



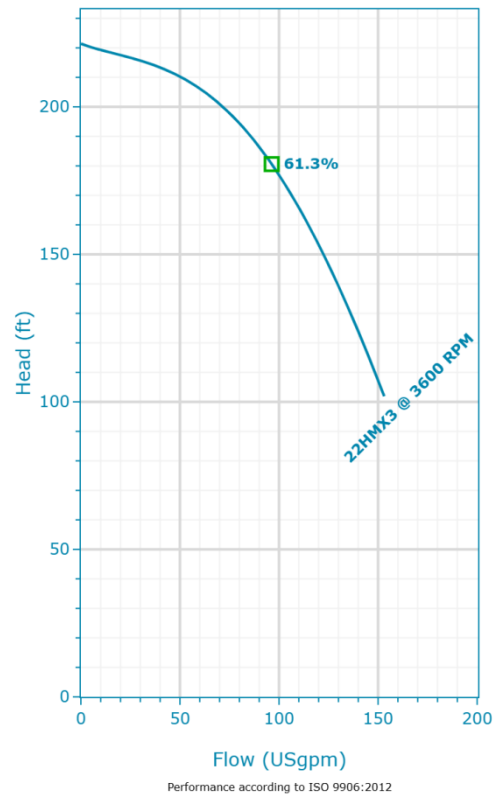
**22HMX03N55TM6BQE**

Created On: 8/6/25

## 22HMX03N55TM6BQE | Configuration Summary



Powered by Xylem's hydrovar® X Smart Motor, e-HMX Smart Pumps offer customizable pumping solutions designed to deliver ultra-premium efficiency, connectivity, and simplicity right out of the box. e-HMX Smart Pumps integrate decades of expertise and know-how in pumping solutions to bring the right combination of motors, variable speed drive and hydraulic pumps in one comprehensive, highly efficient package. It is a versatile horizontal multistage pump designed for best-in-class efficiency and superior durability to reduce the total cost of ownership. Customizable options mean you get exactly the right pump for your application, exactly when you need it.



### PUMP

**Pump Size**  
22HM

**Construction Design**  
Sleeve

### MATERIALS

**Construction**  
Stainless Steel (AISI 316)

### SEAL

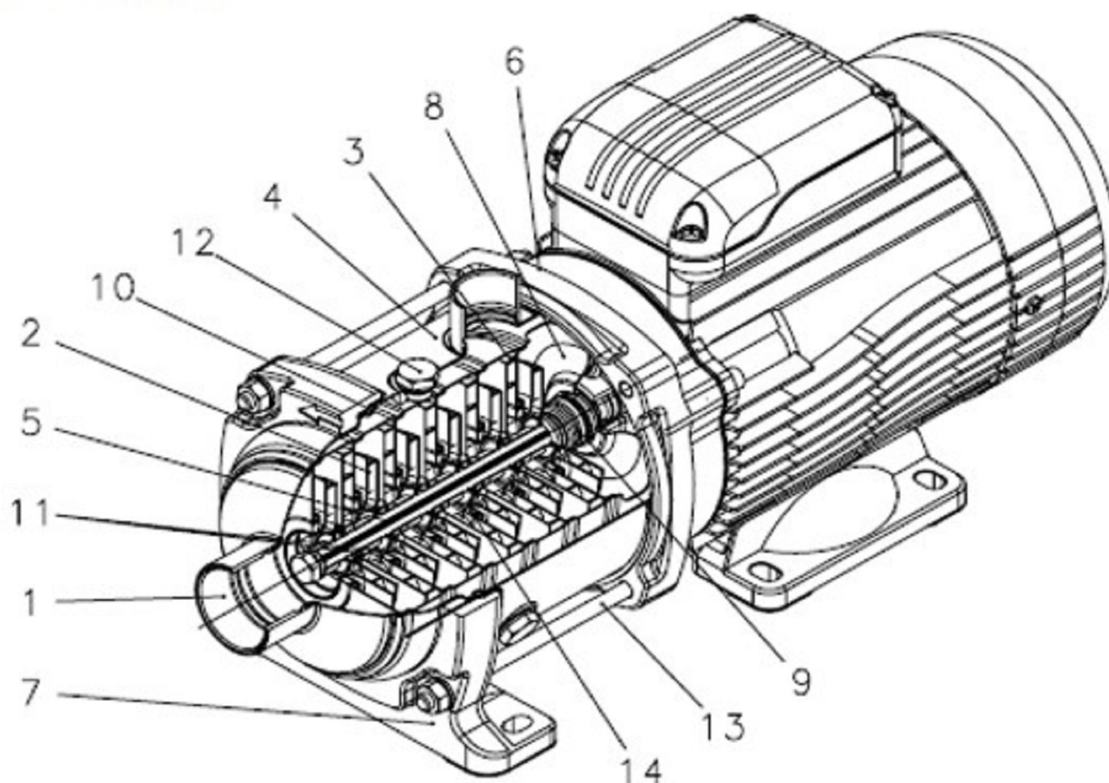
<b>Type of Seal</b>	<b>Rotating Face</b>
Mechanical Seals	Carbon
	<b>Stationary Face</b>
	Silicon Carbide
	<b>Elastomers</b>
	EPDM
	<b>Metal Components</b>
	316 SS

