump shaft



## Material of Construction:

| Part No | Part Name       | Material             |
|---------|-----------------|----------------------|
| 1       | Casing          | Ductile Iron         |
| 2       | Impeller        | Bronze               |
| 3       | Shaft Sleeve    | SS 304               |
| 4       | Shaft           | All0y Steel          |
| 5       | Wear Ring       | Bronze/SS 304        |
| 6       | Stuffing Box    | Ductile Iron         |
| 7       | Gland Packing   | Graphite Impregnated |
| 8       | Lantern Ring    | SS 304               |
| 9       | Packing Gland   | SS 304               |
| 10      | Bearing Housing | Cast Iron            |

\*AKC -125-300 comes with SS 304 impeller

# UL listed Horizontal Split case fire pumps

## Selection Data-Electric & Diesel Fire Pumps

### RATED CAPACITY-300USGPM

| SL NO | PUMP MODEL | UL LISTED PRESSURE (PSI) | RATED SPEED | SUCTION INLET DIA (INCH) | DISCHARGE INLET DIA(INCH) | STAGES |
|-------|------------|--------------------------|-------------|--------------------------|---------------------------|--------|
| 1     | AKH-80-270 | 94-152                   | 2900        | 5                        | 3                         | 1      |

### RATED CAPACITY-500USGPM

| SL NO | PUMP MODEL  | UL LISTED PRESSURE (PSI) | RATED SPEED | SUCTION INLET DIA (INCH) | DISCHARGE INLET DIA(INCH) | STAGES |
|-------|-------------|--------------------------|-------------|--------------------------|---------------------------|--------|
| 1     | AKH 80-270  | 90-150                   | 2900        | 5                        | 3                         | 1      |
| 2     | AKC-100-320 | 108 - 224                | 2950        | 6                        | 4                         | 1      |

### RATED CAPACITY-750USGPM

| SL NO | PUMP MODEL  | UL LISTED PRESSURE (PSI) | RATED SPEED | SUCTION INLET DIA (INCH) | DISCHARGE INLET DIA(INCH) | STAGES |
|-------|-------------|--------------------------|-------------|--------------------------|---------------------------|--------|
| 1     | AKC-100-320 | 101-224                  | 2950        | 6                        | 4                         | 1      |

### RATED CAPACITY-1000USGPM

| SL NO | PUMP MODEL  | UL LISTED PRESSURE (PSI) | RATED SPEED | SUCTION INLET DIA (INCH) | DISCHARGE INLET DIA(INCH) | STAGES |
|-------|-------------|--------------------------|-------------|--------------------------|---------------------------|--------|
| 1     | AKC-100-320 | 93-218                   | 2950        | 6                        | 4                         | 1      |
| 2     | AKC-125-380 | 148-231                  | 2900        | 8                        | 5                         | 1      |

### RATED CAPACITY-1250USGPM

| SL NO | PUMP MODEL  | UL LISTED PRESSURE (PSI) | RATED SPEED | SUCTION INLET DIA (INCH) | DISCHARGE INLET DIA(INCH) | STAGES |
|-------|-------------|--------------------------|-------------|--------------------------|---------------------------|--------|
| 1     | AKC-125-300 | 108 -177                 | 2950        | 8                        | 5                         | 1      |
| 1     | AKC-125-380 | 144-231                  | 2900        | 8                        | 5                         | 1      |

### RATED CAPACITY-1500USGPM

| SL NO | PUMP MODEL  | UL LISTED PRESSURE (PSI) | RATED SPEED | SUCTION INLET DIA (INCH) | DISCHARGE INLET DIA(INCH) | STAGES |
|-------|-------------|--------------------------|-------------|--------------------------|---------------------------|--------|
| 1     | AKC-125-300 | 102-173                  | 2950        | 8                        | 5                         | 1      |
| 1     | AKC-125-380 | 138-230                  | 2900        | 8                        | 5                         | 1      |

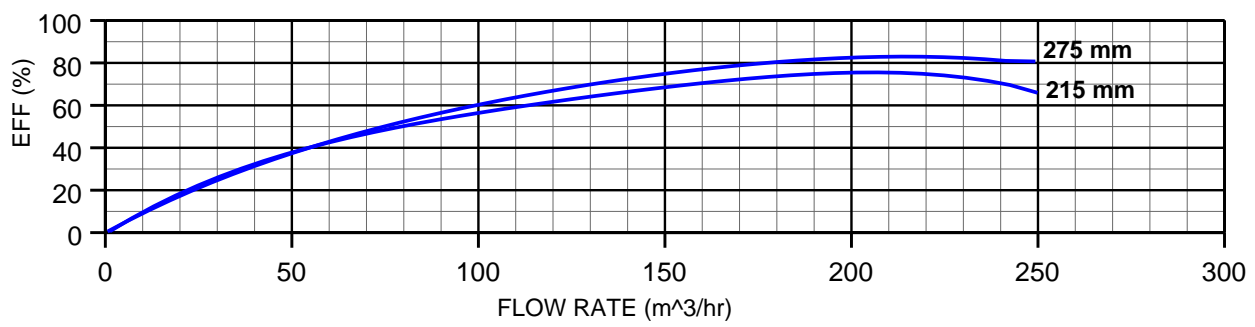
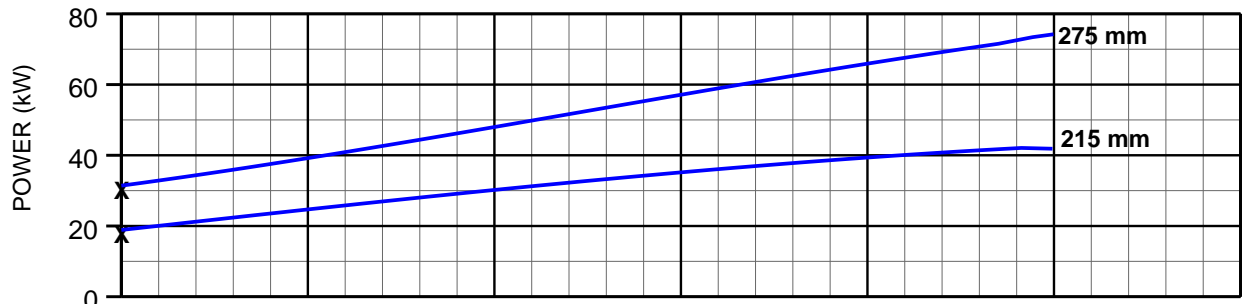
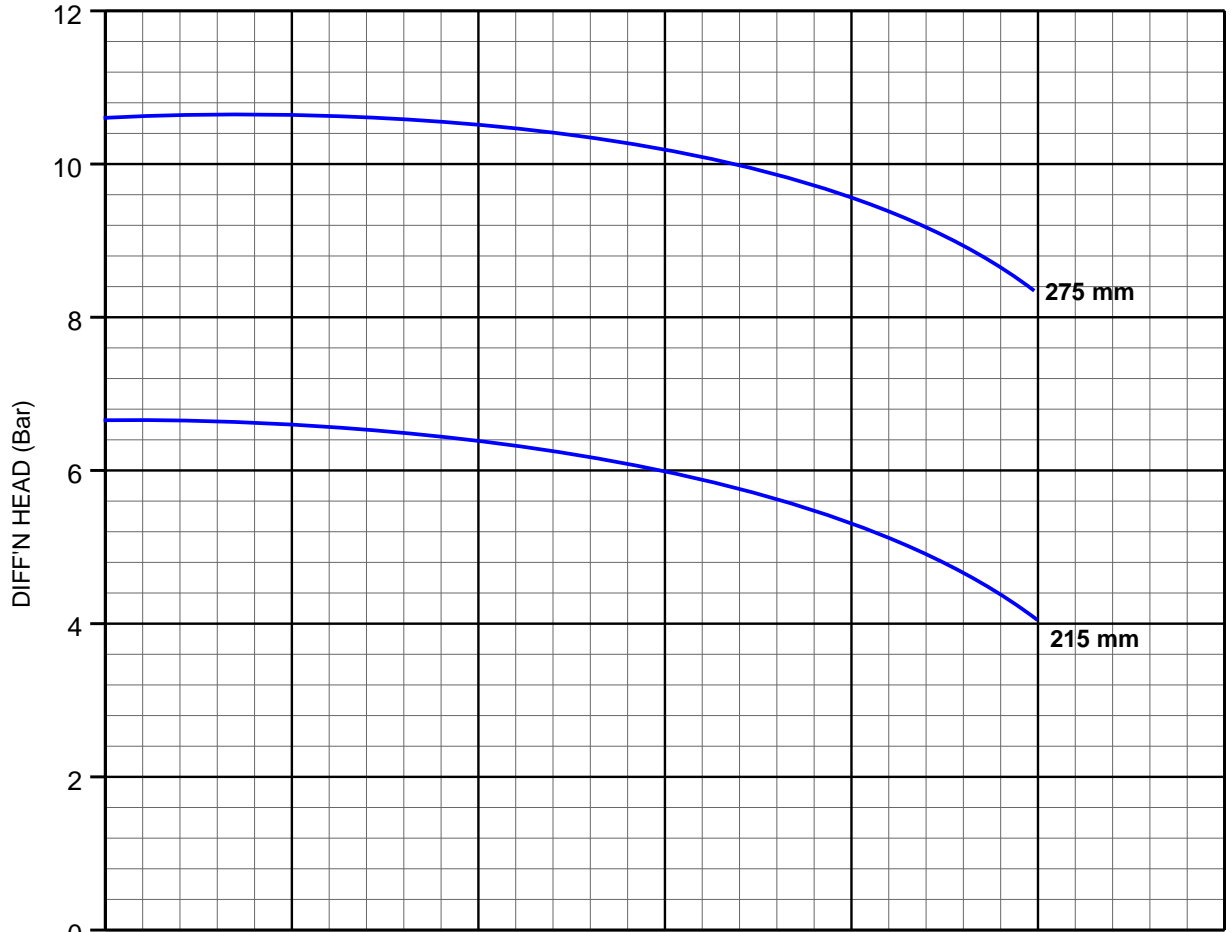
# 50 HZ - Electric Fire Pump



|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 300 US GPM

Rated Net Pressure: 94 - 152 psi



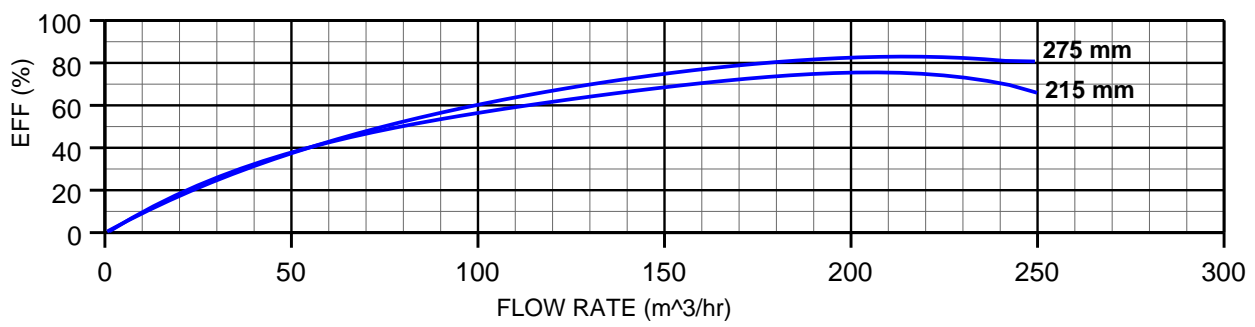
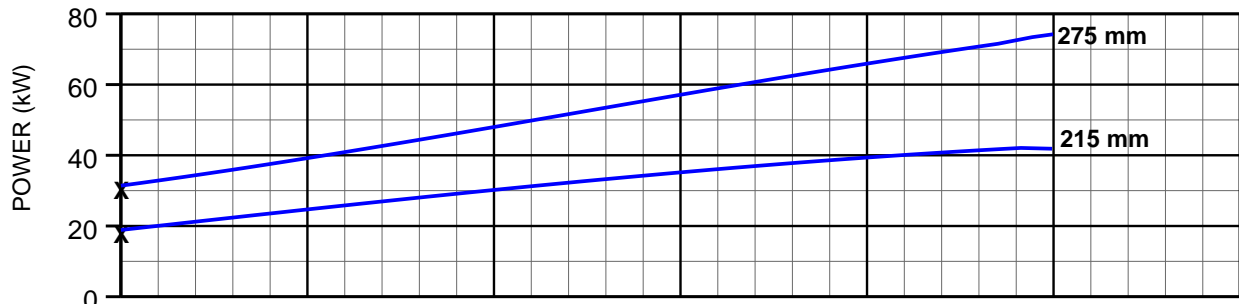
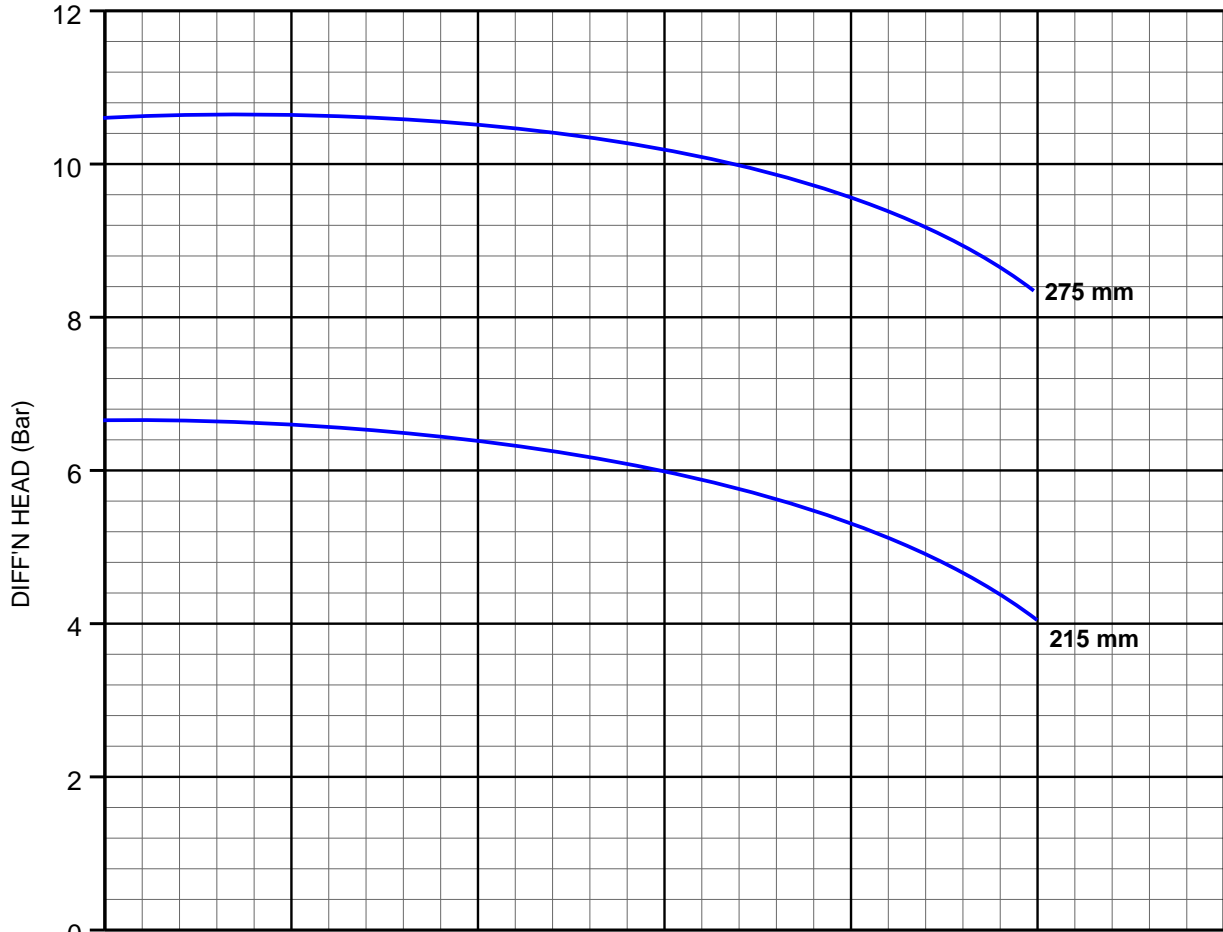
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| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 500 US GPM

Rated Net Pressure: 90 - 150 psi



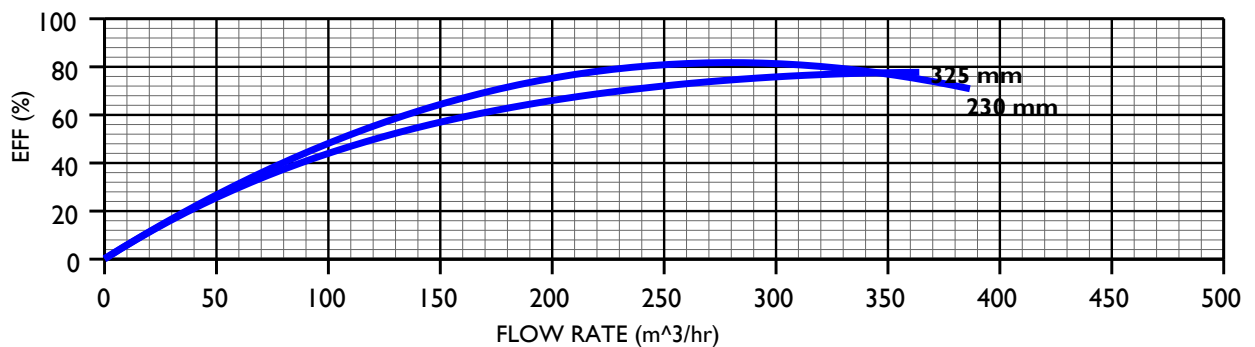
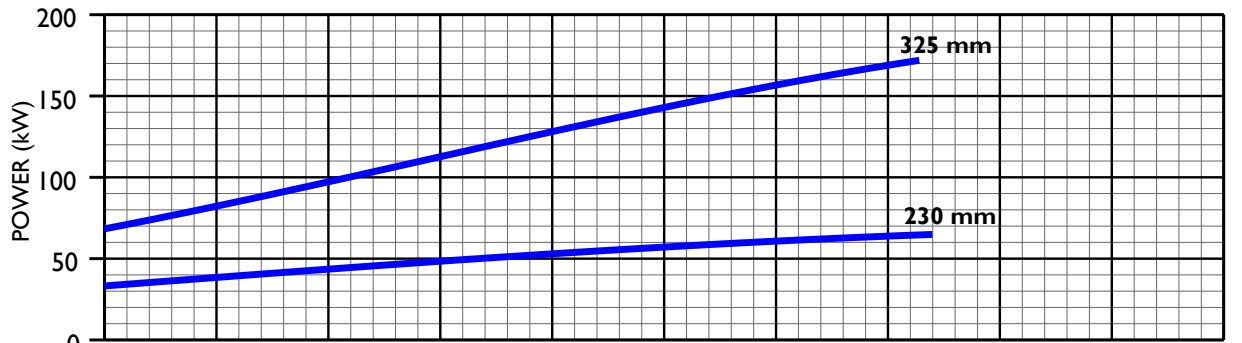
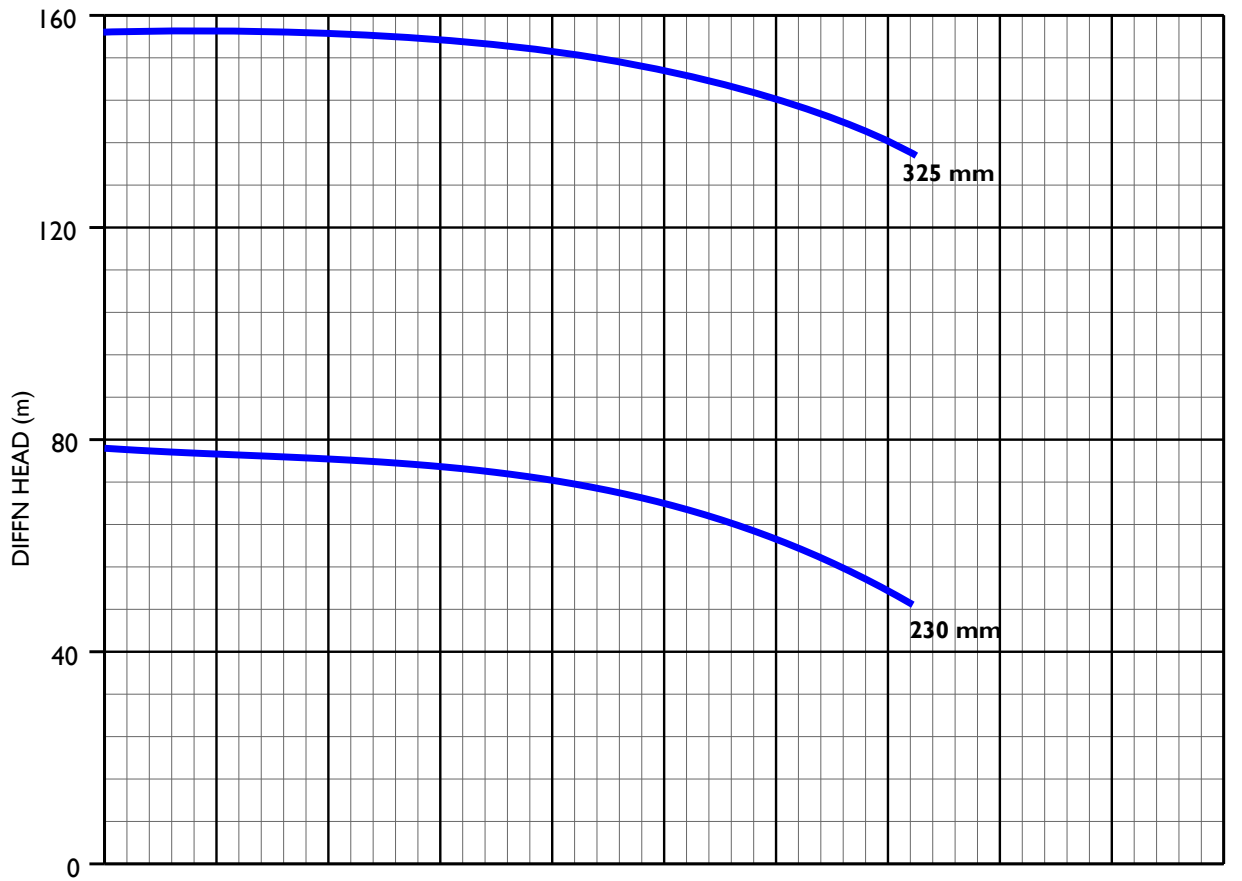
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 500 US GPM

Rated Net Pressure: 108 - 224 psi



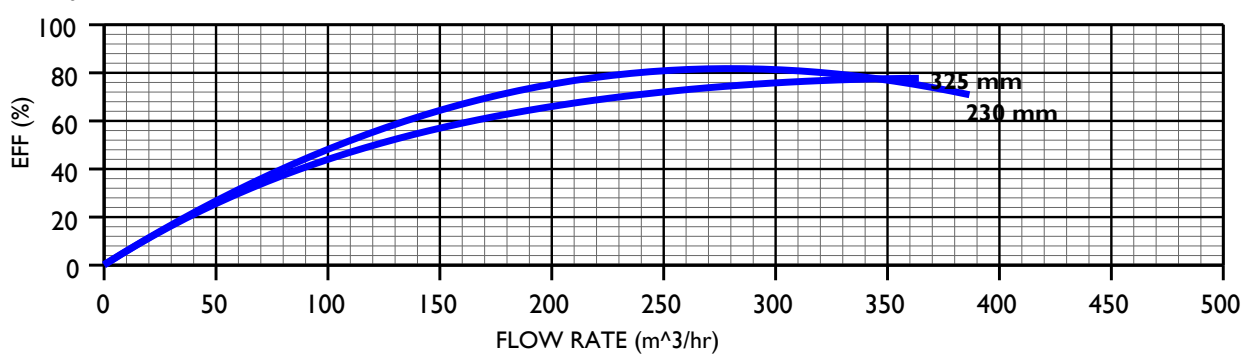
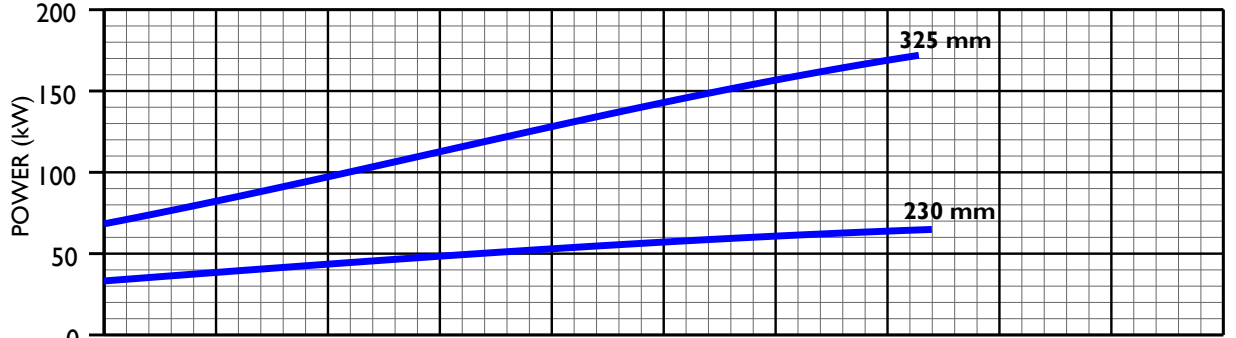
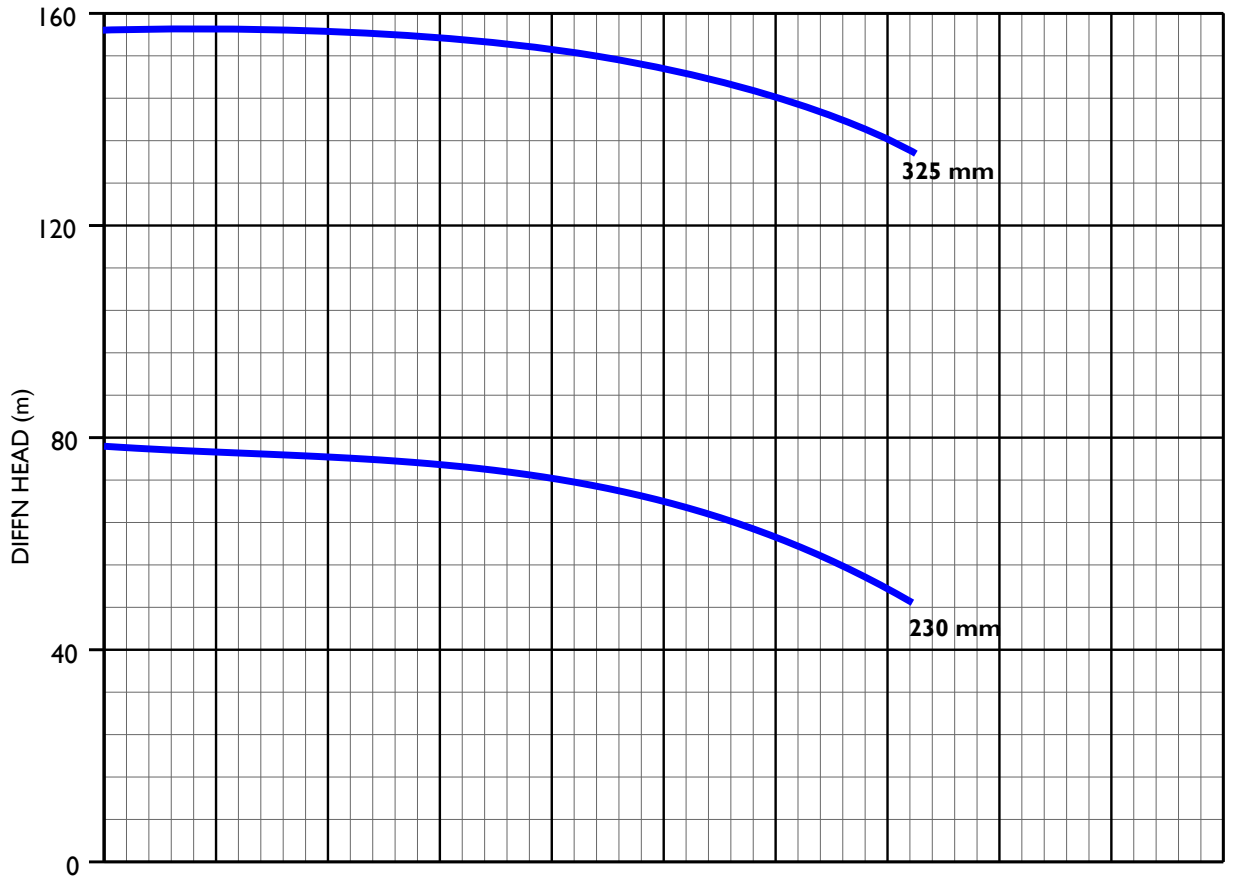
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| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 750 US GPM

Rated Net Pressure: 101 - 224 psi





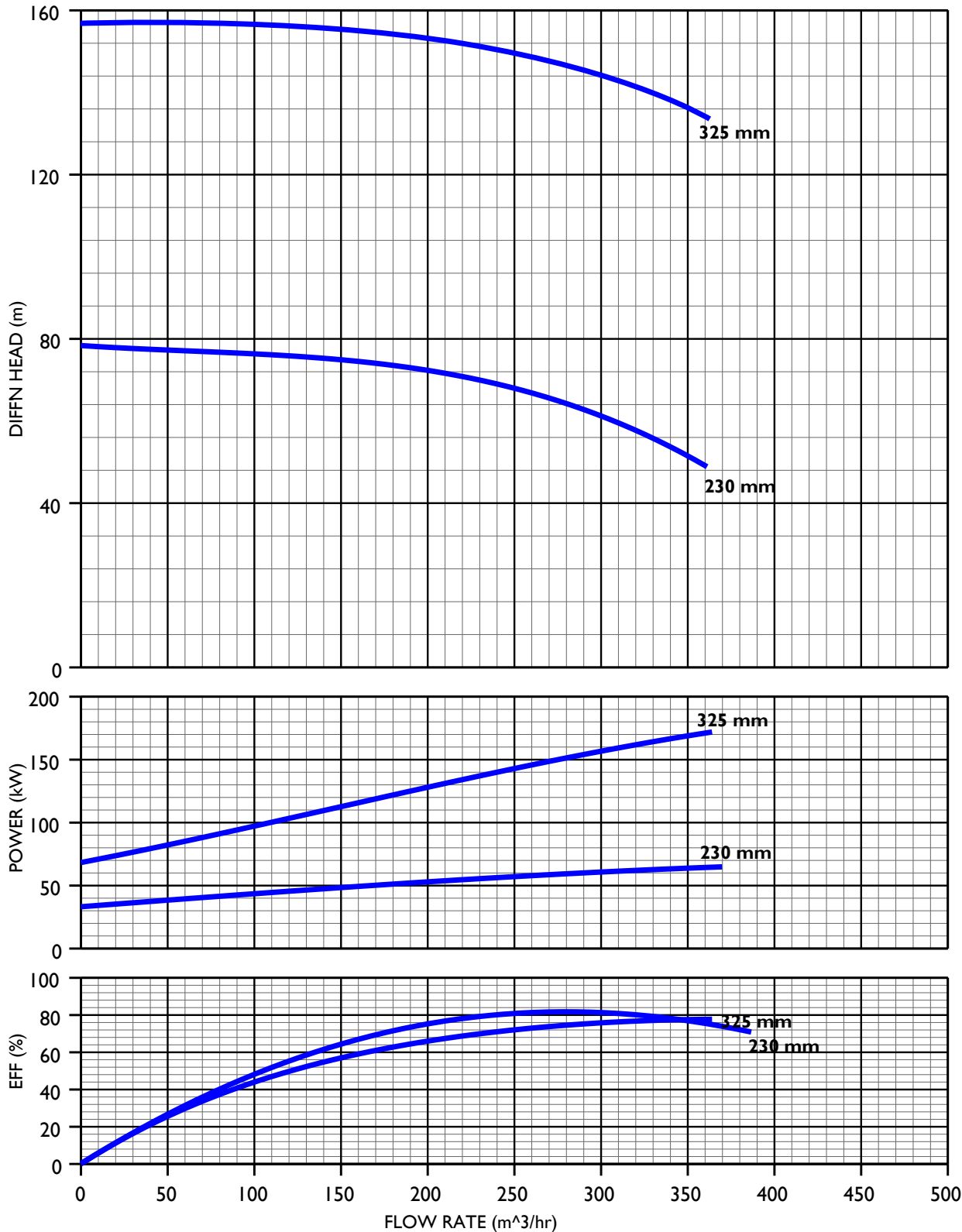
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1000 US GPM

