

# TECHNICAL DATA SHEET MJ

| PUMP MODEL                 | MJ-50     | MJ-75      | MJ-100     |
|----------------------------|-----------|------------|------------|
| PRODUCT CODE               | 513-0020  | 513-0030   | 513-0040   |
| SUCTION (in)               | 1 1/4     | 1 1/4      | 1 1/4      |
| DISCHARGE (in)             | 1         | 1          | 1          |
| MOTOR CODE                 | 151-1210  | 151-1230   | 151-1250   |
| HP                         | 1/2       | 3/4        | 1          |
| VOLTAGE                    | 115 / 230 | 115 / 230  | 115 / 230  |
| AMPERAGE                   | 8,2 / 4,2 | 10,4 / 5,2 | 12,8 / 6,4 |
| SF                         | 1.6       | 1.5        | 1.4        |
| PHASES                     | 1         | 1          | 1          |
| MOTOR TYPE                 | ODP       | ODP        | ODP        |
| PUMP LENGTH (in)           | 15.5      | 15.5       | 15.5       |
| PUMP WIDTH (in)            | 9.5       | 9.5        | 9.5        |
| PUMP HEIGHT (in)           | 10.0      | 10.0       | 10.0       |
| MOTOR WEIGHT (lbs)         | 17        | 23         | 23         |
| COMPLETE PUMP WEIGHT (lbs) | 46        | 50         | 52         |

## FEATURES

|                                                                                                         |
|---------------------------------------------------------------------------------------------------------|
| High-performance Noryl impeller                                                                         |
| Self-lubricating mechanical seal made of carbon and ceramic for increased durability                    |
| 0-100 PSI pressure gauge                                                                                |
| Pump body and mechanical seal plate made of fine-grain cast iron treated with corrosion-resistant paint |
| Stainless steel plugs and fittings for the pressure line connection                                     |
| Stainless steel shaft for electric motors                                                               |
| Greater capacity                                                                                        |
| Impeller screwed onto the motor shaft, eliminating vibrations                                           |
| Innovative stainless steel disc for easier maintenance and reduced corrosion                            |
| Injector included for shallow and deep wells                                                            |

| PERFORMANCE TABLE - SHALLOW WELL |     |                    |                          |                              |      |      |     |     |
|----------------------------------|-----|--------------------|--------------------------|------------------------------|------|------|-----|-----|
| MODEL                            | HP  | VENTURI AND NOZZLE | DISCHARGE PRESSURE (PSI) | DEPTH (Feet)                 |      |      |     |     |
|                                  |     |                    |                          | 5                            | 10   | 15   | 20  | 25  |
|                                  |     |                    |                          | CAPACITY (US GALLONS / HOUR) |      |      |     |     |
| REGULAR PRESSURE                 |     |                    |                          |                              |      |      |     |     |
| MJ-50                            | 1/2 | 326                | 20                       | 1040                         | 920  | 790  | 560 | 430 |
|                                  |     |                    | 30                       | 1010                         | 890  | 780  | 550 | 420 |
|                                  |     |                    | 40                       | 800                          | 750  | 690  | 510 | 380 |
| MJ-75                            | 3/4 | 366                | 20                       | 1350                         | 1185 | 1070 | 800 | 570 |
|                                  |     |                    | 30                       | 1340                         | 1165 | 1060 | 795 | 565 |
|                                  |     |                    | 40                       | 1000                         | 940  | 880  | 740 | 480 |
| MJ-100                           | 1   | 386                | 20                       | 1430                         | 1225 | 1150 | 875 | 650 |
|                                  |     |                    | 30                       | 1430                         | 1215 | 1130 | 870 | 650 |
|                                  |     |                    | 40                       | 1260                         | 990  | 940  | 780 | 595 |
| HIGH PRESSURE                    |     |                    |                          |                              |      |      |     |     |
| MJ-50                            | 1/2 | 287                | 30                       | 780                          | 710  | 612  | 510 | 410 |
|                                  |     |                    | 40                       | 590                          | 530  | 460  | 380 | 315 |
|                                  |     |                    | 50                       | 370                          | 340  | 300  | 250 | 205 |
|                                  |     |                    | 60                       | 185                          | 170  | 150  | 125 | 100 |
| MJ-75                            | 3/4 | 327                | 30                       | 1080                         | 975  | 845  | 700 | 565 |
|                                  |     |                    | 40                       | 990                          | 895  | 775  | 640 | 520 |
|                                  |     |                    | 50                       | 670                          | 605  | 525  | 440 | 360 |
|                                  |     |                    | 60                       | 380                          | 345  | 300  | 250 | 210 |
| MJ-100                           | 1   | 347                | 30                       | 1160                         | 1050 | 910  | 750 | 610 |
|                                  |     |                    | 40                       | 1150                         | 1040 | 900  | 740 | 600 |
|                                  |     |                    | 50                       | 840                          | 760  | 660  | 550 | 450 |
|                                  |     |                    | 60                       | 490                          | 450  | 390  | 325 | 270 |