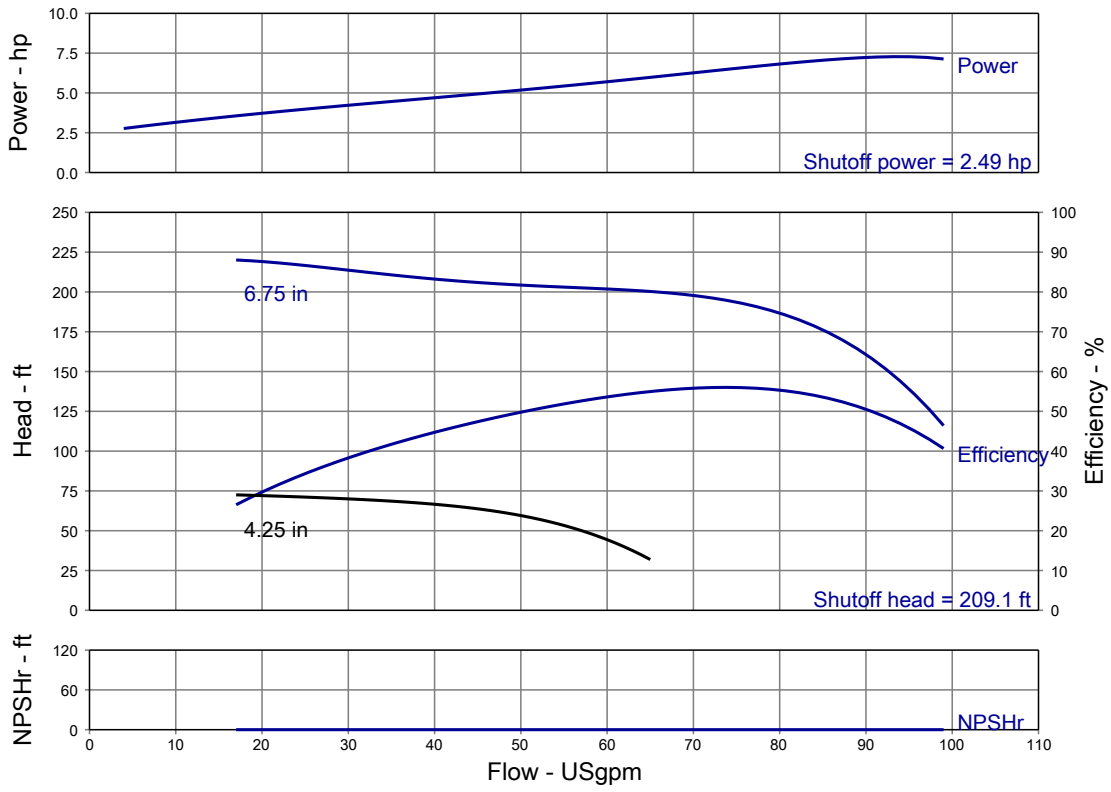
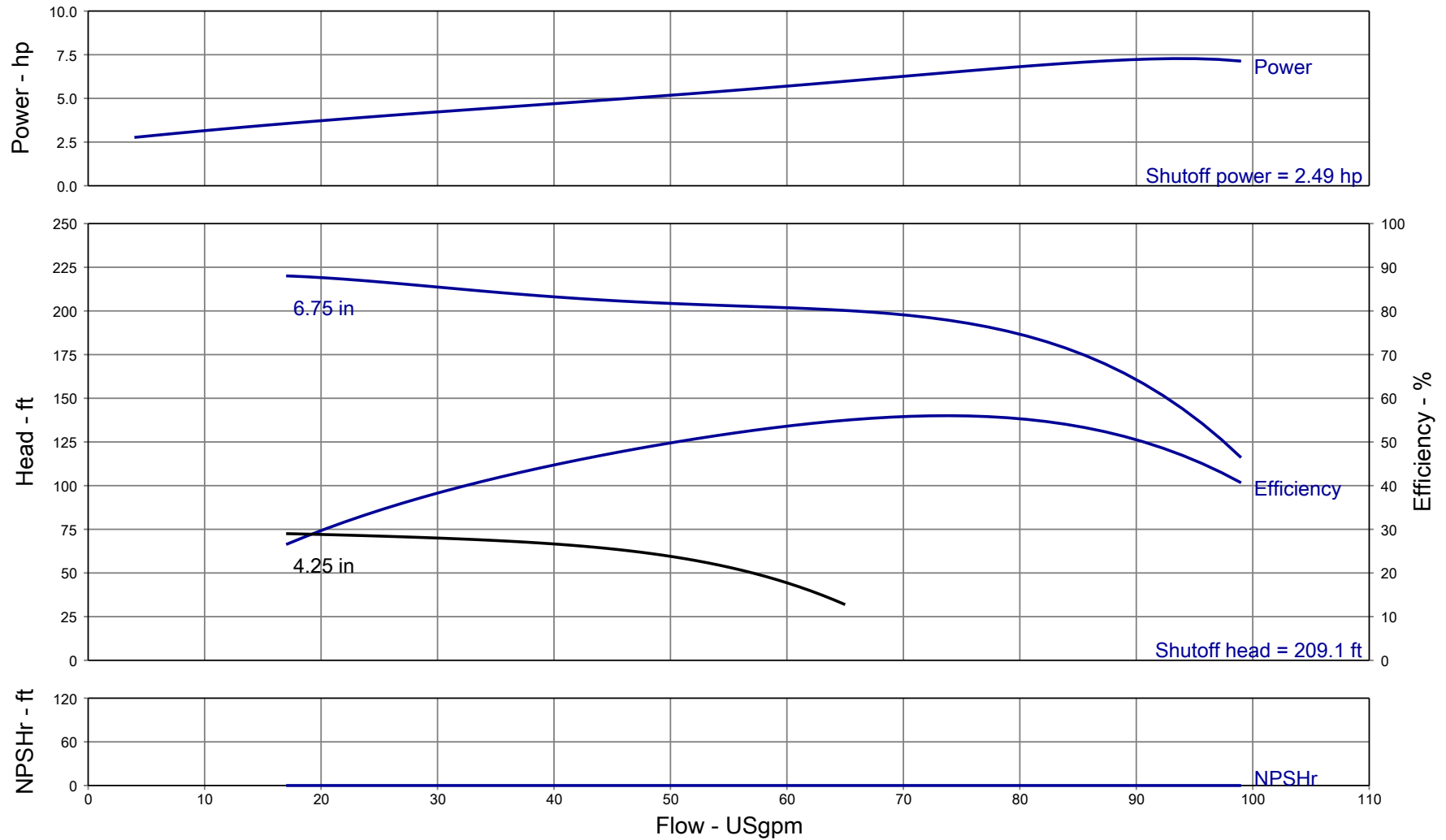




Item number	: 001	Size	: 1x1.25x7 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1x1.25x7 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:31 PM

Operating Conditions		Liquid	
Flow, rated	: 73.71 USgpm	Liquid type	: Water
Head, rated (requested)	: 194.8 ft	Additional liquid description	:
Head, rated (actual)	: 194.8 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.25 in	Maximum working pressure	: 95.24 psi.g
Efficiency	: 56.01 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 36.25 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 0.00 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 576 / - US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 220.1 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 7.30 %	Service factor	: 1.00
Flow, best eff. point	: 73.71 USgpm	Power, hydraulic	: 3.63 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 6.47 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 7.28 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 7.50 hp / 5.59 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



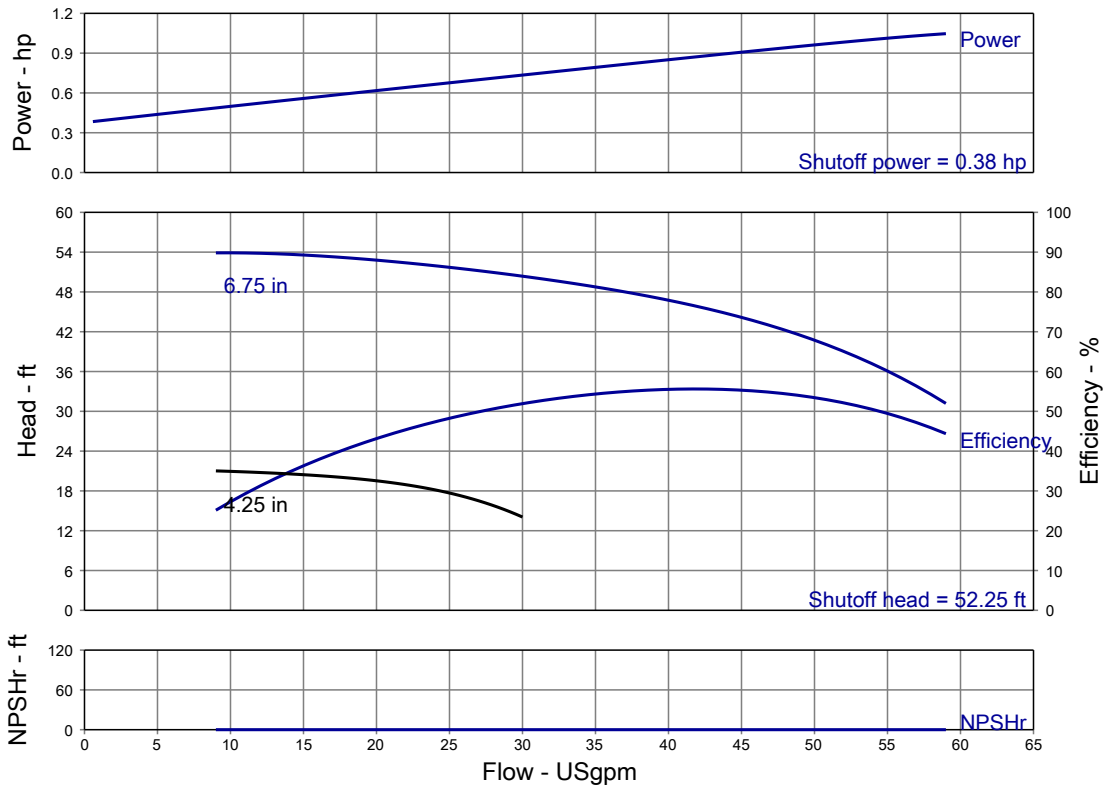


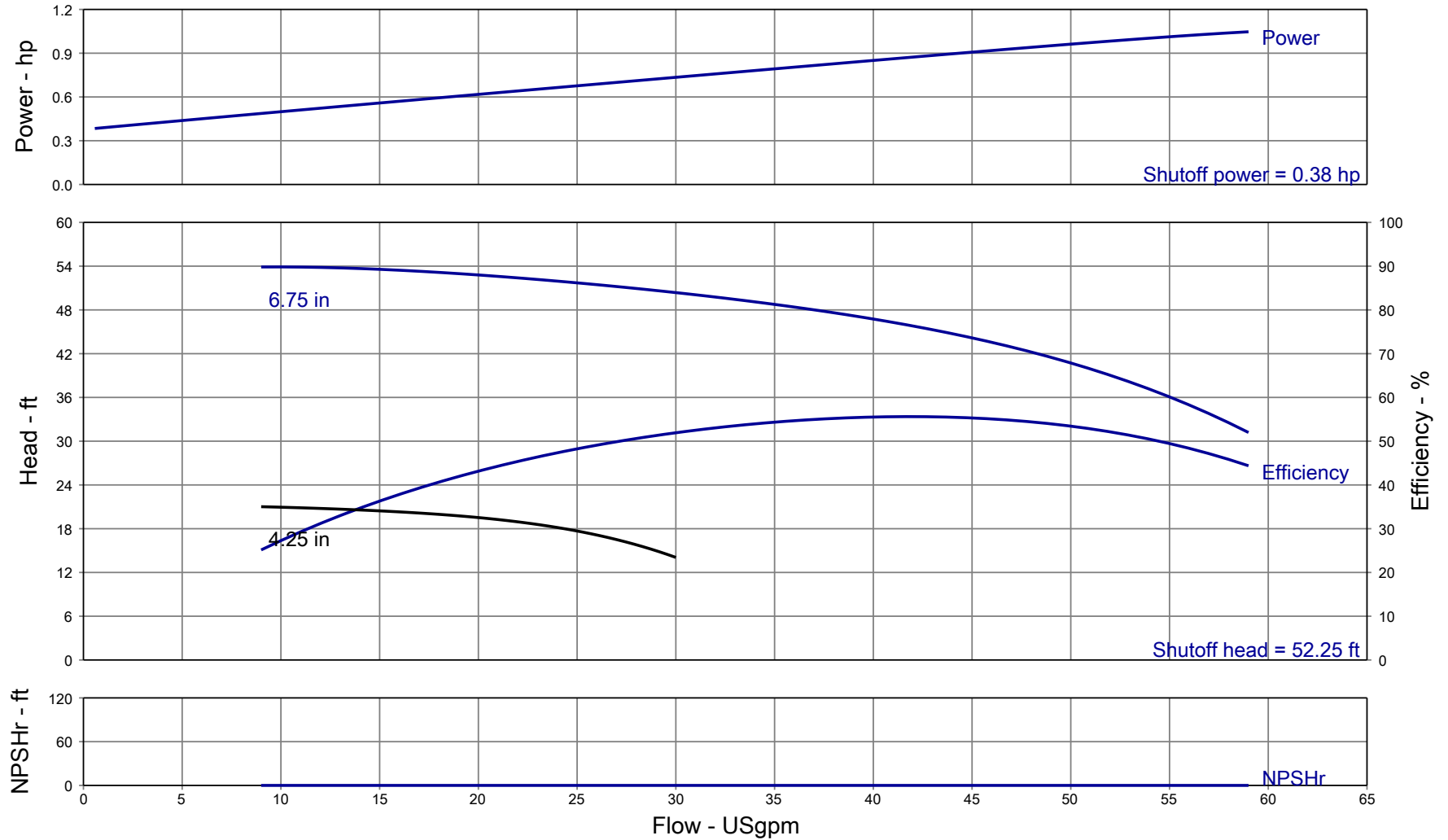
Item number	: 001	Size	: 1x1.25x7 2P	Flow, rated	: 73.71 USgpm
Service	:	Stages	: 1	Head, rated	: 194.8 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 0.00 ft
Quote number	: 25068	Based on curve number	: 1x1.25x7 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:31 PM	Efficiency	: 56.01 %	Viscosity	: 1.00 cSt
		Power, rated	: 6.47 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1x1.25x7 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1x1.25x7 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:29 PM

