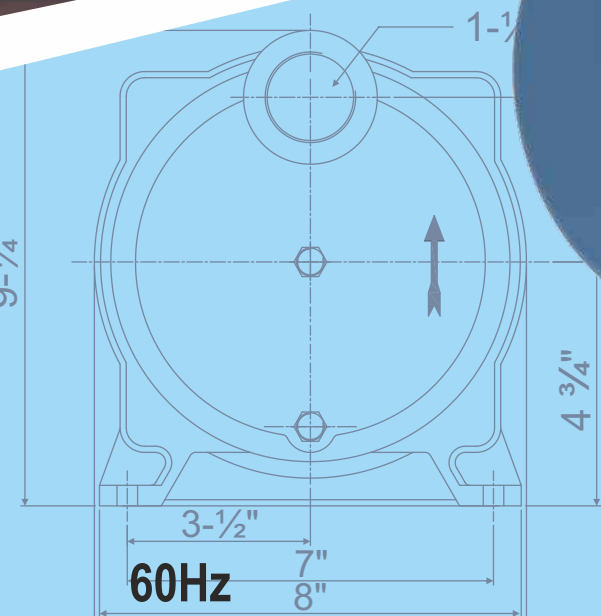
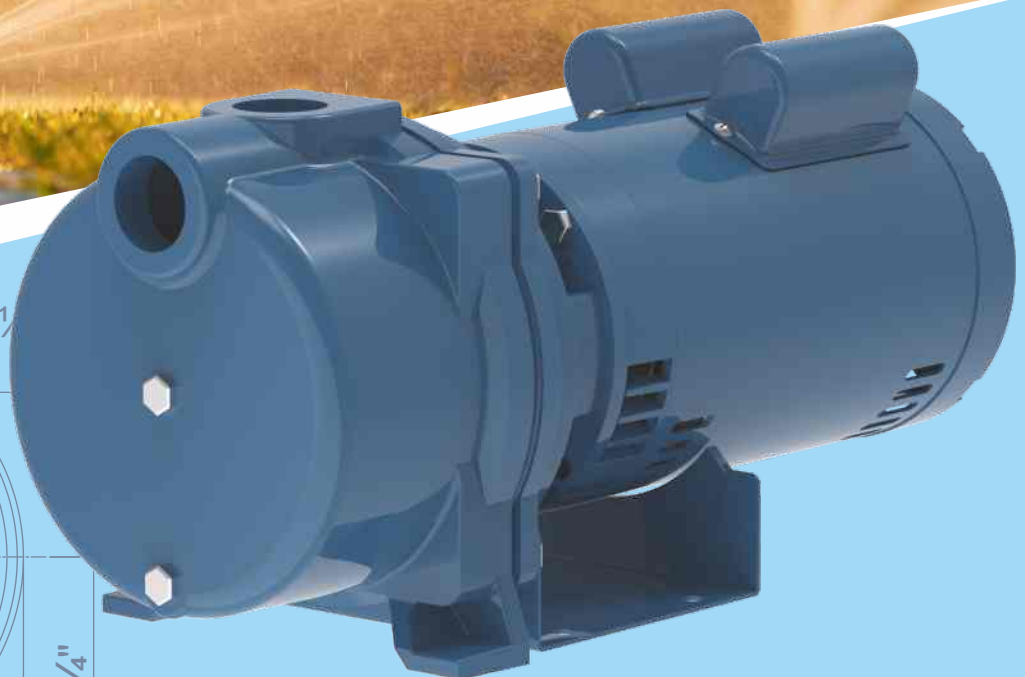


NG SERIES



# Self-Priming Lawn Sprinkler Pump

CAST IRON



PRODUCT CATALOGUE

[www.northam-inc.com](http://www.northam-inc.com)

## SELF-PRIMING LAWN SPRINKLER PUMP

### CAST IRON

### GENERAL DATA

### FEATURES

- ▶ Once primed initially, it will prime again when the water level rises above the end of the suction pipe. due to self priming design.
- ▶ Back pullout design allows disassembly of pump for service without disturbing piping during servicing.
- ▶ Thermoplastic impeller, diffuser and tube fittings are made from abrasion resistant composite material. Stainless steel wear ring is provided in diffuser for extended performance in abrasive conditions.
- ▶ CED Coating of Grey Iron Parts for rust prevention and aesthetics.
- ▶ Cast iron casing has tapped openings for vacuum gauge and casing drain.
- ▶ Pump is Powered for Continuous Operation Can be operated continuously without damage.
- ▶ Mechanical Seal with Carbon/Ceramic faces, BUNA elastomer and 300 series stainless steel metal parts.