### MOTOR

<b>Frequency (Hz)</b>	<b>Power</b>
60	7.5 hp
<b>Poles</b>	<b>Phase (~)</b>
4	3
<b>Enclosure</b>	<b>Voltage</b>
TEFC	380-480 V
	<b>Frame Size</b>
	112

## 22HMX03N55TM6BQE | Product Details

**(SLEEVE DESIGN)**



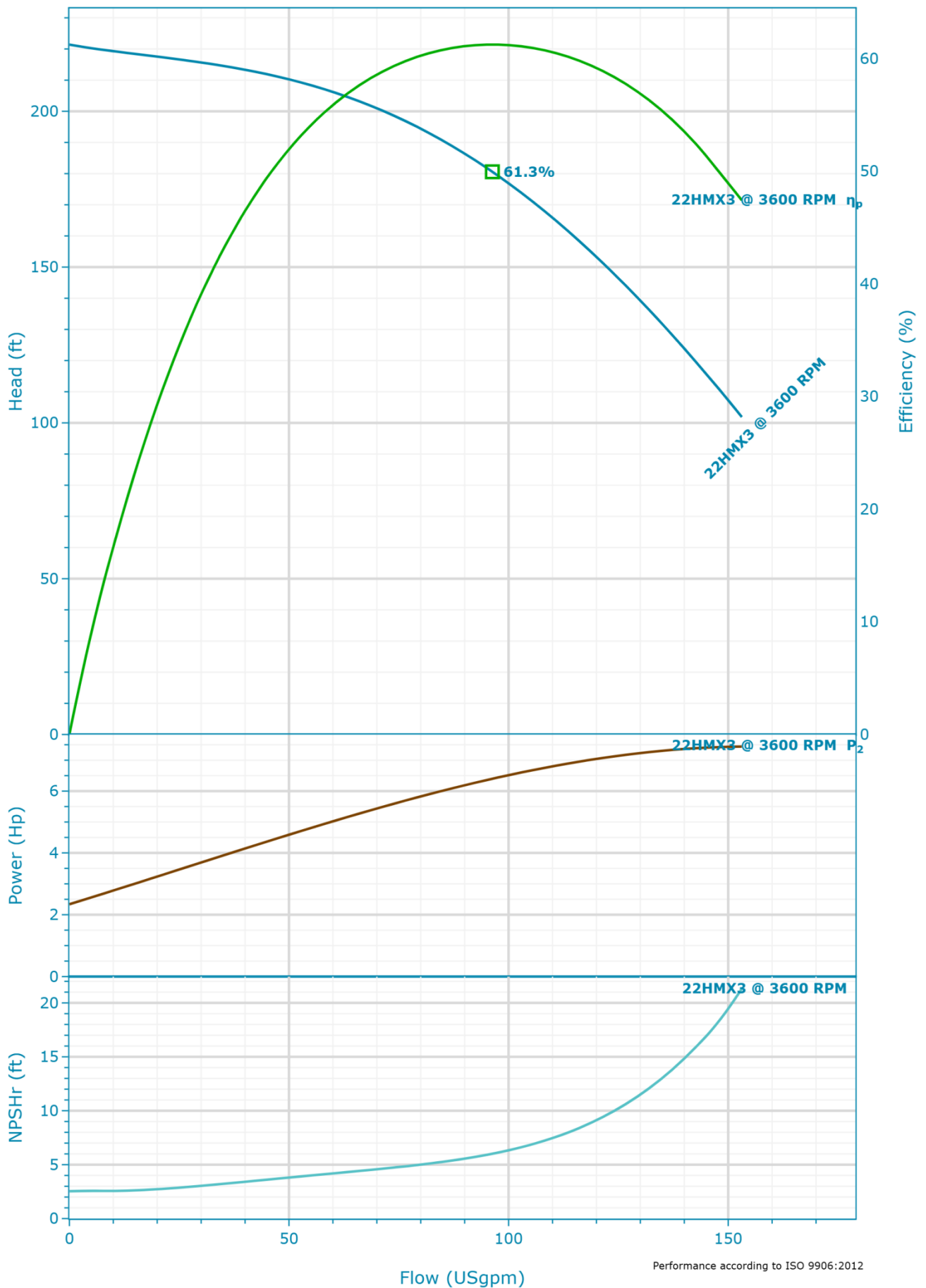
## Construction Materials

<b>Head (1)</b> Stainless steel / AISI 316L	<b>Shaft (5)</b> Stainless steel / AISI 316	<b>Mechanical seal (9)</b> See Seal Section	<b>Tie rods (13)</b> Stainless steel / AISI 431
<b>Impeller (2)</b> Stainless steel / AISI 316L	<b>Adapter (6)</b> Aluminium	<b>Elastomers (10)</b> See Seal Section	<b>Wear ring (14)</b> Technopolymer (PPS)
<b>Diffuser and upper spacer (3)</b> Stainless steel / AISI 316L	<b>Ring with foot (7)</b> Aluminium	<b>Shaft sleeve and bushing (11)</b> Tungsten carbide	
<b>Outer sleeve (4)</b> Stainless steel / AISI 316L	<b>Seal housing (8)</b> Stainless steel / AISI 316L	<b>Fill / drain plugs (12)</b> Stainless steel / AISI 316L	

## Motor

Enclosure	Rated Voltage	Phase	SLA
TEFC	380-480 V	3	10.2-8.4
Rated Power	Frame Size	FLA	Service Factor
7.5 hp	112	10.2-8.4	1

## 22HMX03N55TM6BQE | Hydraulic Data & Performance Curve



### Selection

Series	Standby Pumps
e-HMX	No Standby Pump
Name	
22HMX3 3600rpm	
Stages	
3	
Frequency	
60 Hz	
Acceptance Grade	
Manufacturer's Standard	
System Type	
Single Pump	
Operating Pumps	
1	