Rated Net Pressure: 93 - 218 psi



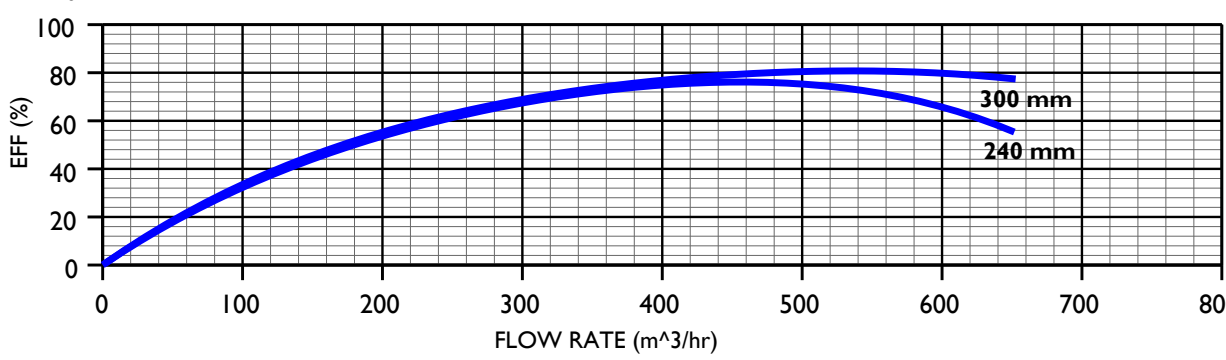
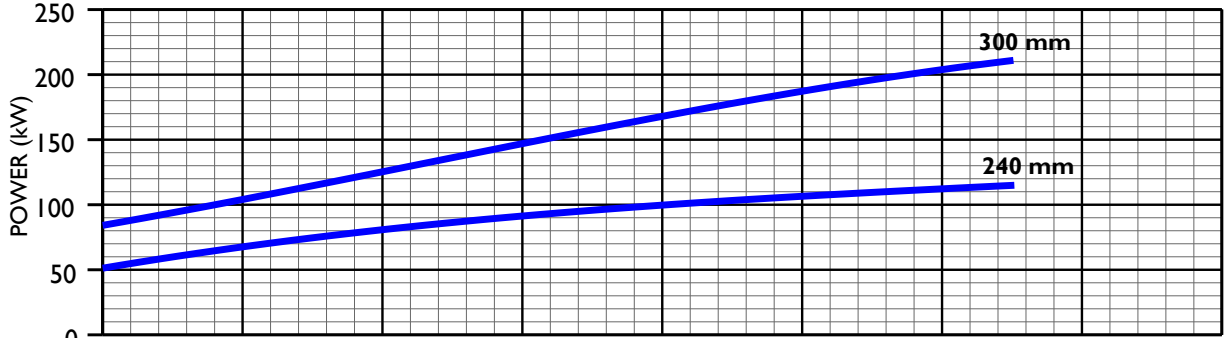
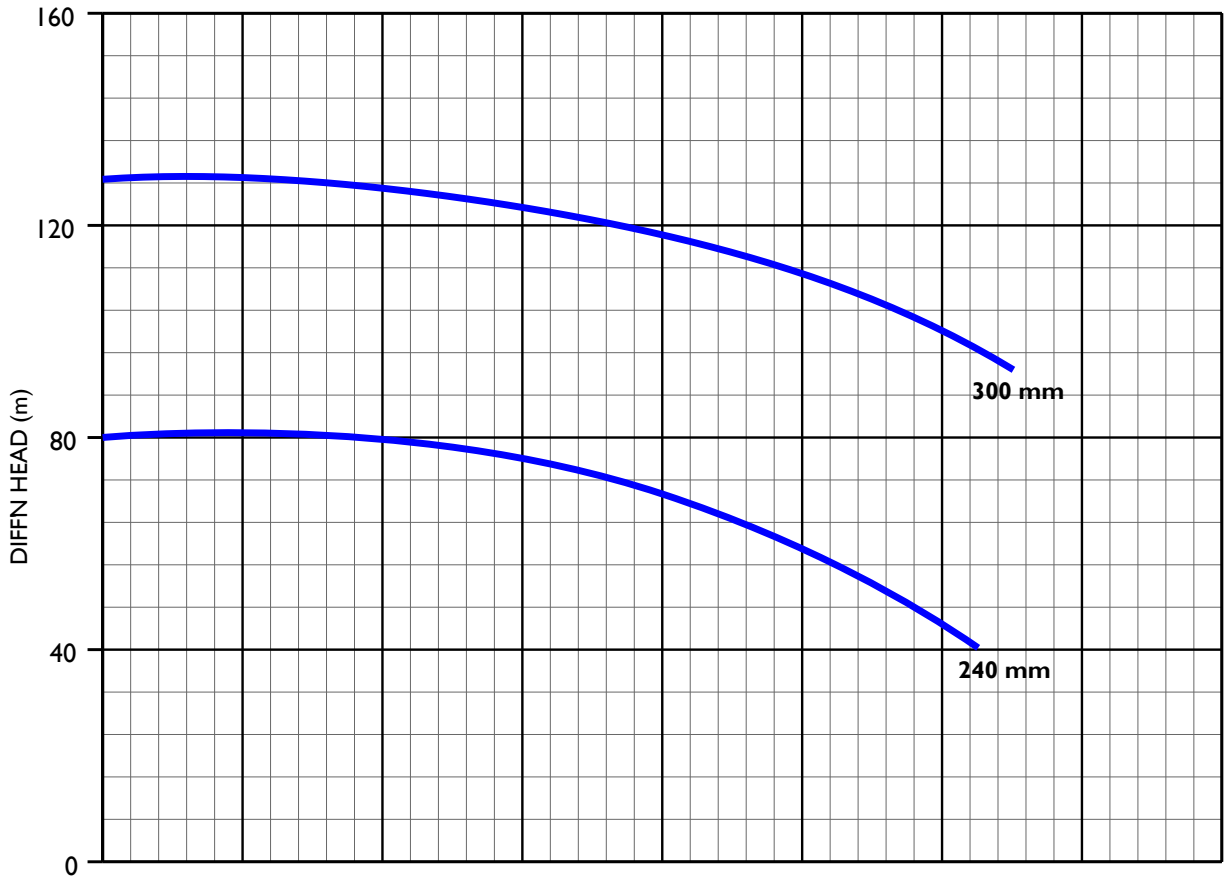
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -300 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1250 US GPM

Rated Net Pressure: 108 - 177 psi



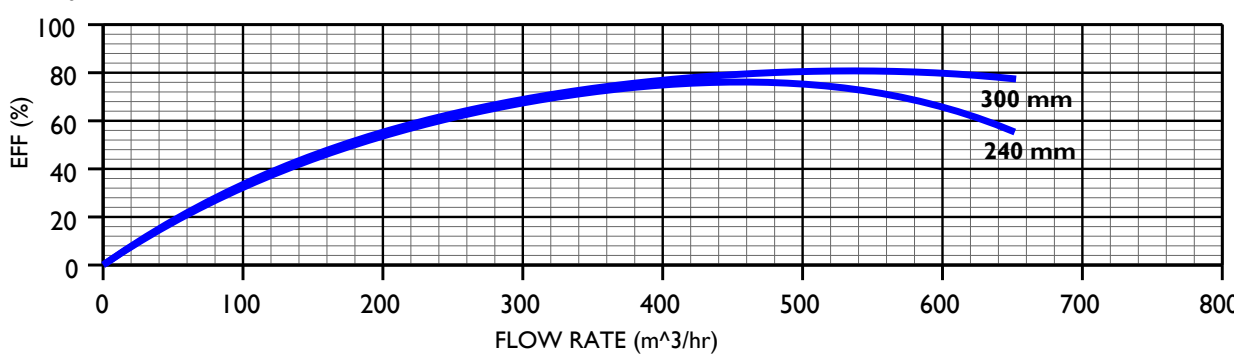
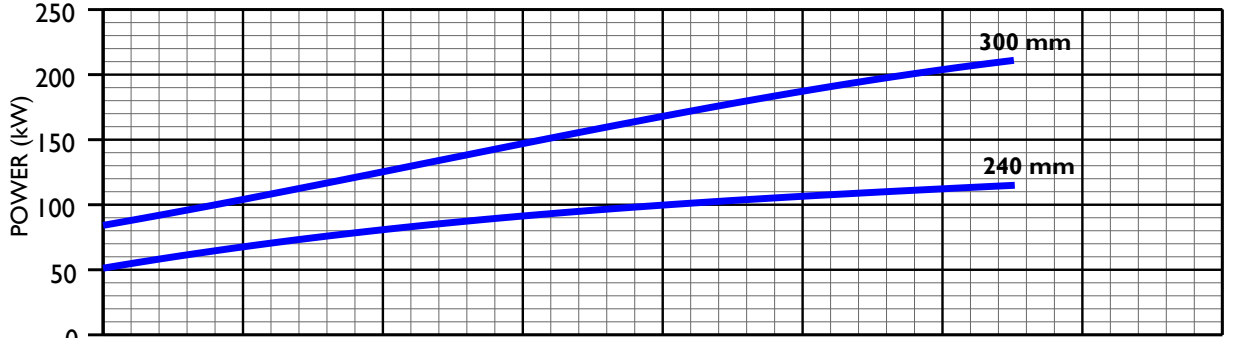
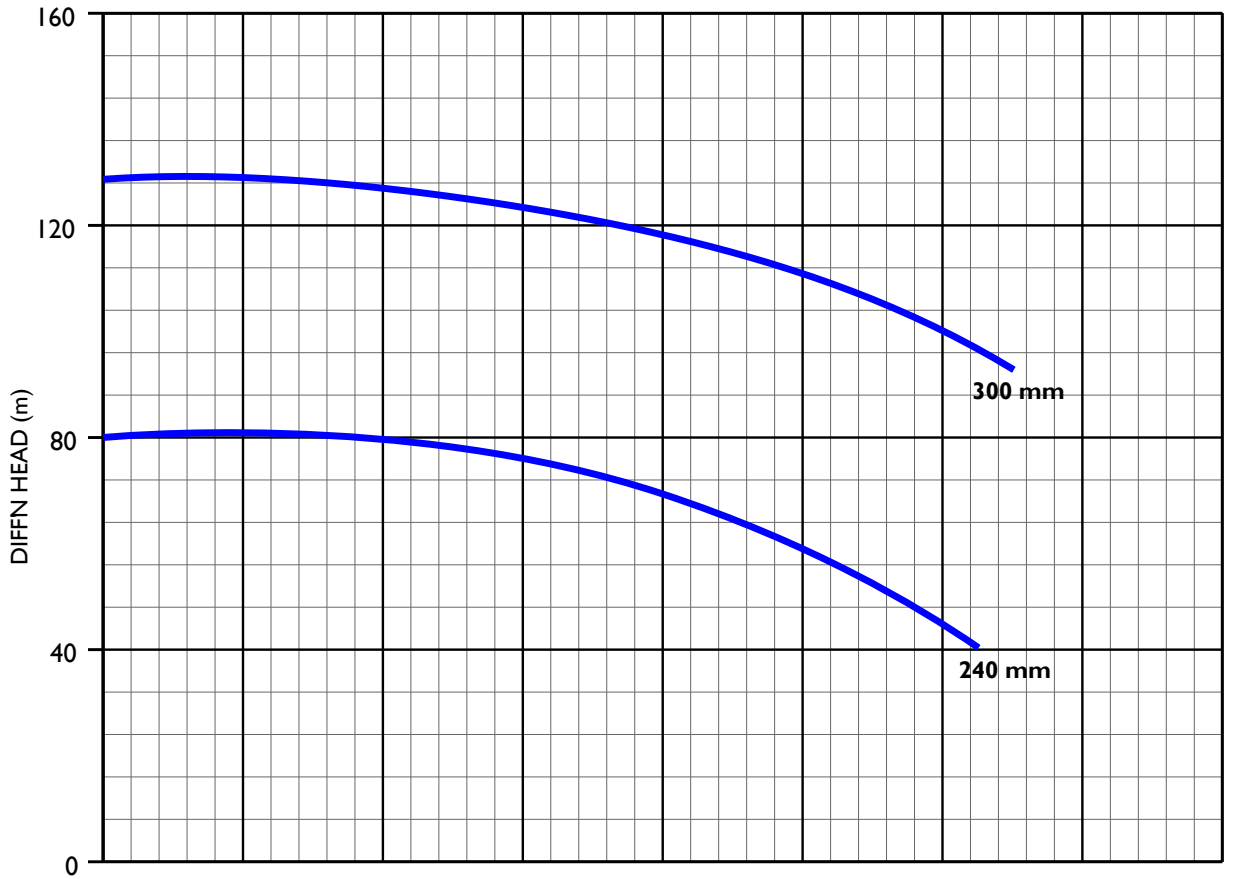
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -300 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1500 US GPM

Rated Net Pressure: 102 - 173 psi



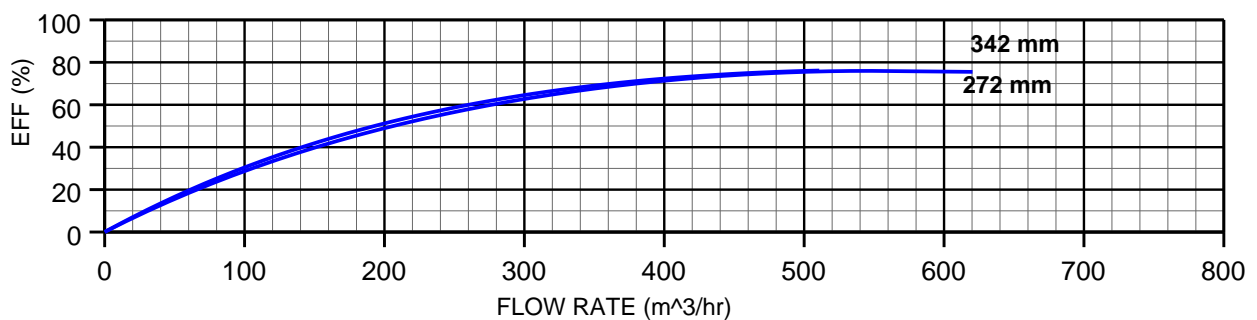
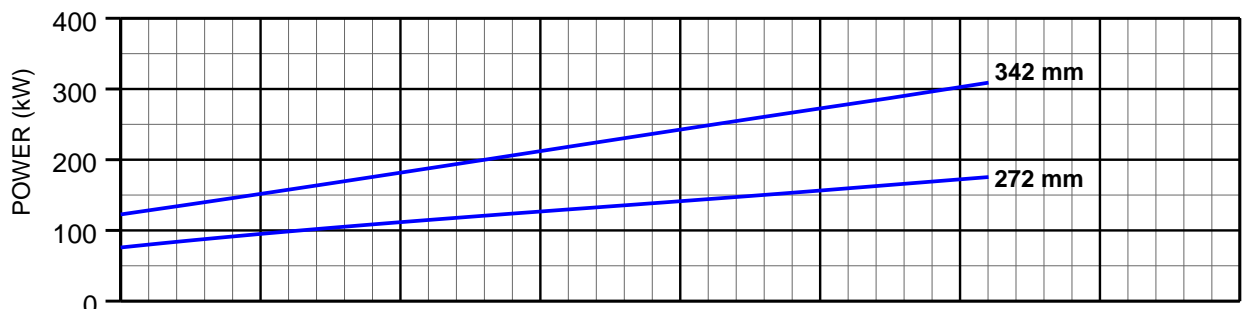
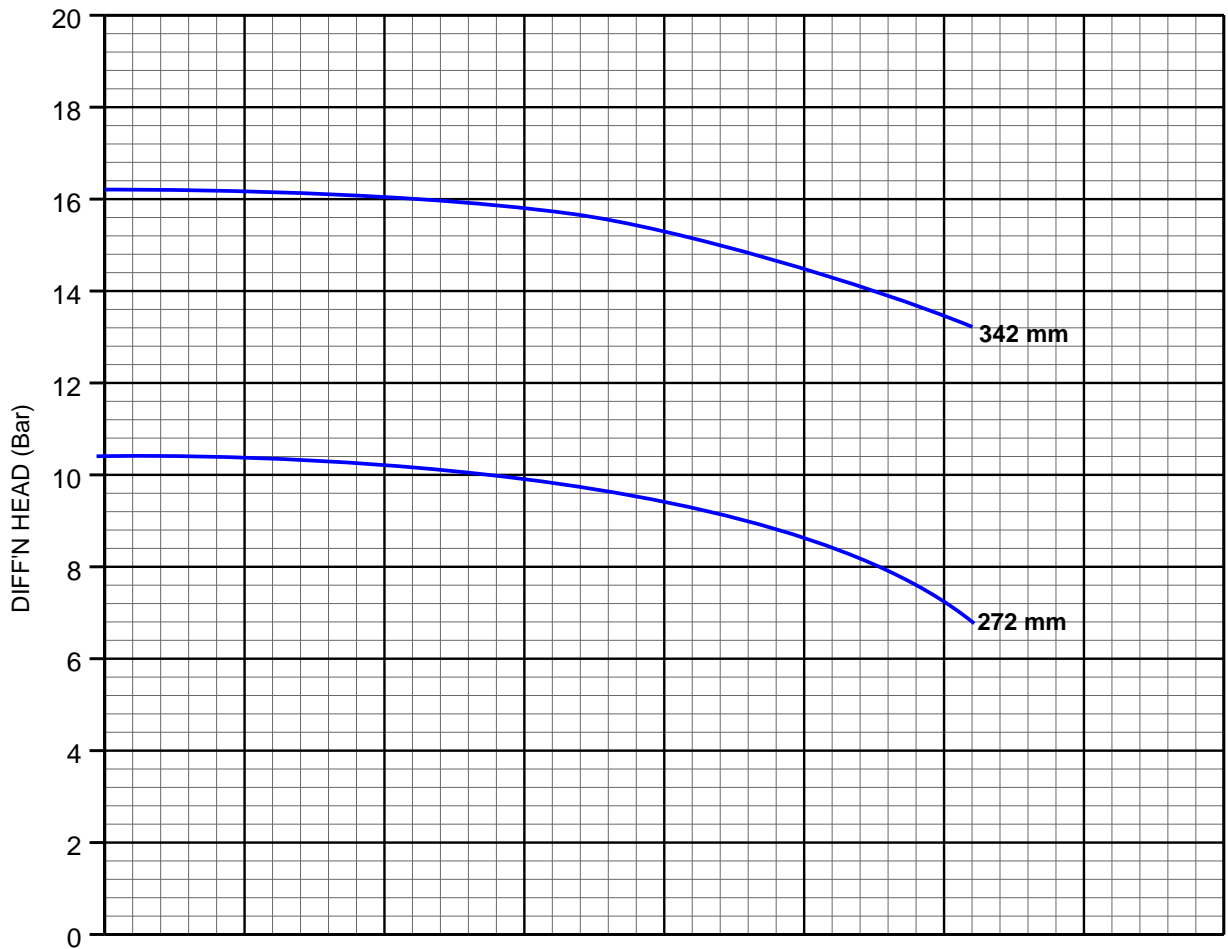
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1000 US GPM

Rated Net Pressure: 148 - 231 psi



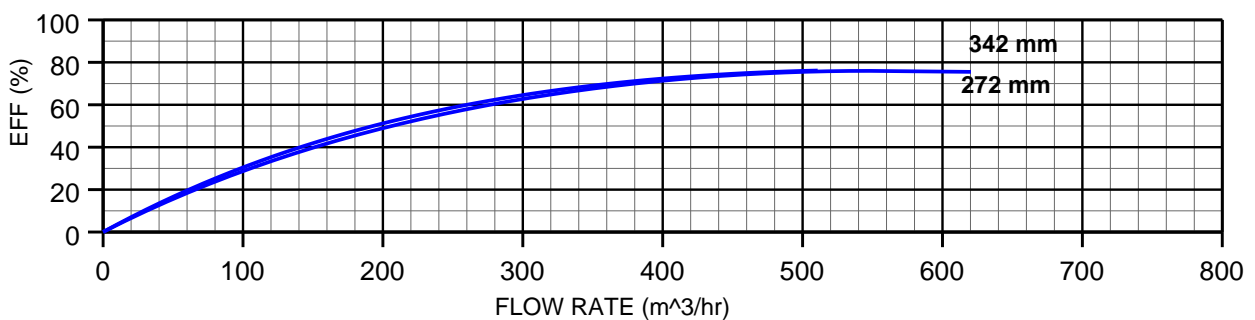
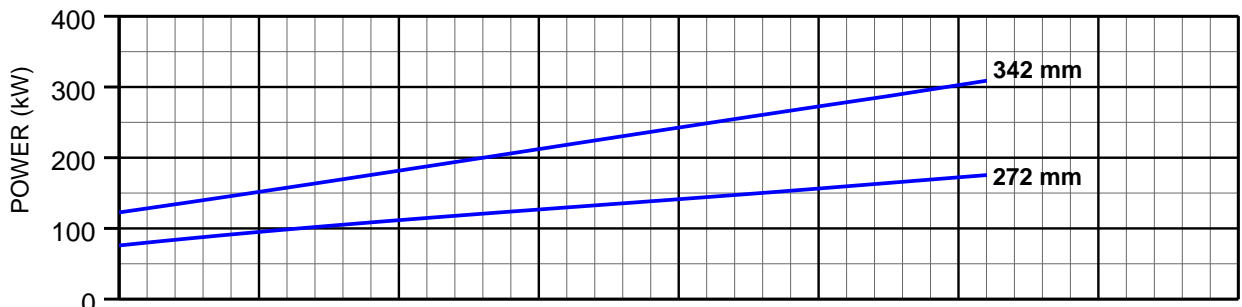
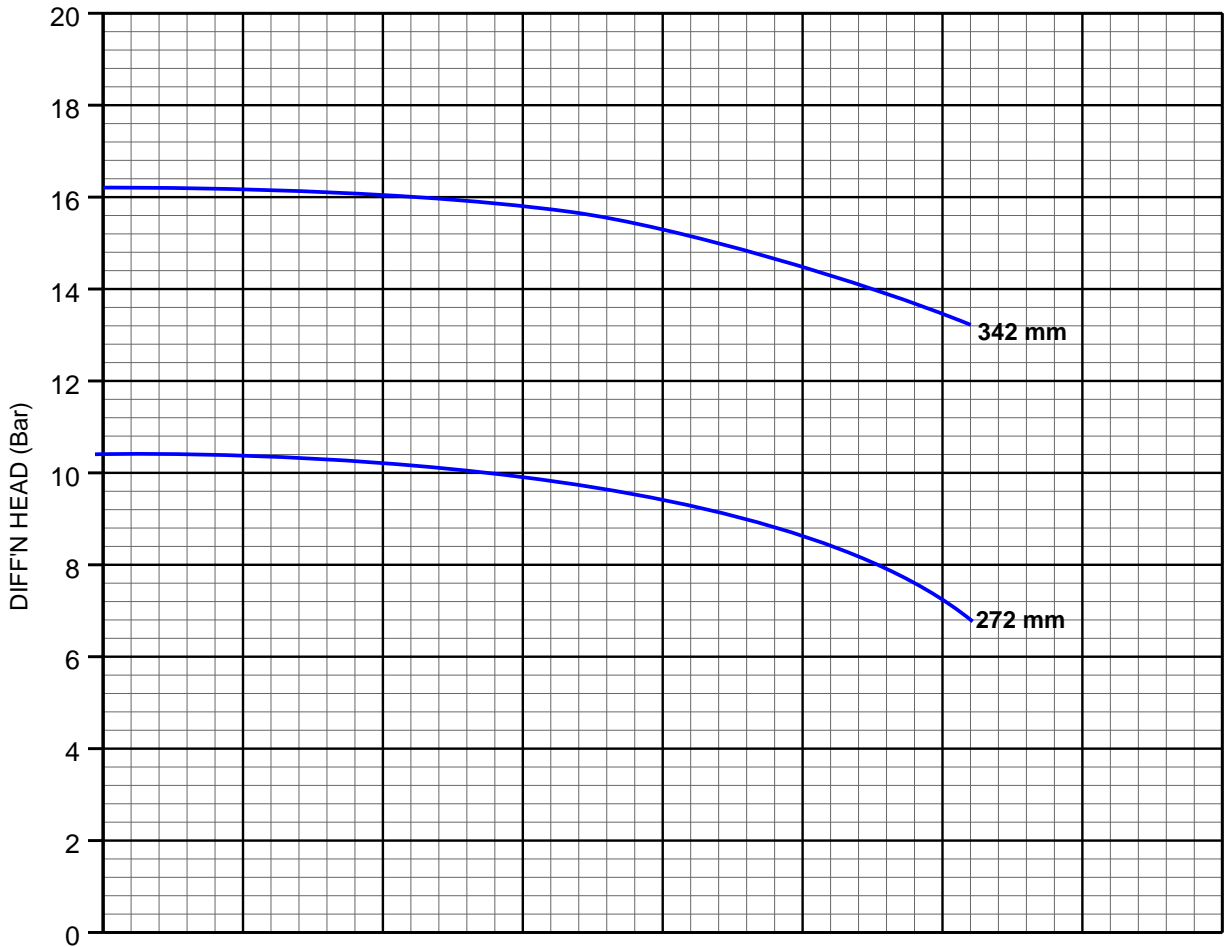
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1250 US GPM

Rated Net Pressure: 144 - 231 psi



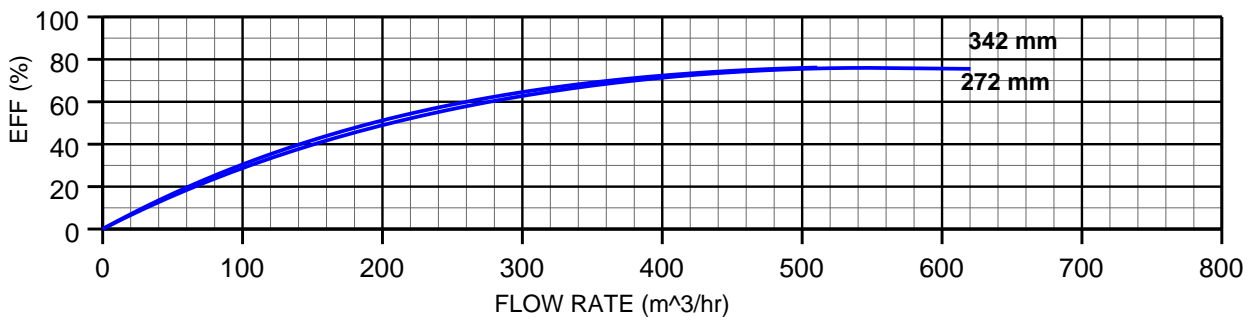
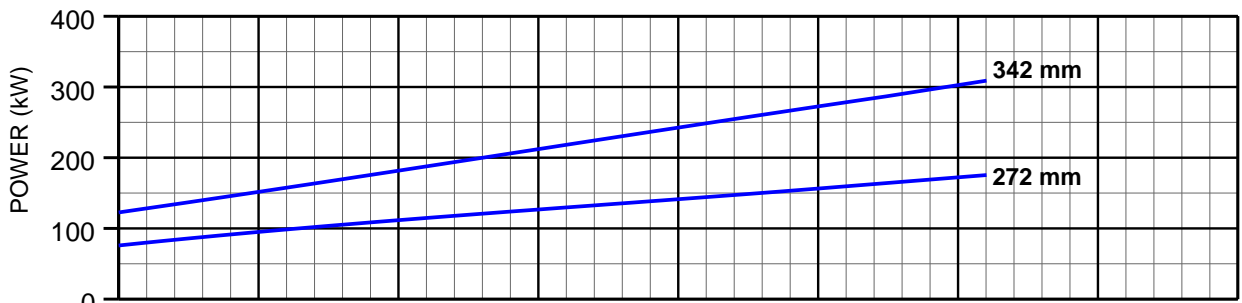
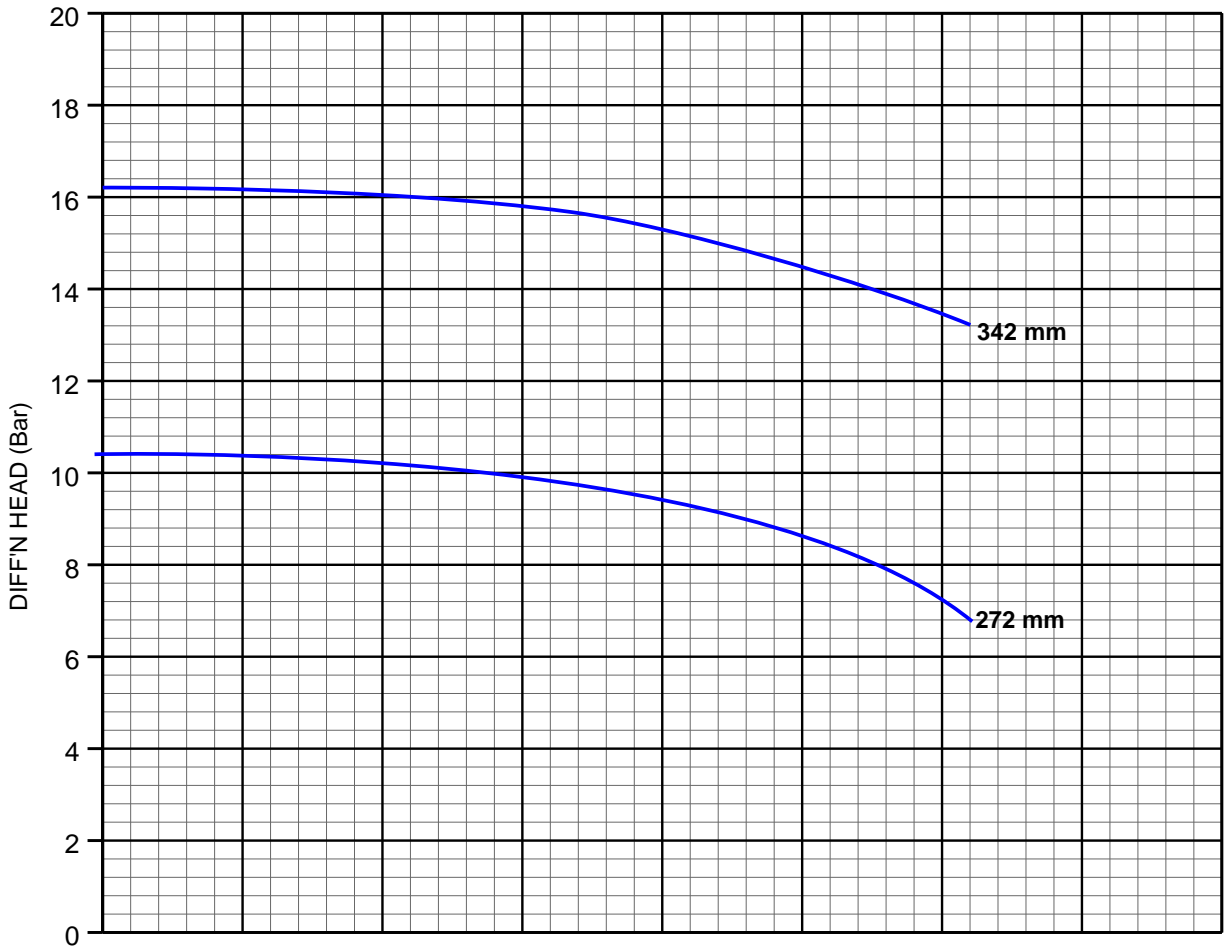
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

