

wilo®

WEIL
Pump
A WILO BRAND

AMERICAN-MARSH PUMPS
A WILO BRAND

Scot
Pump
A WILO BRAND

QuantumFlo
A WILO BRAND

PUMP SELECTOR

WALKTHROUGH

[View Projects](#)[View Quotes](#)[View Customers](#)

Start here

[Select Equipment](#)

1. Click on “Select Equipment” to choose from our pump products.

Eager to jump right in? Select equipment here. You can save your selection to a new quote or project at any time.

What's New

Jan 2 2024 – Jennifer Justice has shared: Dynamic Water Technologies - Kevin Prom 1-2-2024 – For Justin Serra

[View all >>](#)

Find Your Work ⓘ

Search within: Projects Quotes

Recent Work

 [Quote: 1996707](#) [Project: Default](#)

Last saved by you today.

 [Project: Dane Jail-Hot](#)

Last saved by you ON 10/30/2023.

 [Project: Fluid Handling 117gpm-30psi](#)

Last saved by you ON 10/23/2023.

 [Project: FHI 10-16-23](#)

Last saved by you ON 10/16/2023.

 [Project: Fluid Handling 10-16-23](#)

Last saved by you ON 10/16/2023.

View Projects

Select Equipment

2. Select from the below options

Select Pumps and Simplex Systems

Multi-pump system

Pump Accessories

Start here



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Project: Default

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+ Create new

Quick Select

Advanced Select

Inputs

Flow: 350 USgpm → Head: 100 ft

Apply load profile: None Site Supply Frequency: 60 Hz

Search criteria: All suitable speeds

NPSH available: Ample ft Driver design: NEMA motor

Driver sizing specification: Maximum power Pumps in parallel: 1

Liquid: Water Temperature: 68.00 deg F

Additional liquid description:

Override properties

Fluid density: 1.000 SG Viscosity: 1.00 cP

3. Enter your Flow, Head or select your measurement desired.

Product Lines

Search >>

- Wilo Helix EXCEL Complete
- Wilo NL-HE
- Wilo Stratos MAXO
- Wilo Stratos MAXO D
- Wilo Stratos MAXO Z
- Wilo Stratos GIGA
- Wilo Helix EXCEL
- Wilo Star

5. When all is set, simply select Search.

4. Now, select your desired pump or pump models.

Results

Thumbnail Curves

Compare (0)

Results

350.0 USgpm | 100.0 ft

Sort by:

Custom

Hide Near Misses

Show/Hide columns

	Size		Speed criteria	Speed (rpm)	Efficiency (%)	Power, rated (hp)	NPSHr (ft)	Max. Power (hp)	% BEP (%)
★	NL-HE 2.5x2x5		Sync.	3500	81.50				86.45
★	NL-HE 2.5x2x6		Sync.	3500	79.57	11.10	10.87	11.73	99.98
★	NL-HE 3x2.5x10		Sync.	1750	72.75	12.15	8.55	13.67	93.64
★	NL-HE 4x3x10		Sync.	1750	72.28	12.22	6.83	16.33	67.07
★	⚠ NL-HE 4x3x12		Sync.	1750	70.23	14.01	8.85	18.70	67.96
★	NL-HE 3x2.5x5		Sync.	3500	68.31	12.94	15.26	16.94	57.03
★	NL-HE 3x2.5x12		Sync.	1750	66.04	13.39	8.45	14.69	104.69
★	NL-HE 5x4x10		Sync.	1750	64.87	13.62	7.74	21.39	43.61
★	⚠ NL-HE 5x4x12		Sync.	1750	62.82	14.48	7.75	23.27	45.65
★	NL-HE 6x5x10		Sync.	1750	51.30	17.22	11.59	31.67	27.72

7. Select your desired pump.

6. Sort by efficiency.

« Previous

1

2

Next »