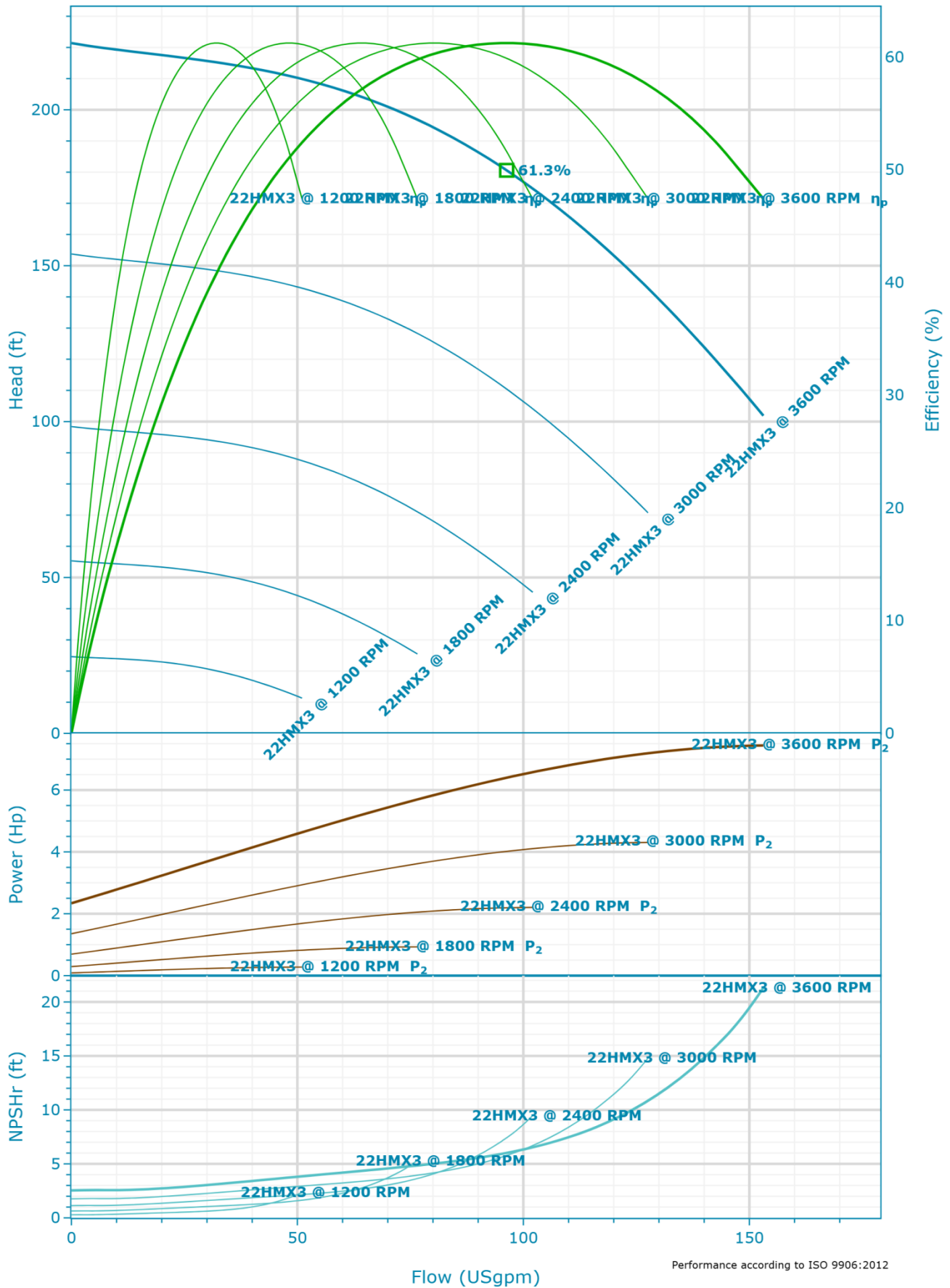
### Fluid

Fluid Type	Density
Water	62.428 lb/ft <sup>3</sup>
Fluid Temperature	Dynamic Viscosity
39.2 °F	1.567212 cP
Specific Gravity	Fluid Vapor Pressure
1	0.118 psi