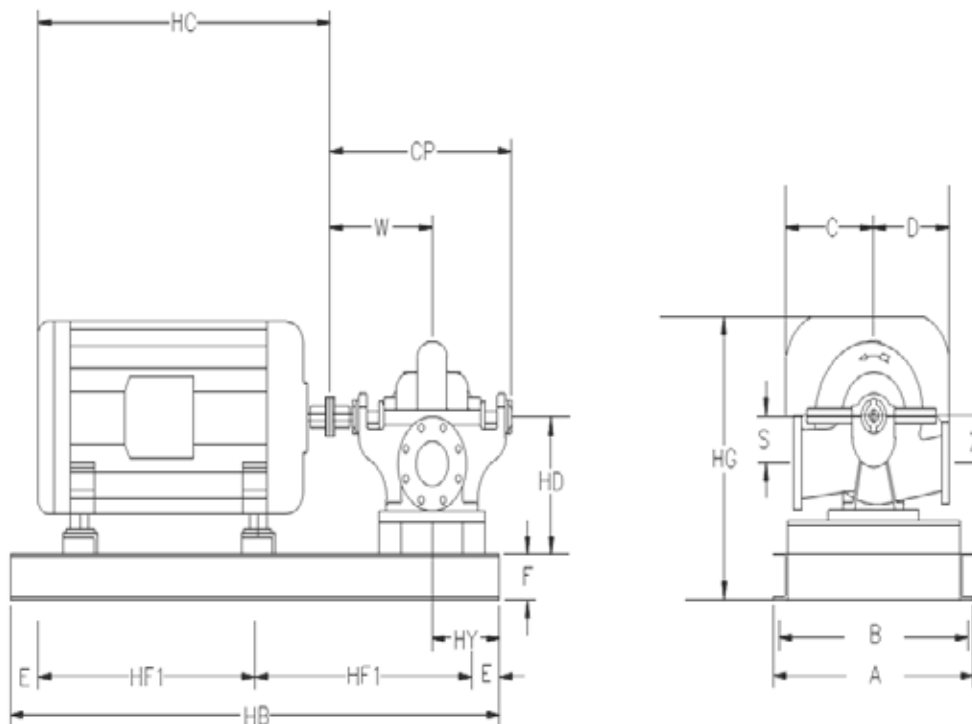
Rated Flow: 1500 US GPM

Rated Net Pressure: 138 - 230 psi



# UL listed Horizontal Split case fire pumps

## Electrical Fire Pump Dimensional Data



| PUMP MODEL  | MOTOR FRAME | SUCTION (in) | DISCHARGE (in) | REFER |
|-------------|-------------|--------------|----------------|-------|
| AKH 80-270  | 326/5TS     | 5            | 3              | A     |
|             | 364/5TS     | 5            | 3              | A     |
|             | 404/5TS     | 5            | 3              | B     |
| AKC 100-320 | 404/5TS     | 6            | 4              | C     |
|             | 444/5TS     | 6            | 4              | D     |
| AKC 125-300 | 444/5TS     | 8            | 5              | E     |
| AKC 125-380 | 444/5TS     | 8            | 5              | F     |

| REFER | S (cm) | Z (cm) | F (cm) | A (cm) | B (cm) | HB (cm) | HF1 (cm) | E (cm) | HY (cm) | HD (cm) | HG (cm) | HC (cm) |
|-------|--------|--------|--------|--------|--------|---------|----------|--------|---------|---------|---------|---------|
| A     | 14     | 14     | 13     | 75     | 68     | 170     | 65       | 20     | 33      | 45      | 90      | 170     |
| B     | 14     | 14     | 13     | 75     | 68     | 170     | 65       | 20     | 33      | 45      | 80      | 170     |
| C     | 17     | 17     | 13     | 75     | 68     | 170     | 65       | 20     | 35      | 48      | 80      | 170     |
| D     | 17     | 17     | 13     | 75     | 68     | 185     | 73       | 20     | 35      | 48      | 95      | 185     |
| E     | 19     | 19     | 13     | 90     | 83     | 190     | 75       | 20     | 40      | 53      | 95      | 190     |
| F     | 19     | 19     | 13     | 90     | 83     | 190     | 75       | 20     | 41      | 53      | 95      | 190     |

### NOTES

1. Pump's rotation is clockwise when viewed from the motor end.
2. Suction and discharge flanges are ASME 16.42 standard class 300.
3. Suction and discharge dimensions are in inches. All the other dimensions are in cm.

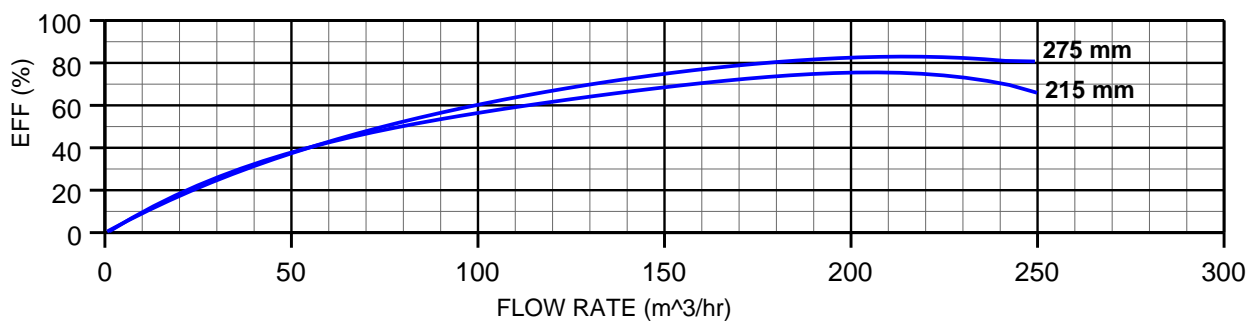
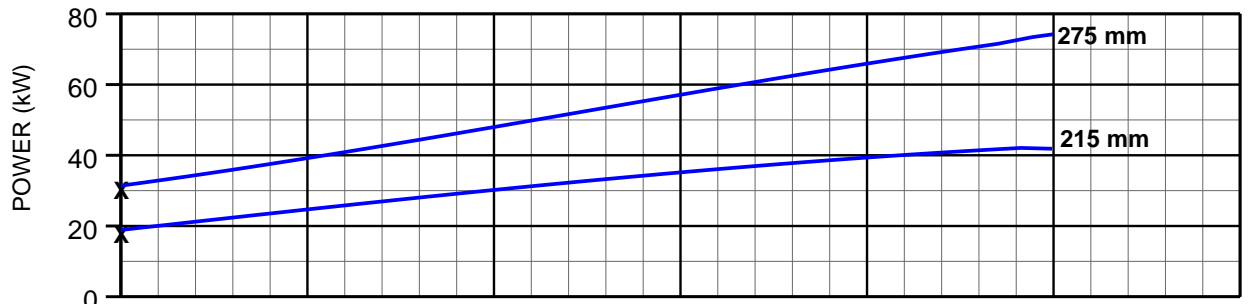
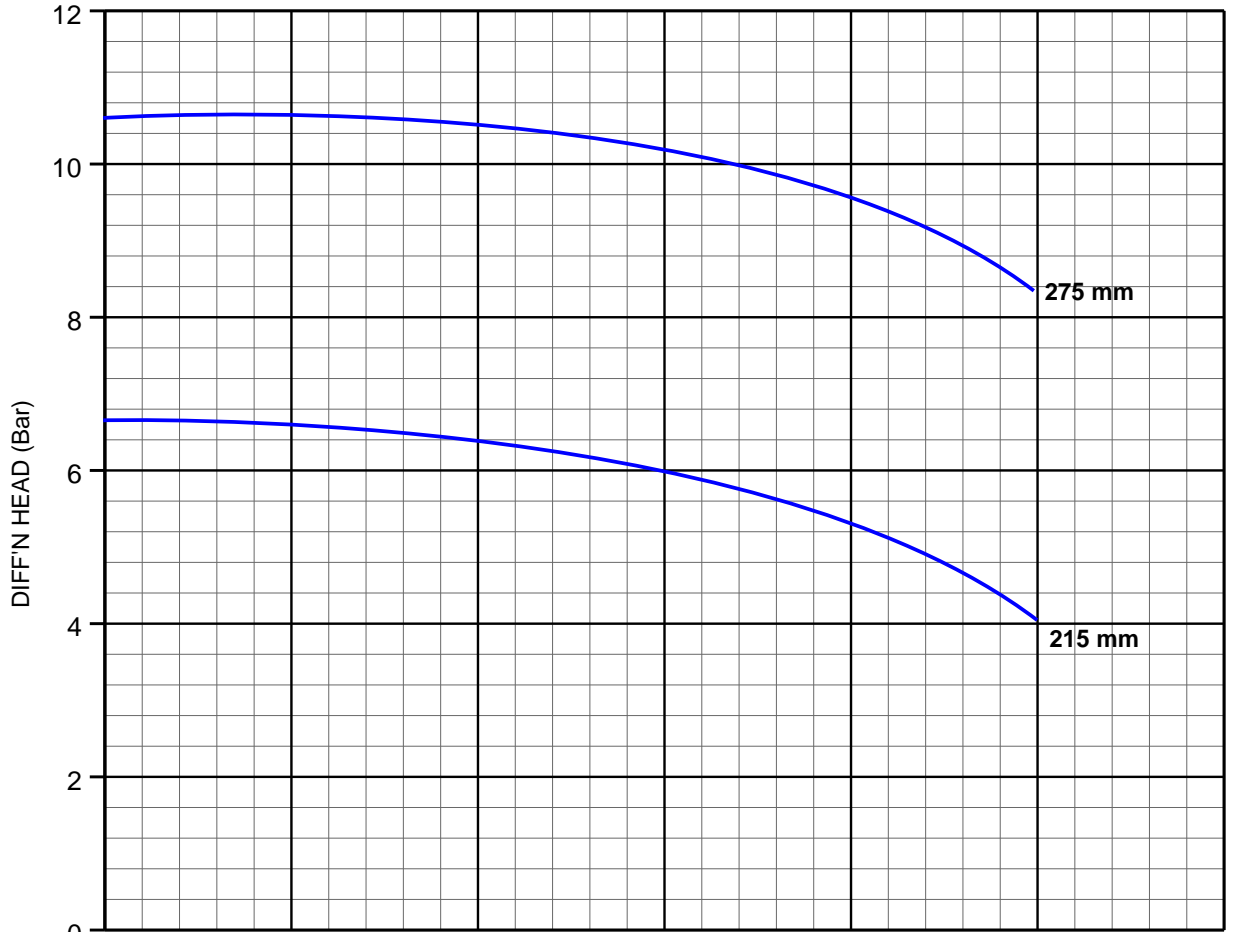
# Diesel Fire Pump



|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 300 US GPM

Rated Net Pressure: 94 - 152 psi





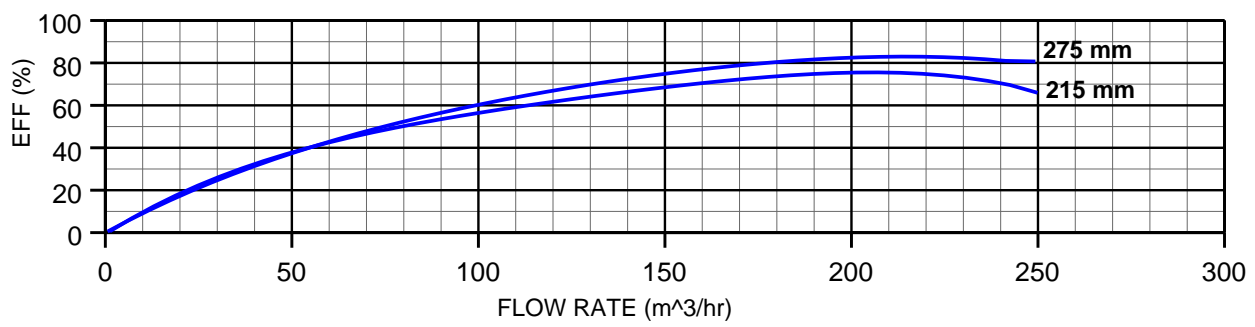
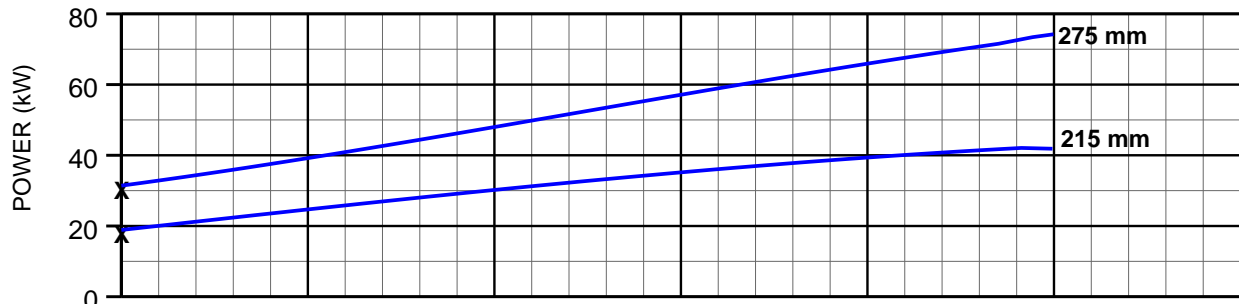
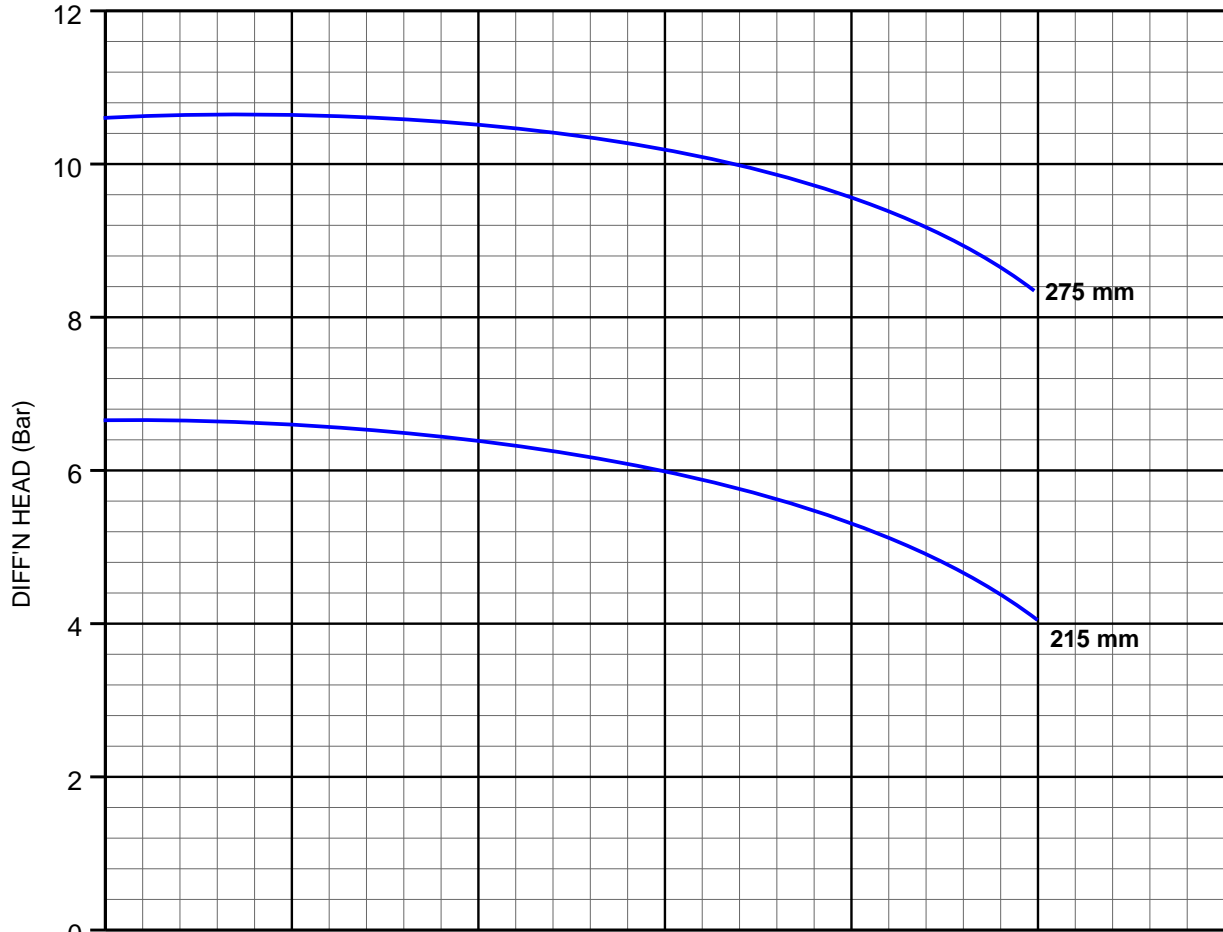
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|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 500 US GPM

Rated Net Pressure: 90 - 150 psi



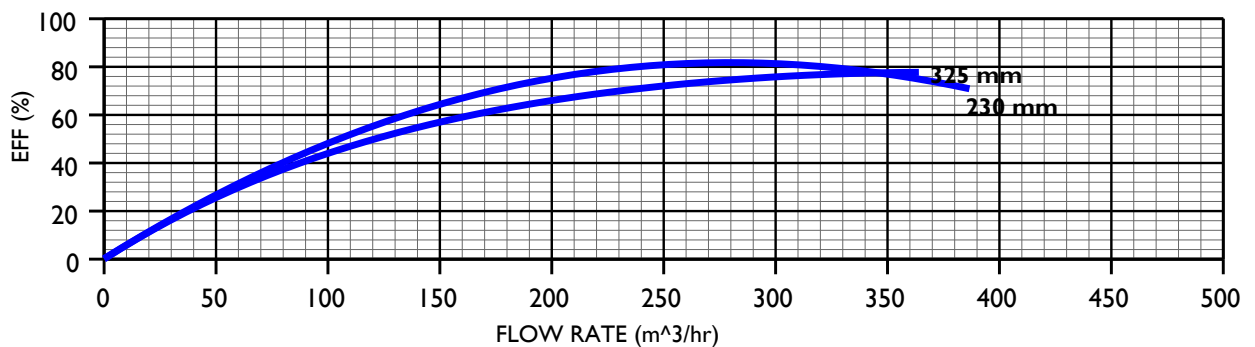
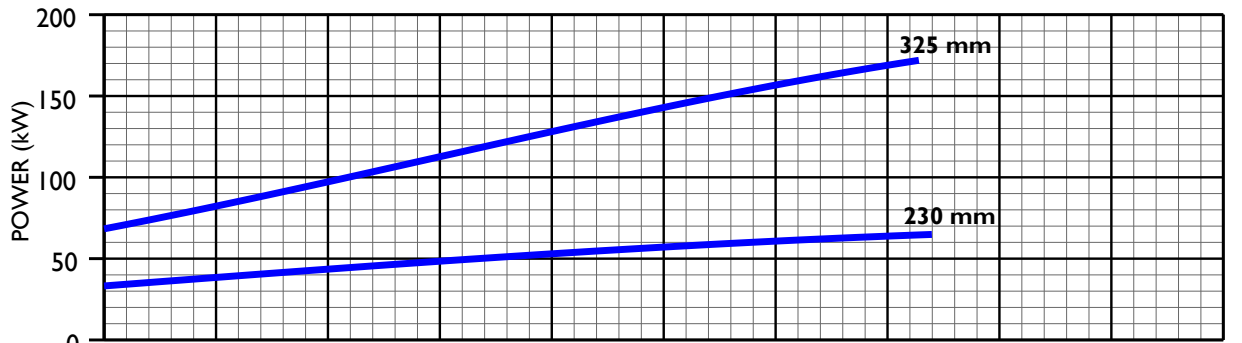
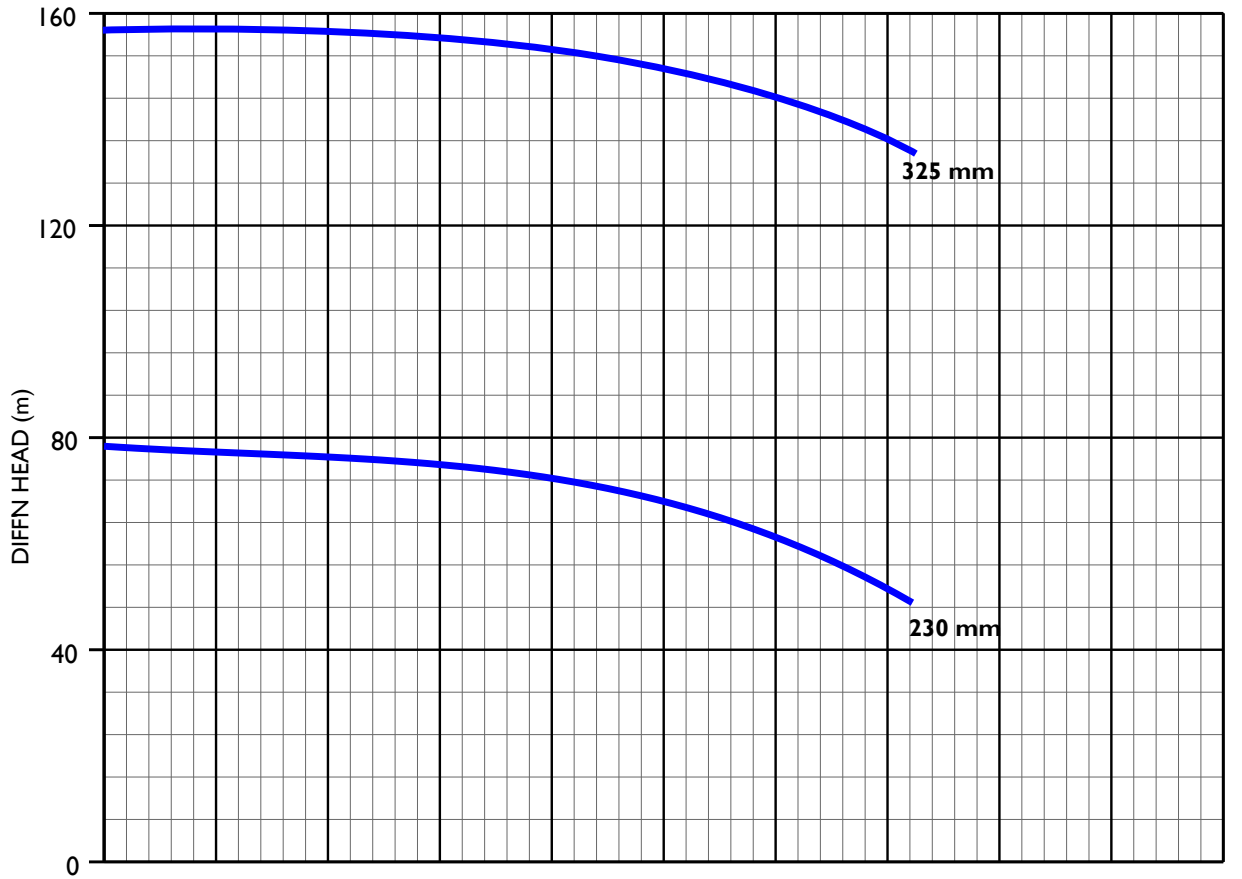
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 500 US GPM

Rated Net Pressure: 108 - 224 psi



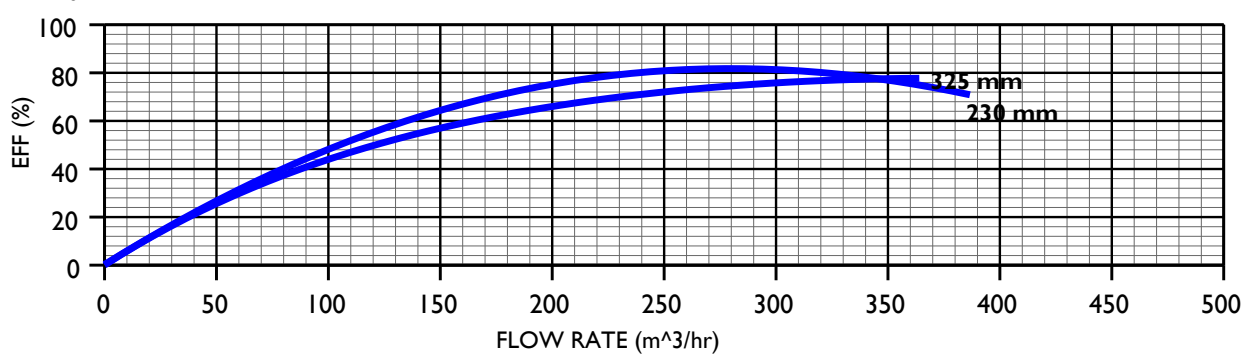
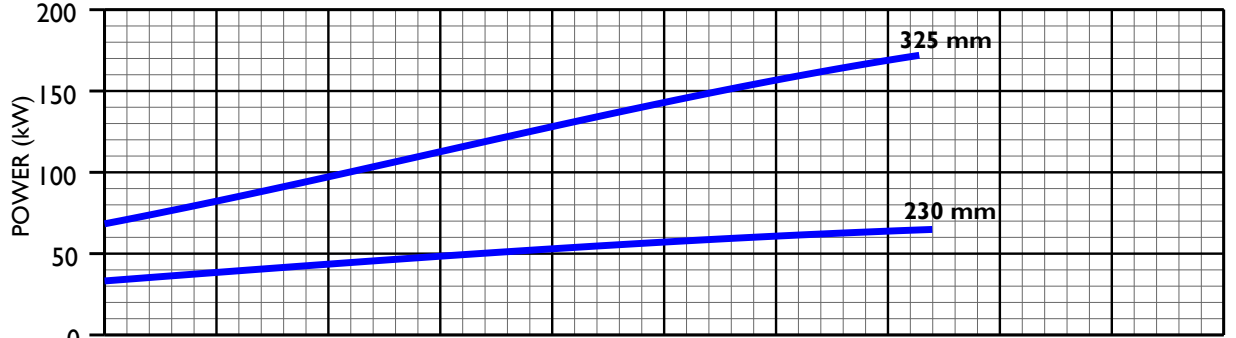
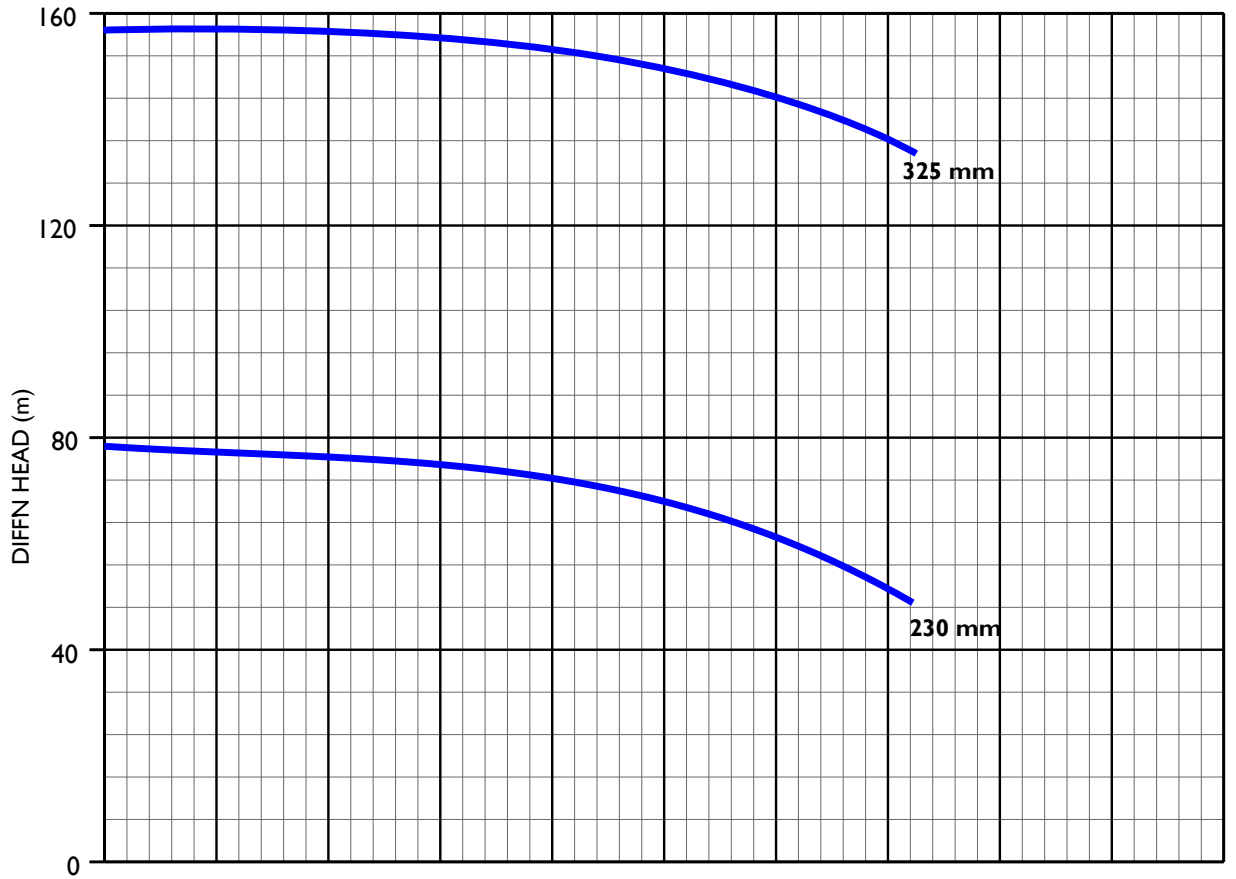
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 750 US GPM

