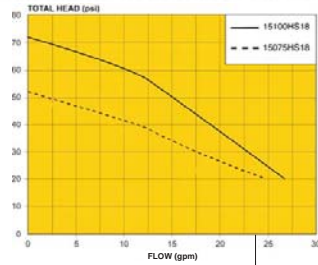


# Dimensions

| Model     | A    | B    | C   | D   | E   | F   | Inlet NPT | Outlet BSP* | Net Wt. (lbs) |
|-----------|------|------|-----|-----|-----|-----|-----------|-------------|---------------|
| 15075HS18 | 16.0 | 23.8 | 8.1 | 5.7 | 7.2 | 5.8 | 1 1/4" F  | 1" F        | 25.4          |
| 15100HS18 | 17.0 | 23.8 | 8.1 | 5.7 | 8.2 | 5.8 | 1 1/4" F  | 1" F        | 28.5          |

\* Pump equipped with Stainless Steel flexible hose to convert from BSP thread to NPT.

# Performance Curve

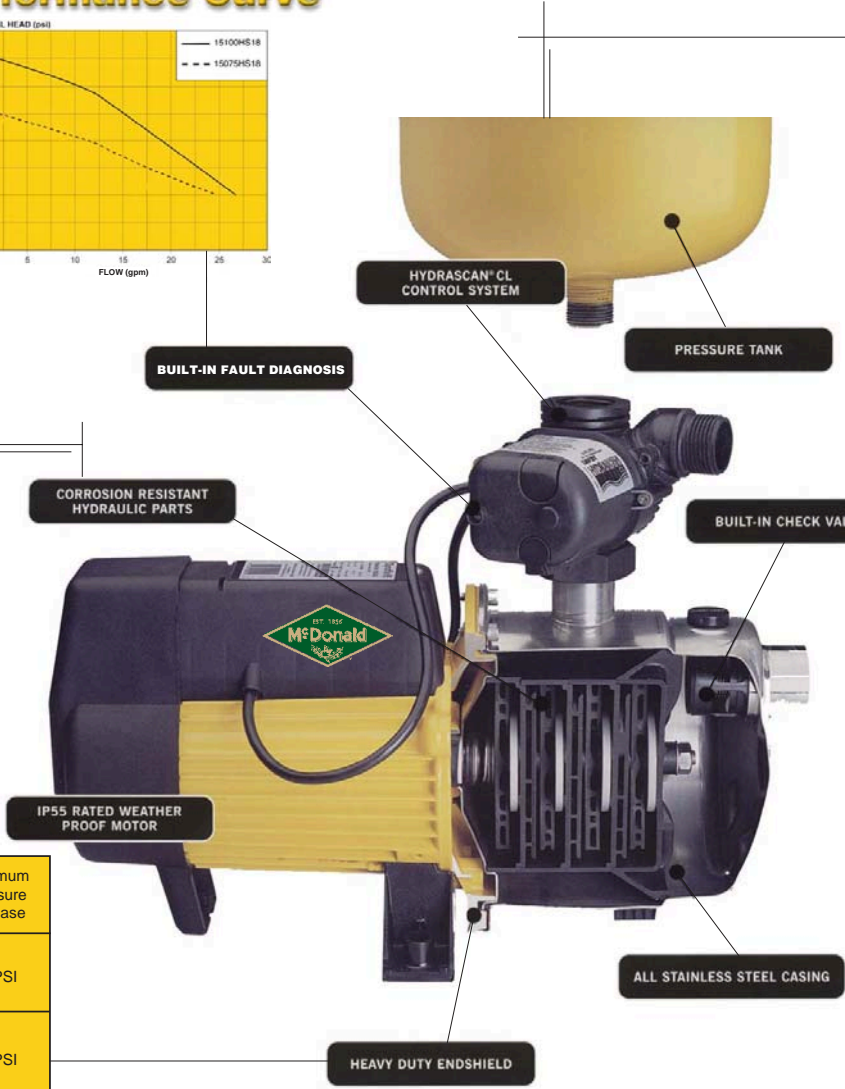


# Performance Table

|   | Discharge Pressure in PSI | Capacity in US Gallons per minute Suction Lift in feet |      |      |      |      |      | Maximum Pressure Increase |
|---|---------------------------|--|------|------|------|------|------|---------------------------|
|   |                           | 0  | 5    | 10   | 15   | 20   | 25   |                           |
| <b>15075HS18</b><br>Large homes   | 20                        | 22.6   | 21.5 | 20.6 | 19.3 | 17.9 | 17.2 | 52 PSI                    |
|   | 30                        | 18.4   | 16.6 | 15.8 | 14.8 | 12.9 | 11.6 |                           |
|   | 40                        | 13.2   | 10.6 | 8.9  | 7.1  | 5.3  | 2.1  |                           |
| <b>15100HS18</b><br>Average to large homes with double stories or long runs of plumbing | 20                        | 26.7   | 26.0 | 25.0 | 24.0 | 23.0 | 22.0 | 72 PSI                    |
|   | 30                        | 22.7   | 22.2 | 21.5 | 21.1 | 20.1 | 19.0 |                           |
|   | 40                        | 19.0   | 18.5 | 17.7 | 16.6 | 16.1 | 15.6 |                           |
|   | 50                        | 15.0   | 13.5 | 12.6 | 12.1 | 10.8 | 9.7  |                           |

# Materials

| Part                           | Material                        |
|--------------------------------|---------------------------------|
| Impellers                      | Glass filled polycarbonate      |
| Lock Nut                       | 304 stainless steel             |
| Pump Casing                    | 304 stainless steel             |
| Pump Backplate                 | 304 stainless steel             |
| Pump Shaft                     | 304 stainless steel             |
| Neckrings                      | Polypropylene                   |
| Seal Ring (stationary)         | Ceramic                         |
| Seal Ring (rotating)           | Carbon (synthetic)              |
| Seal Spring                    | 304 stainless steel             |
| Orings                         | Nitrile rubber                  |
| Stage Body                     | Glass filled nylon              |
| Suction Check Valve Body       | Polypropylene                   |
| Suction Check Valve Spring     | 304 stainless steel             |
| Suction Check Valve Seal       | Nitrile                         |
| Stage Spacer (3 stage models)  | Glass filled nylon              |
| Priming Plug                   | Chrome plated brass             |
| Motor Shell                    | Marine grade aluminium          |
| Lantern / DE Endshield         | Marine grade aluminium          |
| Shell & Lantern Bracket Finish | Baked polyester                 |
| Pressure Tank Shell            | Steel                           |
| Pressure Tank Shell Finish     | Epoxy powder coat               |
| Pressure Tank Diaphragm        | Butyl rubber                    |
| Pressure Tank Liner            | Potable grade epoxy powder coat |



| Model No.                     | 15075HS18 | 15100HS18 |
|-------------------------------|-----------|-----------|
| Supply Voltage                | 115       | 230       |
| Supply Frequency              | 60Hz      |           |
| Input Power (P <sub>i</sub> ) | 0.81kW    | 1.1kW     |
| HP                            | 3/4       | 1         |
| Full Load Current             | 7.5A      | 5.1A      |
| Locked Rotor Current          | 19A       | 16A       |
| Starting                      | PSC       |           |
| Insulation Class              | Class F   |           |
| IP Rating                     | IP55      |           |

# Electrical



**A.Y. McDonald Mfg. Co.**

WATER WORKS • PUMPS • PLUMBING VALVES • GAS VALVES  
 800-292-2737 • Fax 800-832-9296  
 pumps@aymcdonald.com • www.aymcdonald.com

