

# EQ Series™ Pumps

## *High Performance Commercial Pumps*

The EQ Series™ pumps deliver extraordinary performance in every key aspect. They're built to last, of course, and are also built to be incredibly efficient, quiet, lightweight and corrosion-resistant. All of this adds up to a pump that is highly cost effective and suited for a wide range of commercial water applications.

At the heart of the EQ's extraordinary performance is its unique impeller design. It provides two significant benefits. First, it means more efficient performance – the EQ moves more water more quickly than comparable pumps. And secondly, it means the pump's motor doesn't have to work as hard and, as a result, runs cooler and lasts considerably longer.

What's more, the Pentair EQ Pump has been through a rigorous design, development and testing program so you know it's built to handle the toughest commercial applications for years to come.

Available in single and three-phase models, the EQ sets the new standard for performance in pumps. No one else in the industry has made a plastic injection-molded pump with performance like this for pool and water applications.



**Pentair**  
*Pool Products®*

*Because reliability matters most*

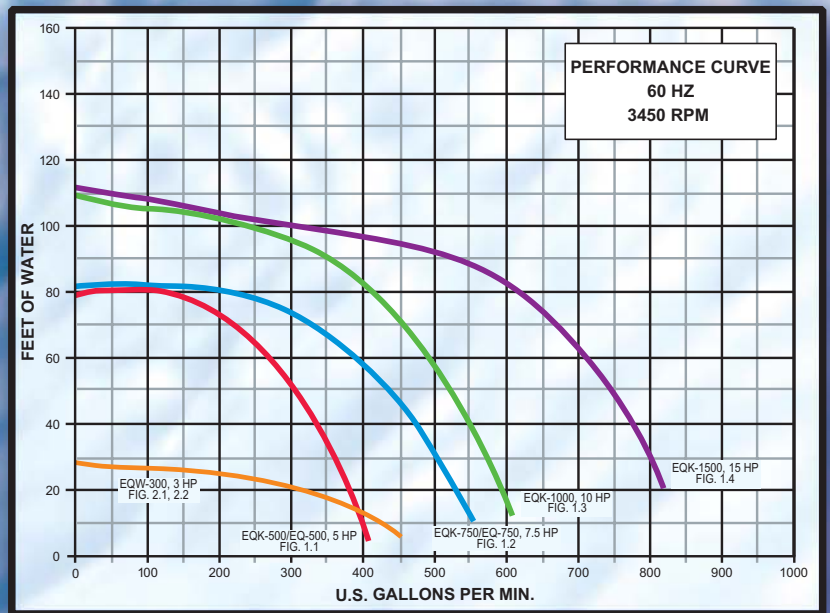


# PENTAIR POOL PRODUCTS

## EQ Series Pump Performance & Efficiency Curves

### EQ SERIES

The Pentair EQ Series pump is a heavy-duty commercial pump specifically designed for large pools, fountains and water attractions that demand high flow rates and continuous operation. The EQ Series pump is available for inground pool installations, ideal for almost any kind of commercial application.