Results per page

10

Curve

Overview

Performance

Configure / Price

Documents

Advanced Select

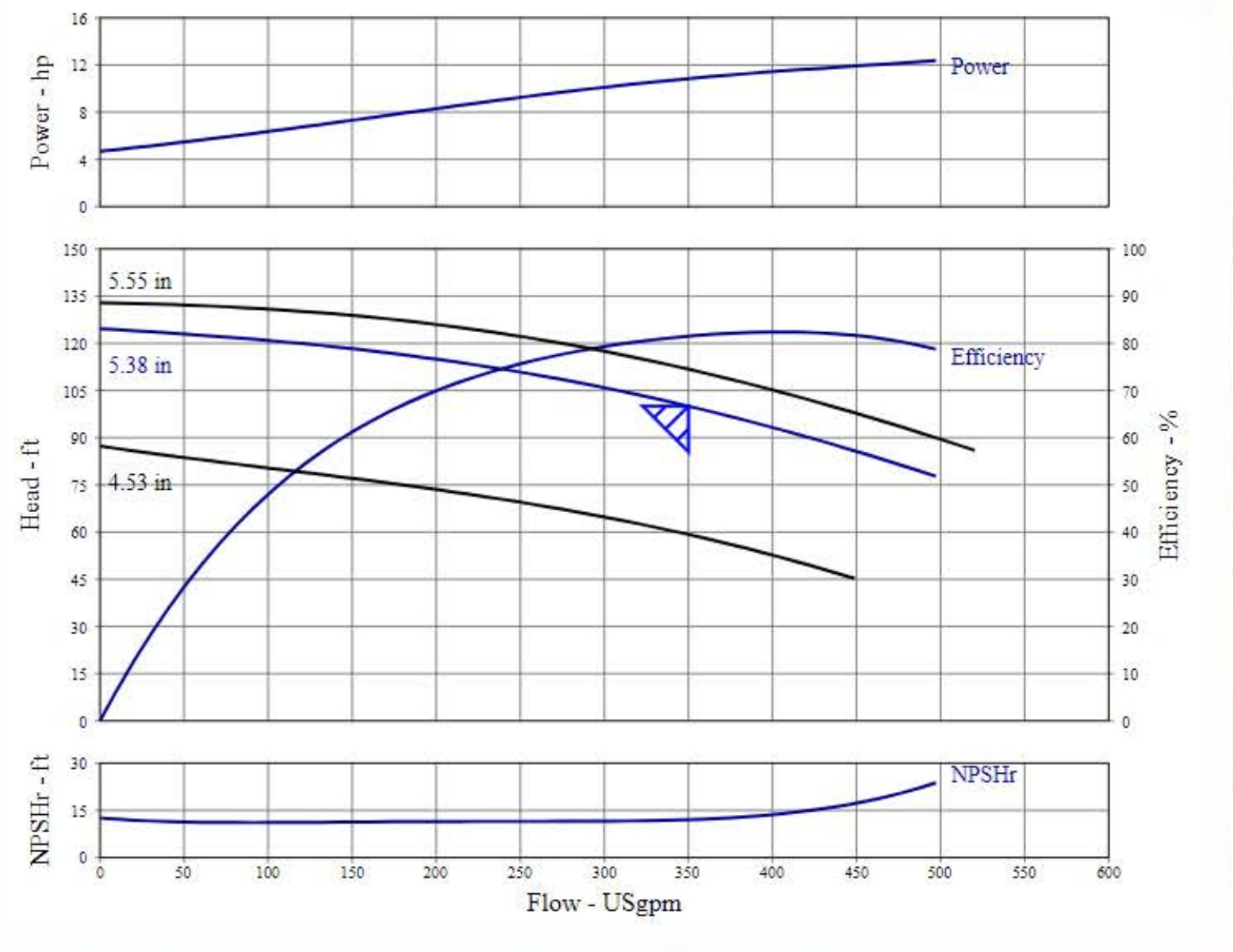
Full Configure

NL-HE 2.5x2x5

350.0 USgpm | 100.0 ft | 3500 rpm

Save

Performance Curve Multi-Speed Curves



Head
Rated, min & max curve

Efficiency
Rated curve only

Power
Rated curve only

NPSHr
Rated curve only

Display system curve?