Rated Net Pressure: 101 - 224 psi



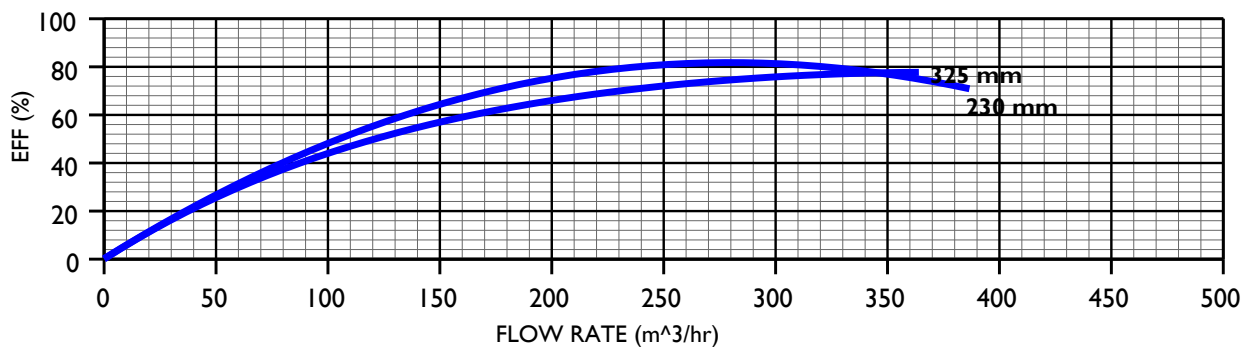
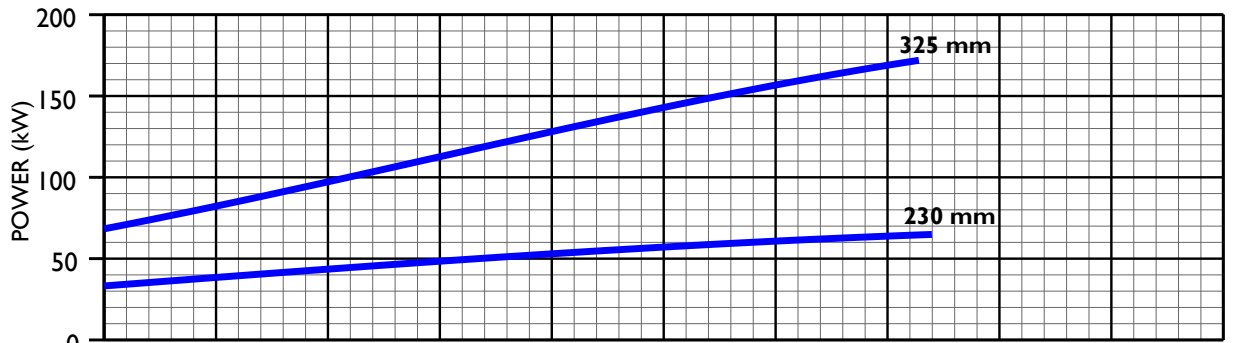
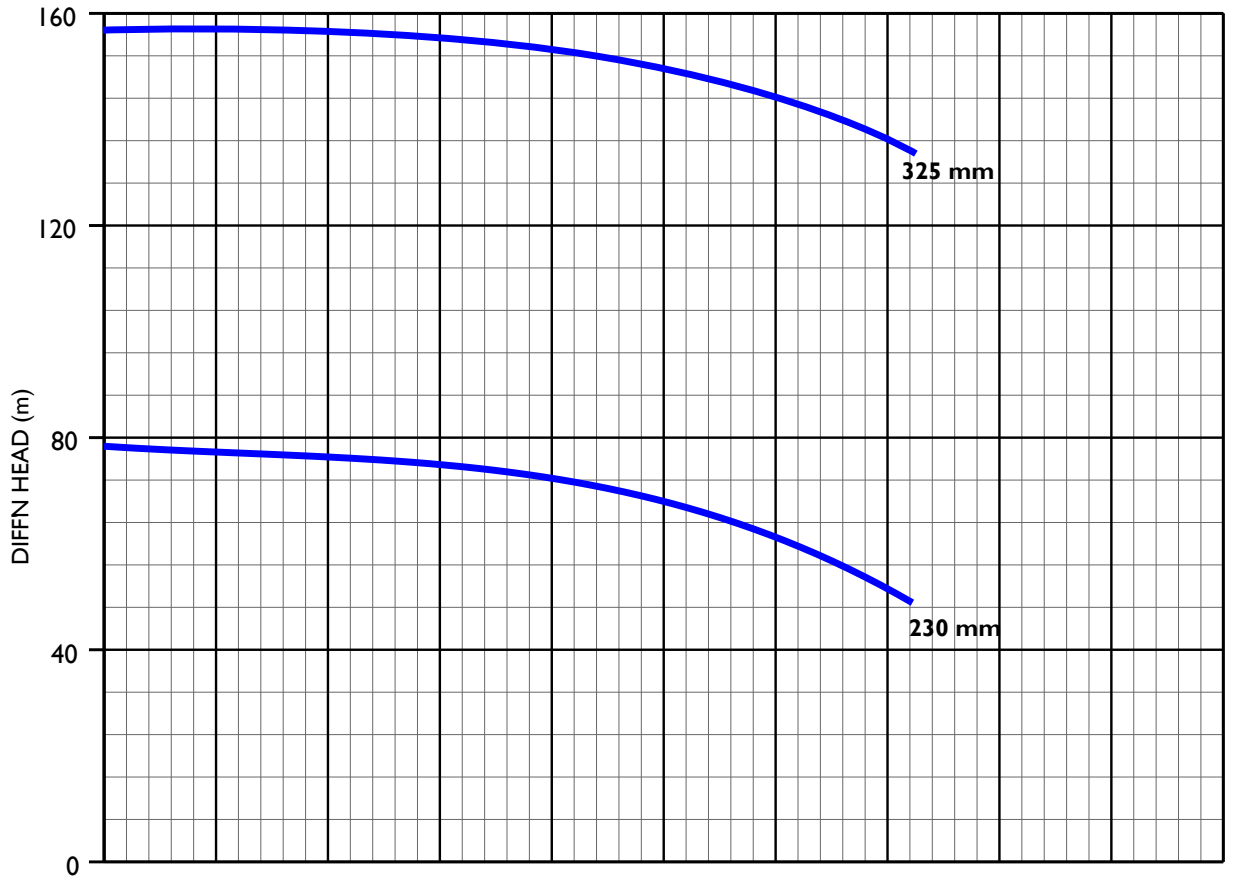
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| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1000 US GPM

Rated Net Pressure: 93 - 218 psi



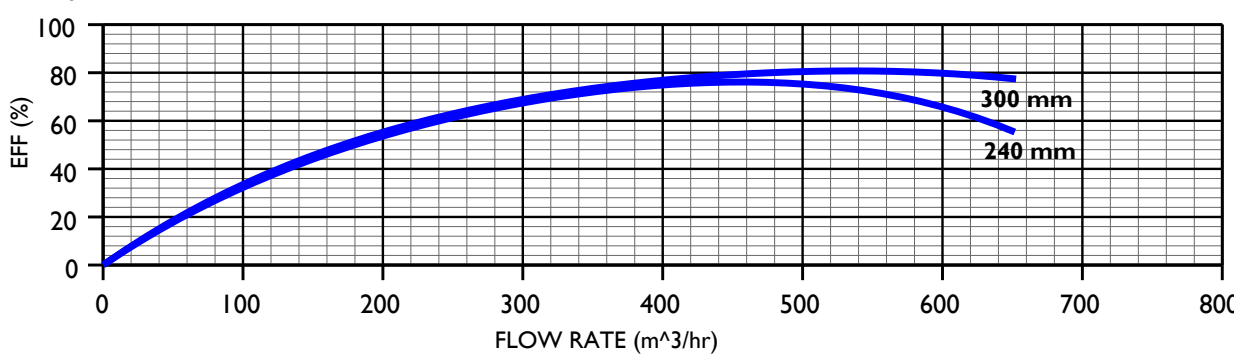
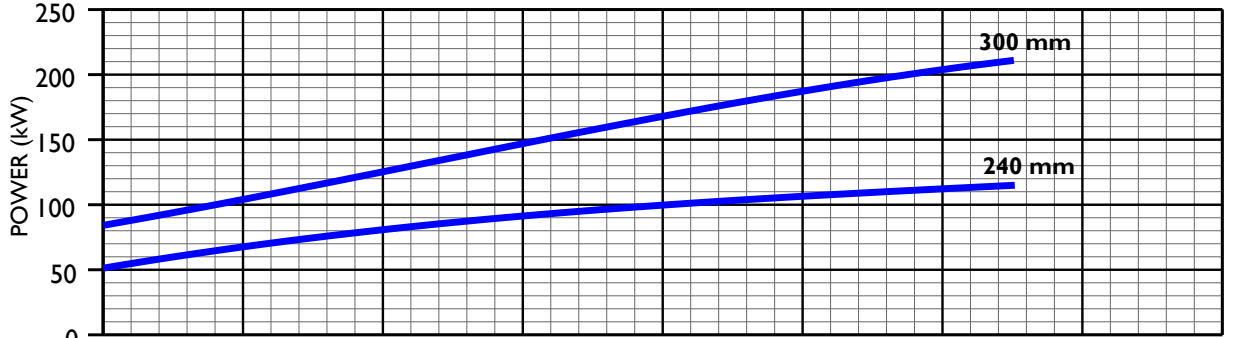
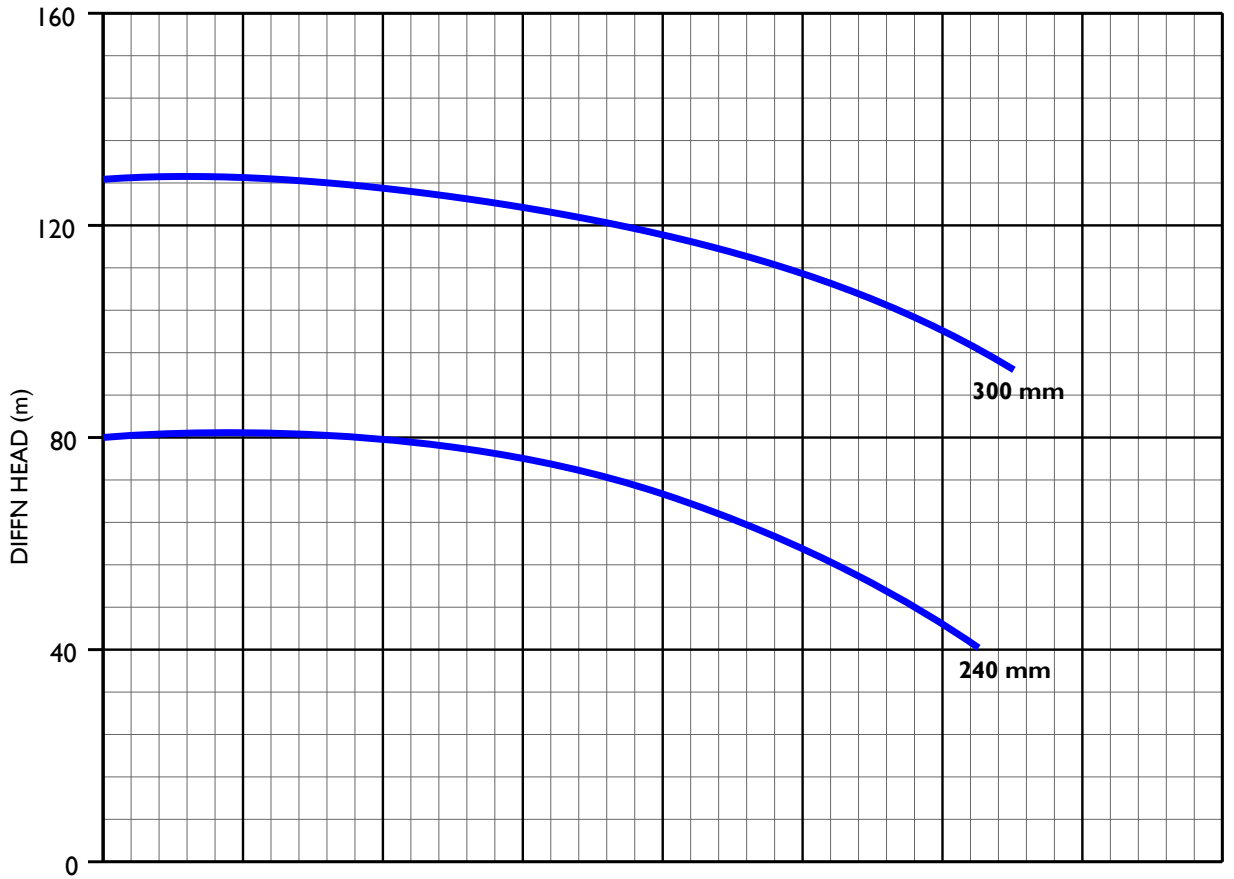
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -300 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1250 US GPM

Rated Net Pressure: 108 - 177 psi



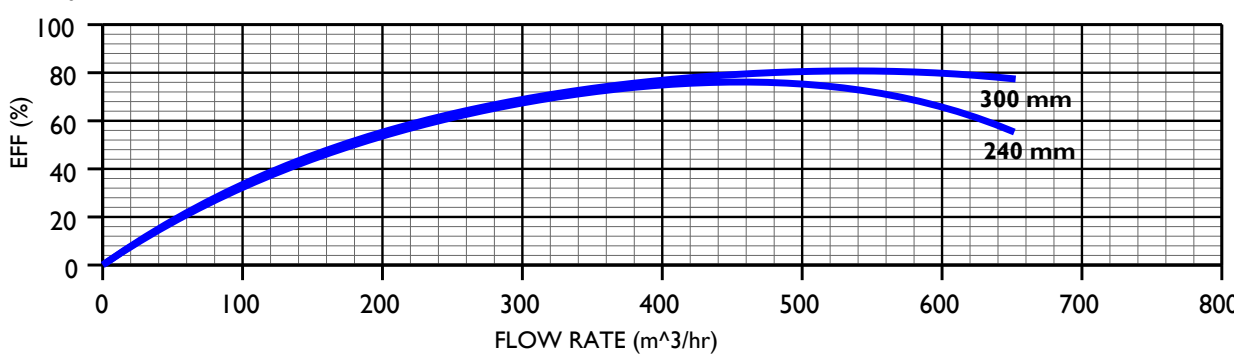
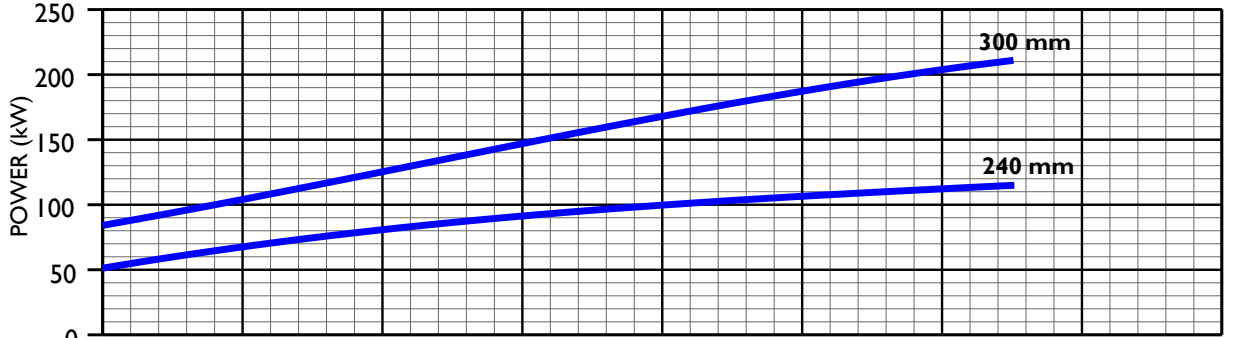
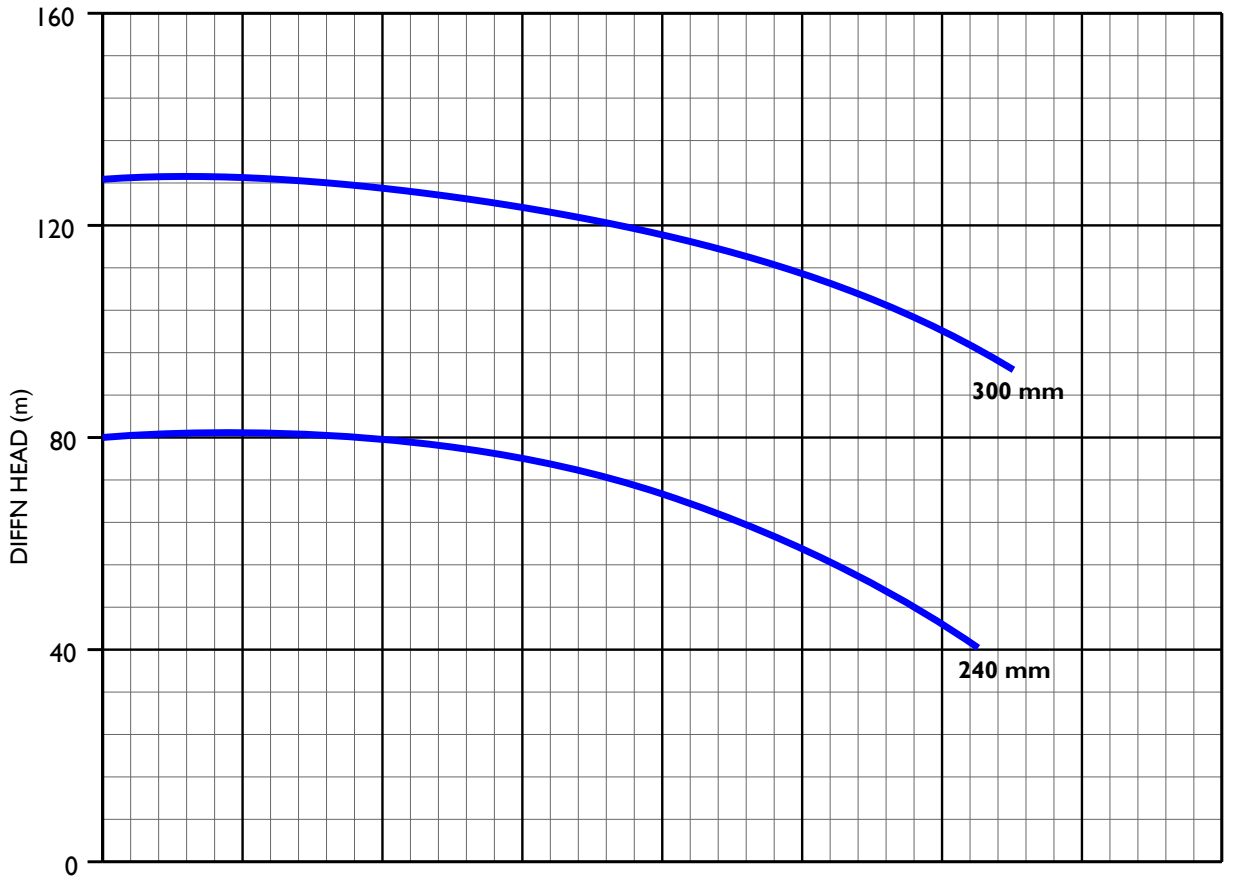
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -300 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1500 US GPM

Rated Net Pressure: 102 - 173 psi



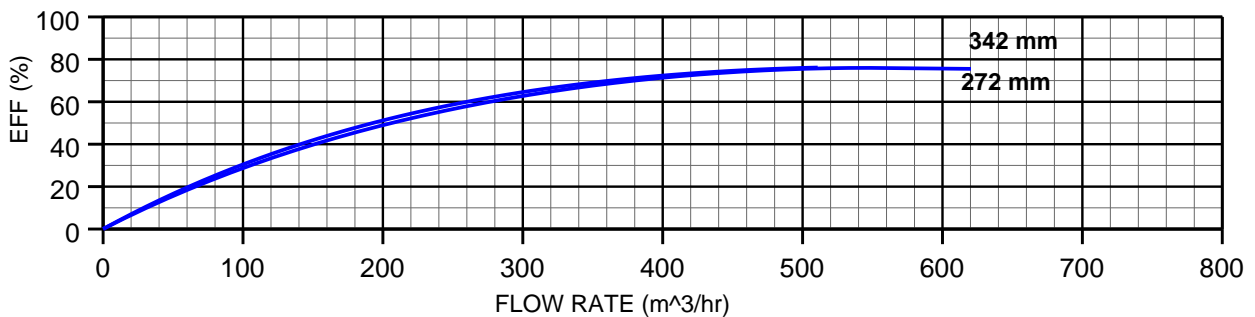
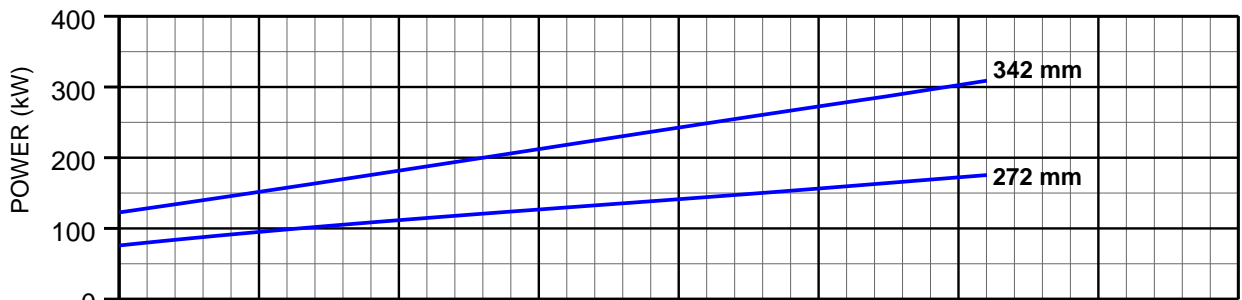
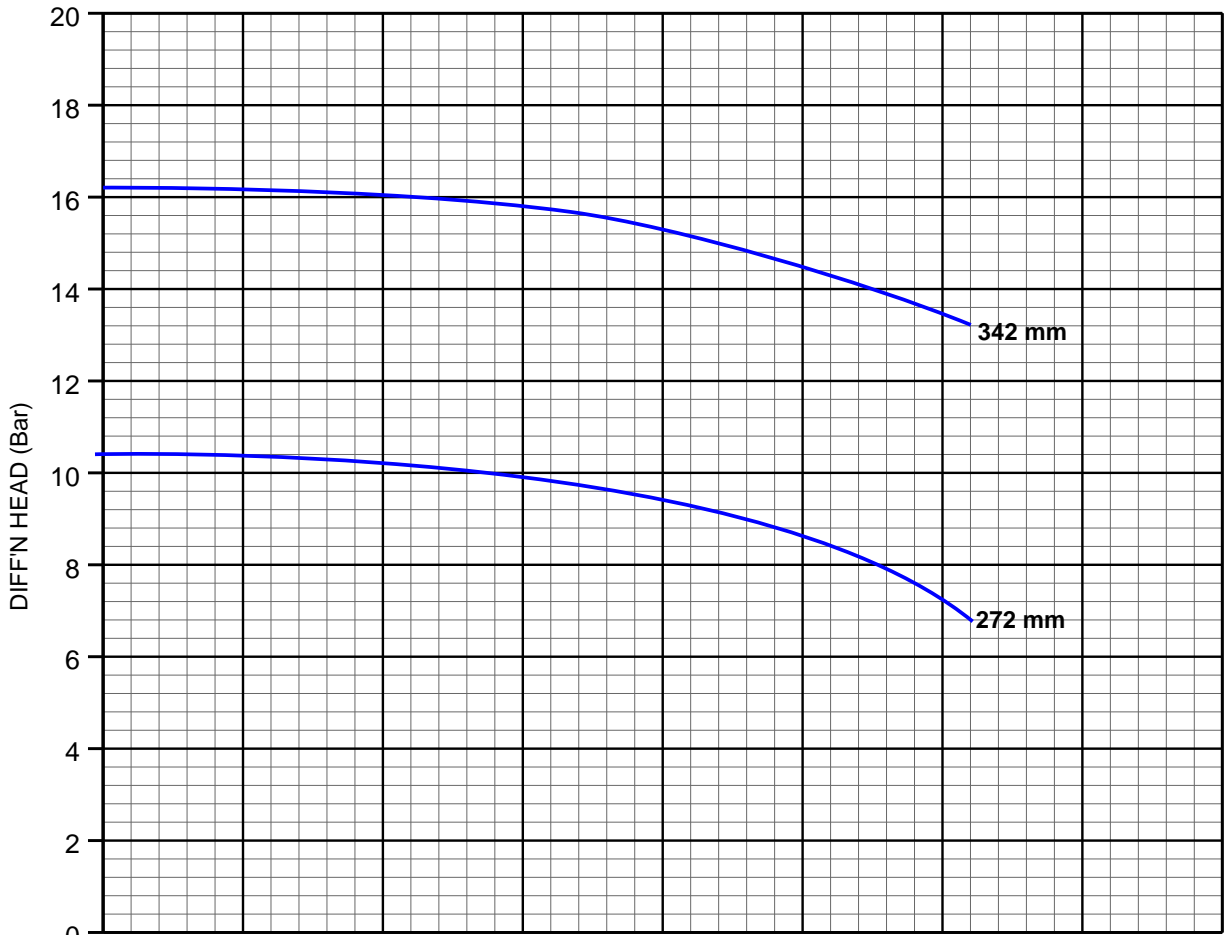
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1000 US GPM

Rated Net Pressure: 148 - 231 psi



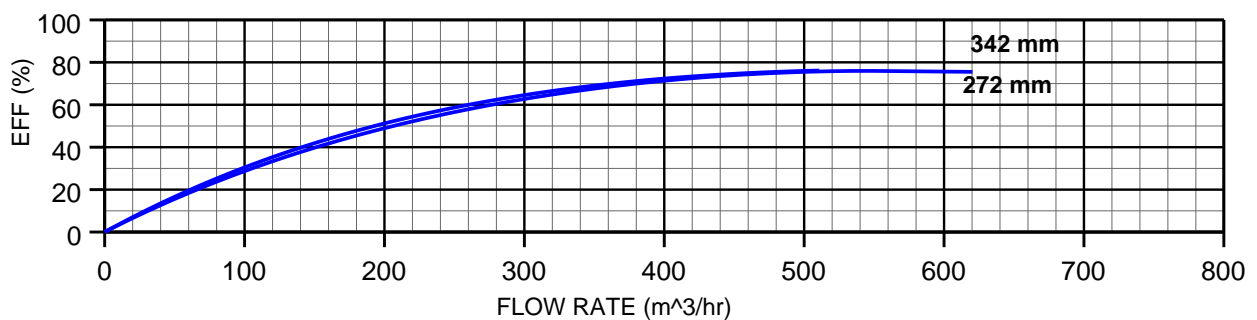
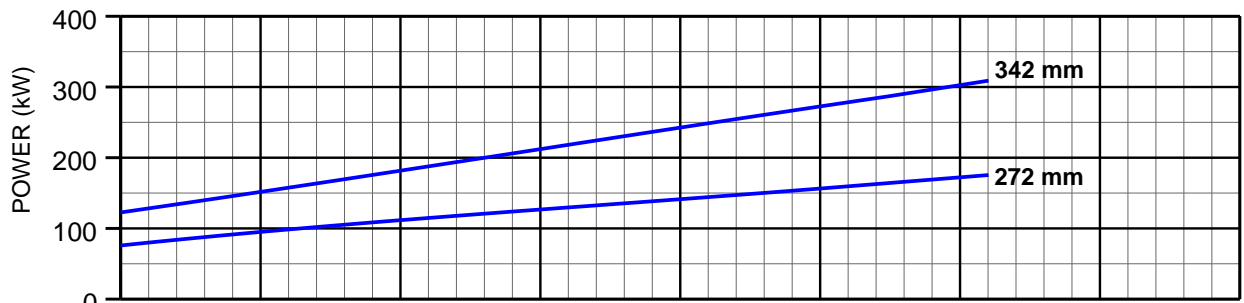
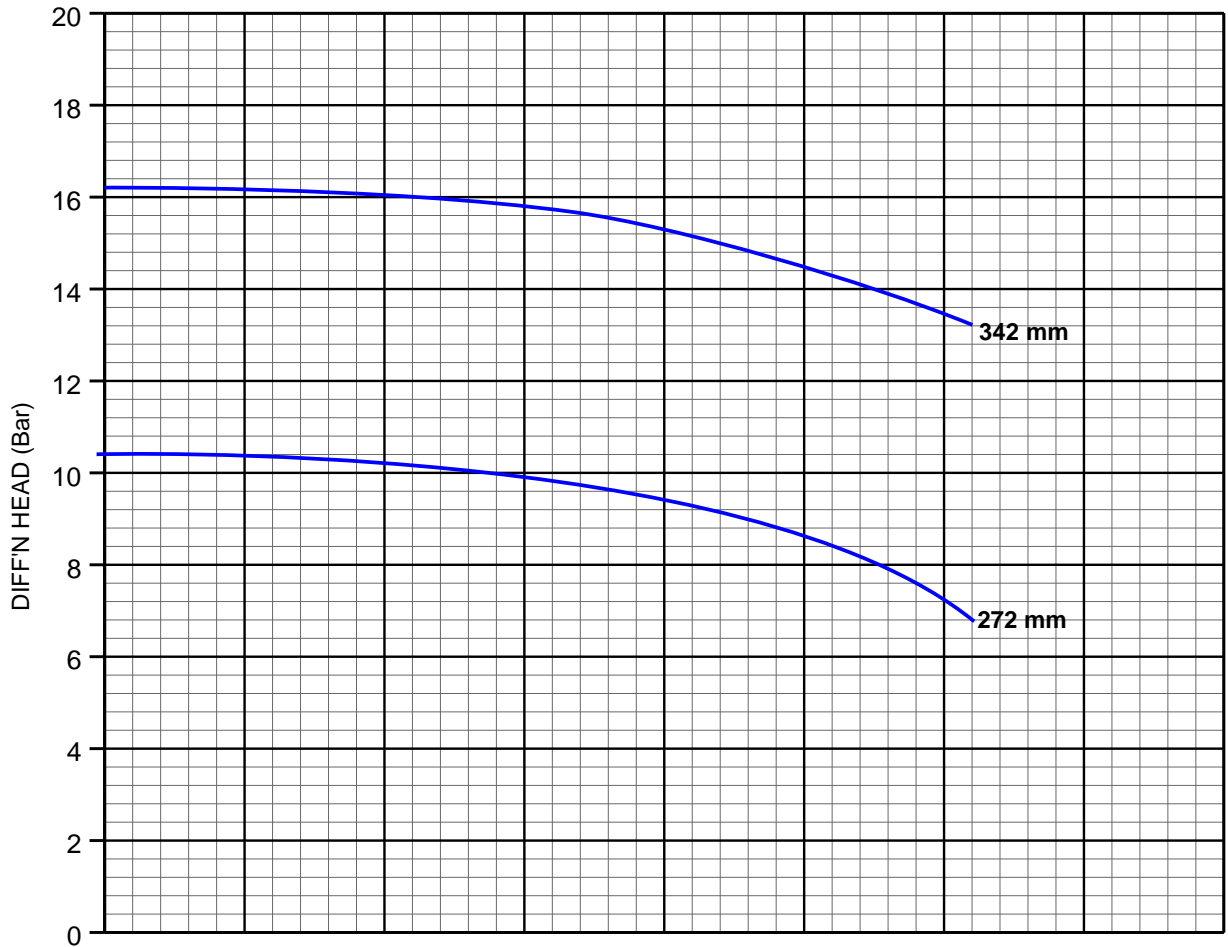
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1250 US GPM