Operating Conditions		Liquid	
Flow, rated	: 41.83 USgpm	Liquid type	: Water
Head, rated (requested)	: 45.88 ft	Additional liquid description	:
Head, rated (actual)	: 45.88 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.25 in	Maximum working pressure	: 23.33 psi.g
Efficiency	: 55.62 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 36.74 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 0.00 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 643 / - US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 53.90 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 13.88 %	Service factor	: 1.00
Flow, best eff. point	: 41.83 USgpm	Power, hydraulic	: 0.48 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 0.87 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 1.05 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 1.00 hp / 0.75 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



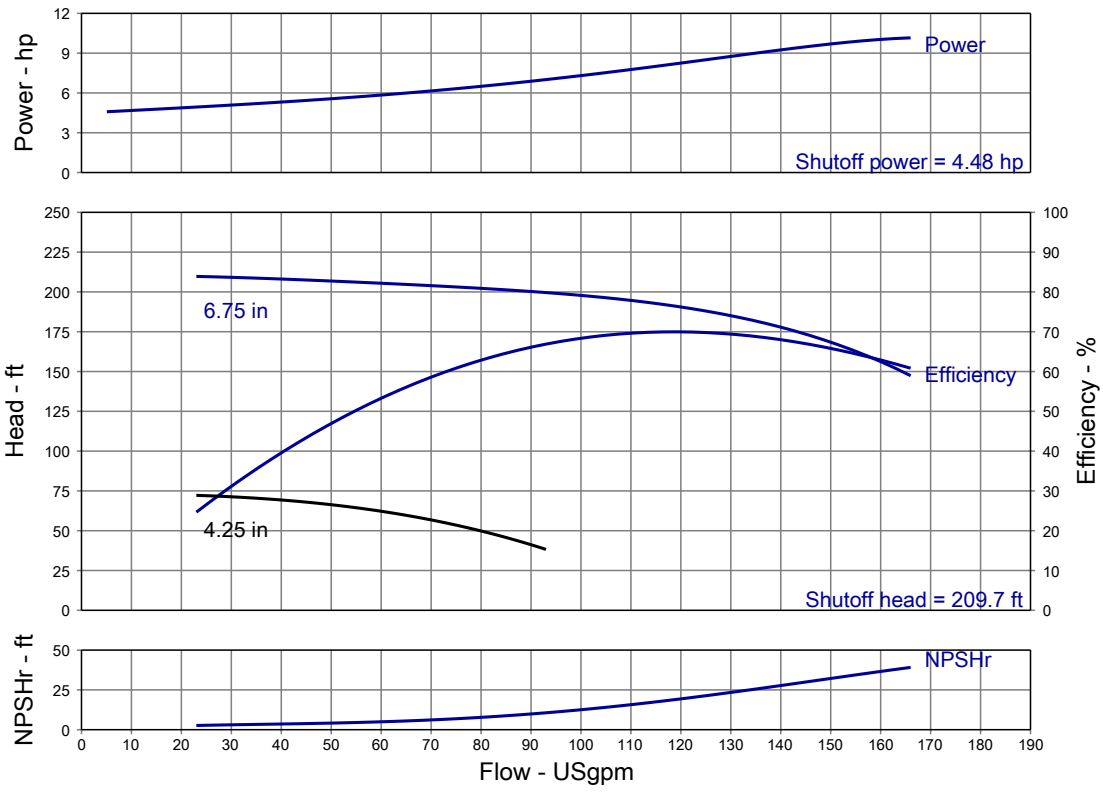


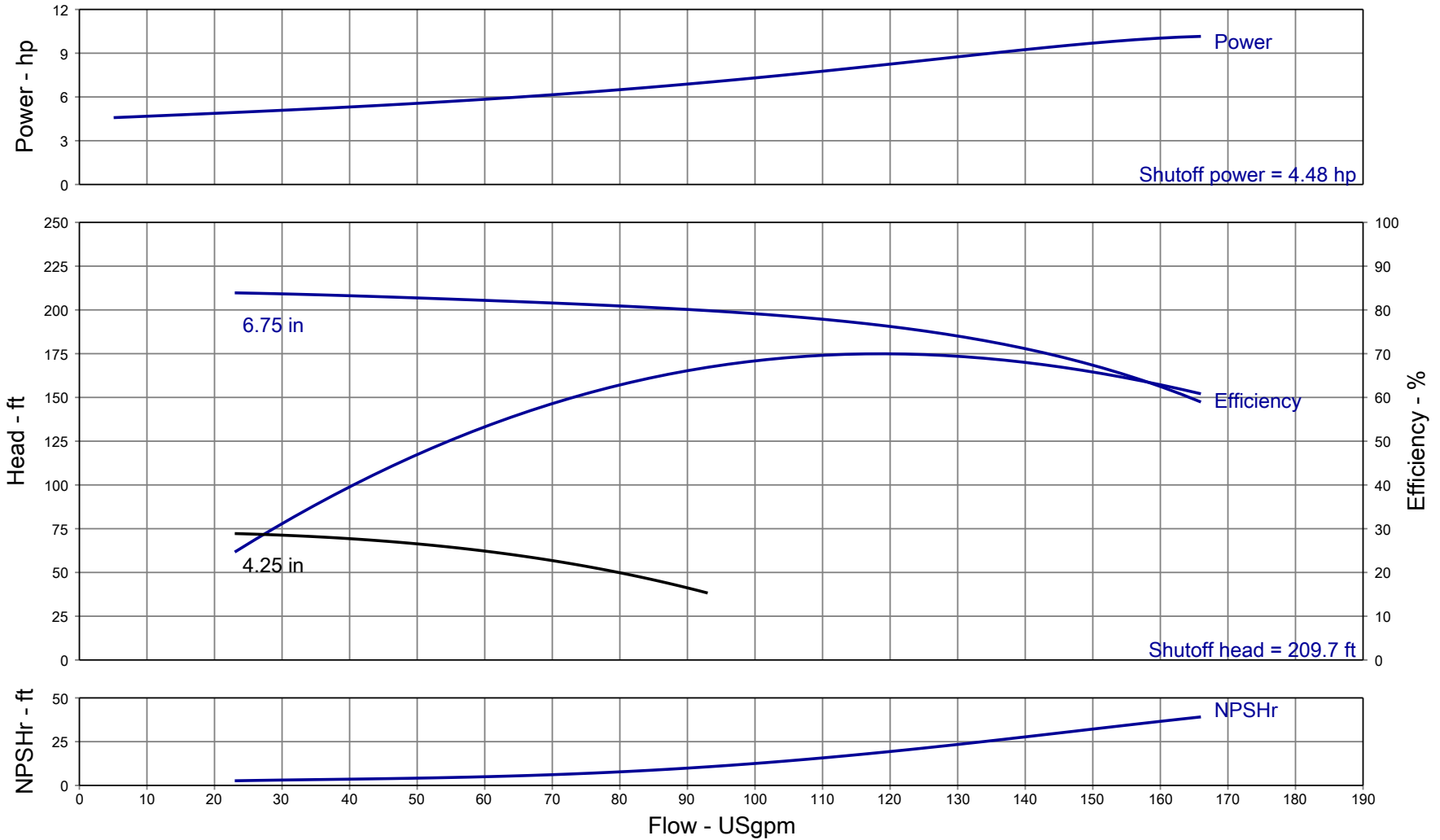
Item number	: 001	Size	: 1x1.25x7 4P	Flow, rated	: 41.83 USgpm
Service	:	Stages	: 1	Head, rated	: 45.88 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 0.00 ft
Quote number	: 25068	Based on curve number	: 1x1.25x7 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:29 PM	Efficiency	: 55.62 %	Viscosity	: 1.00 cSt
		Power, rated	: 0.87 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.25x1.5x7 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.25x1.5x7 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:32 PM

Operating Conditions		Liquid	
Flow, rated	: 118.7 USgpm	Liquid type	: Water
Head, rated (requested)	: 191.2 ft	Additional liquid description	:
Head, rated (actual)	: 191.2 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.25 in	Maximum working pressure	: 90.78 psi.g
Efficiency	: 69.97 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 42.19 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 18.85 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 741 / 4,216 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 209.7 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 9.70 %	Service factor	: 1.00
Flow, best eff. point	: 118.7 USgpm	Power, hydraulic	: 5.73 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 8.18 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 10.15 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 10.00 hp / 7.46 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 1.25x1.5x7 2P	Flow, rated	: 118.7 USgpm
Service	:	Stages	: 1	Head, rated	: 191.2 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 18.85 ft
Quote number	: 25068	Based on curve number	: 1.25x1.5x7 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:32 PM	Efficiency	: 69.97 %	Viscosity	: 1.00 cSt
		Power, rated	: 8.18 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.25x1.5x7 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.25x1.5x7 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:31 PM

Operating Conditions

Flow, rated	: 56.29 USgpm
Head, rated (requested)	: 48.46 ft
Head, rated (actual)	: 48.46 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1750 rpm
Impeller dia.	: 6.75 in
Impeller diameter, maximum	: 6.75 in
Impeller diameter, minimum	: 4.25 in
Efficiency	: 67.82 %
True Weighted Efficiency	: 40.82 %
NPSH required / margin required	: 4.44 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 715 / 4,294 US Units
MCSF	: -
Head max.	: 51.98 ft
Head rise to shutoff	: 7.26 %
Flow, best eff. point	: 56.29 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 20.00 deg C
Fluid density	: 0.998 / 0.998 kg/dm3
Viscosity	: 1.00 cSt
Vapor pressure, rated	: 0.34 psi.a

Material

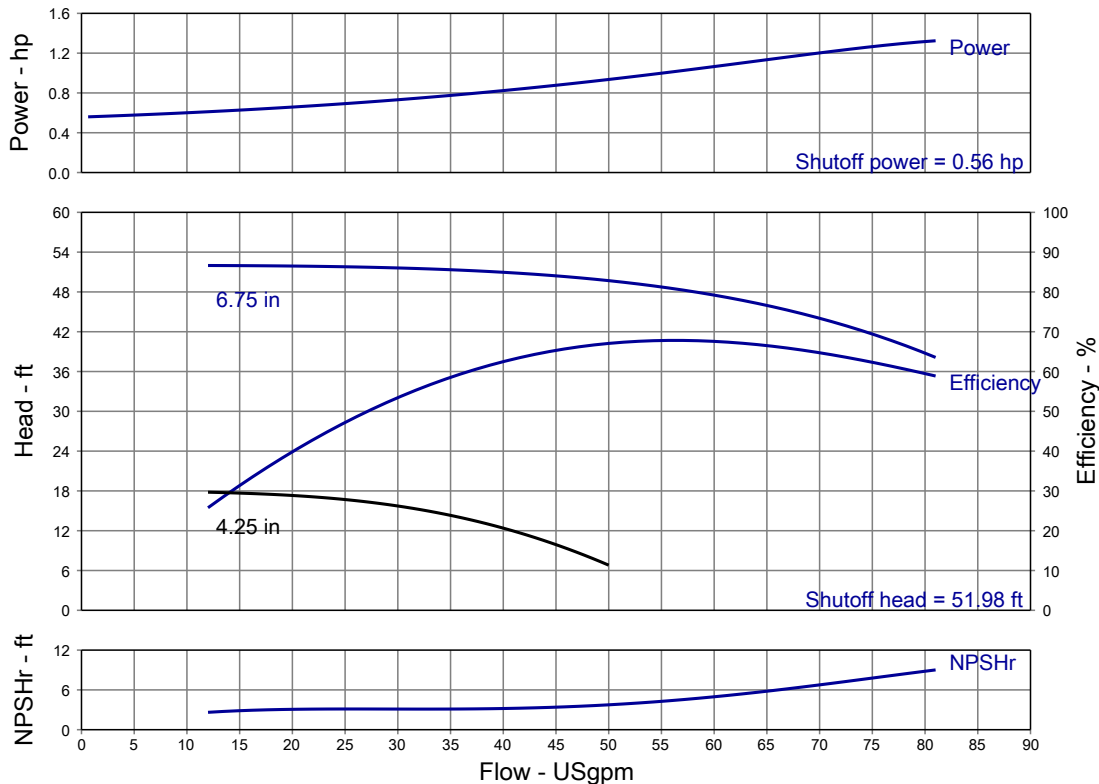
Material selected	: Standard
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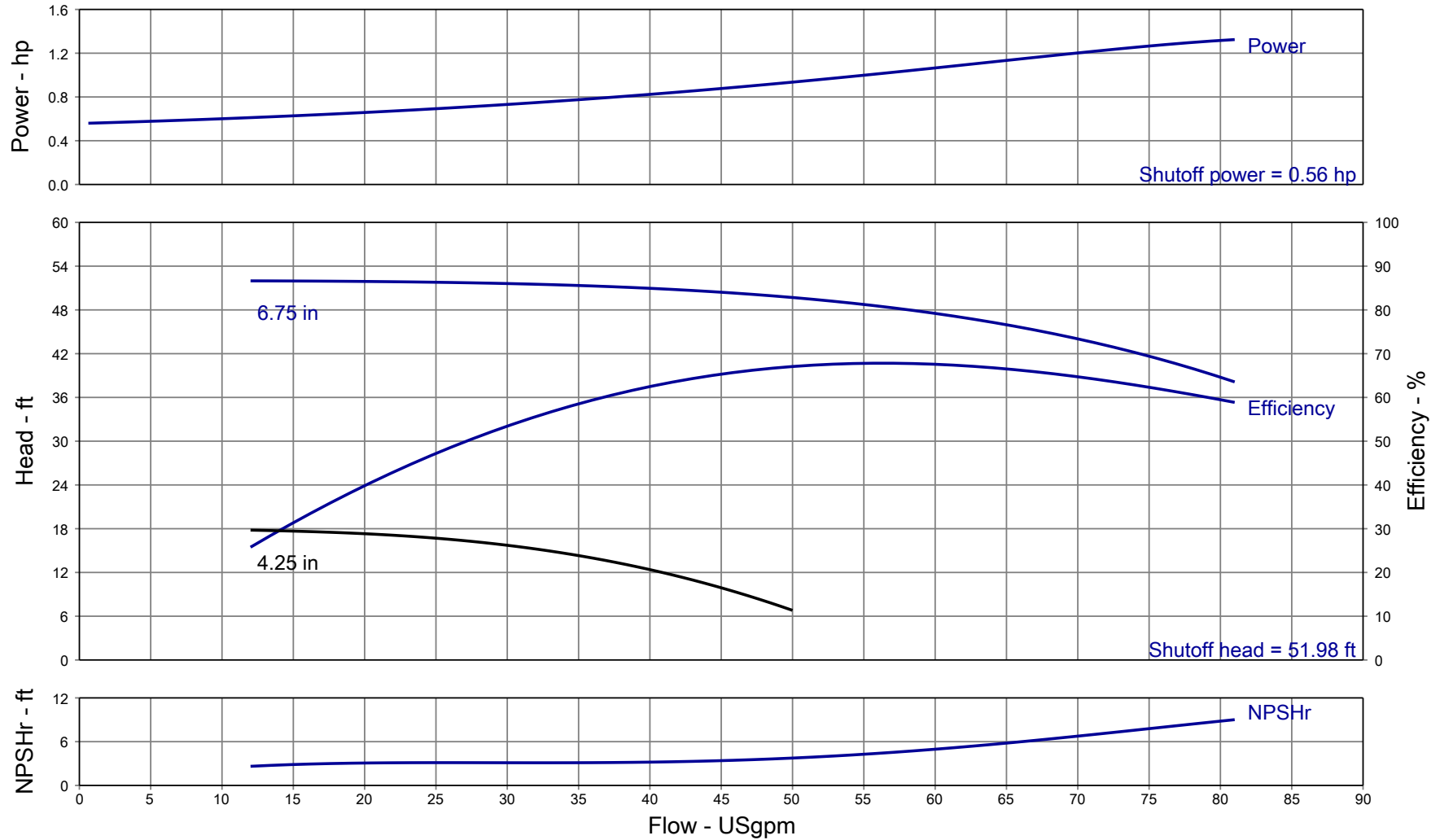
Pressure Data