### SPECIFICATIONS

#### Pump :

- ▶ Inlet: 1-1/2" NPT suction,
- ▶ Outlet: 1-1/2" NPT discharge
- ▶ Discharge: to 85 GPM at 5 feet suction lift.
- ▶ Heads: to 119 feet.
- ▶ Reprime capabilities: to 25 feet suction lift.
- ▶ Maximum working pressure: 125 PSI.
- ▶ Maximum water temperature: 140° F (60°C).
- ▶ Clockwise rotation when viewed from motor end.

#### Motor :

- ▶ NEMA 56J frame open drip proof.
- ▶ 60 Hz, 3450 RPM. 1 - Phase.
- ▶ Stainless steel shaft.
- ▶ Voltage Range 115/230 for 1 - Phase. Built-in overload protector with automatic reset.
- ▶ All models in ODP motor.
- ▶ TEFC motor models are available as optional.

### APPLICATIONS

- ▶ Irrigation
- ▶ Heat pumps
- ▶ Lawn sprinkling
- ▶ Air conditioning systems
- ▶ Water transfer
- ▶ Dewatering

### OPERATING RANGE & CONDITIONS

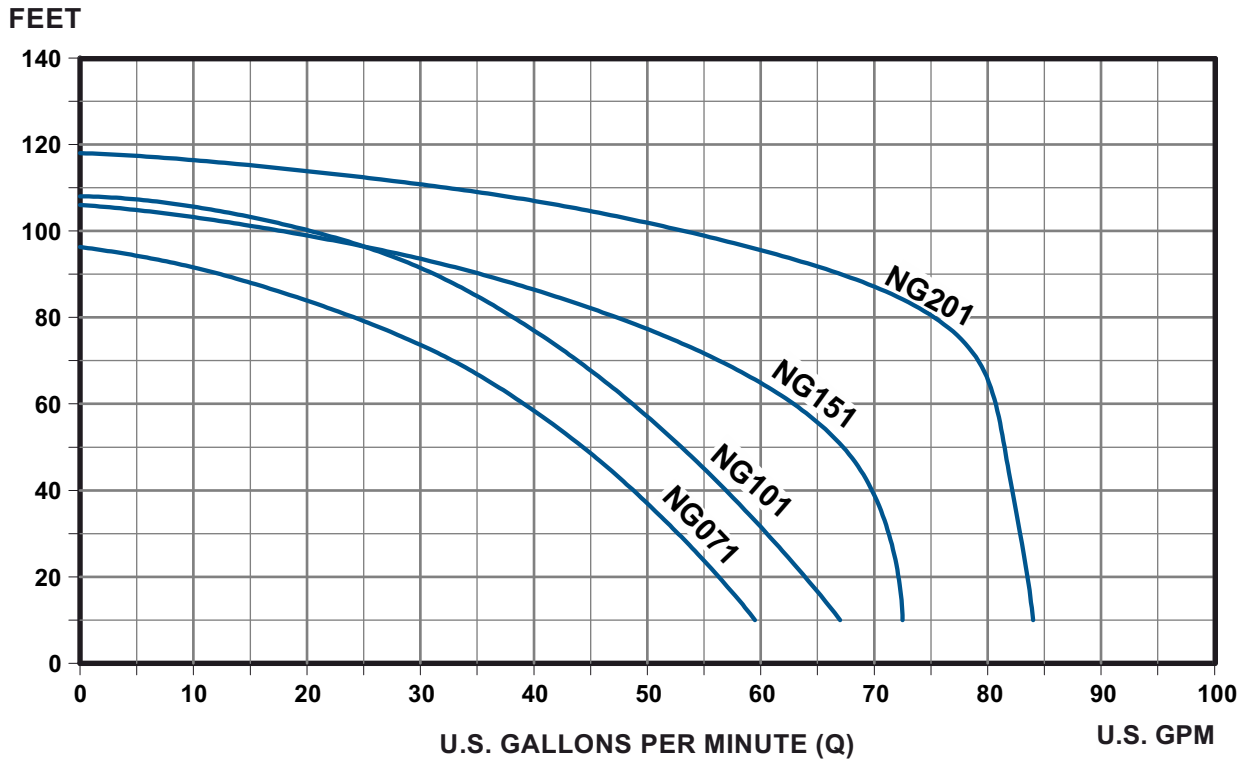
|                      |                   |
|----------------------|-------------------|
|                      |                   |
| Ratings              | 3/4 - 2.0 HP      |
| Liquid temperature   | +32 °F to +140 °F |
| Max. amb temperature | 104°F             |