EQK = 3 phase model  
EQ = 1 phase model

FIG. 1.1

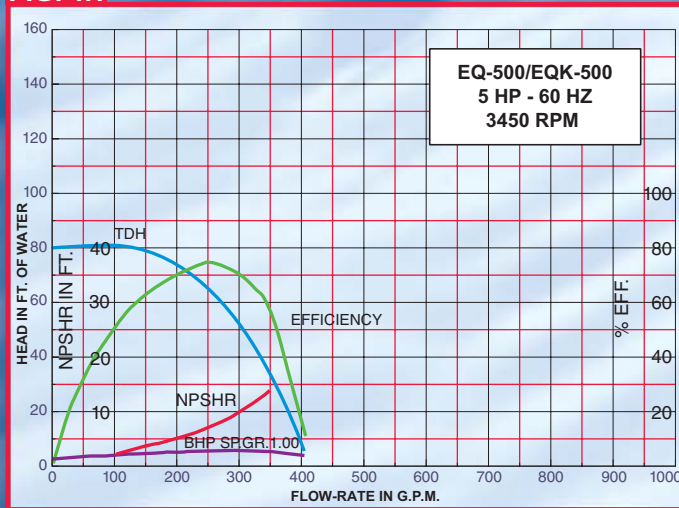


FIG. 1.2

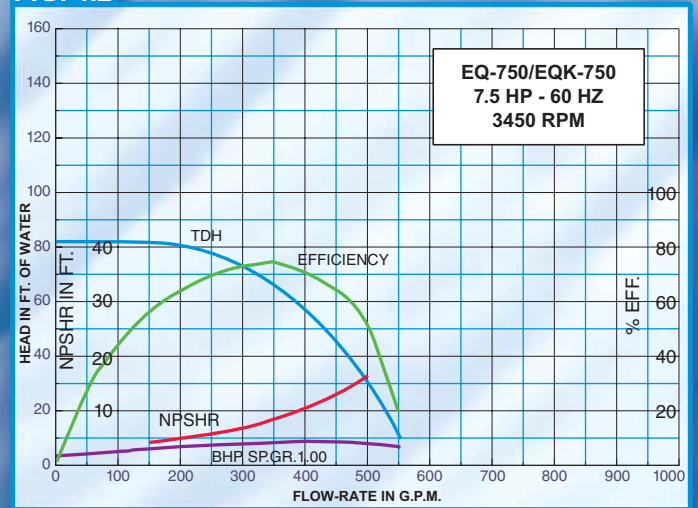


FIG. 1.3

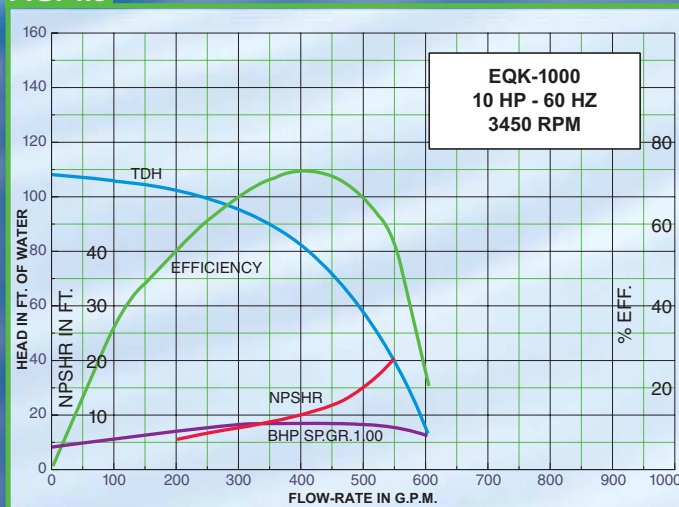
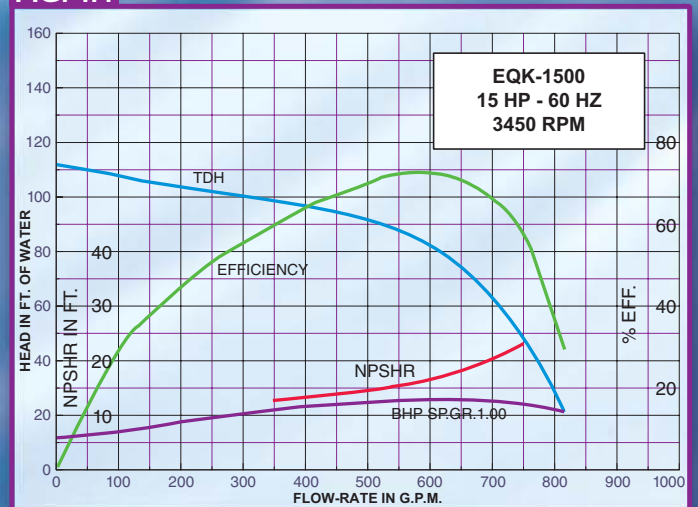