Maximum working pressure	: 22.50 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 12.07 bar.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 0.69 hp
Power, rated	: 1.02 hp
Power, maximum	: 1.32 hp
Motor rating	: 1.50 hp / 1.12 kW



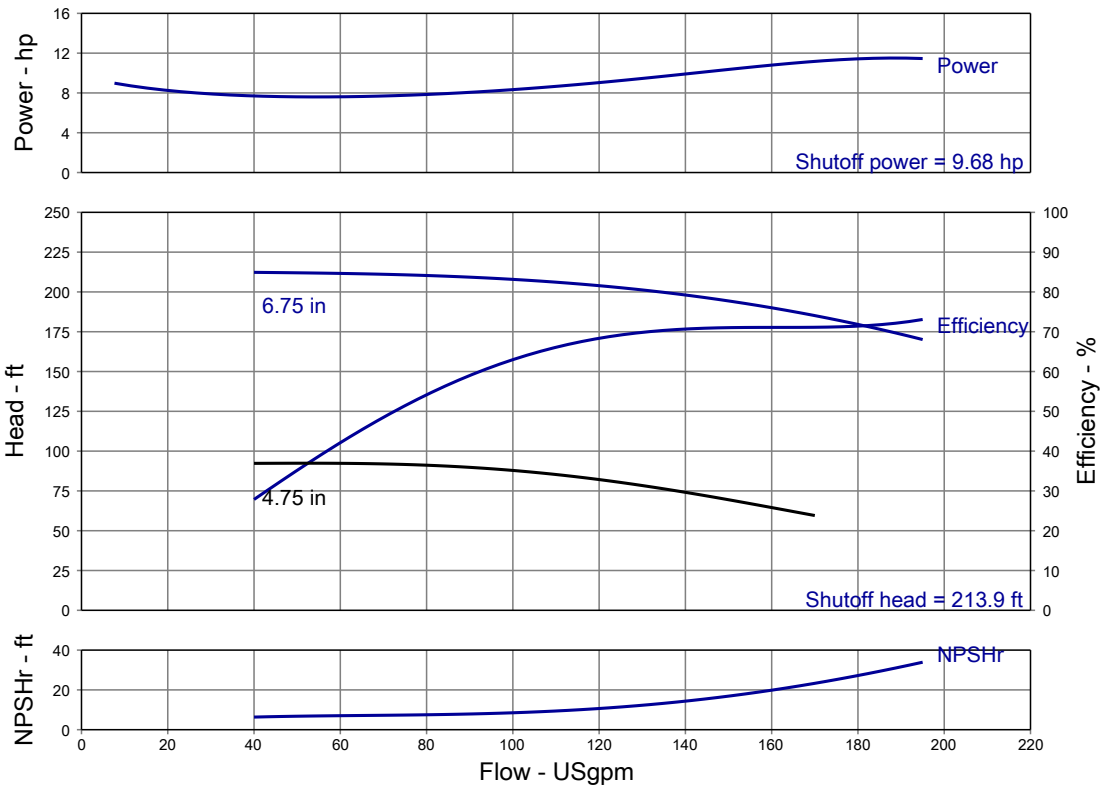


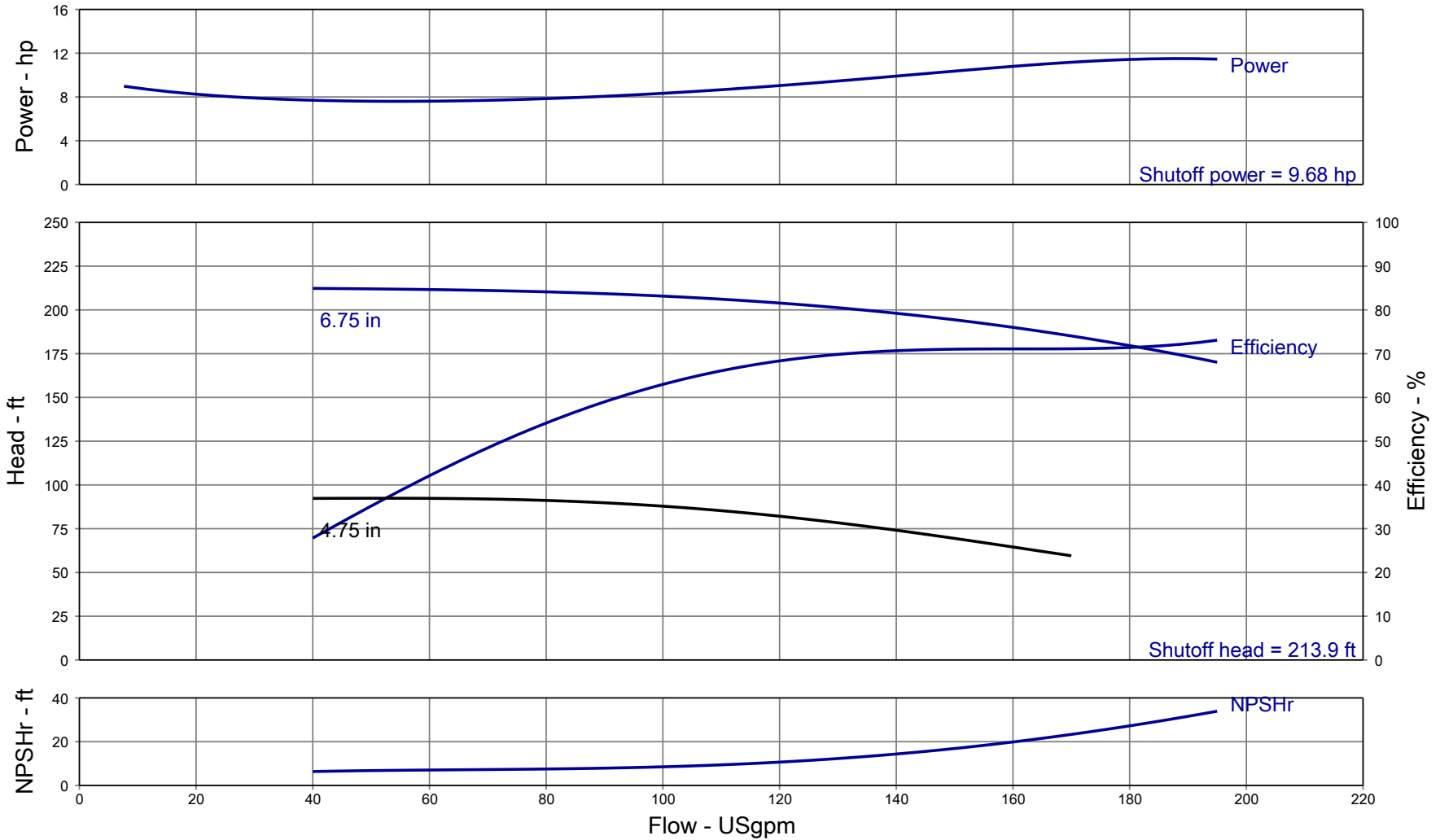
Item number	: 001	Size	: 1.25x1.5x7 4P	Flow, rated	: 56.29 USgpm
Service	:	Stages	: 1	Head, rated	: 48.46 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 4.44 ft
Quote number	: 25068	Based on curve number	: 1.25x1.5x7 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:31 PM	Efficiency	: 67.82 %	Viscosity	: 1.00 cSt
		Power, rated	: 1.02 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.5x2x7 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.5x2x7 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:39 PM

Operating Conditions		Liquid	
Flow, rated	: 195.0 USgpm	Liquid type	: Water
Head, rated (requested)	: 170.1 ft	Additional liquid description	:
Head, rated (actual)	: 170.1 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.75 in	Maximum working pressure	: 91.88 psi.g
Efficiency	: 73.08 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 46.66 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 33.92 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,038 / 3,478 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 212.3 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 25.77 %	Service factor	: 1.00
Flow, best eff. point	: 195.0 USgpm	Power, hydraulic	: 8.37 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 11.46 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 11.51 hp
Head ratio (rated dia / max dia)	: 100.00 %	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		



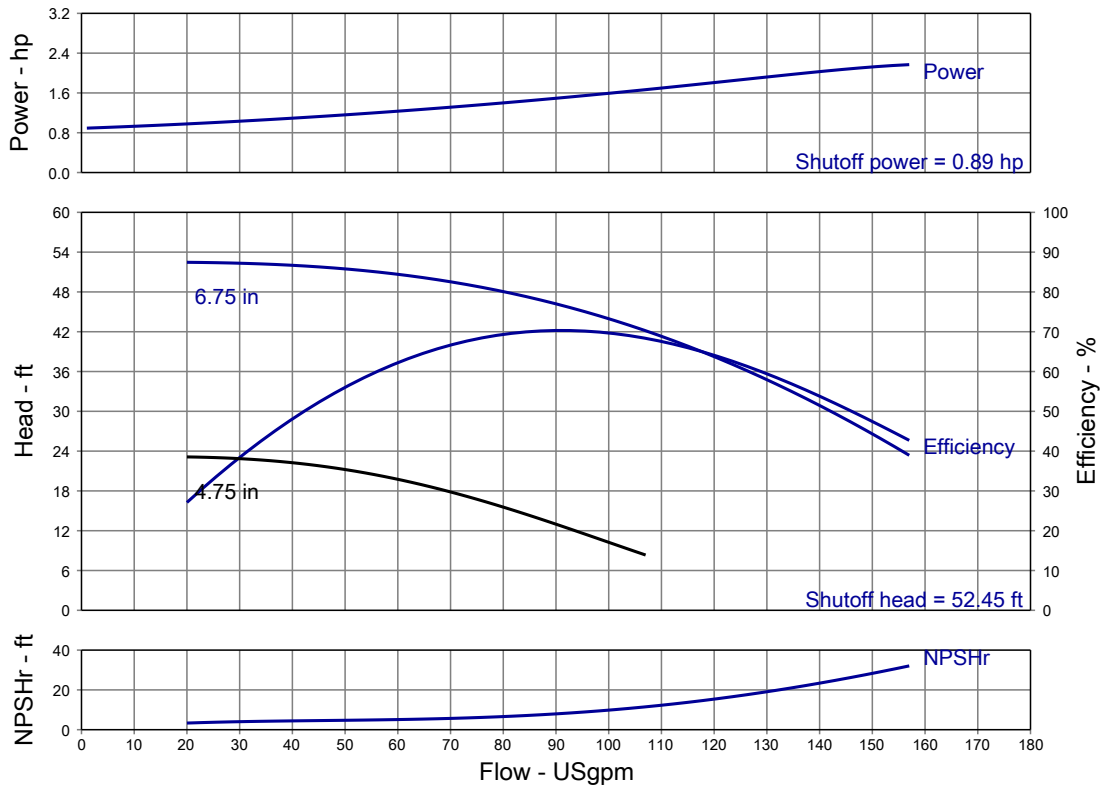


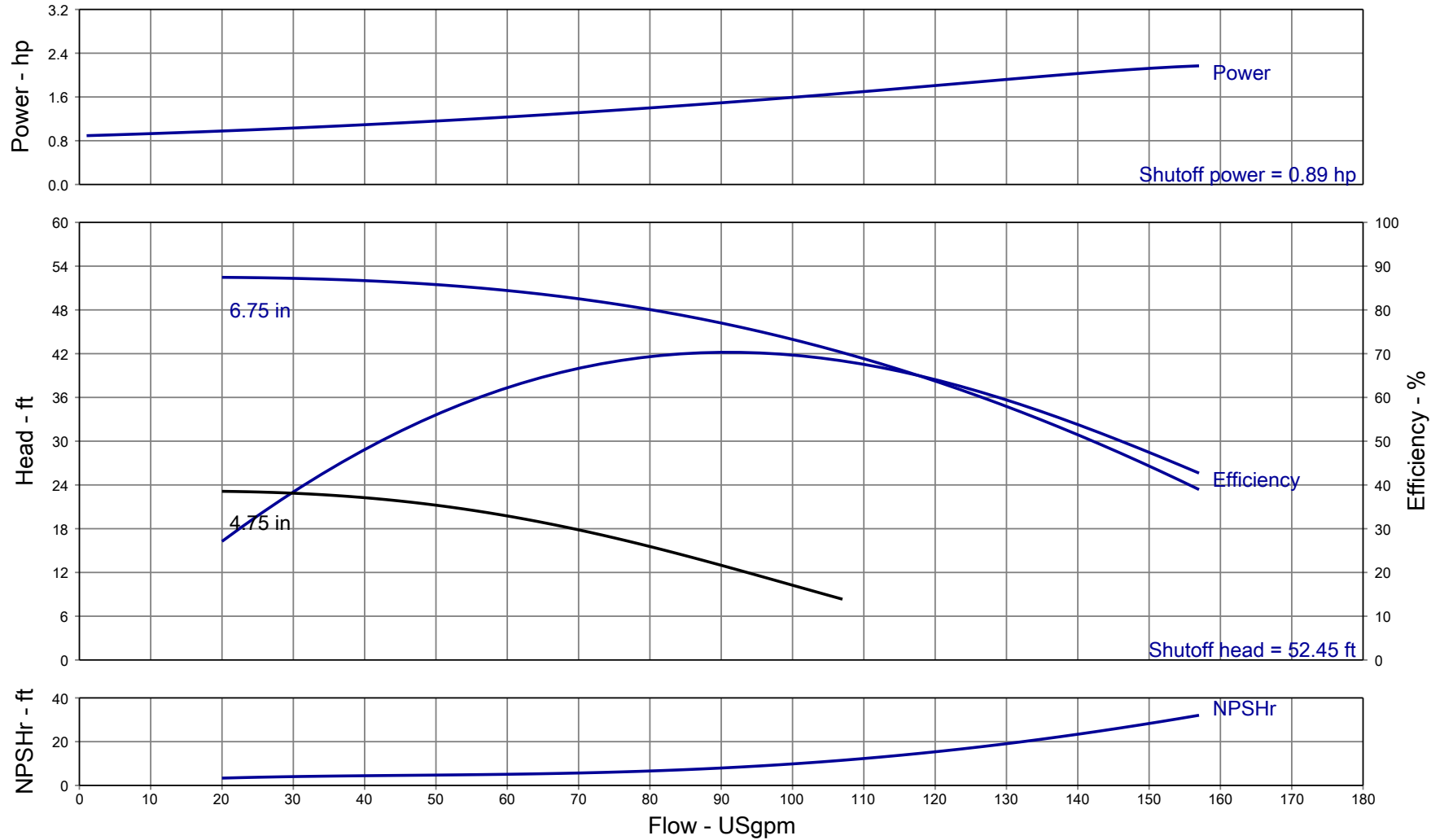
Item number	: 001	Size	: 1.5x2x7 2P	Flow, rated	: 195.0 USgpm
Service	:	Stages	: 1	Head, rated	: 170.1 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 33.92 ft
Quote number	: 25068	Based on curve number	: 1.5x2x7 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:39 PM	Efficiency	: 73.08 %	Viscosity	: 1.00 cSt
		Power, rated	: 11.46 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.5x2x7 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.5x2x7 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:36 PM