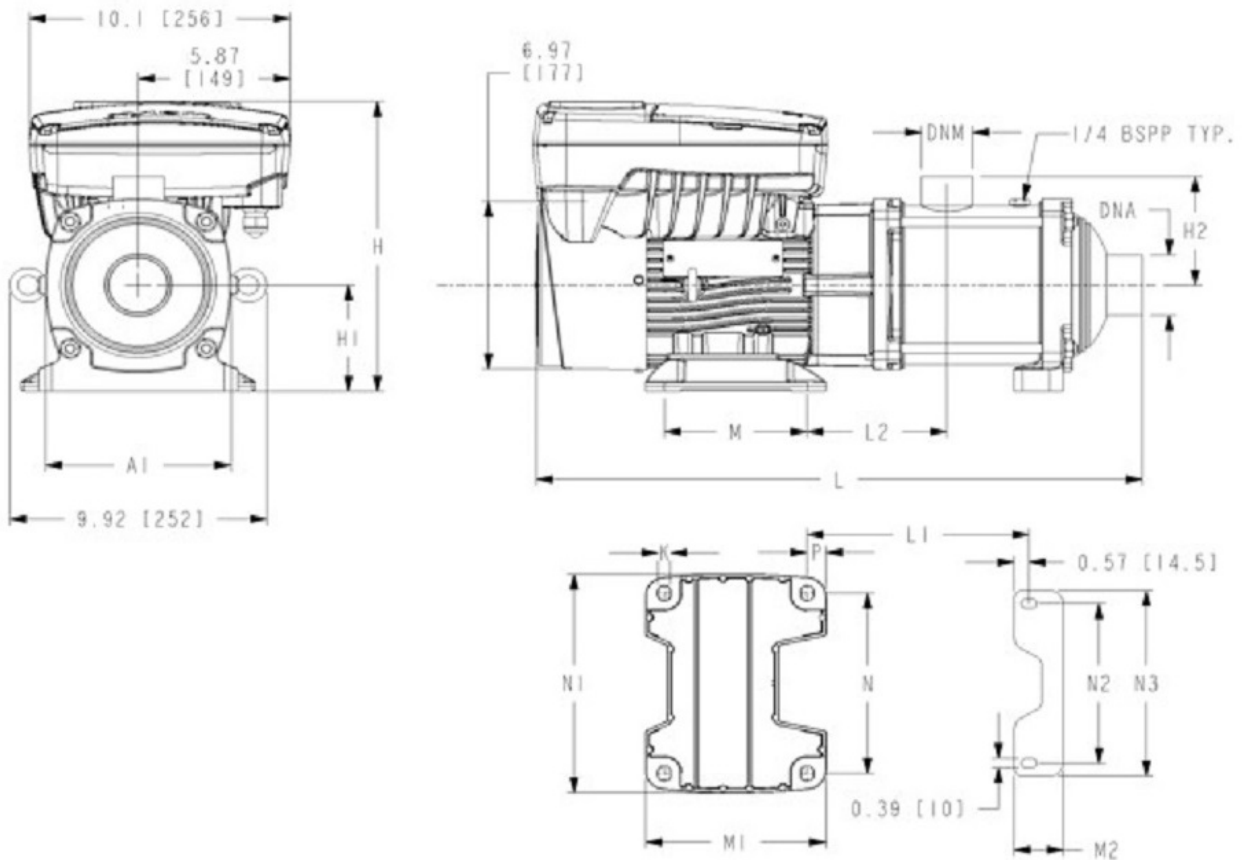
### Design Curve

Rated Speed	BEP Flow
3,600 RPM	96.3 USgpm
Max Flow	BEP Head
153.1 USgpm	180.59 ft
H@QMin	Max Operating Pressure
221.4 ft	95.84 psi
H@QMax	Max P2
101.9 ft	7.44 Hp
BEP	
61.3 %	

## 22HMX03N55TM6BQE | Variable Speed Curve



## 22HMX03N55TM6BQE | Dimensional Data & Drawing



### Dimensions

<b>A</b> 5.67 in	<b>L</b> 21.45 in	<b>DNM NPT</b> 1.5 in	<b>M1</b> 6.97 in
<b>A1</b> 7.17 in	<b>L1</b> 6.68 in	<b>H1</b> 4.41 in	<b>M2</b> 1.89 in
<b>H</b> 12.05 in	<b>L2</b> 5.39 in	<b>H2</b> 4.49 in	<b>N</b> 7.48 in
<b>K</b> 0.47 in	<b>DNA NPT</b> 2 in	<b>M</b> 5.51 in	<b>N1</b> 9.06 in
<b>N2</b> 6.61 in	<b>Max. Working Pressure</b> 235 psi		
<b>N3</b> 7.68 in			
<b>P</b> 0.33 in			
<b>Total Weight</b> 75 lb			

<b>Company</b>	PFC Equipment
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