Rated Net Pressure: 144 - 231 psi





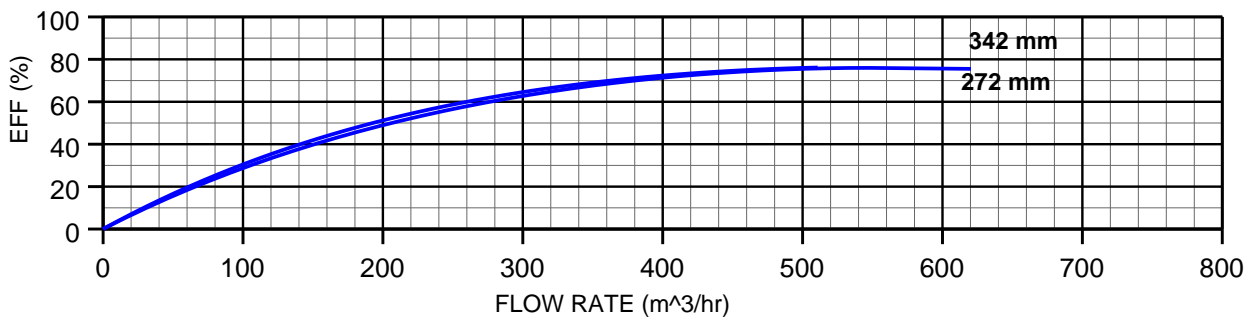
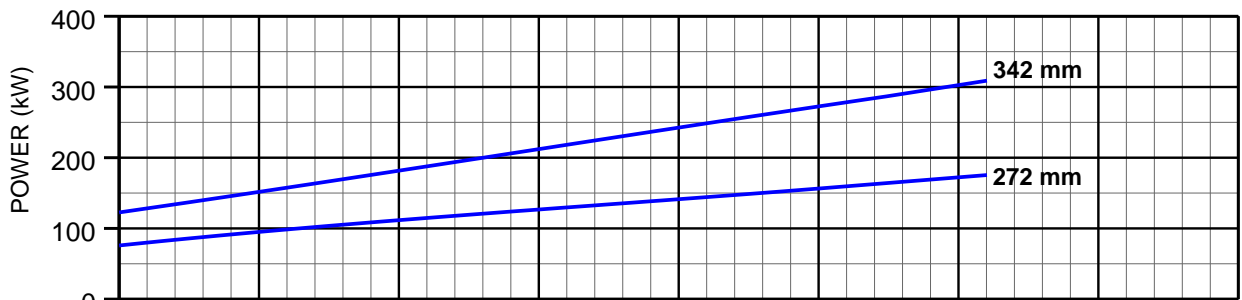
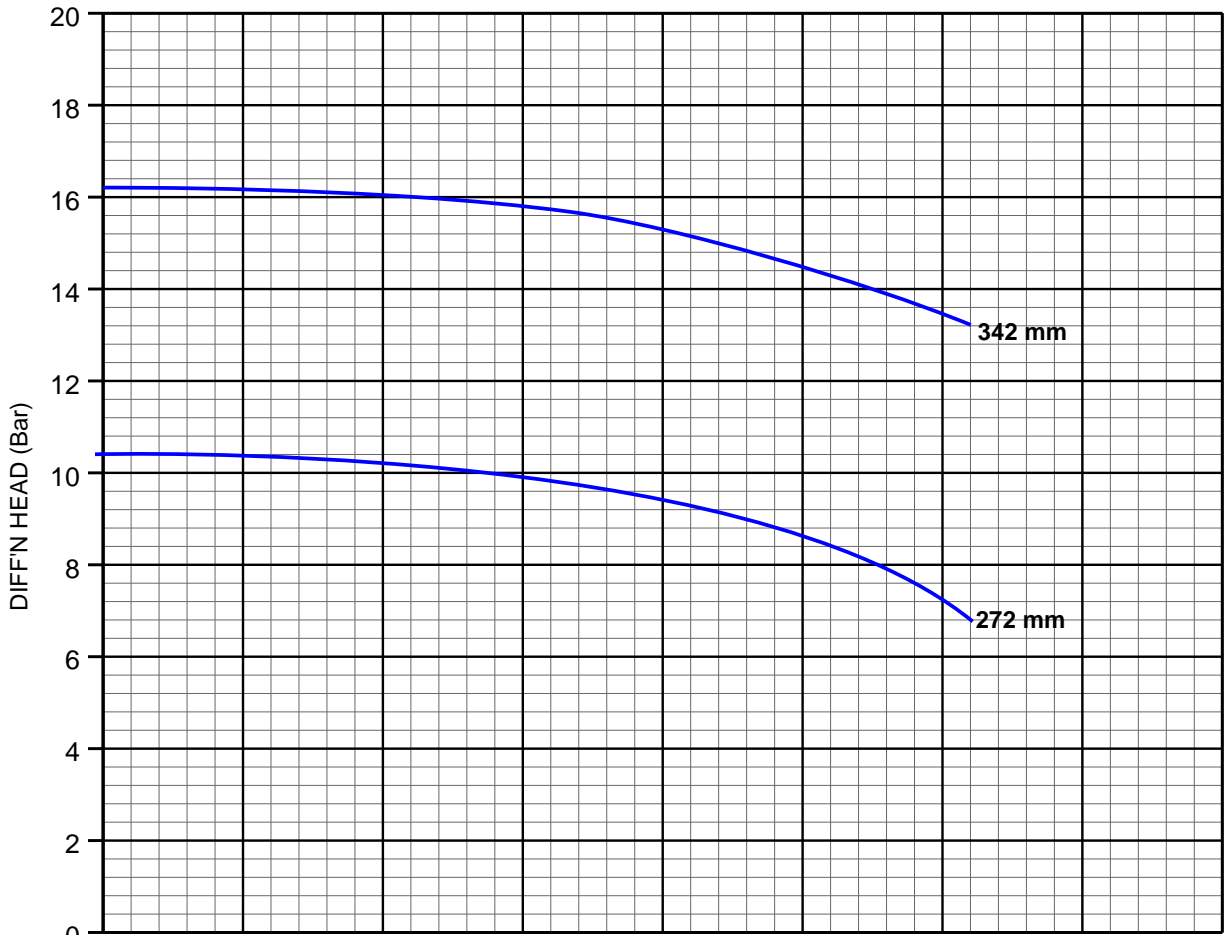
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

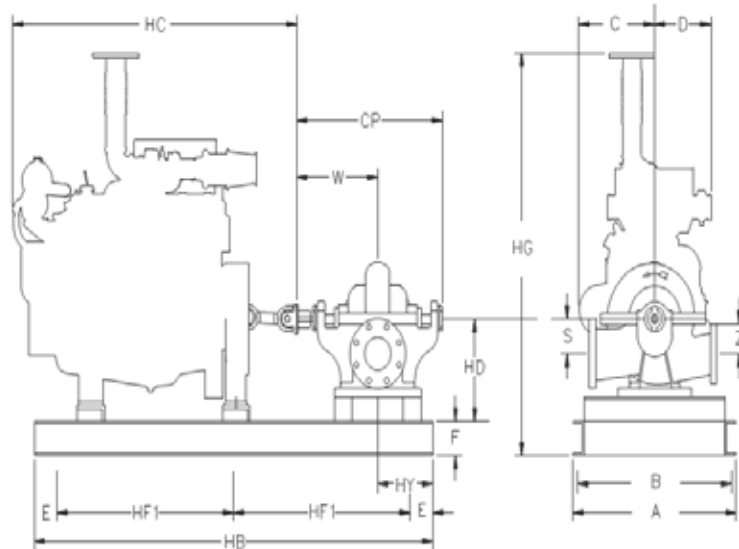
Rated Flow: 1500 US GPM

Rated Net Pressure: 138 - 230 psi



# UL listed Horizontal Split case fire pumps

## Diesel Fire Pump Dimensional Data



| PUMP MODEL     | SUCTION (in) | DISCHARGE (in) | MANUFACTURER | ENGINE MODEL | REFER    |
|----------------|--------------|----------------|--------------|--------------|----------|
| AKH<br>80-270  | 5            | 3              | CLARKE       | JU4H-UF24    | <b>A</b> |
|                |              |                |              | JU4H-UF34    | <b>B</b> |
| AKC<br>100-320 | 6            | 4              | CLARKE       | JU4H-UF34    | <b>C</b> |
|                |              |                |              | JU4H-UF54    | <b>C</b> |
|                |              |                |              | JU6H-UF34    | <b>D</b> |
|                |              |                |              | JU6H-UF54    | <b>E</b> |
| AKC<br>125-300 | 8            | 5              | CLARKE       | JU6H-UF54    | <b>F</b> |
|                |              |                |              | JU6H-UF84    | <b>F</b> |
| AKC<br>125-380 | 8            | 5              | CLARKE       | JU6H-UF54    | <b>G</b> |
|                |              |                |              | JU6H-UF84    | <b>G</b> |

| REFER    | S (cm) | Z (cm) | F (cm) | A (cm) | B (cm) | HB (cm) | HF1 (cm) | E (cm) | HY (cm) | HD (cm) | HG (cm) | HC (cm) |
|----------|--------|--------|--------|--------|--------|---------|----------|--------|---------|---------|---------|---------|
| <b>A</b> | 14     | 14     | 13     | 85     | 78     | 200     | 80       | 20     | 33      | 48      | 147     | 220     |
| <b>B</b> | 14     | 14     | 13     | 90     | 83     | 200     | 80       | 20     | 33      | 48      | 147     | 220     |
| <b>C</b> | 17     | 17     | 13     | 90     | 83     | 220     | 90       | 20     | 35      | 48      | 165     | 220     |
| <b>D</b> | 17     | 17     | 13     | 90     | 83     | 240     | 100      | 20     | 35      | 48      | 165     | 250     |
| <b>E</b> | 17     | 17     | 13     | 90     | 83     | 240     | 100      | 20     | 35      | 48      | 175     | 250     |
| <b>F</b> | 19     | 19     | 13     | 90     | 83     | 250     | 105      | 20     | 40      | 53      | 185     | 250     |
| <b>G</b> | 19     | 19     | 13     | 90     | 83     | 250     | 105      | 20     | 41      | 53      | 185     | 250     |

### NOTES

1. Pump's rotation is clockwise when viewed from the motor end.
2. Suction and discharge flanges are ASME 16.42 standard class 300.
3. Suction and discharge dimensions are in inches. All the other dimensions are in cm.

# UL/FM Horizontal Split case fire pumps



## General Data:

- ▶ Split case fire pumps are specified when the source of water is located above the surface of the ground and provides a positive suction pressure to the pump at any performance point.
- ▶ Certified by Underwriters Laboratories (UL) and Factory Mutual (FM), Al Khoory fire pumps are engineered for reliable operation and built per the rigid standards of NFPA 20.
- ▶ Available in a broad range of operating pressures and flows from a minimum of 300 US GPM to 1500 USGPM
- ▶ Every fire pump is tested for its rated performance under Positive Suction Pressure as per NFPA 20 and provided with factory Certified Test report.
- ▶ All pumps are hydrostatically tested in the factory as per NFPA 20 at no less than 250 psi.
- ▶ Suitable to be used with electric motor and diesel engine drives
- ▶ Applicable For Residential, Commercial and Industrial Use.

# UL/FM Horizontal Split case fire pumps

## PUMP FEATURES:

### ► Pump casing:

The casing is axially split, which permits removal of the complete rotor assembly without moving either the piping or motor thus providing ease of maintenance. Replaceable wear rings protect the casing at the impeller running clearances.

### ► Impeller:

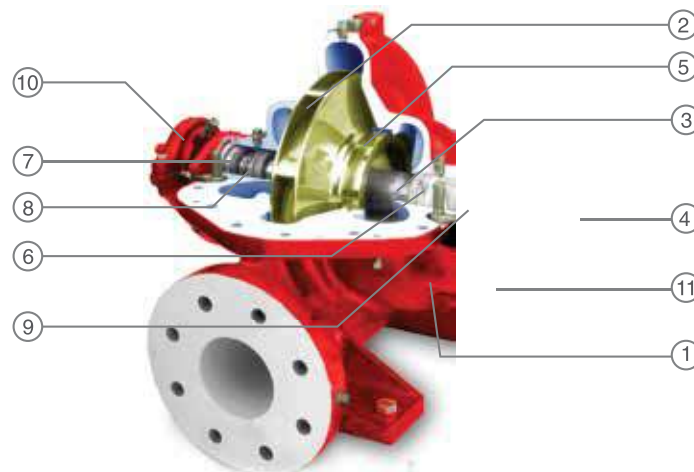
The enclosed impeller have double curved vanes. The double suction design gives practically zero axial forces balancing hydraulic thrust loads. Each impeller is dynamically balanced to G6.3 balance quality grade.

### ► Bearings:

Deep groove grease lubricated ball bearings selected for 5,000 hour minimum life at maximum load.

### ► Shaft Seal:

Interwoven, Graphite Impregnated T.F.E. diagonally cut packing rings seal the pump shaft



## Material of Construction:

| Part No | Part Name       | Material             |
|---------|-----------------|----------------------|
| 1       | Casing          | Ductile Iron         |
| 2       | Impeller        | Bronze               |
| 3       | Shaft Sleeve    | SS 304               |
| 4       | Shaft           | All0y Steel          |
| 5       | Wear Ring       | Bronze/SS 304        |
| 6       | Stuffing Box    | Ductile Iron         |
| 7       | Gland Packing   | Graphite Impregnated |
| 8       | Lantern Ring    | SS 304               |
| 9       | Packing Gland   | SS 304               |
| 10      | Bearing Housing | Cast Iron            |

# UL/FM Horizontal Split case fire pumps

## Selection Data-Electric & Diesel Fire Pumps

### RATED CAPACITY - 300 US GPM

| Sl. No. | Pump Model | UL Listed/FM Approved Pressure(PSI) | Rated Speed (RPM) | Suction Inlet Dia. (Inch) | Discharge Outlet Dia. (Inch) | Stage(s) |
|---------|------------|-------------------------------------|-------------------|---------------------------|------------------------------|----------|
| 1       | AKH-80-270 | 94-149                              | 2900              | 5                         | 3                            | 1        |

### RATED CAPACITY - 500 US GPM

| Sl. No. | Pump Model  | UL Listed/FM Approved Pressure(PSI) | Rated Speed (RPM) | Suction Inlet Dia. (Inch) | Discharge Outlet Dia. (Inch) | Stage(s) |
|---------|-------------|-------------------------------------|-------------------|---------------------------|------------------------------|----------|
| 1       | AKH 80-270  | 94-149                              | 2900              | 5                         | 3                            | 1        |
| 2       | AKC-100-320 | 112-212                             | 2950              | 6                         | 4                            | 1        |

### RATED CAPACITY - 750 US GPM

| Sl. No. | Pump Model  | UL Listed/FM Approved Pressure(PSI) | Rated Speed (RPM) | Suction Inlet Dia. (Inch) | Discharge Outlet Dia. (Inch) | Stage(s) |
|---------|-------------|-------------------------------------|-------------------|---------------------------|------------------------------|----------|
| 1       | AKC-100-320 | 105-211                             | 2950              | 6                         | 4                            | 1        |

### RATED CAPACITY - 1000 US GPM

| Sl. No. | Pump Model  | UL Listed/FM Approved Pressure(PSI) | Rated Speed (RPM) | Suction Inlet Dia. (Inch) | Discharge Outlet Dia. (Inch) | Stage(s) |
|---------|-------------|-------------------------------------|-------------------|---------------------------|------------------------------|----------|
| 1       | AKC-100-320 | 144-205                             | 2950              | 6                         | 4                            | 1        |
| 2       | AKC-125-380 | 148-230                             | 2900              | 8                         | 5                            | 1        |

### RATED CAPACITY - 1250 US GPM

| Sl. No. | Pump Model  | UL Listed/FM Approved Pressure(PSI) | Rated Speed (RPM) | Suction Inlet Dia. (Inch) | Discharge Outlet Dia. (Inch) | Stage(s) |
|---------|-------------|-------------------------------------|-------------------|---------------------------|------------------------------|----------|
| 1       | AKC-125-380 | 144-231                             | 2900              | 8                         | 5                            | 1        |

### RATED CAPACITY - 1500 US GPM

| Sl. No. | Pump Model  | UL Listed/FM Approved Pressure(PSI) | Rated Speed (RPM) | Suction Inlet Dia. (Inch) | Discharge Outlet Dia. (Inch) | Stage(s) |
|---------|-------------|-------------------------------------|-------------------|---------------------------|------------------------------|----------|
| 1       | AKC-125-380 | 138-230                             | 2900              | 8                         | 5                            | 1        |

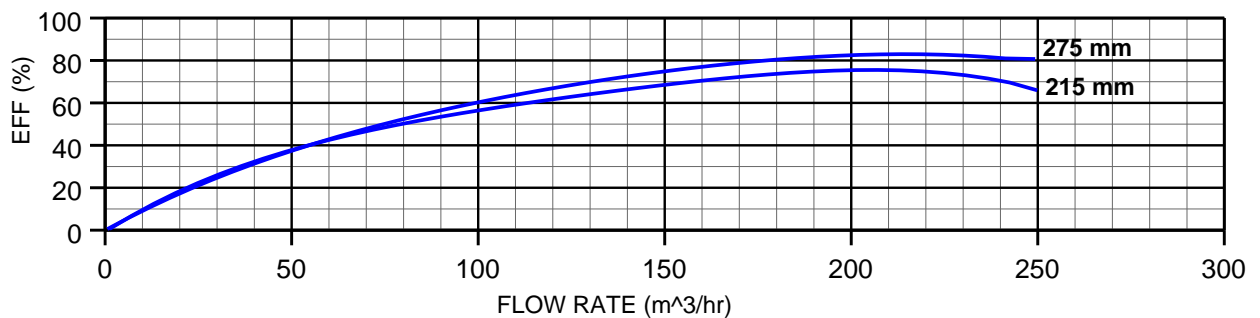
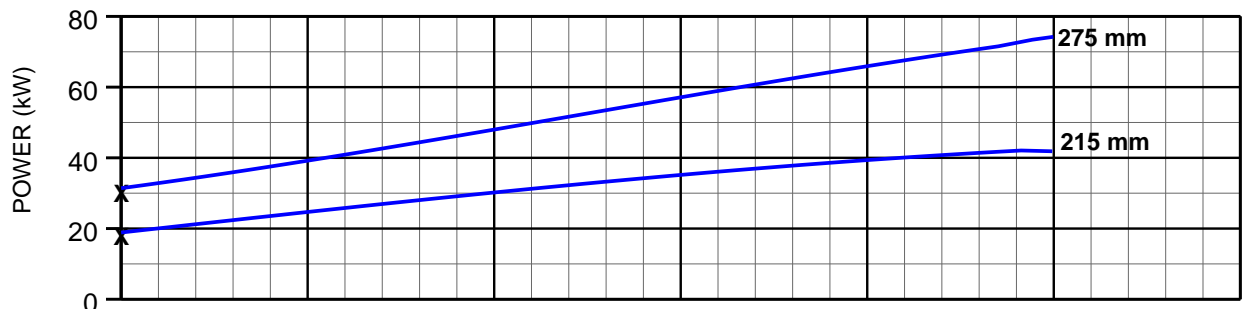
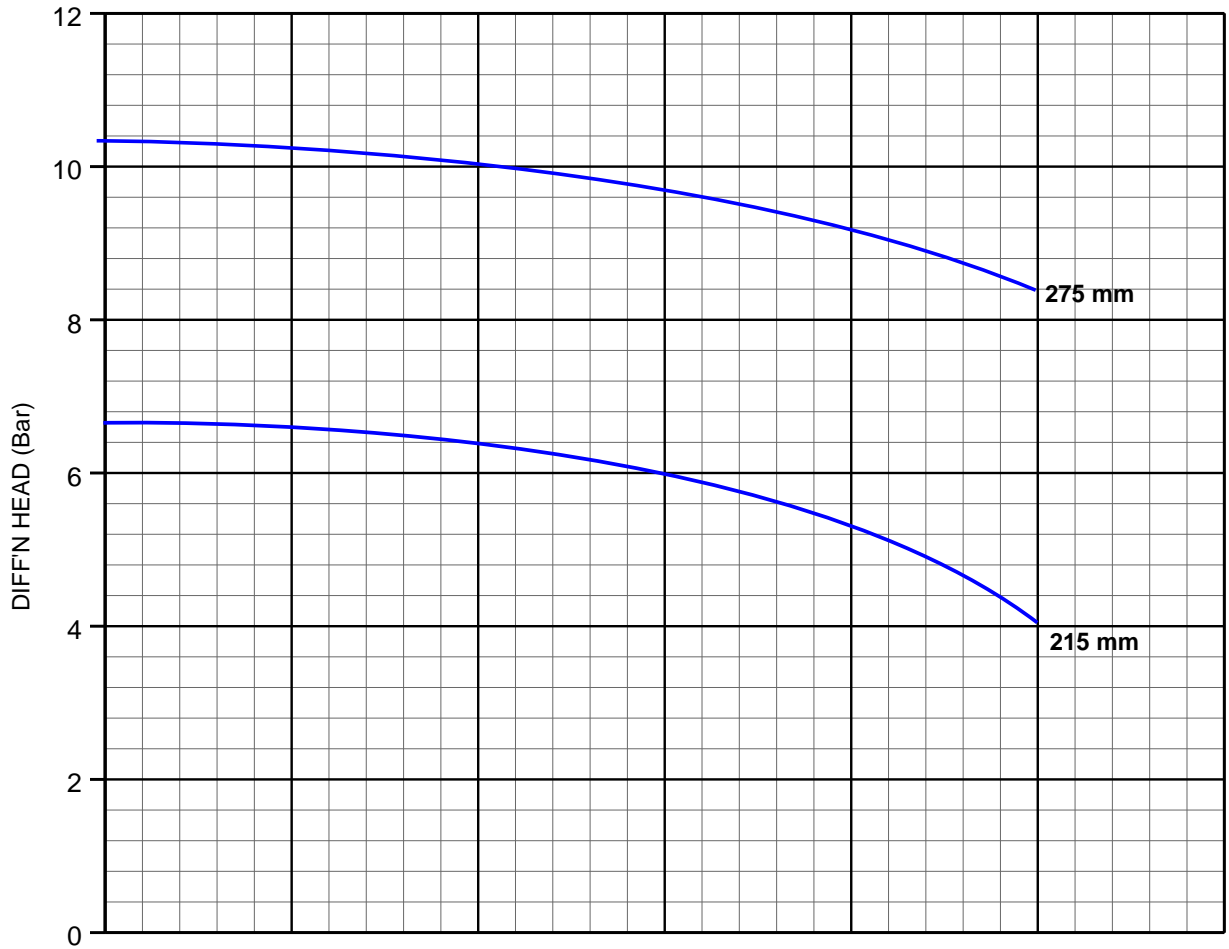
# 50 HZ - Electric Fire Pump



|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 300 US GPM

Rated Net Pressure: 94 - 149 psi



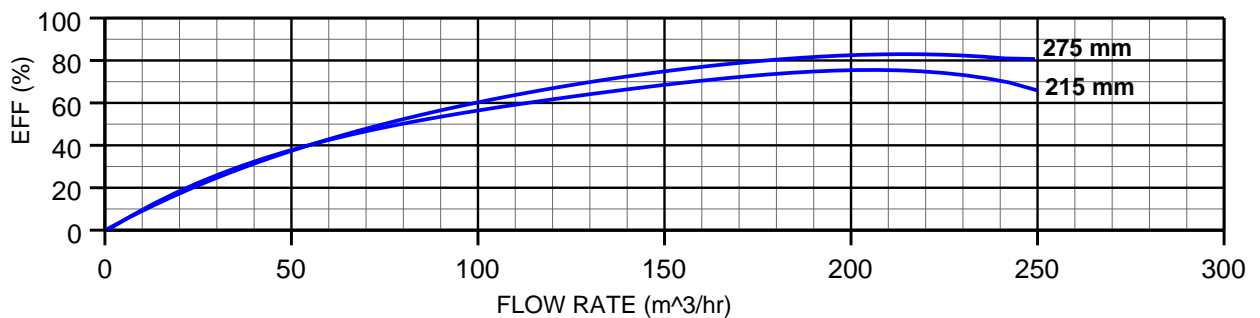
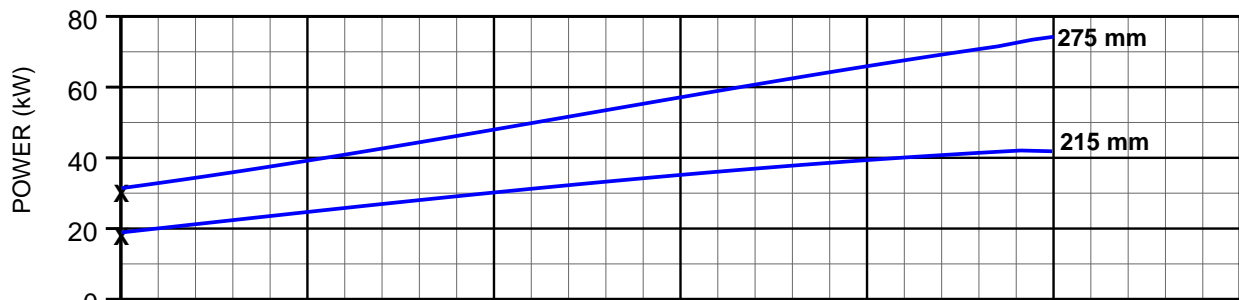
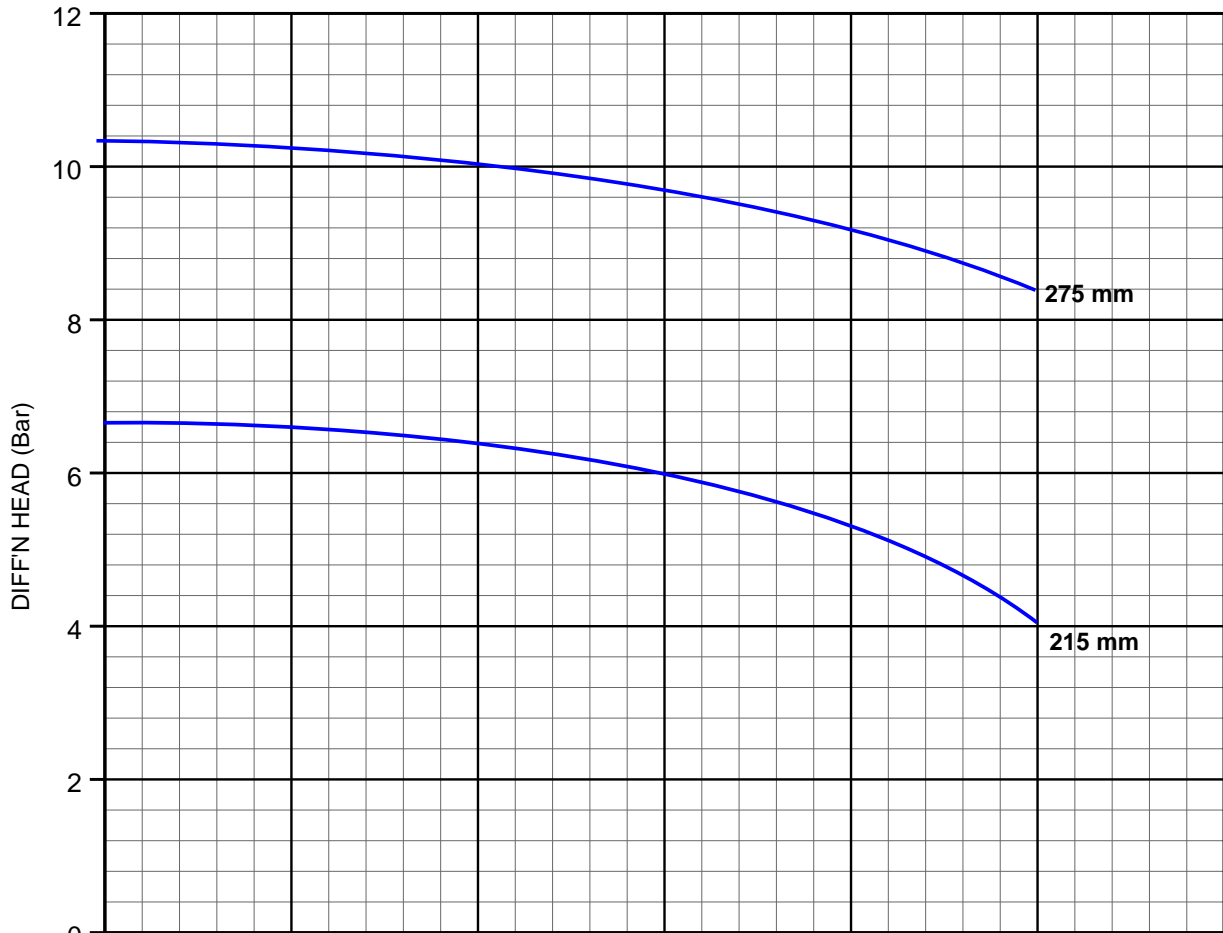
# 50 HZ - Electric Fire Pump



|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 500 US GPM

Rated Net Pressure: 94 - 149 psi



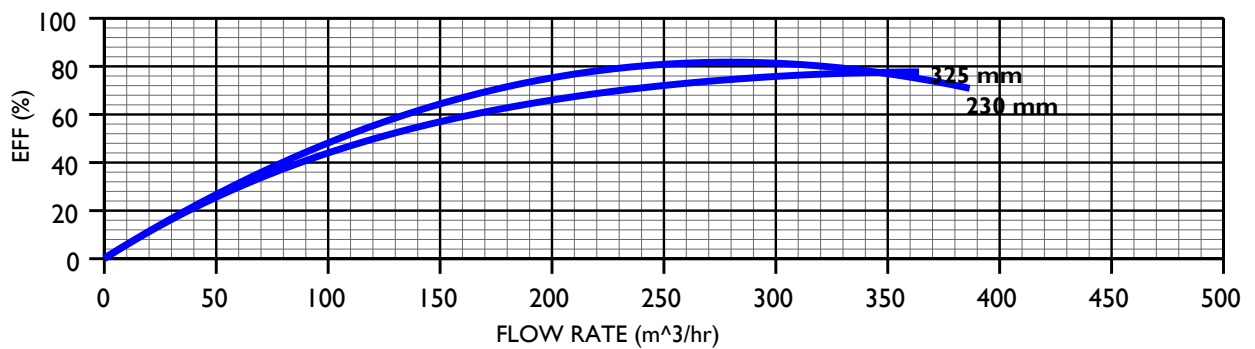
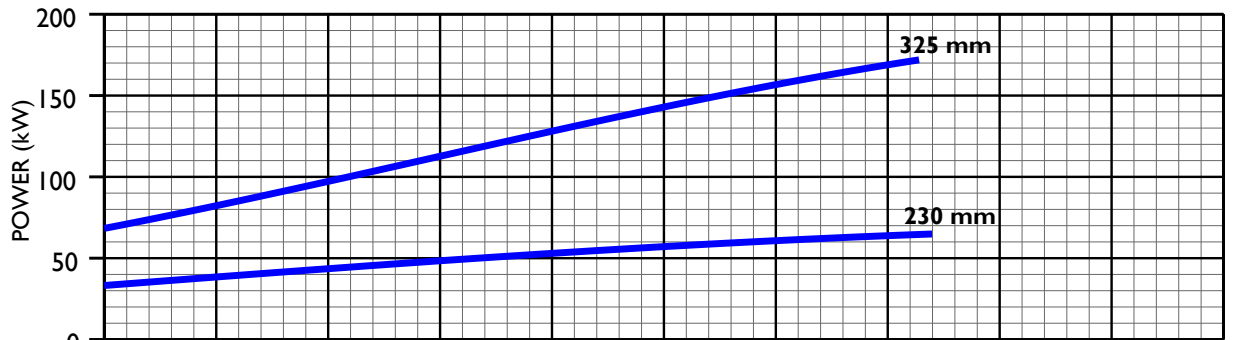
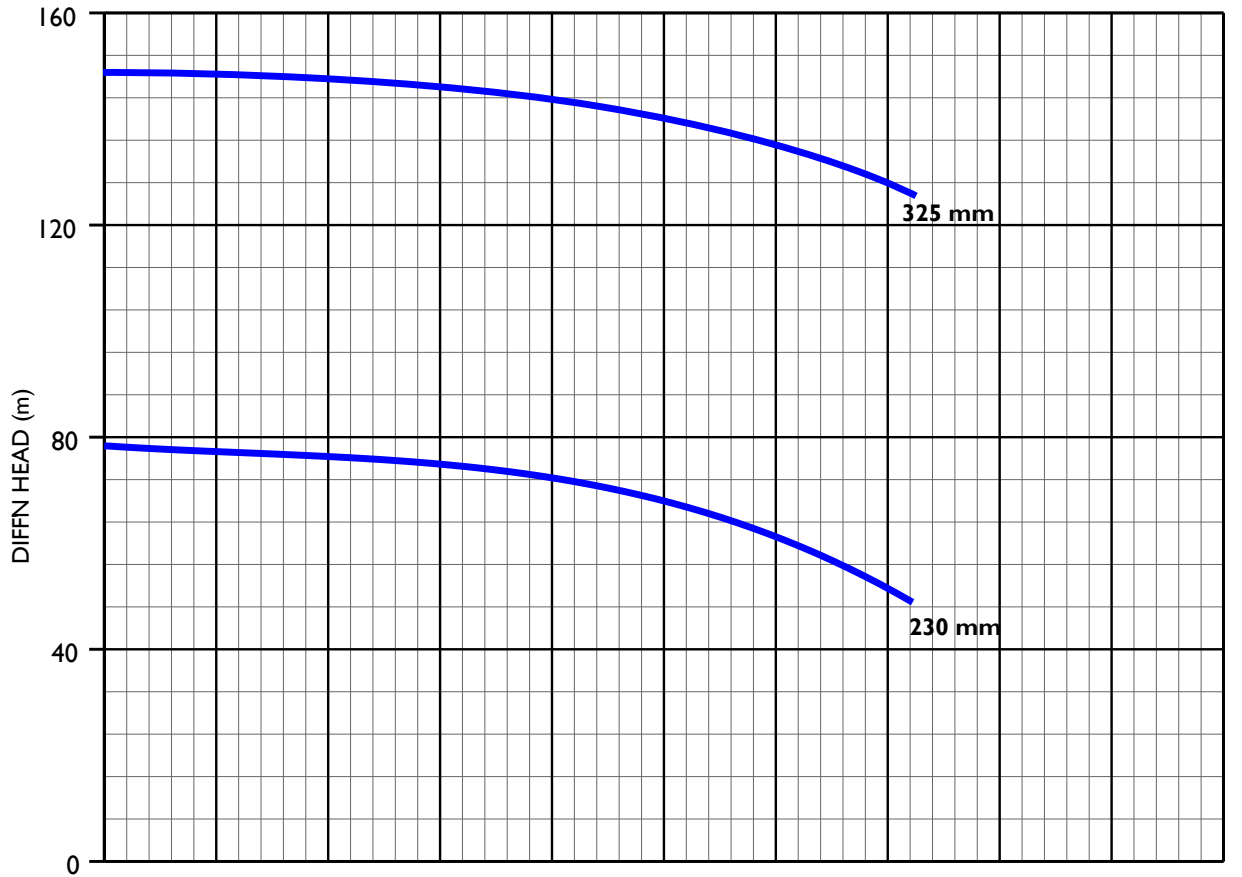
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 500 US GPM