Operating Conditions		Liquid	
Flow, rated	: 91.01 USgpm	Liquid type	: Water
Head, rated (requested)	: 45.99 ft	Additional liquid description	:
Head, rated (actual)	: 45.99 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.75 in	Maximum working pressure	: 22.71 psi.g
Efficiency	: 70.32 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 41.74 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 8.12 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 945 / 3,474 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 52.47 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 14.05 %	Service factor	: 1.00
Flow, best eff. point	: 91.01 USgpm	Power, hydraulic	: 1.06 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 1.50 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 2.17 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 2.00 hp / 1.49 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



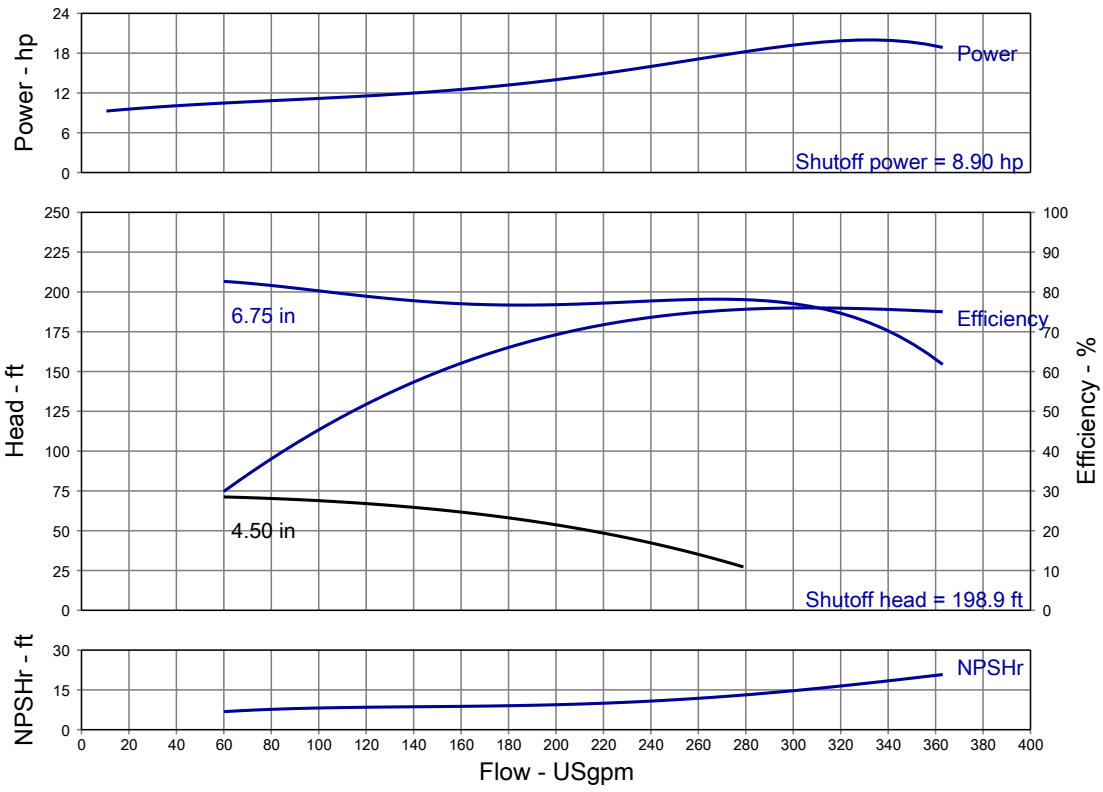


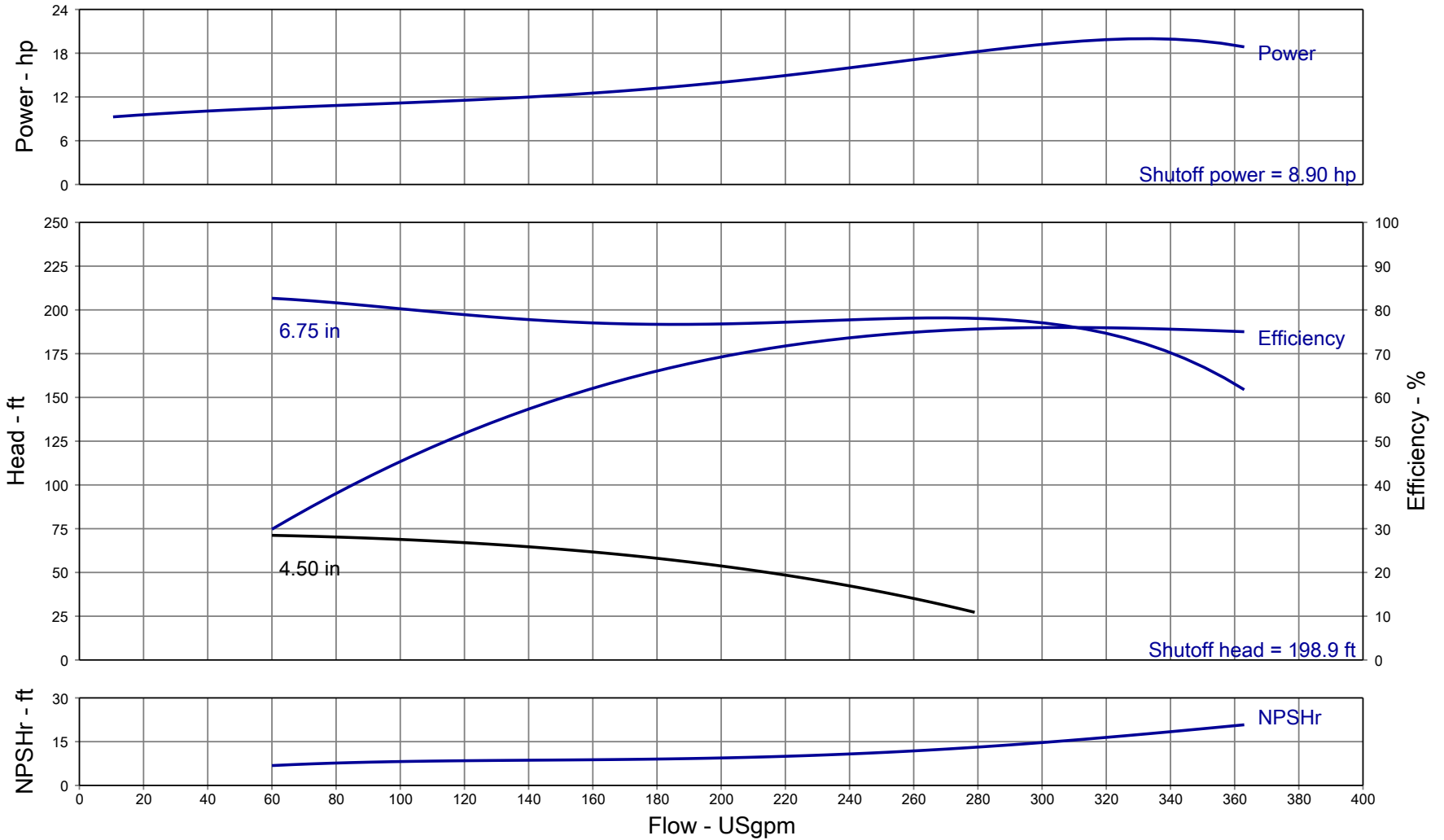
Item number	: 001	Size	: 1.5x2x7 4P	Flow, rated	: 91.01 USgpm
Service	:	Stages	: 1	Head, rated	: 45.99 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 8.12 ft
Quote number	: 25068	Based on curve number	: 1.5x2x7 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:36 PM	Efficiency	: 70.32 %	Viscosity	: 1.00 cSt
		Power, rated	: 1.50 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2x2.5x7A 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x7A 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:42 PM

Operating Conditions		Liquid	
Flow, rated	: 306.8 USgpm	Liquid type	: Water
Head, rated (requested)	: 191.1 ft	Additional liquid description	:
Head, rated (actual)	: 191.1 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.50 in	Maximum working pressure	: 89.43 psi.g
Efficiency	: 75.99 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 48.95 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 15.27 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,193 / 7,935 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 206.6 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 4.10 %	Service factor	: 1.00
Flow, best eff. point	: 306.8 USgpm	Power, hydraulic	: 14.80 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 19.48 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 19.99 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 20.00 hp / 14.91 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