[Show all preferences](#)

Flow: 350.0 USgpm Head: 100.0 ft Site Supply Frequency: 60 Hz

8. Select documents to access performance data sheets, specifications, submittals, and more.



Curve

Overview

Performance

Configure / Price

Documents

Advanced Select

Full Configure

NL-HE 2.5x2x5

350.0 USgpm | 100.0 ft | 3500 rpm

Save

<input type="checkbox"/>	Select all	
<input checked="" type="checkbox"/>	Performance Datasheet	Download
<input type="checkbox"/>	Landscape Curve	Download
<input type="checkbox"/>	Multi-Speed Curves Landscape	Download
<input type="checkbox"/>	Life Cycle Cost	Download
<input type="checkbox"/>	Additional Selector Data	Download
<input type="checkbox"/>	Internal Price Sheet	Download
<input type="checkbox"/>	Customer Price Sheet	Download
<input type="checkbox"/>	Customer Price Sheet Details (Required for Order)	Download
<input type="checkbox"/>	Installation & Operations Manual	Download
<input type="checkbox"/>	Brochure	Download
<input type="checkbox"/>	Specification	Download
<input checked="" type="checkbox"/>	Submittal Data Sheet - 3500RPM	Download

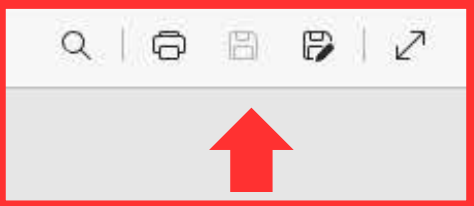
Generate PDF

Generate ZIP

Edit header information

9. Select from your desired documents.

10. Once documents are selected click on "Generate PDF"



Customer Reference

Pump Performance Datasheet

Wilo Quotation System 23.4.1

Item number	: 001	Size	: NL-HE 2.5x2x5
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 50-125 3600
Quote number	: 1996707	Article Number	:
		Date last saved	: 10 Jan 2024 3:15 PM

Operating Conditions		Liquid	
Flow, rated	: 350.0 USgpm	Liquid type	: Water
Head, rated (requested)	: 100.0 ft	Additional liquid description	:
Head, rated (actual)	: 100.0 ft	Solids Diameter, required / pump max	: 0.00 in / 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 68.00 deg F
Site Supply Frequency	: 60 Hz	Fluid density	: 1.000 / 1.000 SG
Performance		Viscosity	: 1.00 cP
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 5.38 in	Material selected	: Standard
Impeller diameter, maximum	: 5.55 in	Pressure Data	
Impeller diameter, minimum	: 4.53 in	Maximum working pressure	: 53.94 psi.g
Efficiency	: 81.50 %	Maximum allowable working pressure	: 232.0 psi.g
PEI (CL)	: 0.90	Maximum allowable suction pressure	: N/A
NPSH required / margin required	: 12.04 / 0.00 ft	Hydrostatic test pressure	: N/A
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,250 / 9,422 US Units	Driver & Power Data (@Max density)	
MCSF	:	Driver sizing specification	: Maximum power
Head max.	: 124.6 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 24.64 %	Service factor	: 1.00
Flow, best eff. point	: 404.8 USgpm	Power, hydraulic	: 8.84 hp
Flow ratio, rated / BEP	: 86.45 %	Power, rated	: 10.84 hp
Diameter ratio (rated / max)	: 96.83 %	Power, maximum	: 12.39 hp
Head ratio (rated dia / max dia)	: 89.47 %	Motor rating	: 15.00 hp / 11.19 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

11. All Documents will be compiled in one PDF. Print, Save or email to a team member.