FIG. 1.4



# PENTAIR POOL PRODUCTS

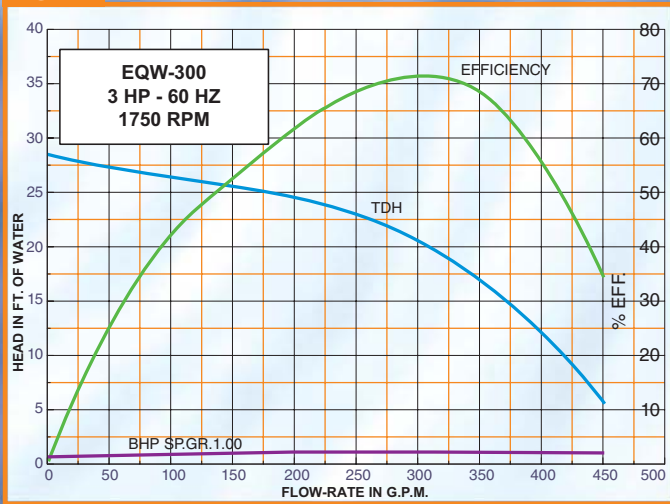
## EQW Waterfall Pump Performance & Efficiency Curves EQW SERIES

The EQ Series Pump is available with and without the strainer pot.



EQWK = 3 phase model  
EQW = 1 phase model

FIG. 2.1



The EQ Series strainer pot assembly can be mounted directly to a Pentair Pool Products EQ Series Pump or can be purchased separately for use as a stand alone unit in the suction line of a circulation system. The EQ strainer pot assembly is a completely non-corrosive strainer that is available with 6" inlet and outlet ports and a maximum design flow rate of up to 800 GPM. The clear polycarbonate lid also allows for easier inspection of the strainer basket.

FIG. 2.2

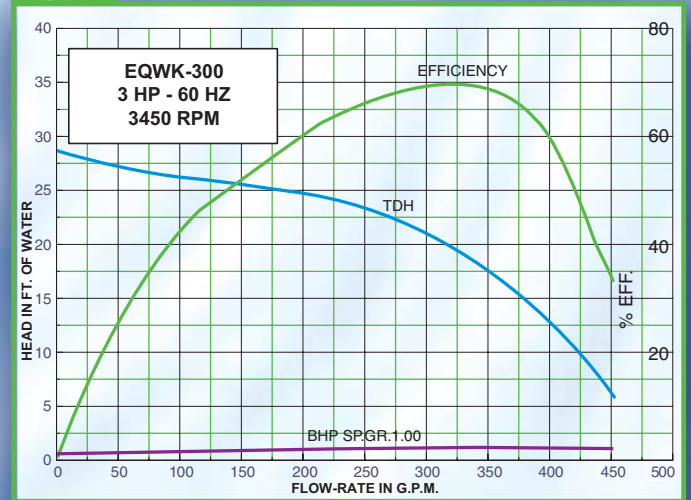
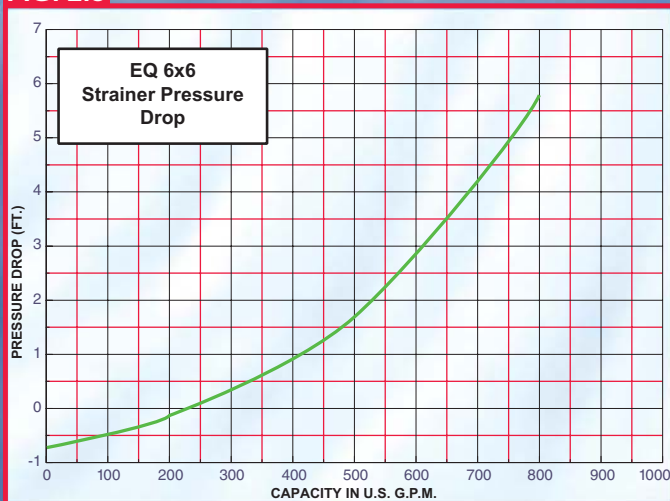