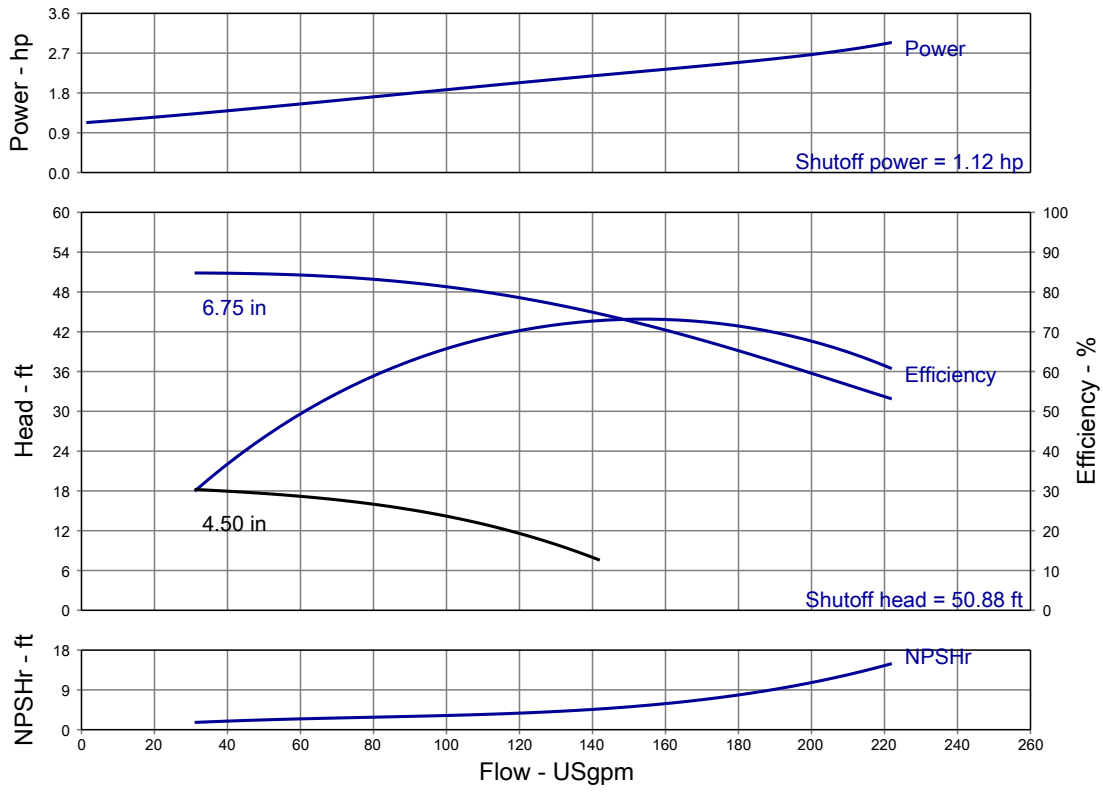


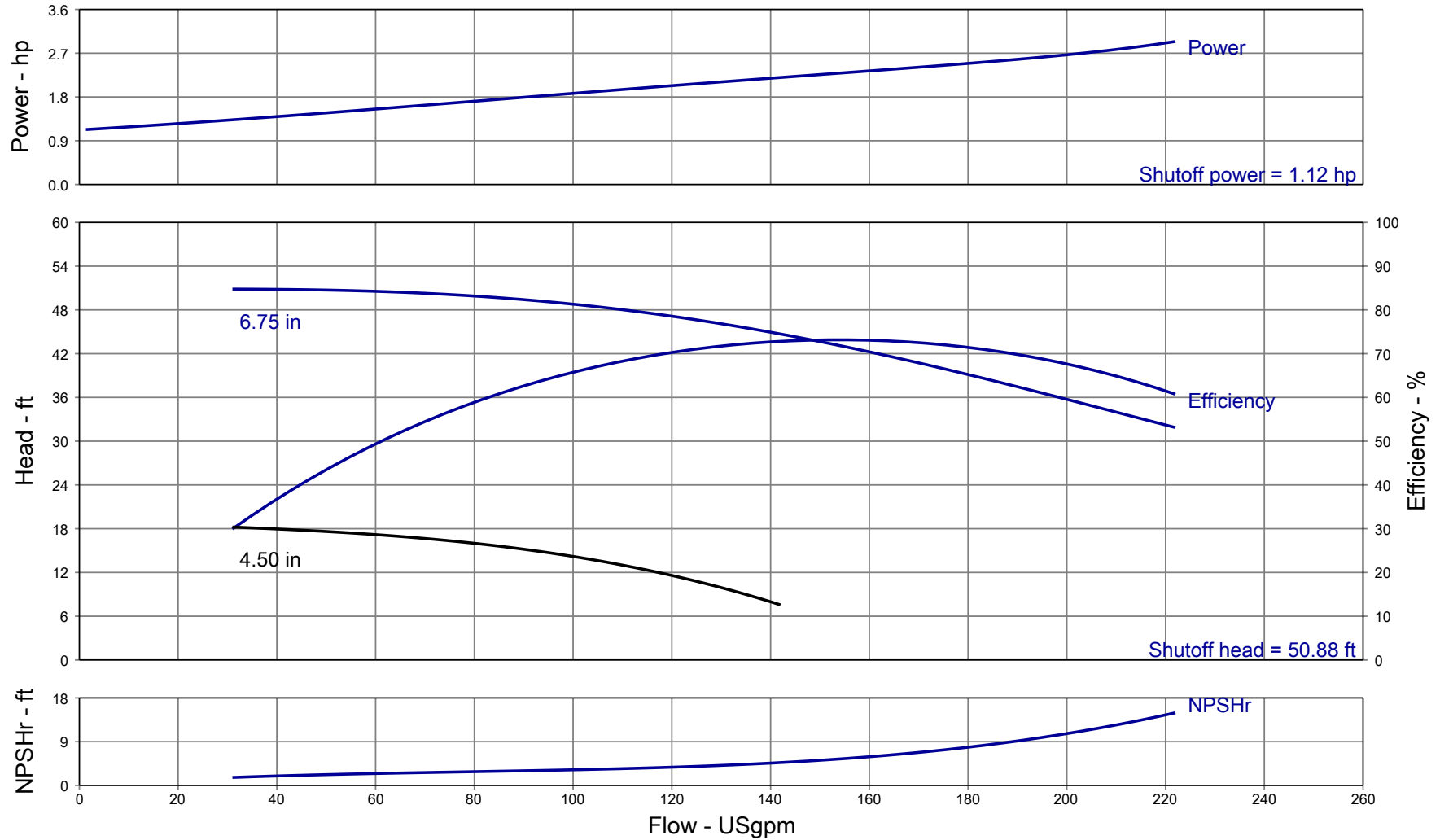
Item number	: 001	Size	: 2x2.5x7A 2P	Flow, rated	: 306.8 USgpm
Service	:	Stages	: 1	Head, rated	: 191.1 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 15.27 ft
Quote number	: 25068	Based on curve number	: 2x2.5x7A 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:42 PM	Efficiency	: 75.99 %	Viscosity	: 1.00 cSt
		Power, rated	: 19.48 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2x2.5x7A 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x7A 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:41 PM

Operating Conditions		Liquid	
Flow, rated	: 153.9 USgpm	Liquid type	: Water
Head, rated (requested)	: 43.12 ft	Additional liquid description	:
Head, rated (actual)	: 43.12 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.50 in	Maximum working pressure	: 22.01 psi.g
Efficiency	: 73.17 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 47.17 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 5.43 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,289 / 6,107 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 50.86 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 17.99 %	Service factor	: 1.00
Flow, best eff. point	: 153.9 USgpm	Power, hydraulic	: 1.68 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 2.29 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 2.94 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 3.00 hp / 2.24 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 2x2.5x7A 4P	Flow, rated	: 153.9 USgpm
Service	:	Stages	: 1	Head, rated	: 43.12 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 5.43 ft
Quote number	: 25068	Based on curve number	: 2x2.5x7A 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:41 PM	Efficiency	: 73.17 %	Viscosity	: 1.00 cSt
		Power, rated	: 2.29 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 2x2.5x7B 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x7B 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:44 PM

Operating Conditions

Flow, rated	: 225.7 USgpm
Head, rated (requested)	: 150.2 ft
Head, rated (actual)	: 150.2 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 3500 rpm
Impeller dia.	: 6.75 in
Impeller diameter, maximum	: 6.75 in
Impeller diameter, minimum	: 4.50 in
Efficiency	: 72.40 %
True Weighted Efficiency	: 43.64 %
NPSH required / margin required	: 9.59 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,225 / 9,649 US Units
MCSF	: -
Head max.	: 180.2 ft
Head rise to shutoff	: 20.21 %
Flow, best eff. point	: 225.7 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 20.00 deg C
Fluid density	: 0.998 / 0.998 kg/dm3
Viscosity	: 1.00 cSt
Vapor pressure, rated	: 0.34 psi.a

Material

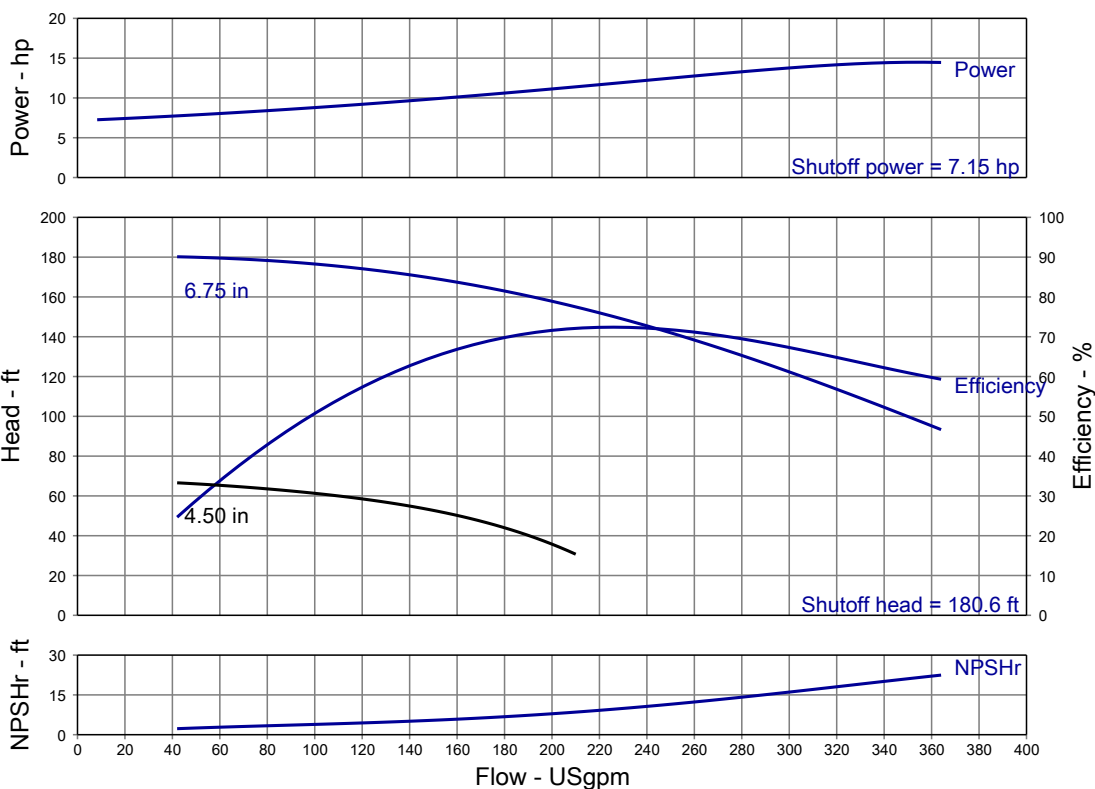
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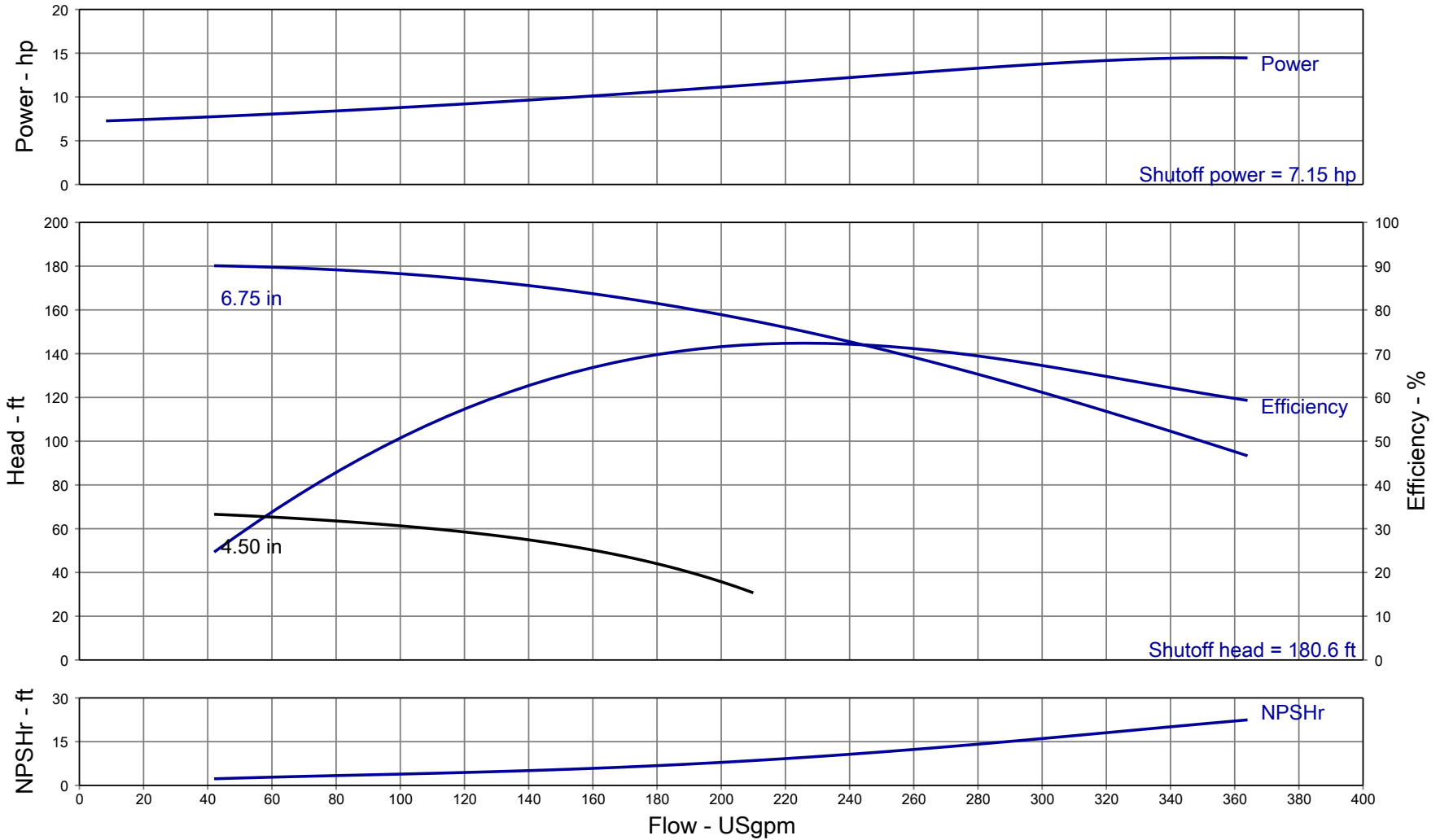
Pressure Data

Maximum working pressure	: 77.98 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 12.07 bar.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 8.56 hp
Power, rated	: 11.82 hp
Power, maximum	: 14.49 hp
Motor rating	: 15.00 hp / 11.19 kW





Item number	: 001	Size	: 2x2.5x7B 2P	Flow, rated	: 225.7 USgpm
Service	:	Stages	: 1	Head, rated	: 150.2 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 9.59 ft
Quote number	: 25068	Based on curve number	: 2x2.5x7B 2P	Fluid density	: 0.998 / 0.998 kg/dm ³
Date last saved	: 27 Oct 2022 6:44 PM	Efficiency	: 72.40 %	Viscosity	: 1.00 cSt
		Power, rated	: 11.82 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 2x2.5x7B 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x7B 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:43 PM

Operating Conditions

Flow, rated	: 128.9 USgpm
Head, rated (requested)	: 34.86 ft
Head, rated (actual)	: 34.86 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1750 rpm
Impeller dia.	: 6.75 in
Impeller diameter, maximum	: 6.75 in
Impeller diameter, minimum	: 4.75 in
Efficiency	: 70.66 %
True Weighted Efficiency	: 42.48 %
NPSH required / margin required	: 3.85 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,385 / 7,229 US Units
MCSF	: -
Head max.	: 45.77 ft
Head rise to shutoff	: 31.76 %
Flow, best eff. point	: 128.9 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 20.00 deg C
Fluid density	: 0.998 / 0.998 kg/dm3
Viscosity	: 1.00 cSt
Vapor pressure, rated	: 0.34 psi.a