Rated Net Pressure: 112 - 212 psi





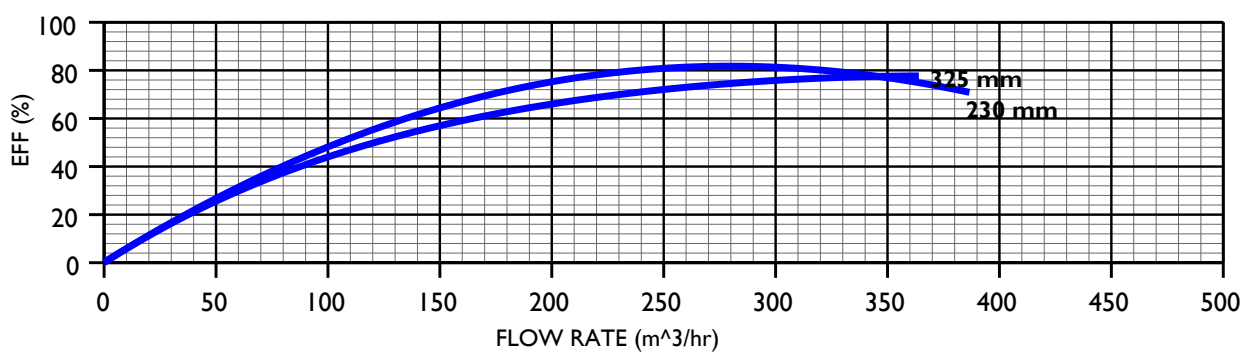
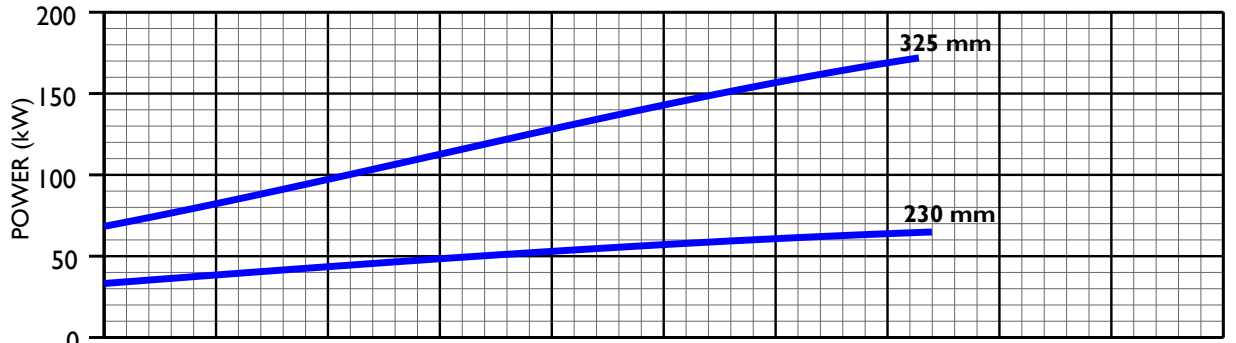
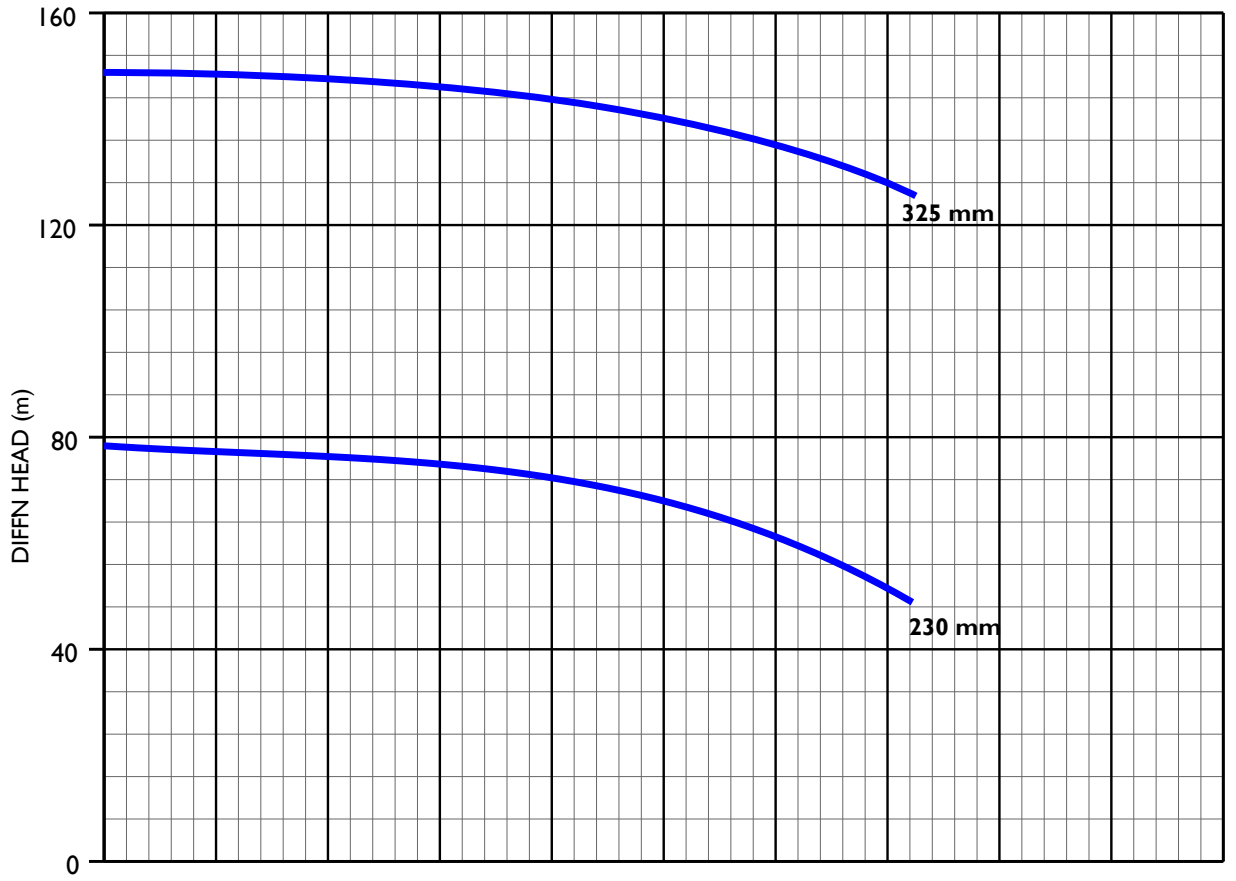
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 750 US GPM

Rated Net Pressure: 105 - 211 psi



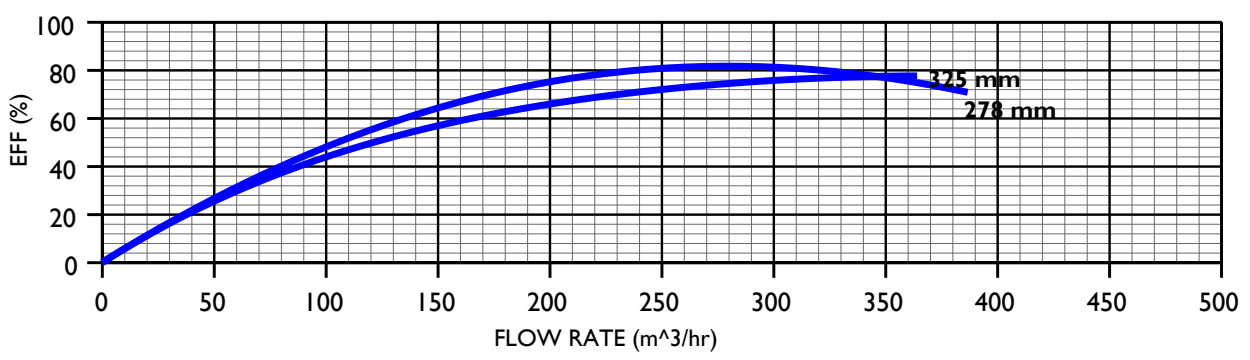
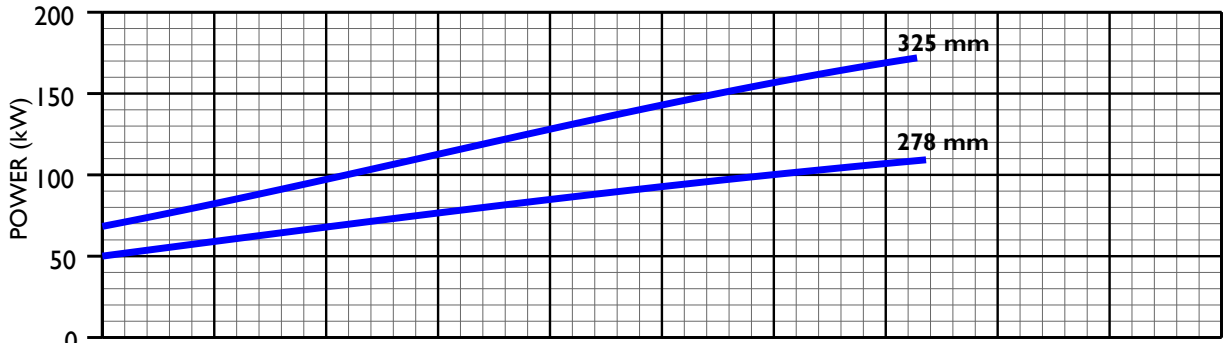
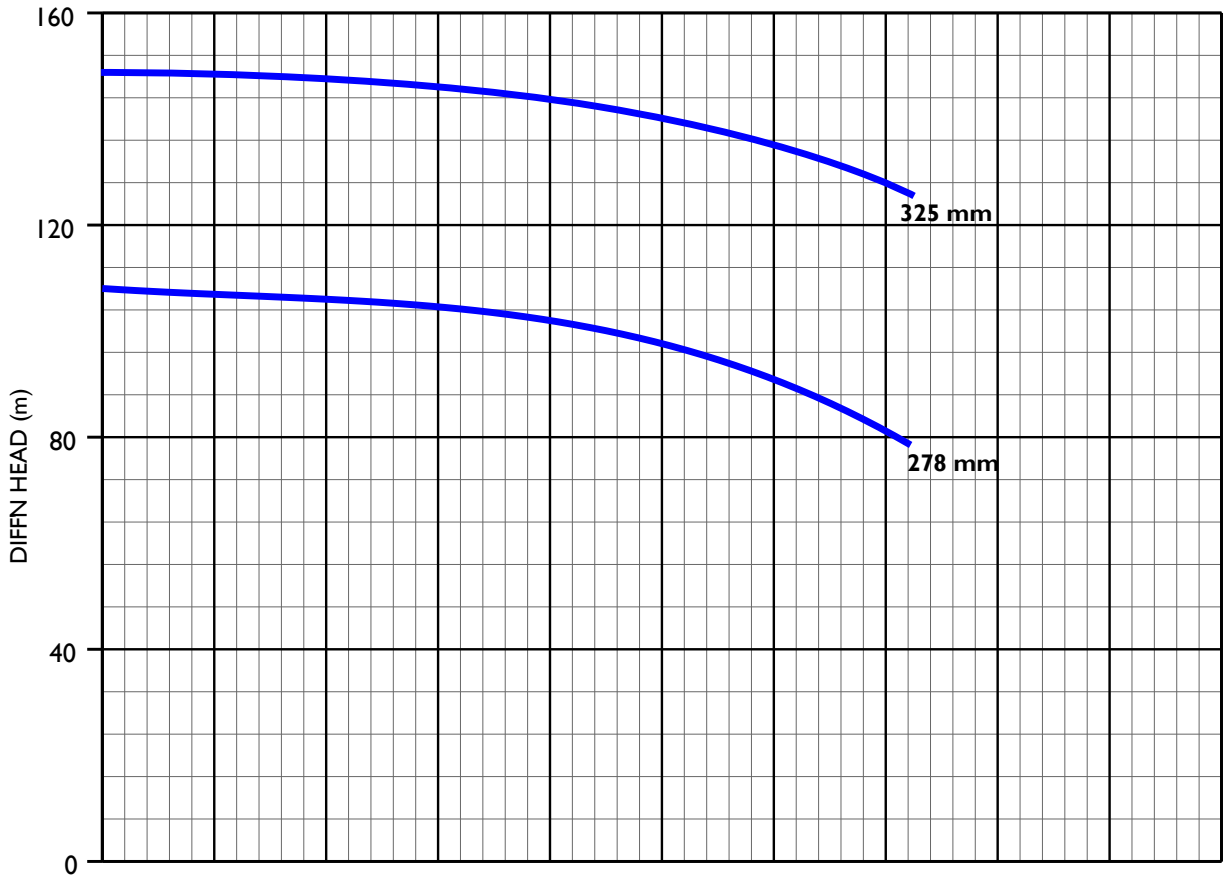
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 750 US GPM

Rated Net Pressure: 105 - 211 psi



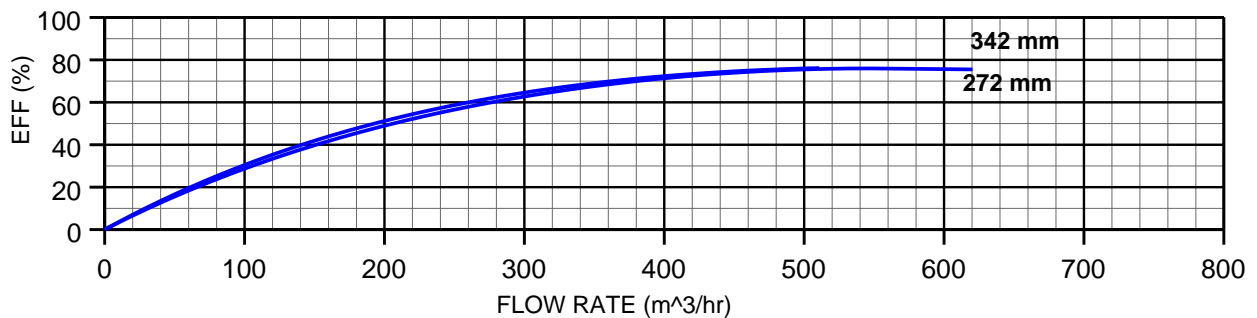
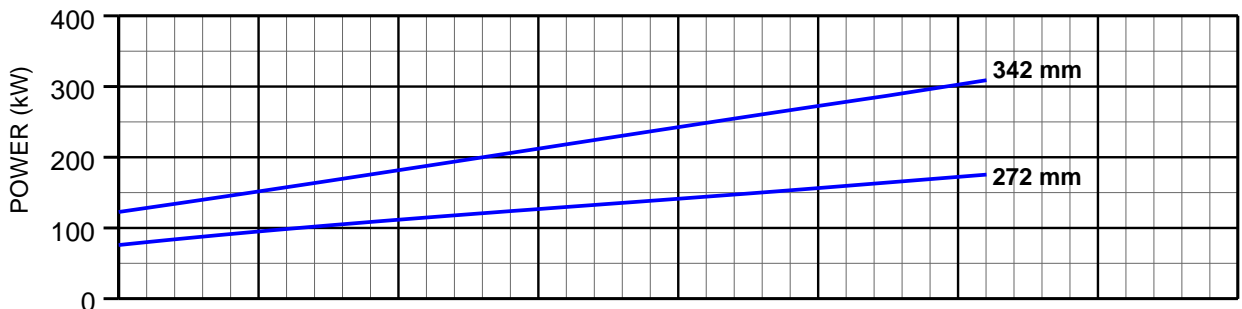
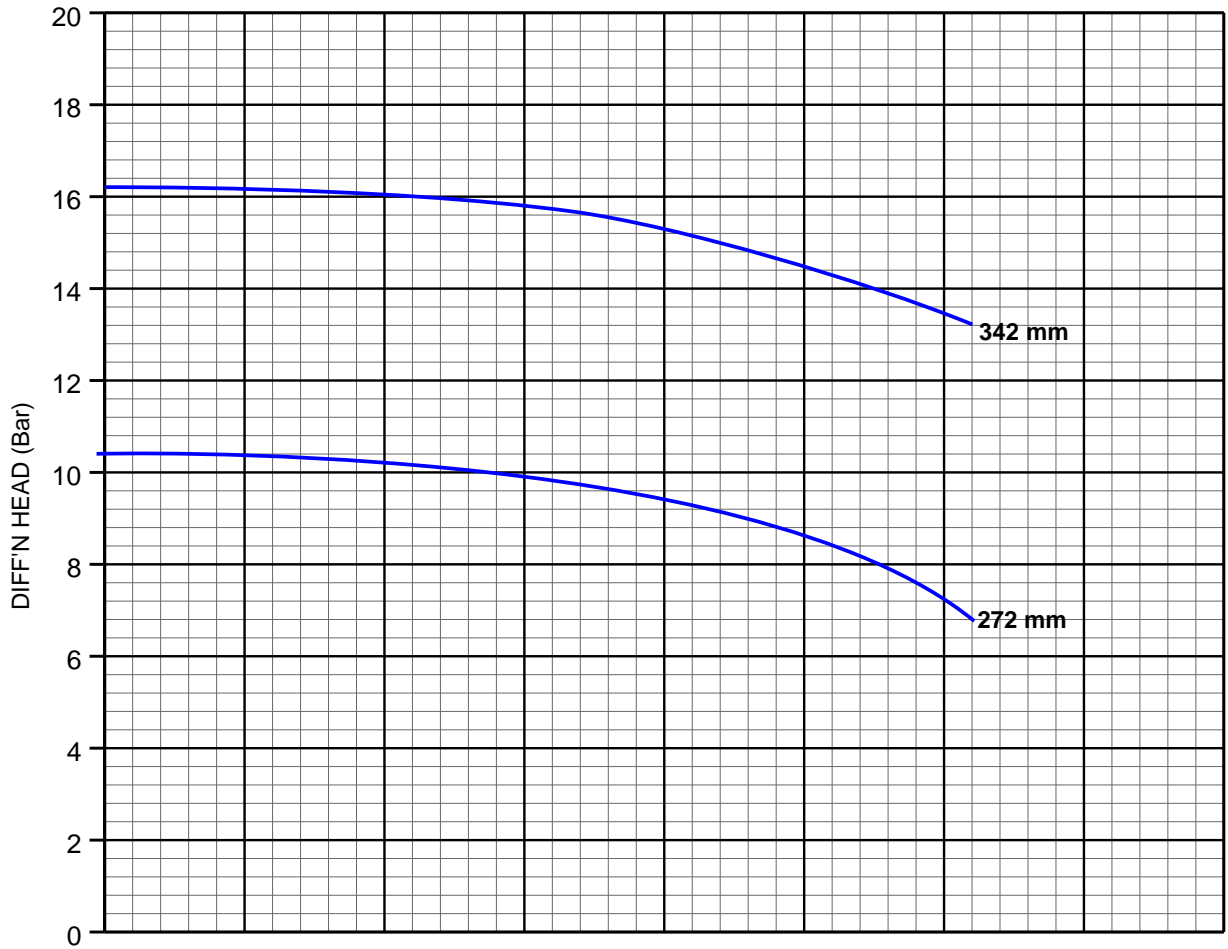
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1000 US GPM

Rated Net Pressure: 148 - 231 psi



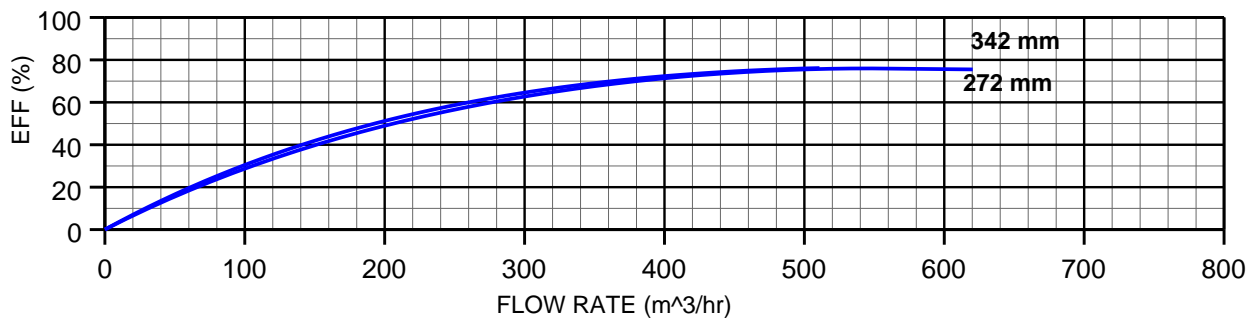
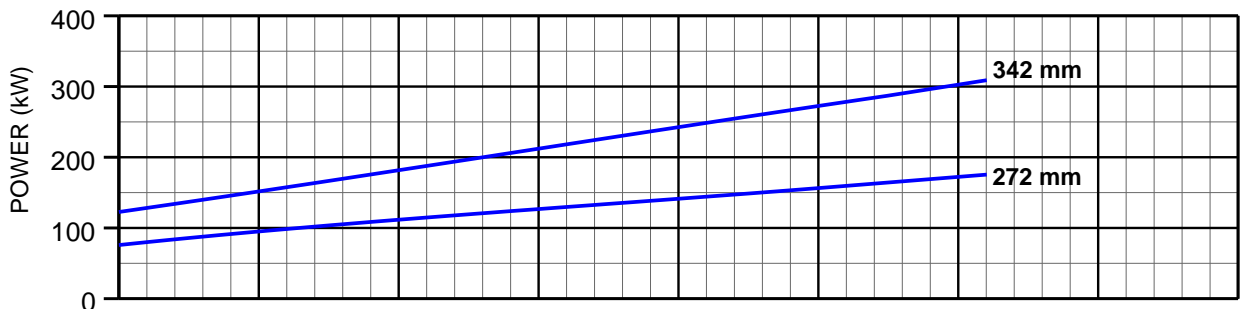
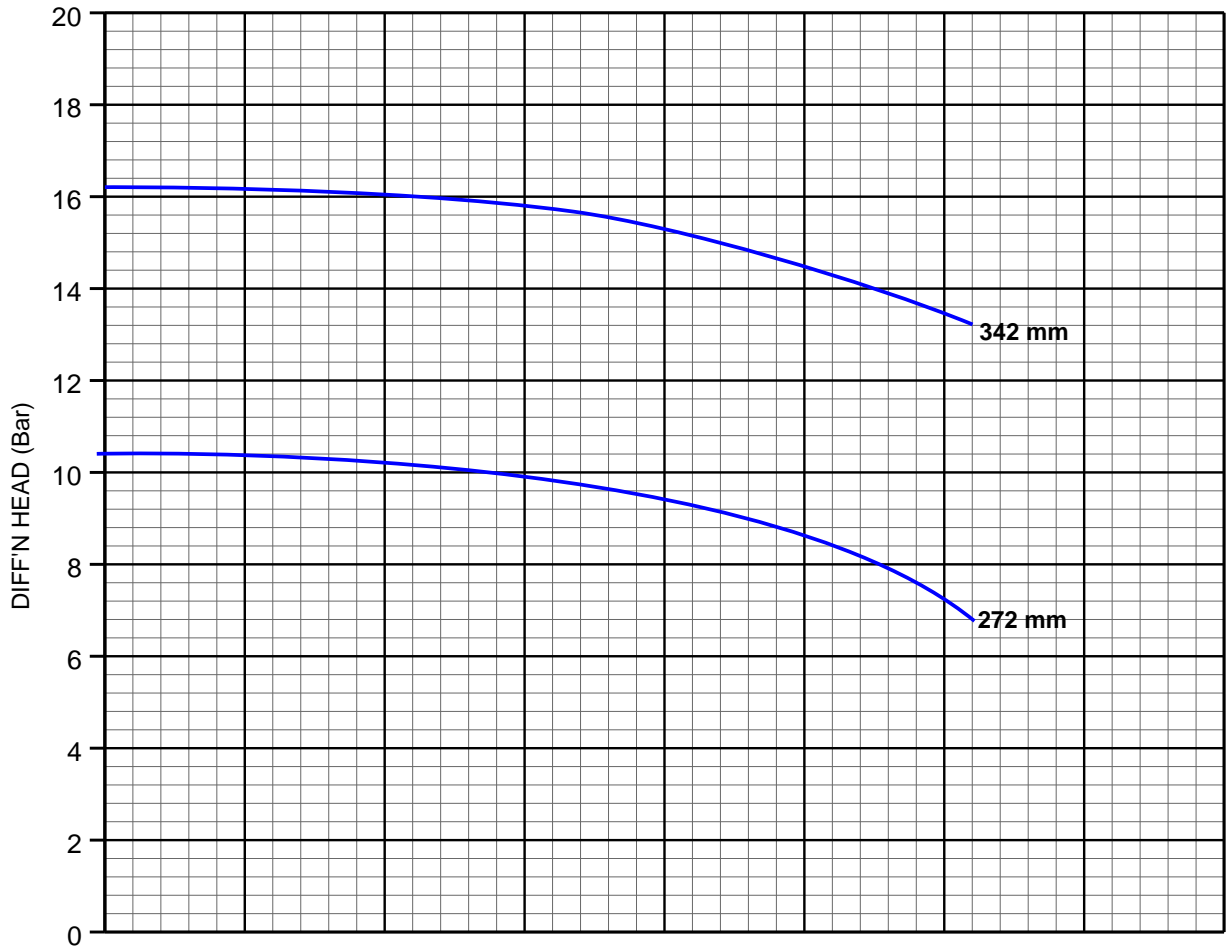
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1250 US GPM