FIG. 2.3

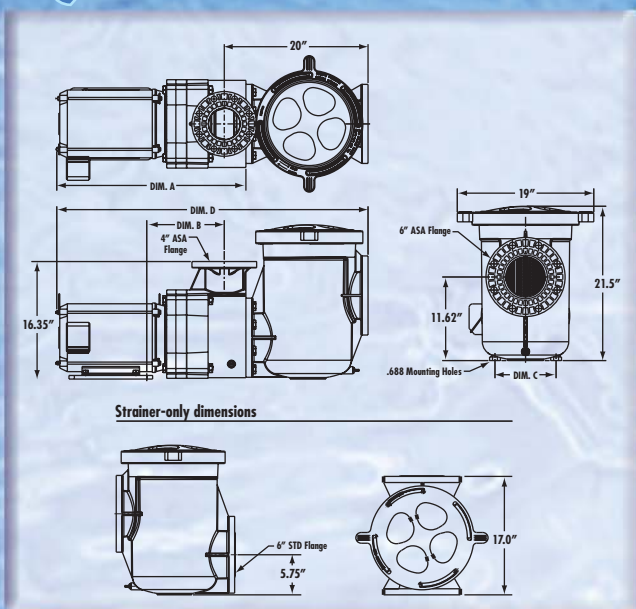


## EQ Series = Energy Efficient and Quiet

- Designed in every detail for maximum efficiency
- The only non-corrosive, all-plastic pump designed exclusively for the commercial pool and water applications market
- The EQ's impeller features an exclusive design that provides true breakthrough performance
- Lower load due to efficient impeller design means longer motor life
- Cam and Ramp™ lid design with clear lid for added convenience in servicing

### Additional Features:

- Closed coupled for quiet stable flow operation
- Lightweight
- 6" suction and 4" discharge with strainer pot
- Closed impeller for longer motor life
- Heat-resistant seal operates at up to 150° Fahrenheit
- Cam and Ramp™ lid design with clear lid
- Bolt-on strainer pot
- Easy one-man installation
- Self-priming pump
- NSF-Listed
- Available in single and three-phase 60 hertz models
- Models available for water feature applications
- One-year limited warranty



Strainer-only dimensions

Description	HP	Voltage	Amps	Product Weight (lbs.) With Strainer
PUMP EQ500 - 1PH 6"x 4"	5	230	19.6	126
PUMP EQK500 - 3PH 6"x 4"	5	460/230-208	6.2/12.3-13.5	106
PUMP EQ750 - 1PH 6"x 4"	7.5	230	30.4	161
PUMP EQK750 - 3PH 6"x 4"	7.5	460/230-208	9.1/18.3-20.1	116
PUMP EQK1000 - 3PH 6"x 4"	10	460/230-208	12.2/24.3-27.1	126
PUMP EQK1500 - 3PH 6"x 4"	15	460/230-208	17.8/36.0-40.0	161
<b>Waterfall Models:</b>				
PUMP EQW300 - 1PH 6"x 4"	3	115/230	38/19	126
PUMP EQWK300 - 3PH 6"x 4"	3	460/230-208	3.9/7.9-8.4	106

Description	Dim. A (inches)	Dim. B (inches)	Dim. C (inches)	Dim. D (inches)
PUMP EQ500 - 1PH 6"x 4"	26.62	10.03	7.5	43.59
PUMP EQK500 - 3PH 6"x 4"	23.12	10.16	7.5	40.094
PUMP EQ750 - 1PH 6"x 4"	27.53	10.78	8.5	44.59
PUMP EQK750 - 3PH 6"x 4"	24.50	10.16	7.5	41.56
PUMP EQK1000 - 3PH 6"x 4"	26.31	10.78	8.5	43.29
PUMP EQK1500 - 3PH 6"x 4"	26.31	10.78	8.5	43.29
<b>Waterfall Models:</b>				
PUMP EQW300 - 1PH 6"x 4"	26.62	10.03	7.5	43.59
PUMP EQWK300 - 3PH 6"x 4"	23.12	10.16	7.5	40.094

### Materials of Construction

Volute Casing	Noryl*
Impeller	Noryl
Strainer Pot	Noryl
Strainer Assembly	Lexan,* Noryl
Pump Shaft	Stainless Steel
Mechanical Seal	300 S.S. metal parts, Buna-N elastomers, Ceramic Seat and Carbon Washer
O-Rings	EP Rubber
Pump Foot	6061 Aluminum



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