Material

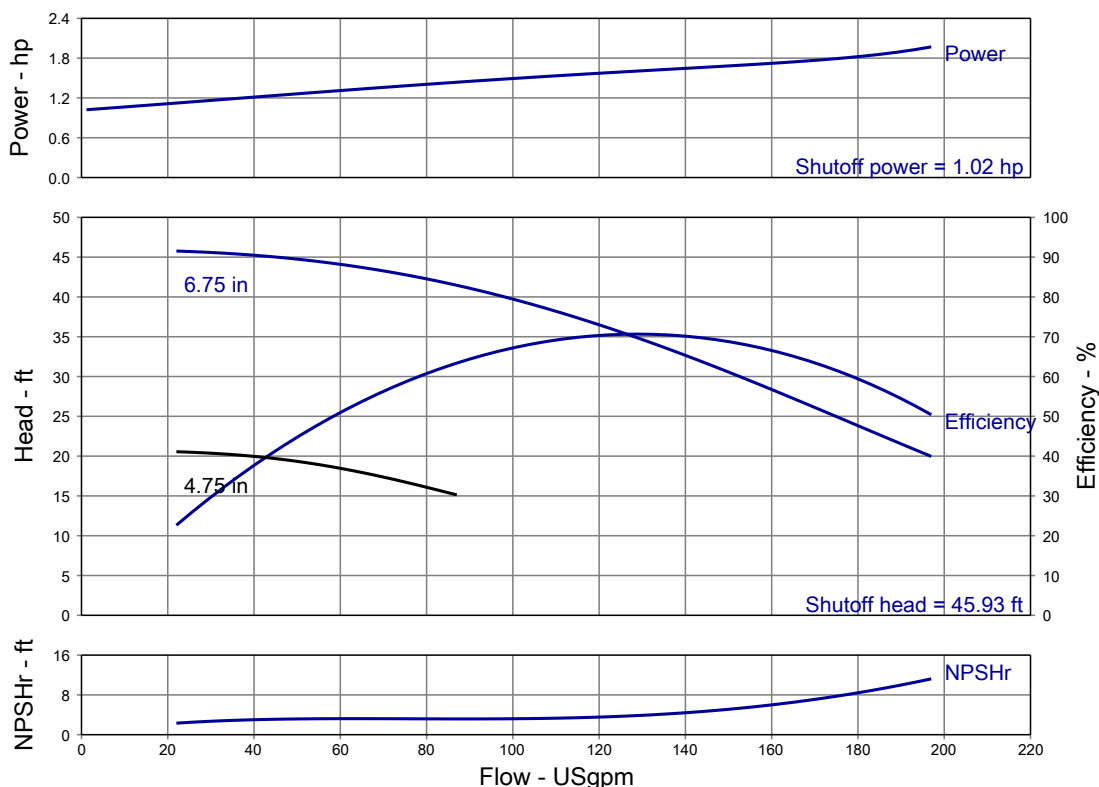
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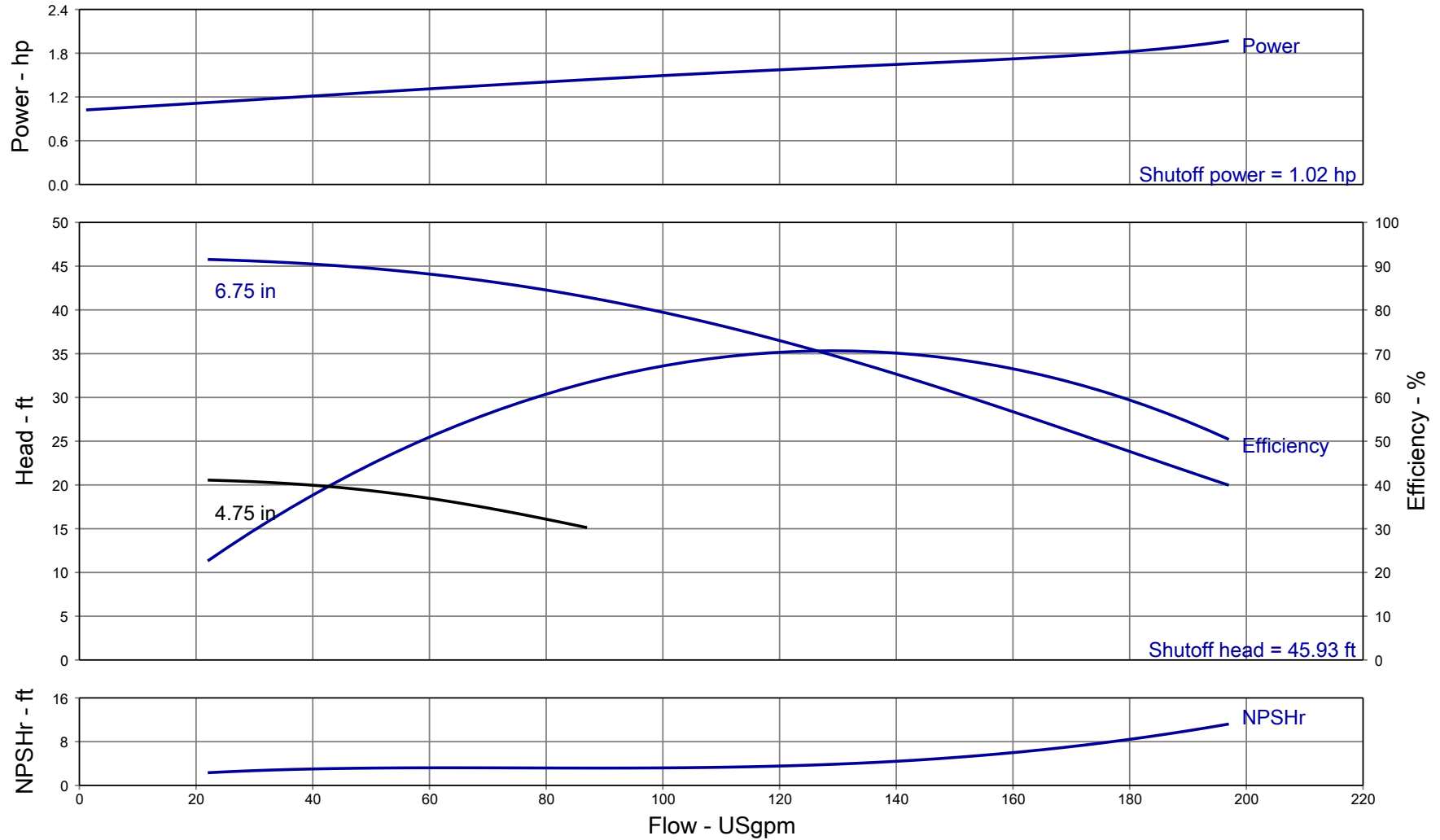
Pressure Data

Maximum working pressure	: 19.81 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 12.07 bar.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 1.13 hp
Power, rated	: 1.61 hp
Power, maximum	: 1.97 hp
Motor rating	: 2.00 hp / 1.49 kW



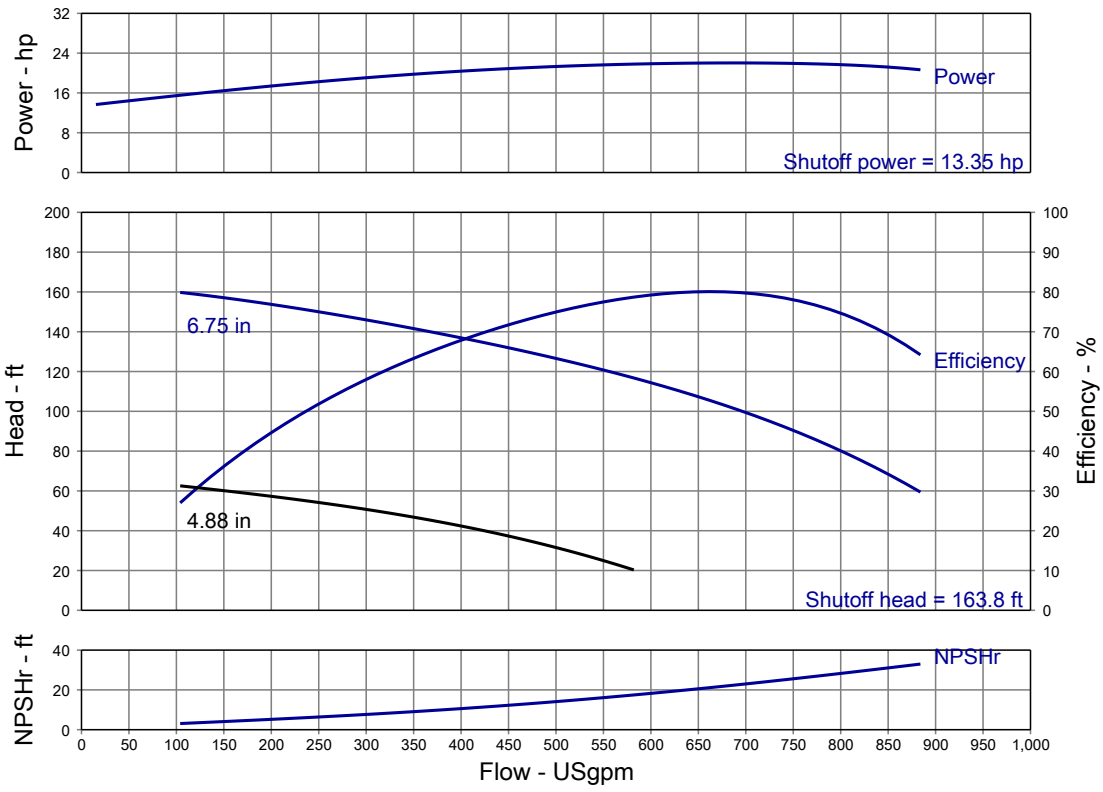


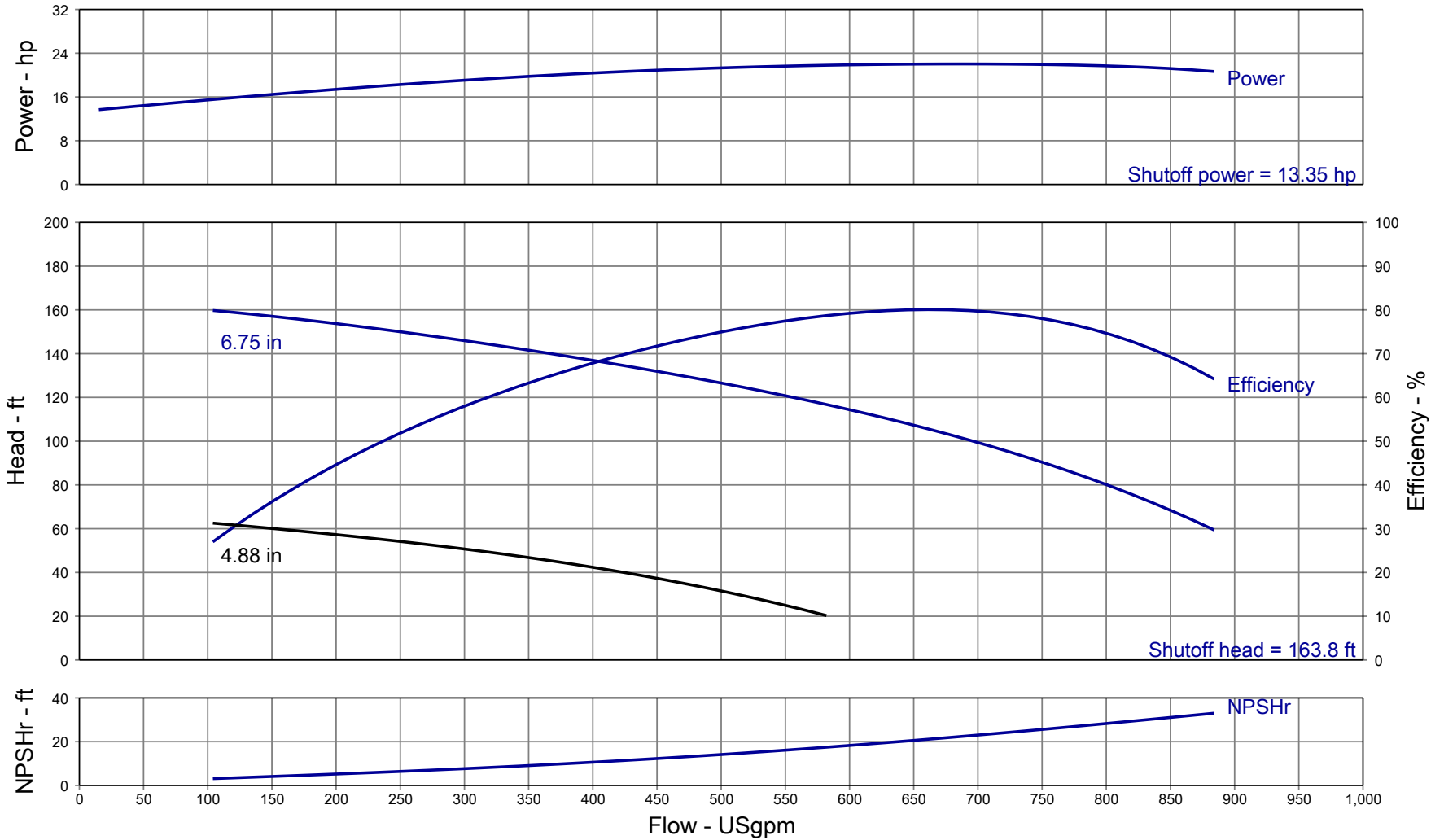
Item number	: 001	Size	: 2x2.5x7B 4P	Flow, rated	: 128.9 USgpm
Service	:	Stages	: 1	Head, rated	: 34.86 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 3.85 ft
Quote number	: 25068	Based on curve number	: 2x2.5x7B 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:43 PM	Efficiency	: 70.66 %	Viscosity	: 1.00 cSt
		Power, rated	: 1.61 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 4 x 7A 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x4x7A 2P 340
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:46 PM

Operating Conditions		Liquid	
Flow, rated	: 662.5 USgpm	Liquid type	: Water
Head, rated (requested)	: 105.4 ft	Additional liquid description	:
Head, rated (actual)	: 105.4 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.88 in	Maximum working pressure	: 69.14 psi.g
Efficiency	: 80.08 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 50.23 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 21.16 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,739 / 9,130 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 159.8 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 55.38 %	Service factor	: 1.00
Flow, best eff. point	: 662.5 USgpm	Power, hydraulic	: 17.63 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 22.02 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 22.03 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 25.00 hp / 18.64 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