## SELF-PRIMING LAWN SPRINKLER PUMP

### CAST IRON PERFORMANCE

| Model   | HP    | Voltage | Discharge Pressure (PSI) at 5' lift |    |    |    | Max. Press. (PSI) | Max. Flow. (GPM) |
|---------|-------|---------|-------------------------------------|----|----|----|-------------------|------------------|
|         |       |         | 20                                  | 20 | 30 | 40 |                   |                  |
| 1 Phase |       |         | Gallons Per Minute                  |    |    |    |                   |                  |
| NG071   | 3/4   | 115/230 | 55                                  | 47 | 33 | 10 | 42                | 55               |
| NG101   | 1     | 115/230 | 63                                  | 54 | 44 | 29 | 47                | 63               |
| NG151   | 1-1/2 | 115/230 | 72                                  | 68 | 57 | 34 | 46                | 72               |
| NG201   | 2     | 230     | 83                                  | 82 | 79 | 65 | 51                | 83               |

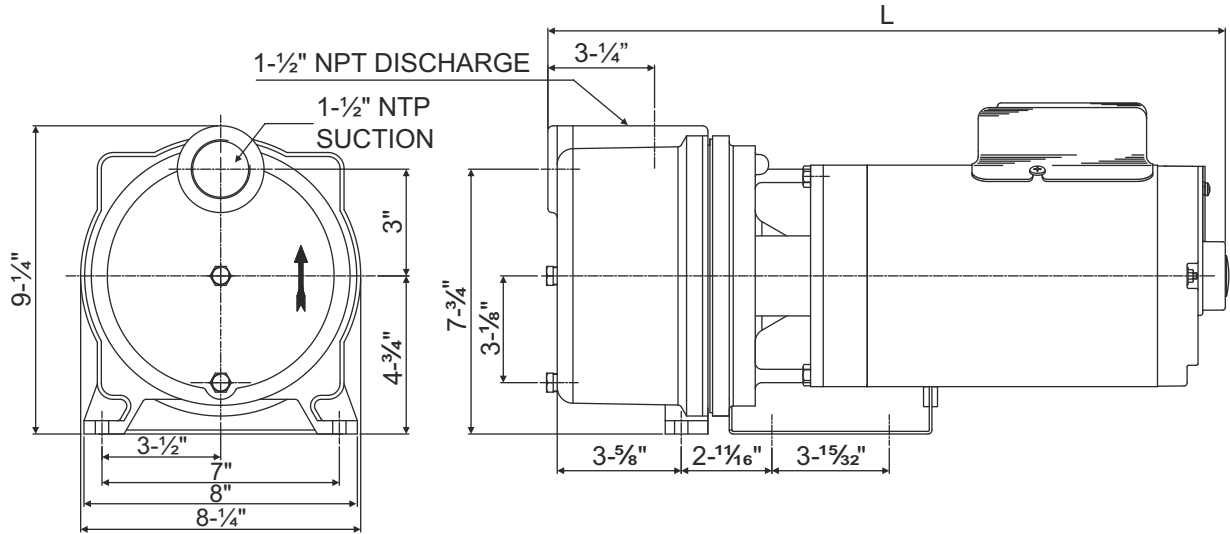
### PERFORMANCE CURVE



## SELF-PRIMING LAWN SPRINKLER PUMP

### CAST IRON

### DIMENSIONS



| Model | HP    | Phase | LENGTH (L) | WIDTH (W) | HEIGHT (H) | Weight [lbs] |
|-------|-------|-------|------------|-----------|------------|--------------|
| NG071 | 3/4   | 1     | 19-1/4"    | 8-1/4"    | 9-1/4"     | 59           |
| NG101 | 1     | 1     | 19-1/2"    | 8-1/4"    | 9-1/4"     | 62           |
| NG151 | 1-1/2 | 1     | 21-1/8"    | 8-1/4"    | 9-1/4"     | 70           |
| NG201 | 2     | 1     | 21-3/4"    | 8-1/4"    | 9-1/4"     | 74           |