

PUMP / MOTOR SIZING

The flow rate and pressure determine the size of pump and motor. Select pump motor by horsepower rating & characteristics.

2 GPM PUMP - 1800 RPM MOTOR @ 60° F.

| PRES-SURE (PSI) | FLOW RATE (GPM) | HP REQ. | MOTOR HP |
|-----------------|-----------------|---------|----------|
| 40 | 1.86 | .14 | 1/3* |
| 60 | 1.74 | .18 | 1/3* |
| 80 | 1.62 | .23 | 1/3* |
| 100 | 1.50 | .28 | 1/3 |

* Also ¼ HP DC Motors

4 GPM PUMP - 1800 RPM MOTOR @ 60° F.

| PRES-SURE (PSI) | FLOW RATE (GPM) | HP REQ. | MOTOR HP |
|-----------------|-----------------|---------|----------|
| 40 | 3.41 | .22 | 1/3 |
| 60 | 3.08 | .29 | 1/3 |
| 80 | 3.23 | .36 | 1/2 |
| 100 | 3.03 | .43 | 1/2 |

8 GPM PUMP - 1800 RPM MOTOR @ 60° F.

| PRES-SURE (PSI) | FLOW RATE (GPM) | HP REQ. | MOTOR HP |
|-----------------|-----------------|---------|----------|
| 40 | 7.90 | .55 | 3/4 |
| 60 | 7.50 | .75 | 3/4 |
| 80 | 7.00 | .95 | 1 |
| 100 | 6.50 | 1.15 | 1 ½ |

10 GPM PUMP - 1800 RPM MOTOR @ 60° F.

| PRES-SURE (PSI) | FLOW RATE (GPM) | HP REQ. | MOTOR HP |
|-----------------|-----------------|---------|----------|
| 40 | 10.10 | .90 | 1 |
| 60 | 9.90 | 1.20 | 1 ½ |
| 80 | 9.60 | 1.50 | 1 ½ |
| 100 | 9.40 | 1.75 | 2 |

23 GPM PUMP - 1800 RPM MOTOR @ 60° F.

| PRES-SURE (PSI) | FLOW RATE (GPM) | HP REQ. | MOTOR HP |
|-----------------|-----------------|---------|----------|
| 40 | 22.50 | 1.53 | 1 ½ |
| 60 | 22.10 | 1.92 | 2 |
| 80 | 21.70 | 2.25 | 5 |
| 100 | 21.30 | 2.70 | 5 |

40 GPM PUMP - 1200 RPM MOTOR @ 60° F.

| PRES-SURE (PSI) | FLOW RATE (GPM) | HP REQ. | MOTOR HP |
|-----------------|-----------------|---------|----------|
| 40 | 36.00 | 1.70 | 2 |
| 60 | 34.00 | 2.30 | 5 |
| 80 | 32.00 | 2.80 | 5 |
| 100 | 30.00 | 3.50 | 5 |