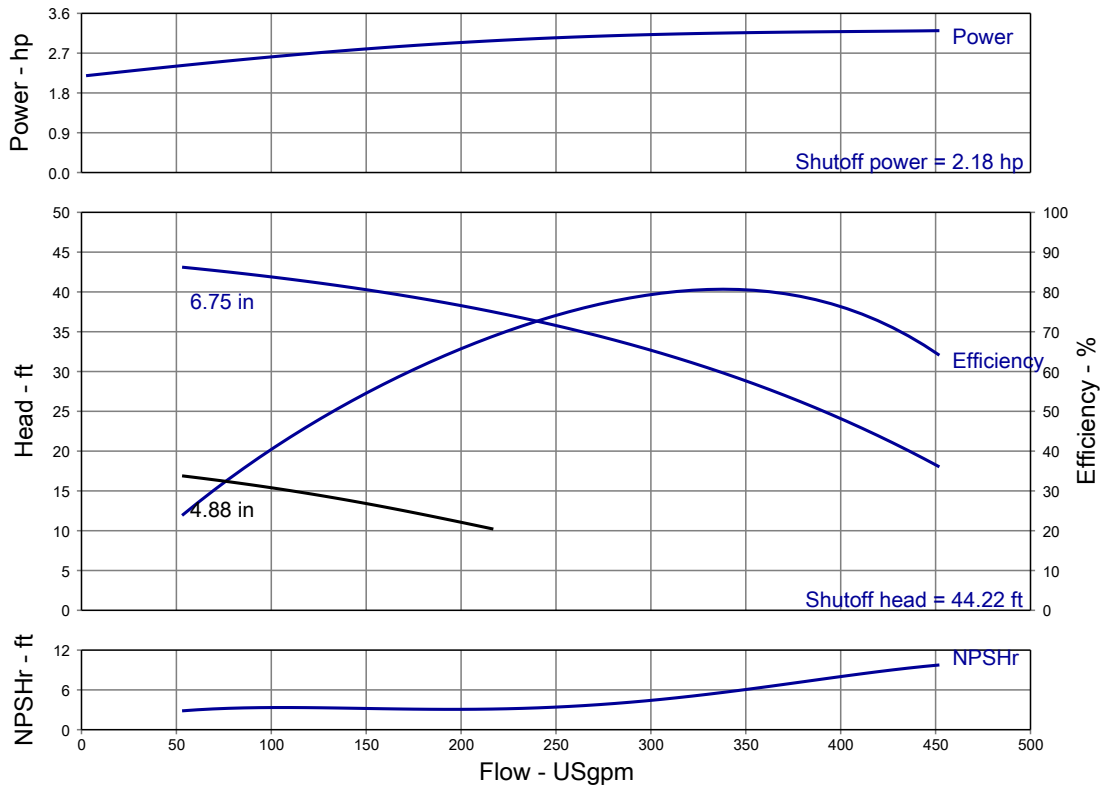


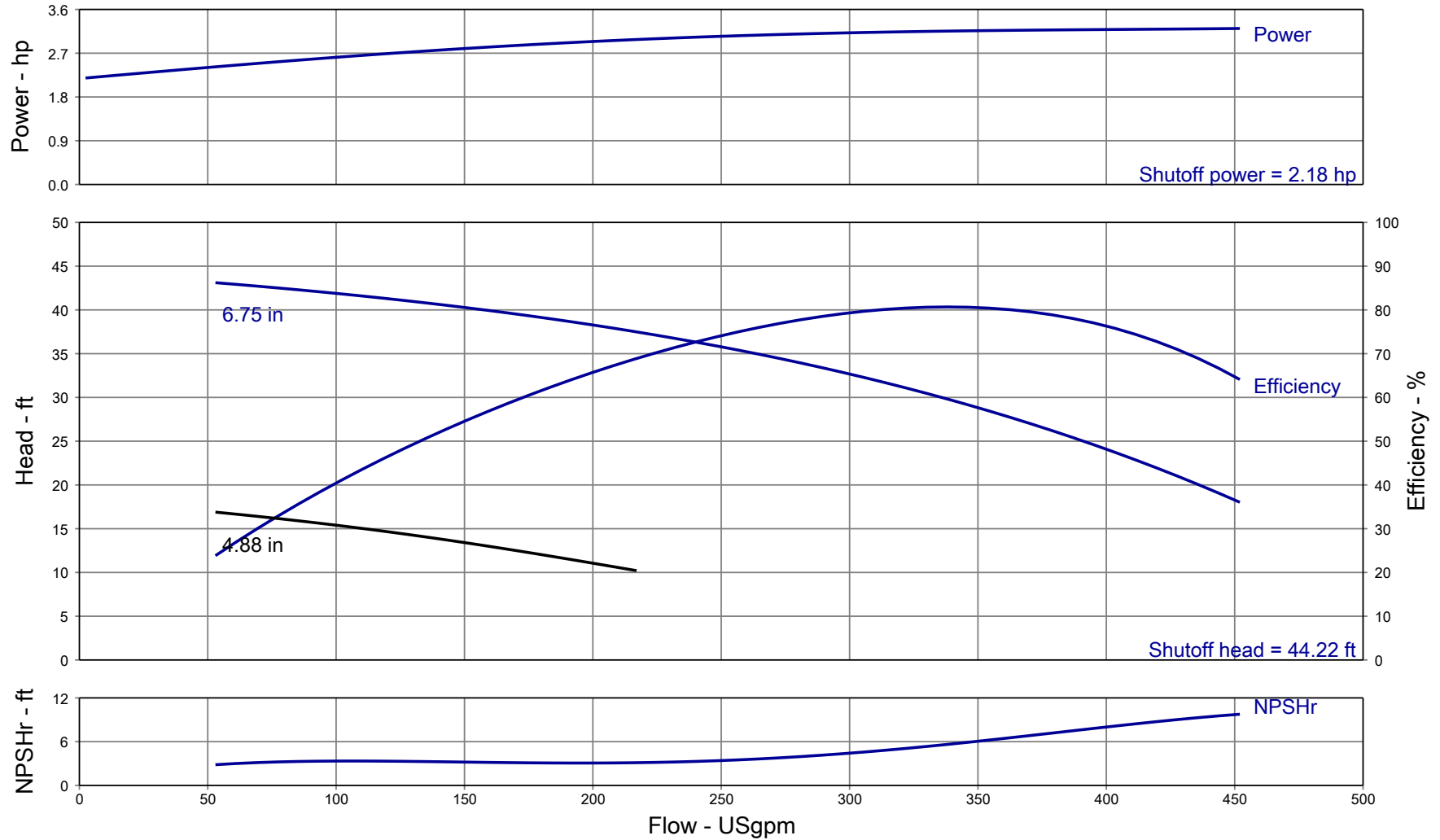
Item number	: 001	Size	: 4 x 4 x 7A 2P	Flow, rated	: 662.5 USgpm
Service	:	Stages	: 1	Head, rated	: 105.4 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 21.16 ft
Quote number	: 25068	Based on curve number	: 4x4x7A 2P 340	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:46 PM	Efficiency	: 80.08 %	Viscosity	: 1.00 cSt
		Power, rated	: 22.02 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 4 x 7A 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x4x7A 4P 340
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:45 PM

Operating Conditions		Liquid	
Flow, rated	: 338.2 USgpm	Liquid type	: Water
Head, rated (requested)	: 29.81 ft	Additional liquid description	:
Head, rated (actual)	: 29.81 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.88 in	Maximum working pressure	: 18.66 psi.g
Efficiency	: 80.68 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 47.18 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 5.63 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,517 / 8,827 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 43.11 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 48.33 %	Service factor	: 1.00
Flow, best eff. point	: 338.2 USgpm	Power, hydraulic	: 2.55 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 3.15 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 3.21 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 5.00 hp / 3.73 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



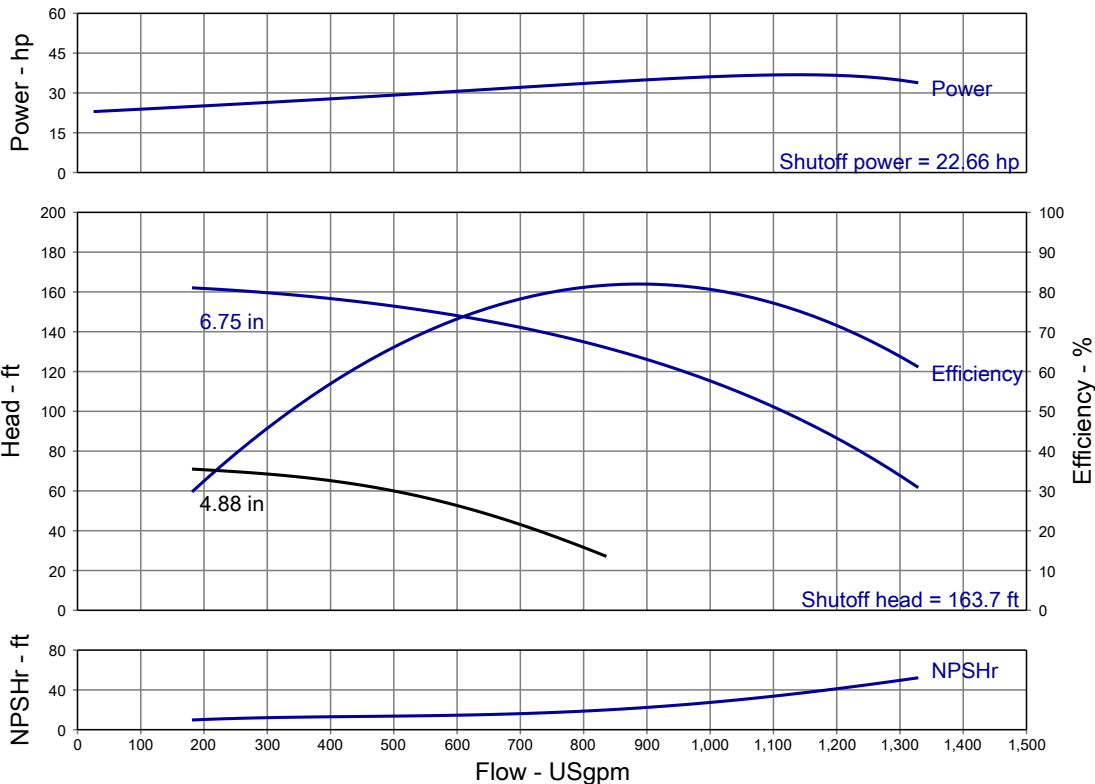


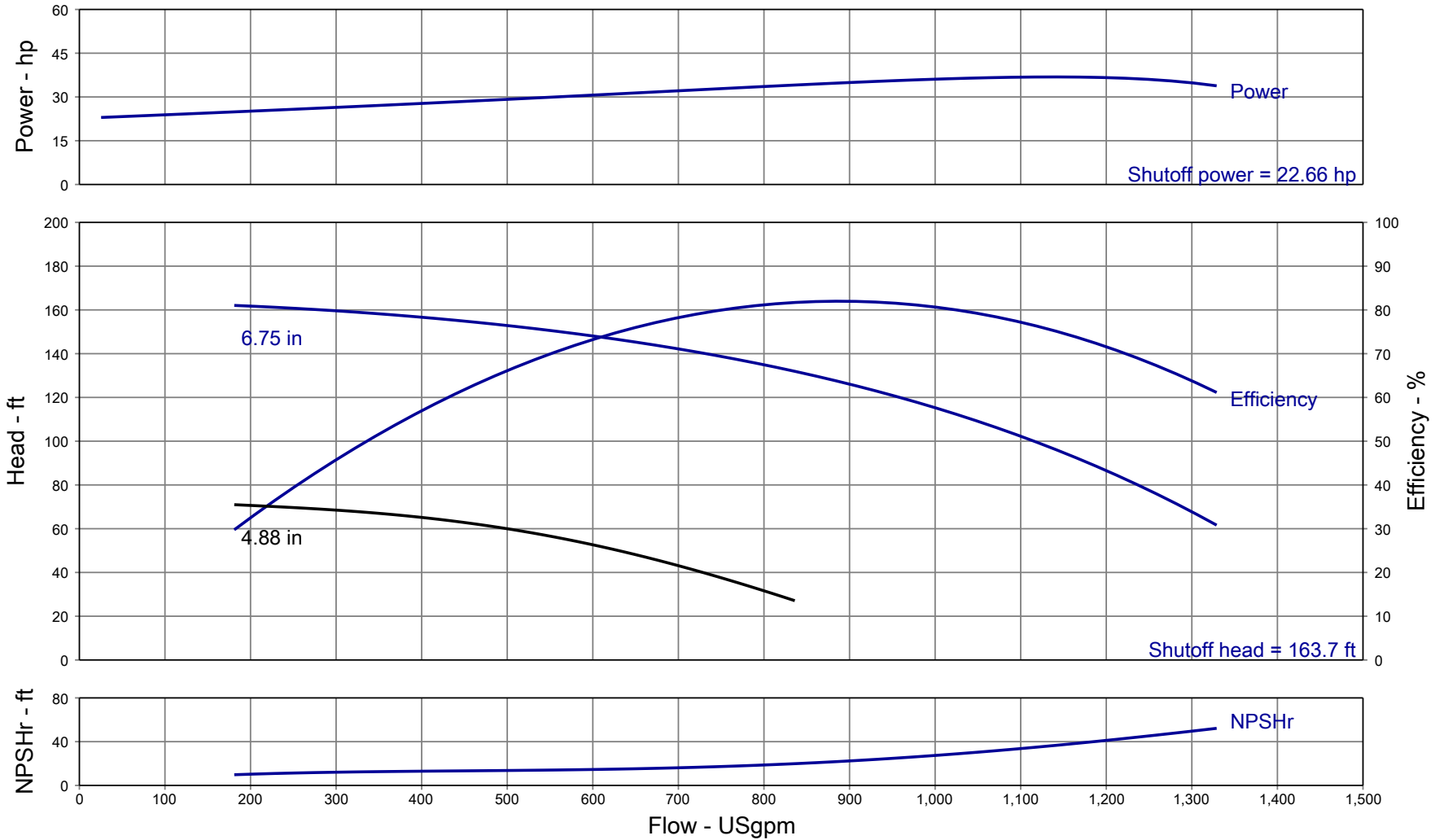
Item number	: 001	Size	: 4 x 4 x 7A 4P	Flow, rated	: 338.2 USgpm
Service	:	Stages	: 1	Head, rated	: 29.81 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 5.63 ft
Quote number	: 25068	Based on curve number	: 4x4x7A 4P 340	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:45 PM	Efficiency	: 80.68 %	Viscosity	: 1.00 cSt
		Power, rated	: 3.15 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 4 x 7B 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x4x7B 2P 340
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:48 PM

Operating Conditions		Liquid	
Flow, rated	: 888.1 USgpm	Liquid type	: Water
Head, rated (requested)	: 127.2 ft	Additional liquid description	:
Head, rated (actual)	: 127.2 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.88 in	Maximum working pressure	: 70.14 psi.g
Efficiency	: 81.99 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 48.36 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 21.88 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,754 / 10,308 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 162.1 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 28.66 %	Service factor	: 1.00
Flow, best eff. point	: 888.1 USgpm	Power, hydraulic	: 28.52 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 34.79 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 36.86 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 40.00 hp / 29.83 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