Rated Net Pressure: 144 - 231 psi



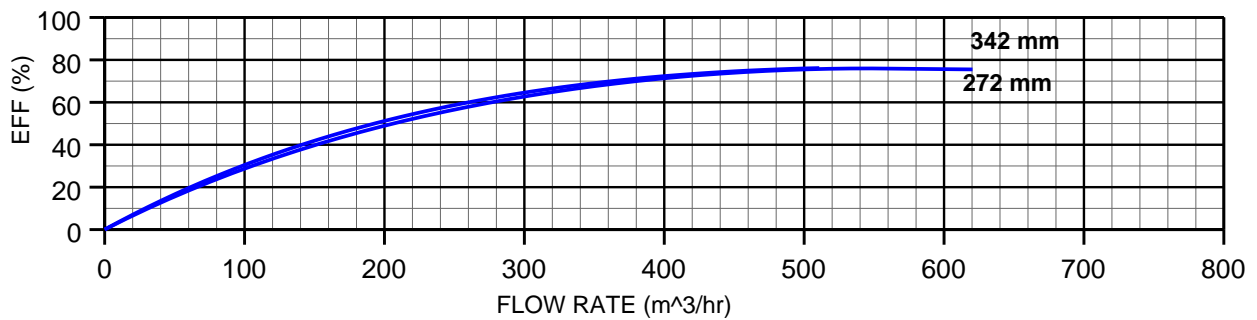
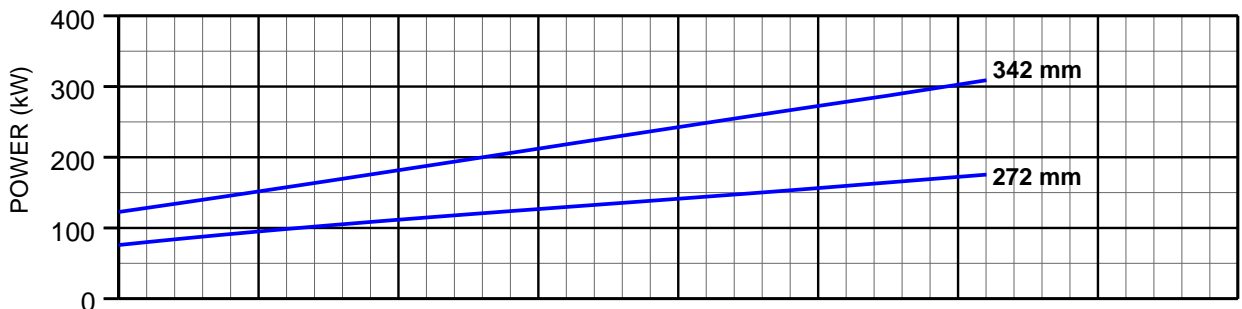
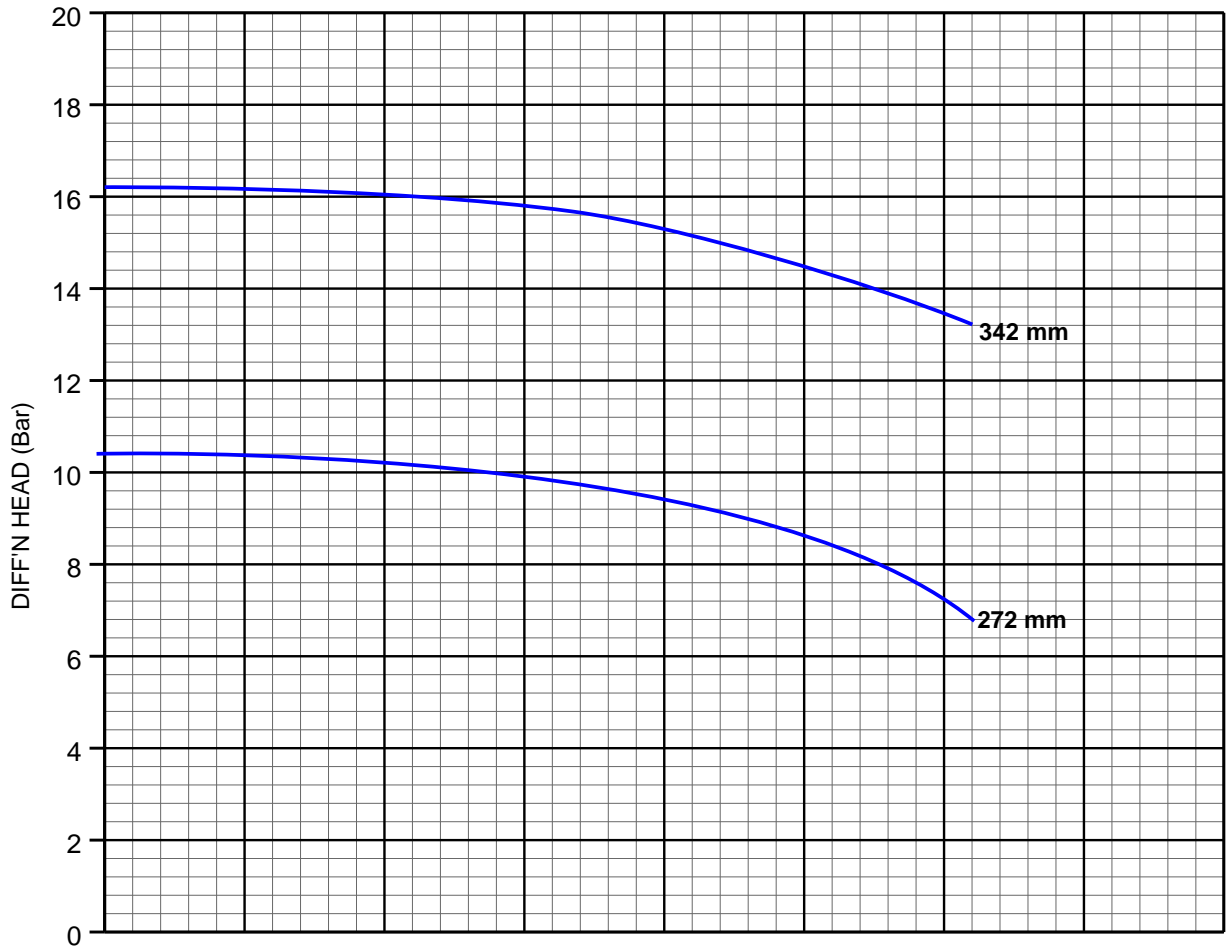
# 50 HZ - Electric Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

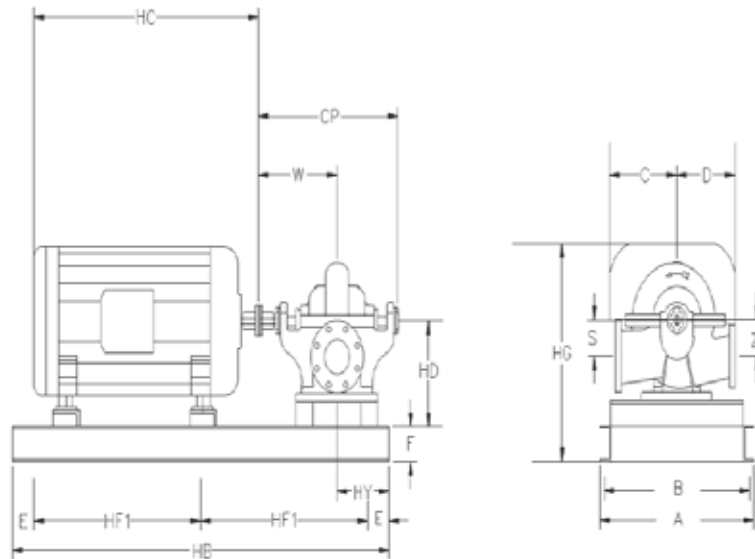
Rated Flow: 1500 US GPM

Rated Net Pressure: 138 - 230 psi



# UL/FM Horizontal Split case fire pumps

## Electric Fire Pump Dimensional Data



| PUMP MODEL  | MOTOR FRAME | SUCTION (in) | DISCHARGE (in) | REFER |
|-------------|-------------|--------------|----------------|-------|
| AKH 80-270  | 326/5TS     | 5            | 3              | A     |
|             | 364/5TS     | 5            | 3              | A     |
|             | 404/5TS     | 5            | 3              | B     |
| AKC 100-320 | 404/5TS     | 6            | 4              | C     |
|             | 444/5TS     | 6            | 4              | D     |
| AKC 125-380 | 444/5TS     | 8            | 5              | F     |

| REFER | S (cm) | Z (cm) | F (cm) | A (cm) | B (cm) | HB (cm) | HF1 (cm) | E (cm) | HY (cm) | HD (cm) | HG (cm) | HC (cm) |
|-------|--------|--------|--------|--------|--------|---------|----------|--------|---------|---------|---------|---------|
| A     | 14     | 14     | 13     | 75     | 68     | 170     | 65       | 20     | 33      | 45      | 90      | 170     |
| B     | 14     | 14     | 13     | 75     | 68     | 170     | 65       | 20     | 33      | 45      | 80      | 170     |
| C     | 17     | 17     | 13     | 75     | 68     | 170     | 65       | 20     | 35      | 48      | 80      | 170     |
| D     | 17     | 17     | 13     | 75     | 68     | 185     | 73       | 20     | 35      | 48      | 95      | 185     |
| E     | 19     | 19     | 13     | 90     | 83     | 190     | 75       | 20     | 40      | 53      | 95      | 190     |
| F     | 19     | 19     | 13     | 90     | 83     | 190     | 75       | 20     | 41      | 53      | 95      | 190     |

### NOTES

1. Pump's rotation is clockwise when viewed from the motor end.
2. Suction and discharge flanges are ASME 16.42 standard class 300.
3. Suction and discharge dimensions are in inches. All the other dimensions are in cm.

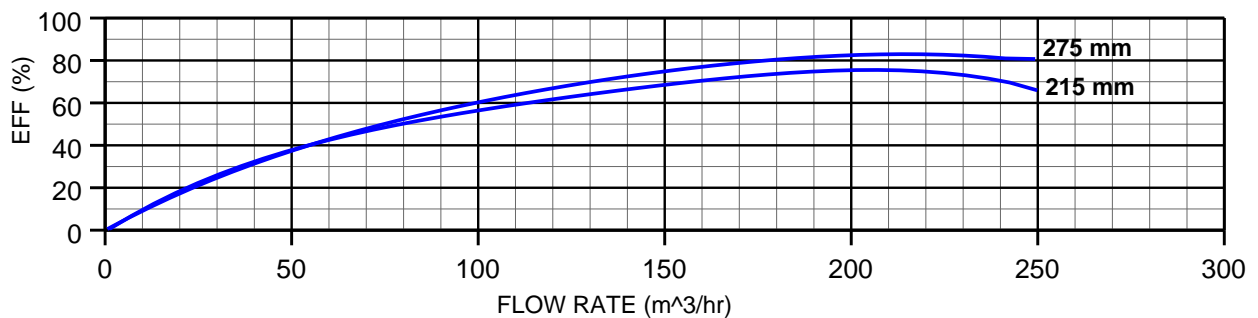
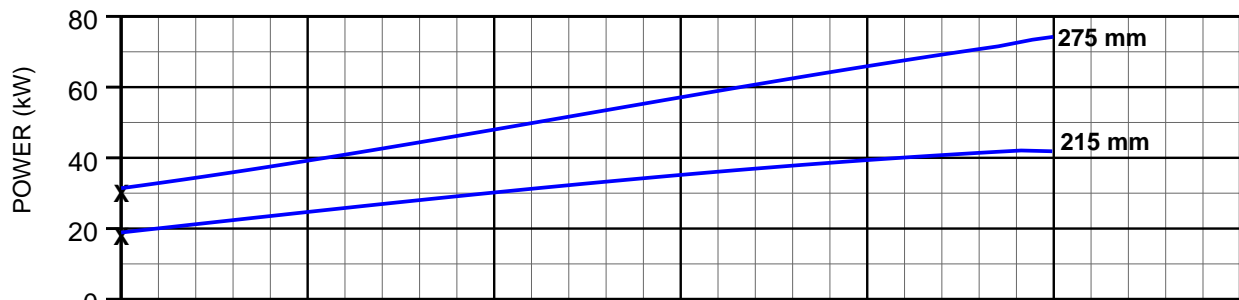
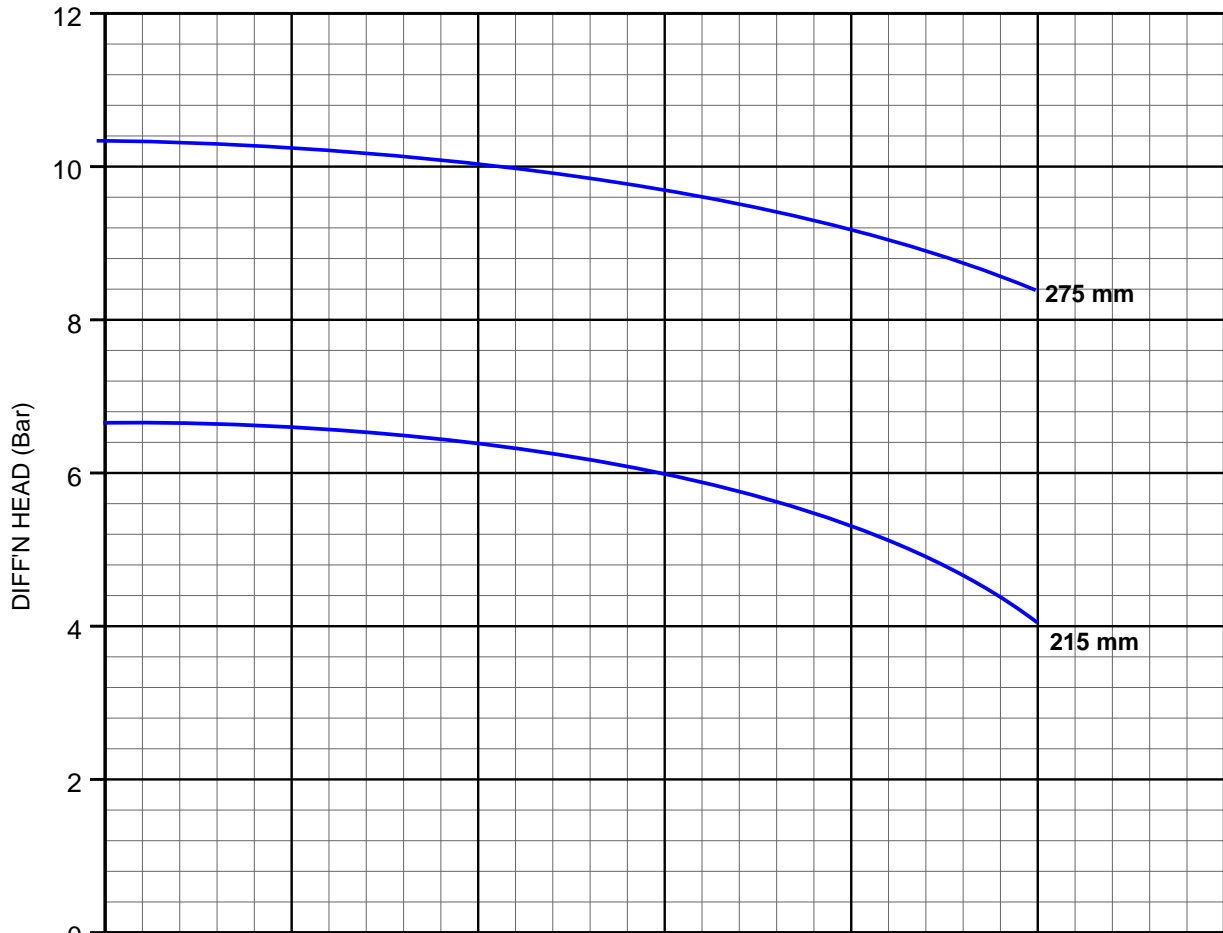
# Diesel Fire Pump



|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 300 US GPM

Rated Net Pressure: 94 - 149 psi



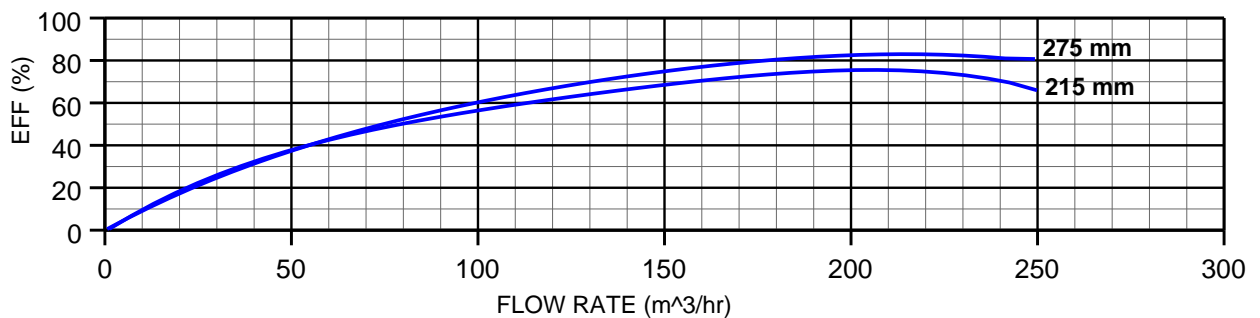
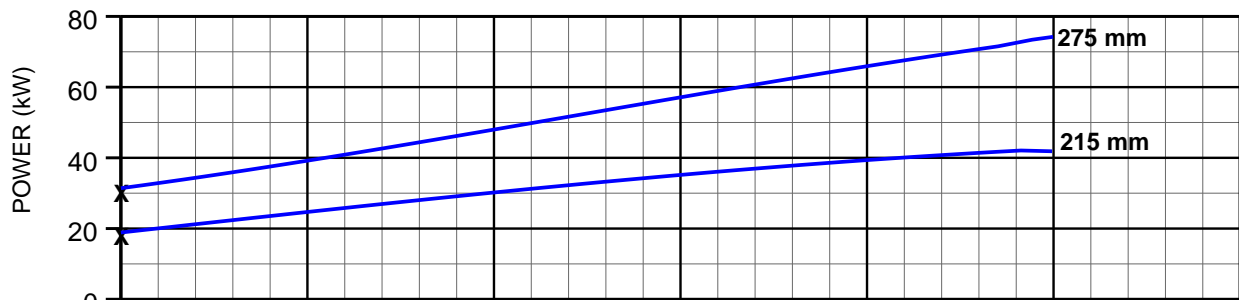
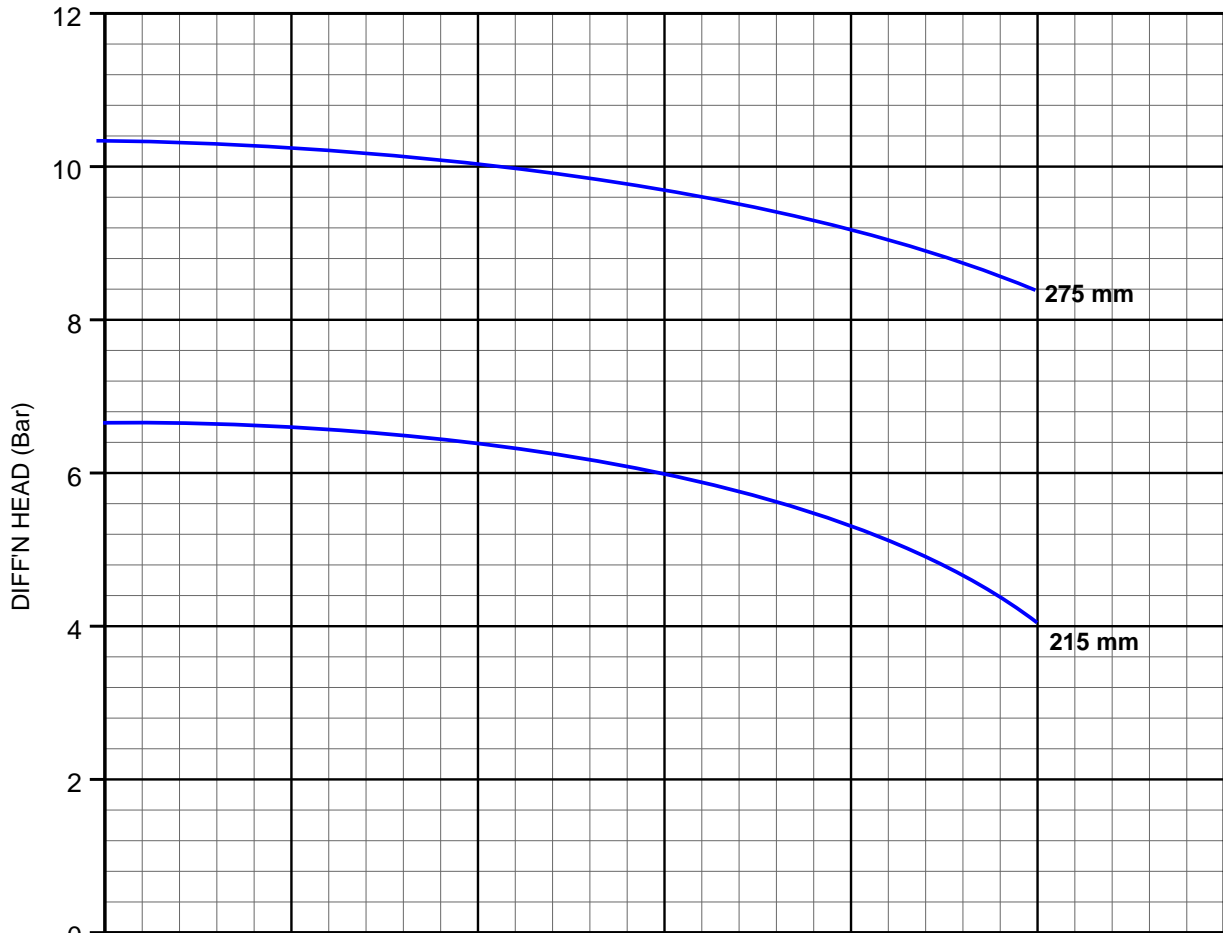
# Diesel Fire Pump



|             |             |
|-------------|-------------|
| PUMP MODEL  | AKH 80-270  |
| PUMP SPEED  | 2900        |
| MEDIUM      | Fresh Water |
| APPLICATION | Fire Pumps  |
| PUMP TYPE   | Split case  |

Rated Flow: 500 US GPM

Rated Net Pressure: 94 - 149 psi





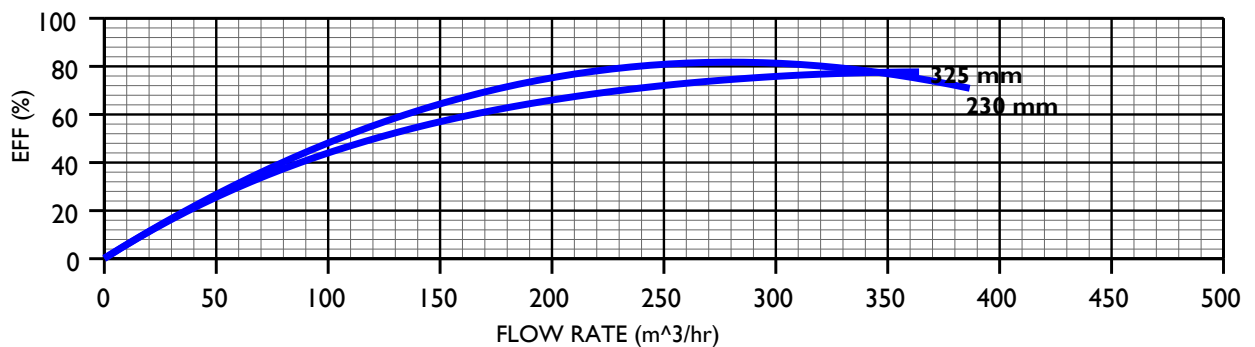
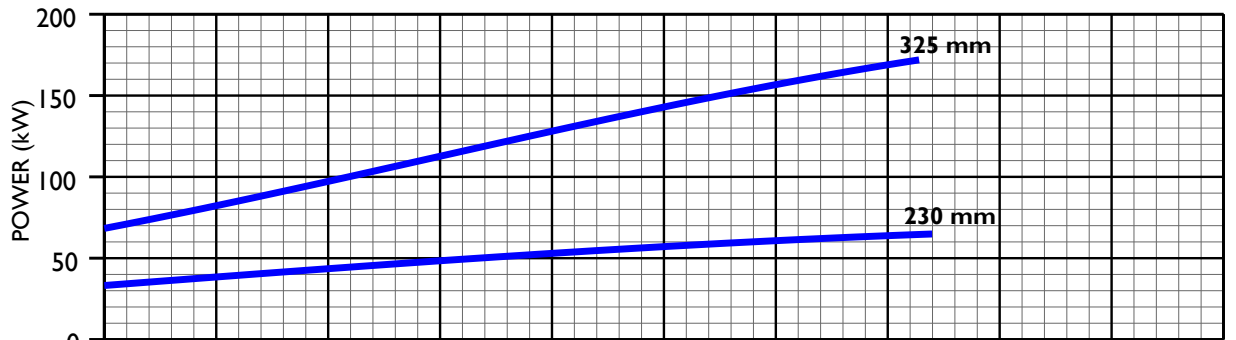
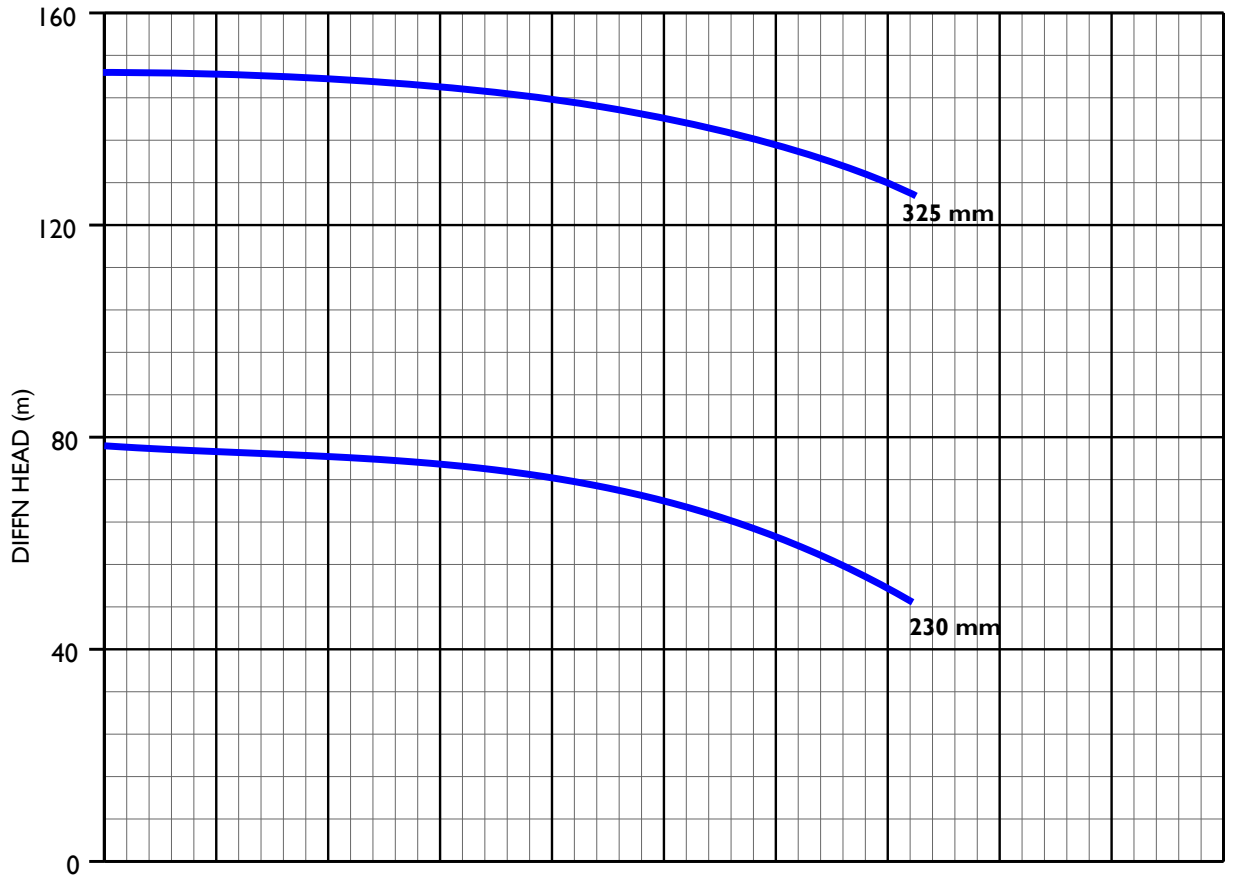
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 500 US GPM

Rated Net Pressure: 112 - 212 psi



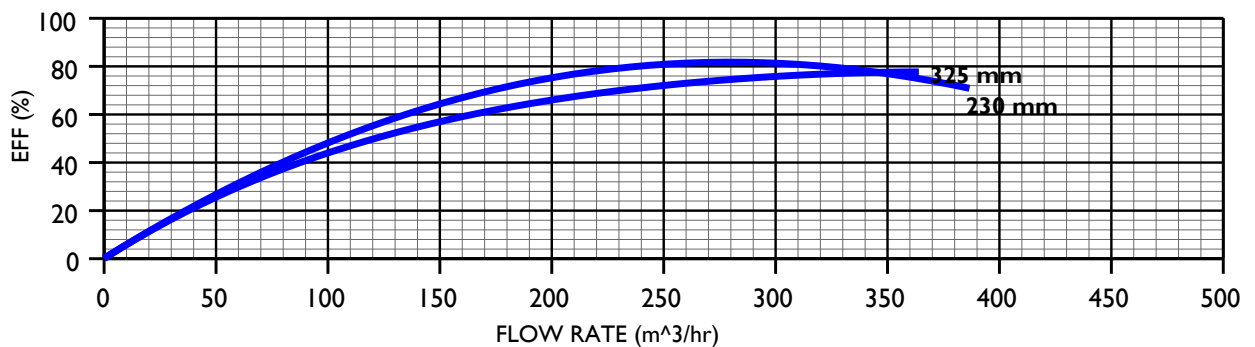
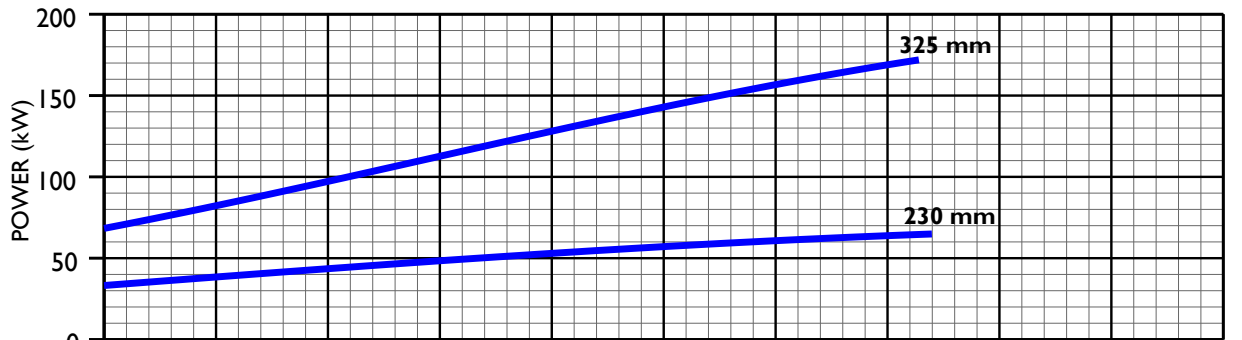
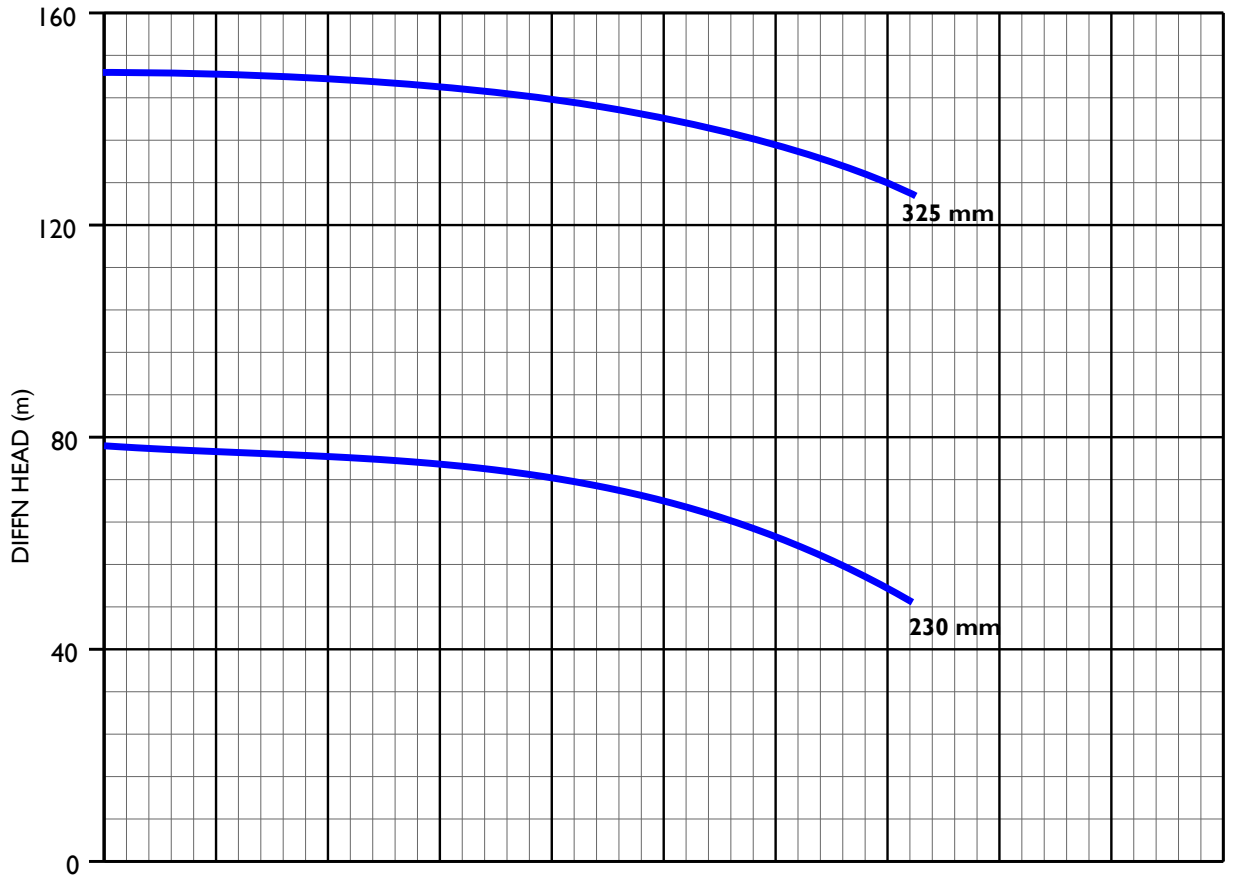
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 750 US GPM

Rated Net Pressure: 105 - 211 psi



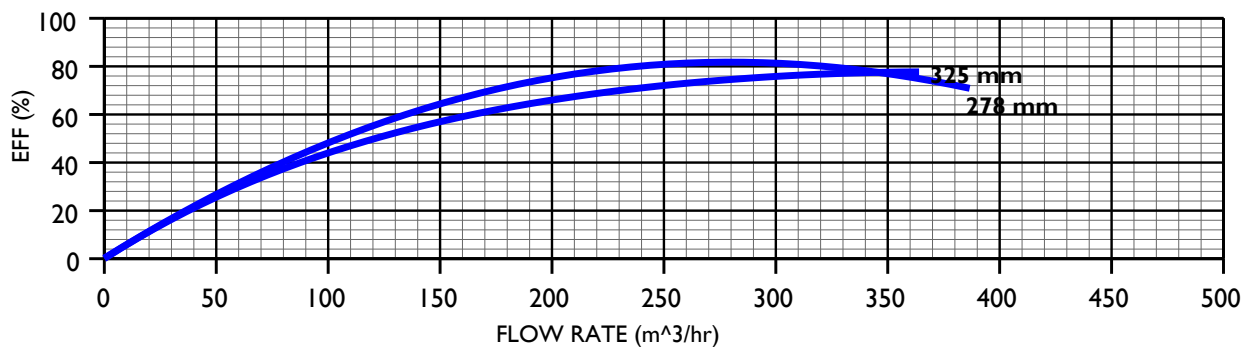
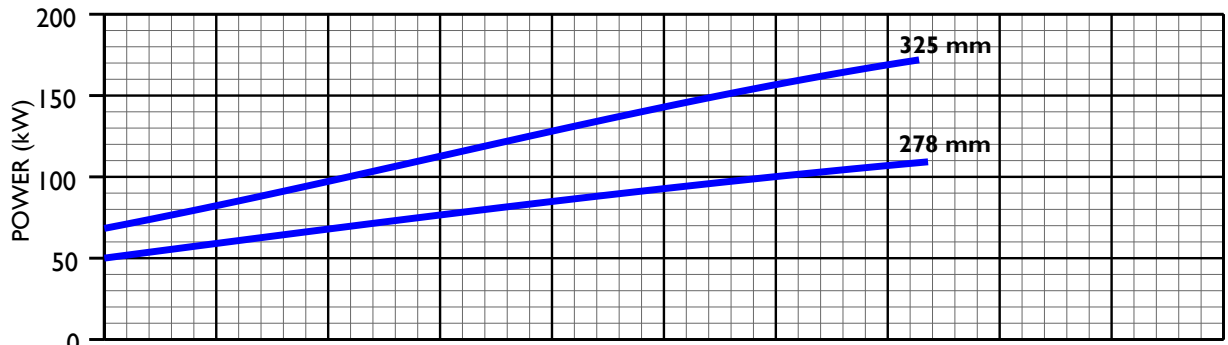
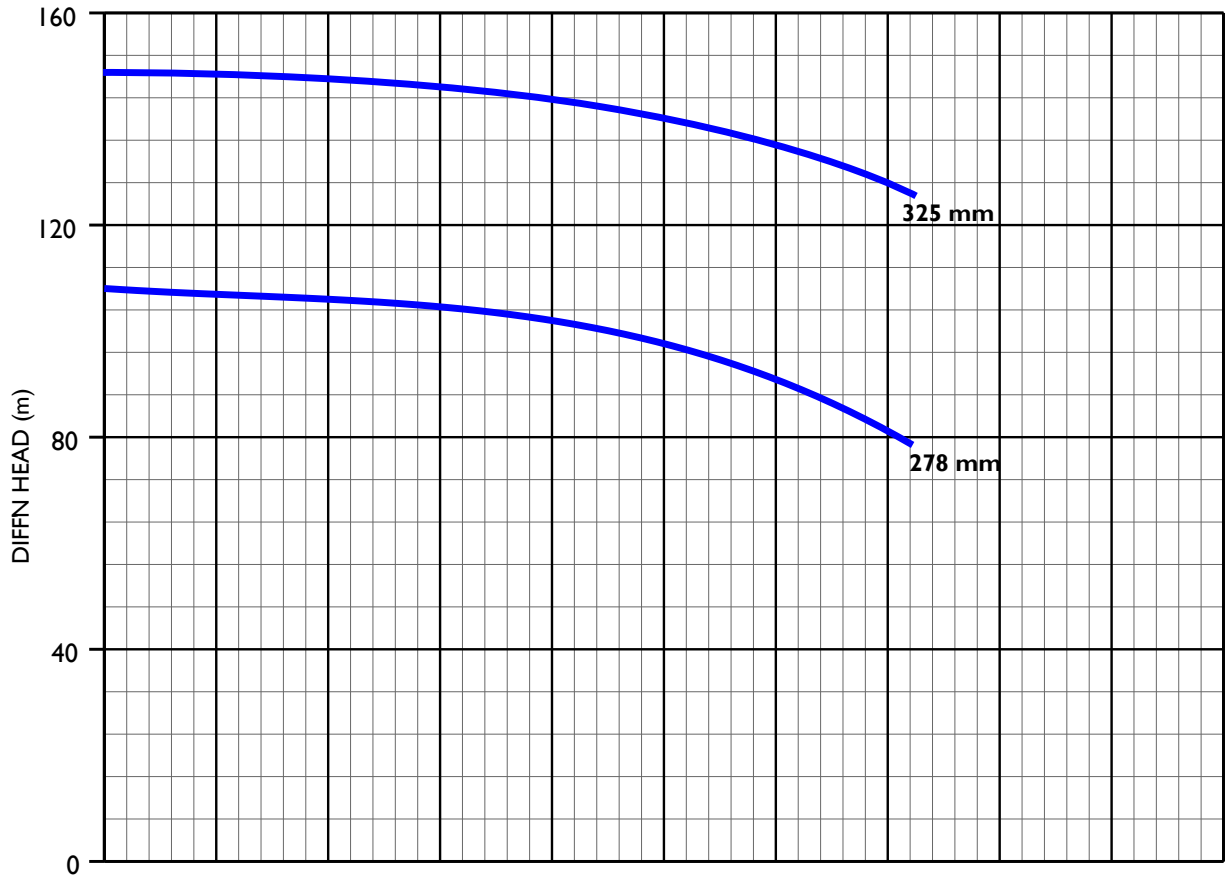
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-100 -320 |
| PUMP SPEED  | 2950         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 750 US GPM

Rated Net Pressure: 105 - 211 psi



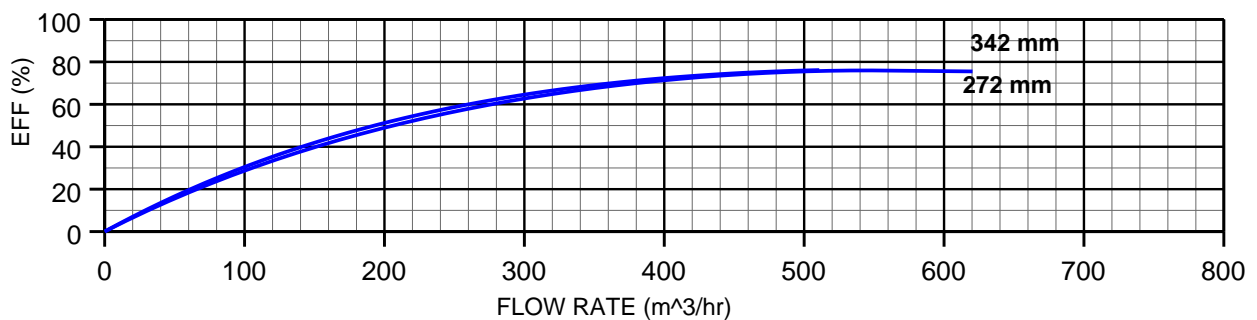
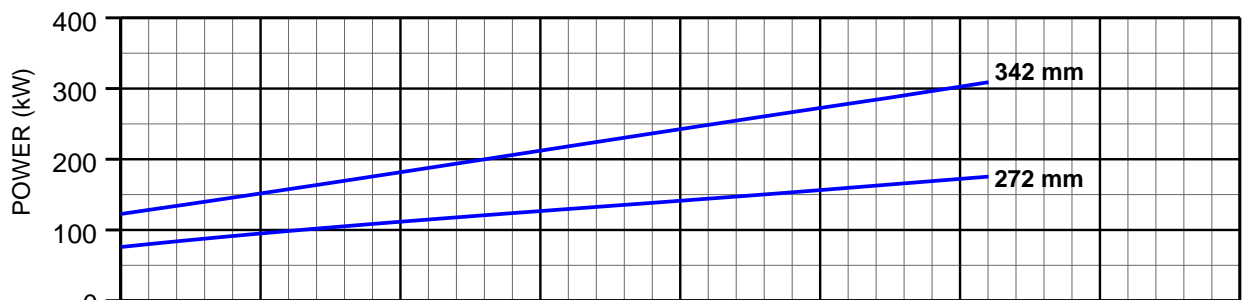
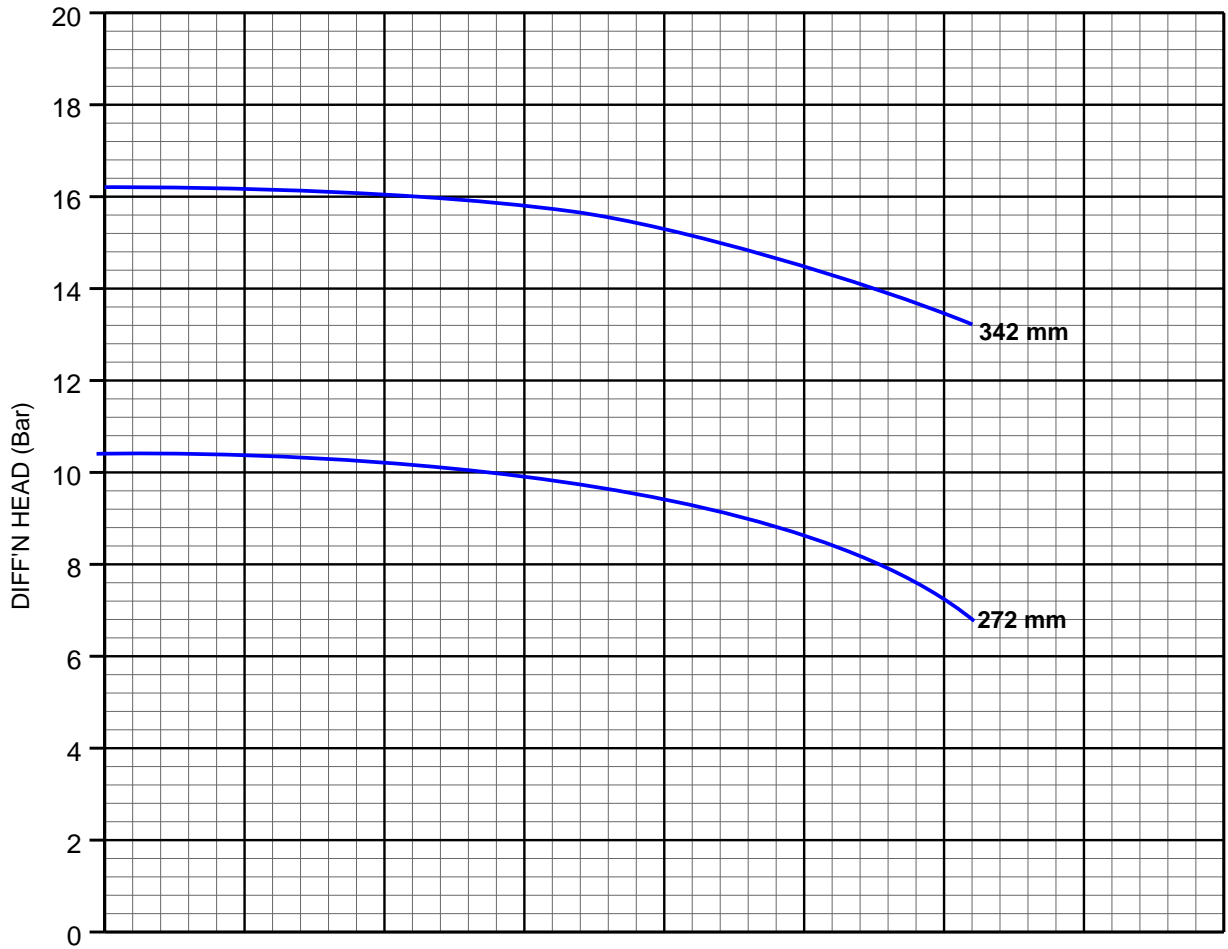
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1000 US GPM

Rated Net Pressure: 148 - 231 psi



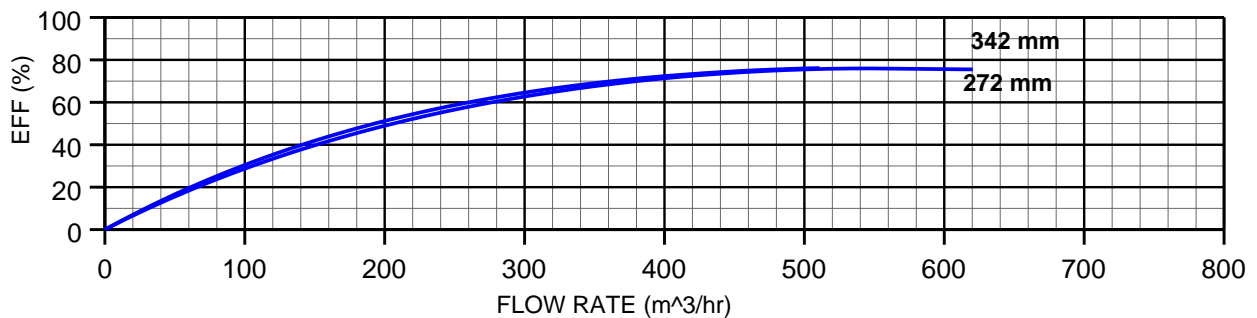
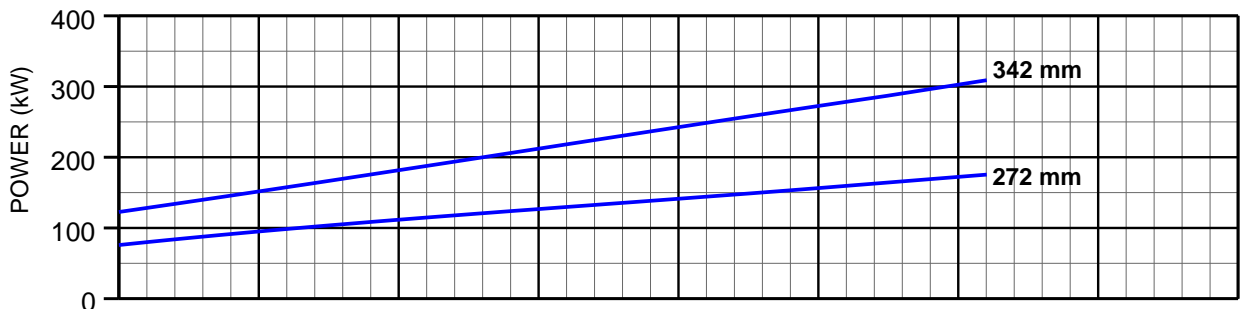
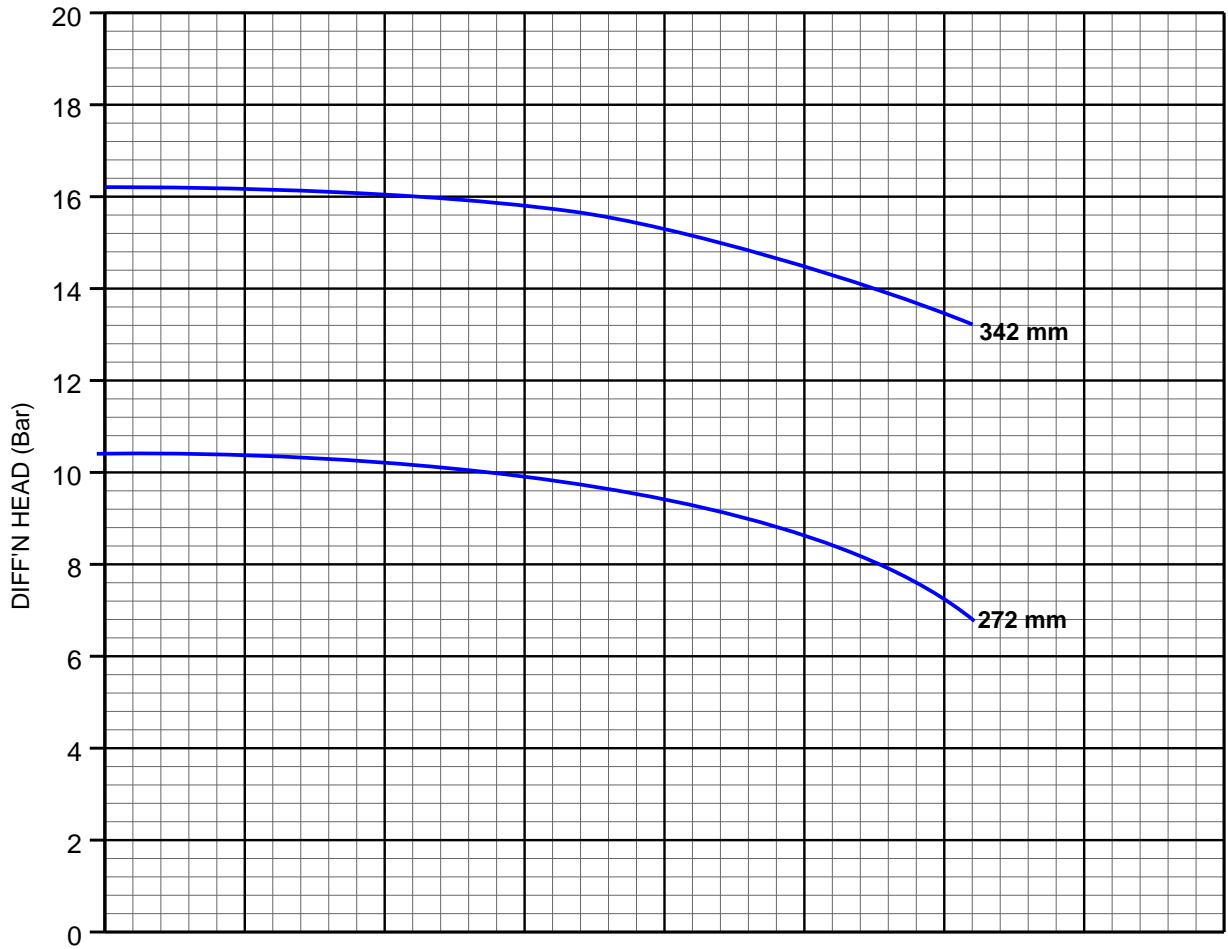
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

Rated Flow: 1250 US GPM

Rated Net Pressure: 144 - 231 psi



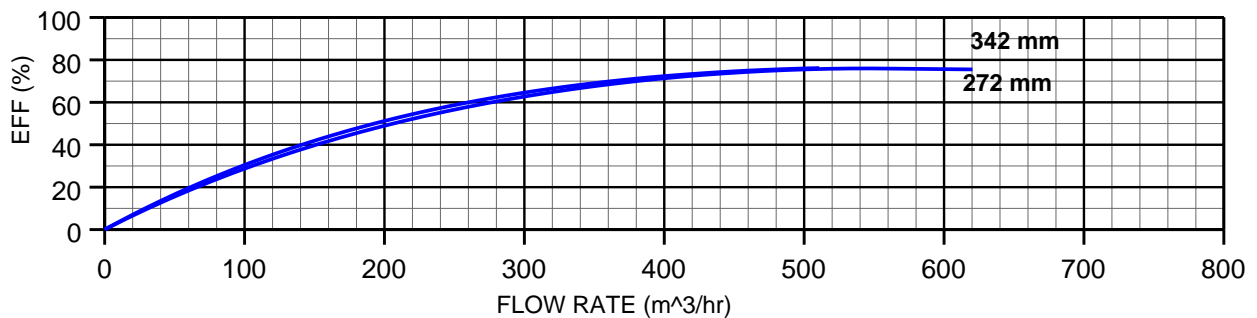
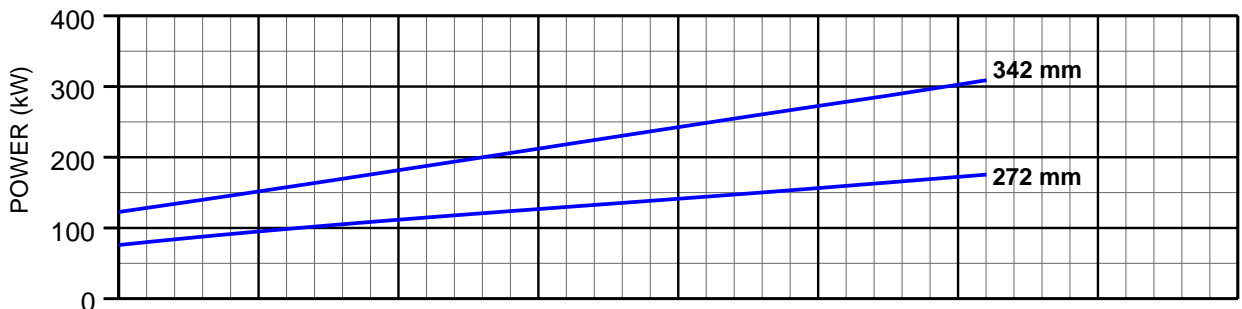
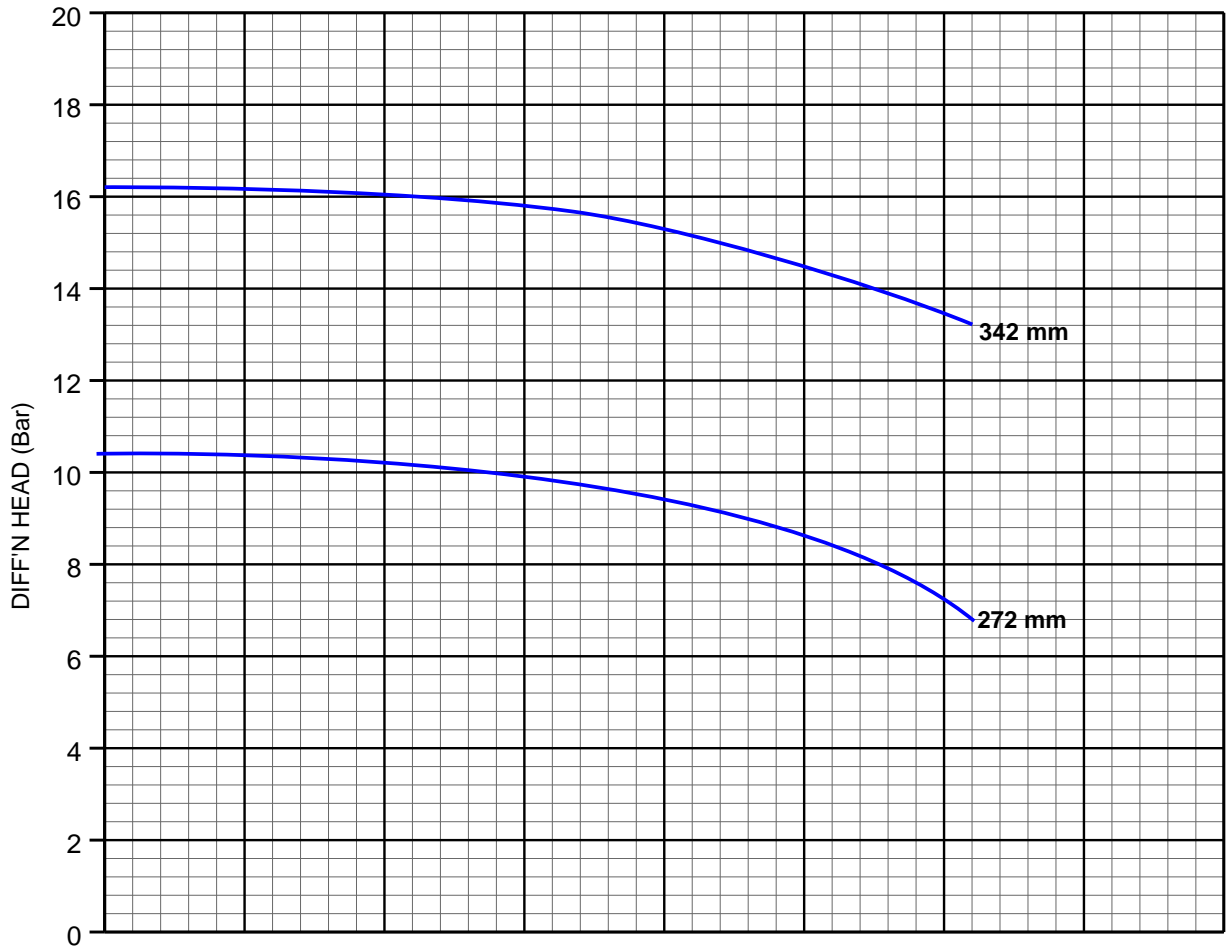
# Diesel Fire Pump



|             |              |
|-------------|--------------|
| PUMP MODEL  | AKC-125 -380 |
| PUMP SPEED  | 2900         |
| MEDIUM      | Fresh Water  |
| APPLICATION | Fire Pumps   |
| PUMP TYPE   | Split case   |

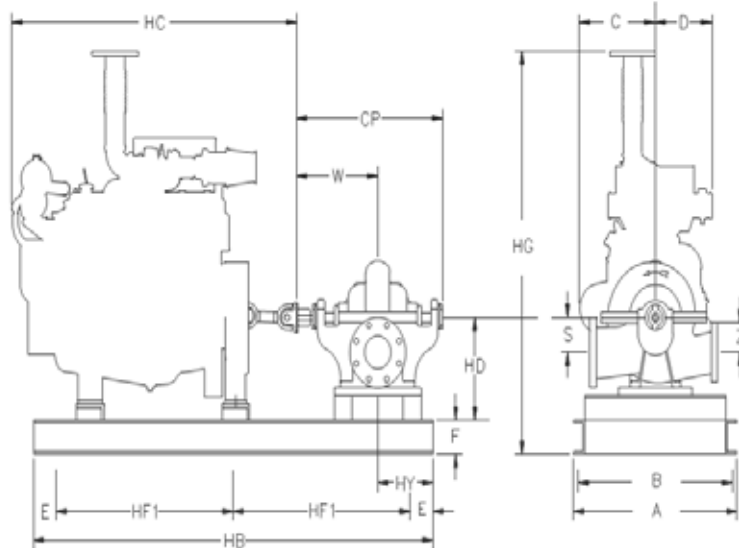
Rated Flow: 1500 US GPM

Rated Net Pressure: 138 - 230 psi



# UL/FM Horizontal Split case fire pumps

## Diesel Fire Pump Dimensional Data



| PUMP MODEL     | SUCTION (in) | DISCHARGE (in) | MANUFACTURER | ENGINE MODEL | REFER |
|----------------|--------------|----------------|--------------|--------------|-------|
| AKH<br>80-270  | 5            | 3              | CLARKE       | JU4H-UF24    | A     |
|                |              |                |              | JU4H-UF34    | B     |
| AKC<br>100-320 | 6            | 4              | CLARKE       | JU4H-UF34    | C     |
|                |              |                |              | JU4H-UF54    | C     |
|                |              |                |              | JU6H-UF34    | D     |
|                |              |                |              | JU6H-UF54    | E     |
| AKC<br>125-380 | 8            | 5              | CLARKE       | JU6H-UF54    | G     |
|                |              |                |              | JU6H-UF84    | G     |

| REFER | S (cm) | Z (cm) | F (cm) | A (cm) | B (cm) | HB (cm) | HF1 (cm) | E (cm) | HY (cm) | HD (cm) | HG (cm) | HC (cm) |
|-------|--------|--------|--------|--------|--------|---------|----------|--------|---------|---------|---------|---------|
| A     | 14     | 14     | 13     | 85     | 78     | 200     | 80       | 20     | 33      | 48      | 147     | 220     |
| B     | 14     | 14     | 13     | 90     | 83     | 200     | 80       | 20     | 33      | 48      | 147     | 220     |
| C     | 17     | 17     | 13     | 90     | 83     | 220     | 90       | 20     | 35      | 48      | 165     | 220     |
| D     | 17     | 17     | 13     | 90     | 83     | 240     | 100      | 20     | 35      | 48      | 165     | 250     |
| E     | 17     | 17     | 13     | 90     | 83     | 240     | 100      | 20     | 35      | 48      | 175     | 250     |
| F     | 19     | 19     | 13     | 90     | 83     | 250     | 105      | 20     | 40      | 53      | 185     | 250     |
| G     | 19     | 19     | 13     | 90     | 83     | 250     | 105      | 20     | 41      | 53      | 185     | 250     |

### NOTES

1. Pump's rotation is clockwise when viewed from the motor end.
2. Suction and discharge flanges are ASME 16.42 standard class 300.
3. Suction and discharge dimensions are in inches. All the other dimensions are in cm.