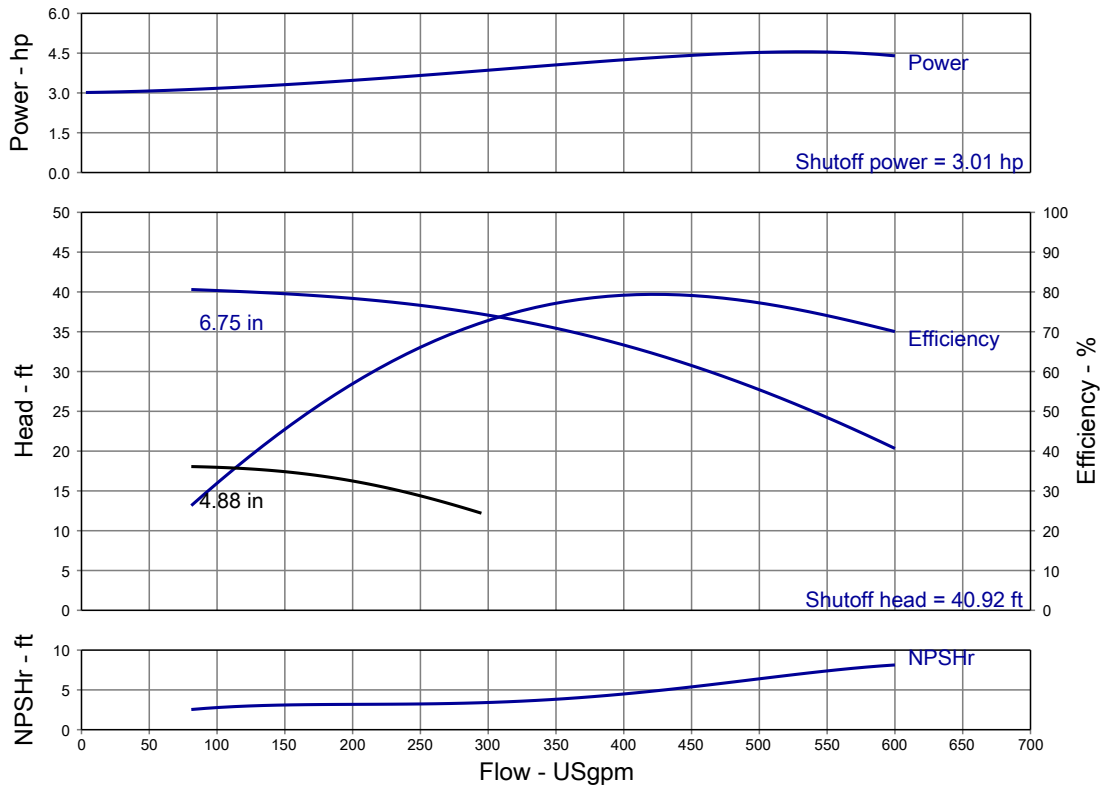


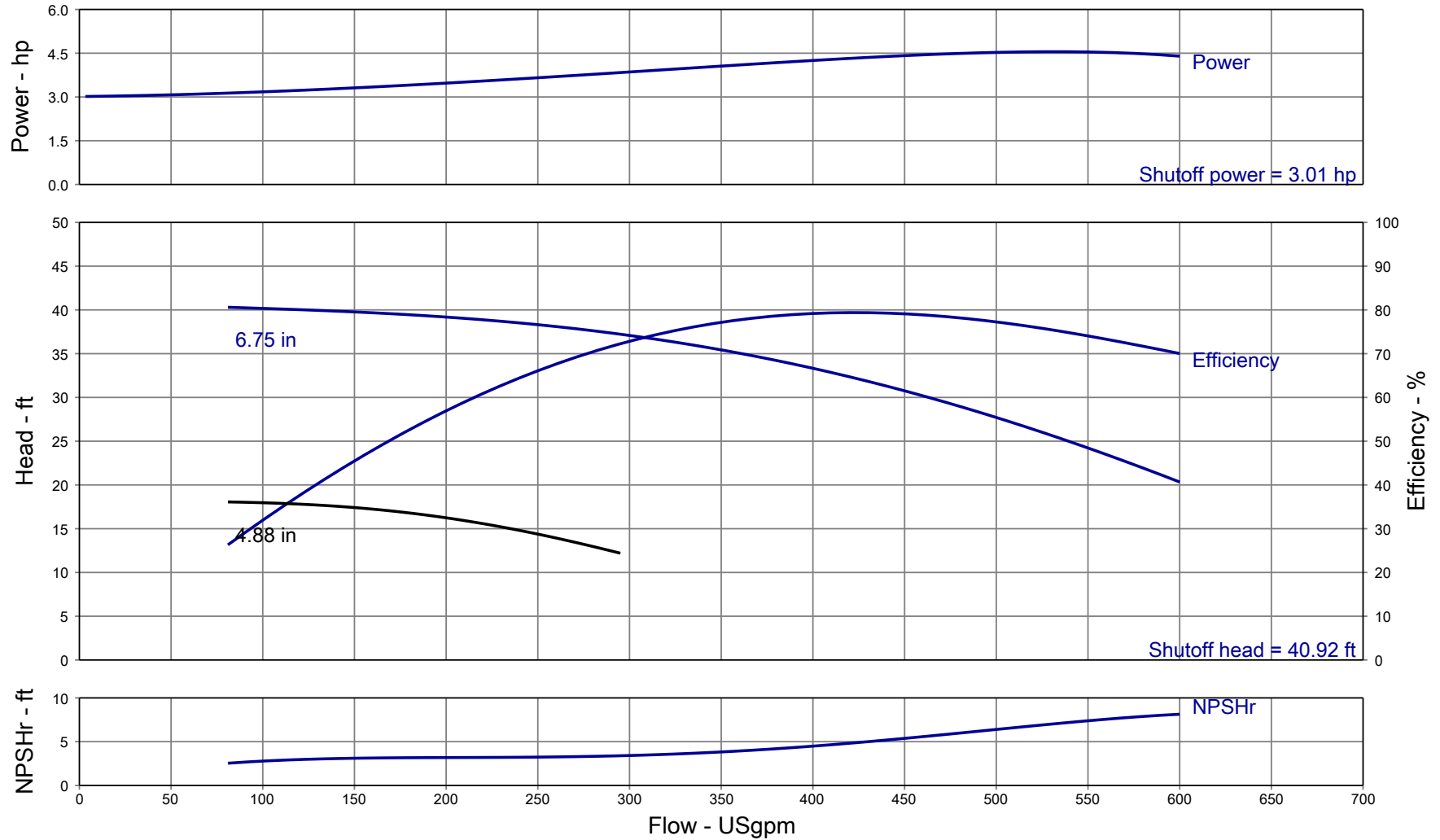
Item number	: 001	Size	: 4 x 4 x 7B 2P	Flow, rated	: 888.1 USgpm
Service	:	Stages	: 1	Head, rated	: 127.2 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 21.88 ft
Quote number	: 25068	Based on curve number	: 4x4x7B 2P 340	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:48 PM	Efficiency	: 81.99 %	Viscosity	: 1.00 cSt
		Power, rated	: 34.79 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 4 x 7B 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x4x7B 4P 340
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:47 PM

Operating Conditions		Liquid	
Flow, rated	: 422.7 USgpm	Liquid type	: Water
Head, rated (requested)	: 32.22 ft	Additional liquid description	:
Head, rated (actual)	: 32.22 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.88 in	Maximum working pressure	: 17.44 psi.g
Efficiency	: 79.39 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 46.20 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 4.87 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,662 / 10,978 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 40.30 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 27.02 %	Service factor	: 1.00
Flow, best eff. point	: 422.7 USgpm	Power, hydraulic	: 3.44 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 4.33 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 4.55 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 5.00 hp / 3.73 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



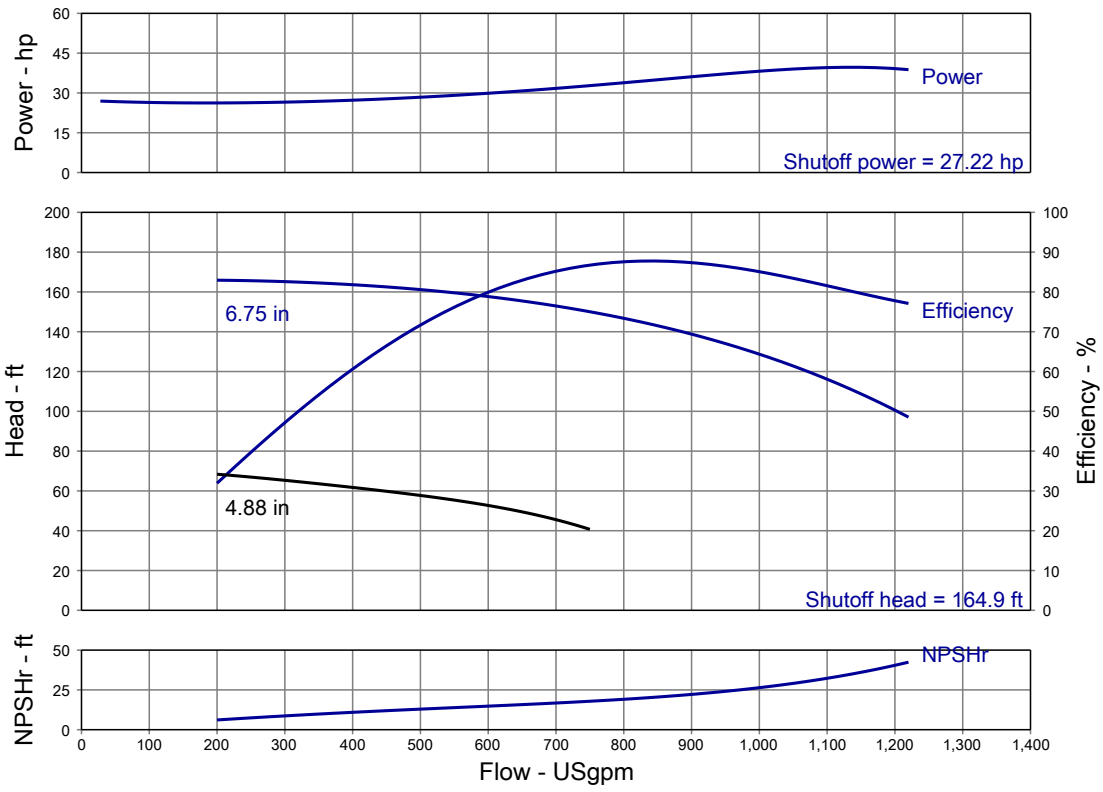


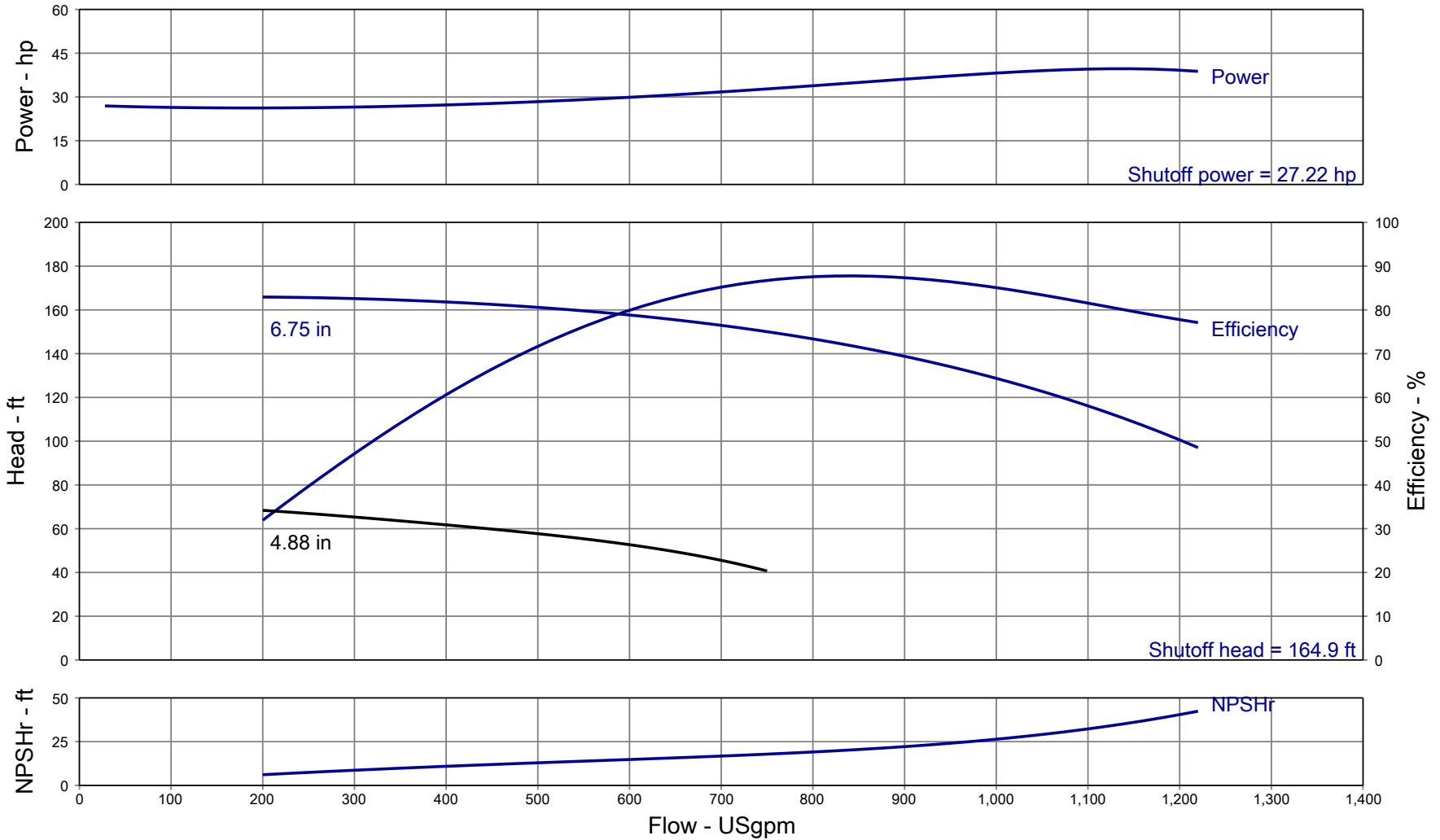
Item number	: 001	Size	: 4 x 4 x 7B 4P	Flow, rated	: 422.7 USgpm
Service	:	Stages	: 1	Head, rated	: 32.22 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 4.87 ft
Quote number	: 25068	Based on curve number	: 4x4x7B 4P 340	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:47 PM	Efficiency	: 79.39 %	Viscosity	: 1.00 cSt
		Power, rated	: 4.33 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 4 x 7B BRONCE 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x4x7B 2P BRONCE
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:50 PM

Operating Conditions		Liquid	
Flow, rated	: 839.9 USgpm	Liquid type	: Water
Head, rated (requested)	: 143.8 ft	Additional liquid description	:
Head, rated (actual)	: 143.8 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.88 in	Maximum working pressure	: 71.80 psi.g
Efficiency	: 87.78 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 47.71 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 20.21 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,444 / 10,636 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 165.9 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 14.64 %	Service factor	: 1.00
Flow, best eff. point	: 839.9 USgpm	Power, hydraulic	: 30.49 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 34.74 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 39.68 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 40.00 hp / 29.83 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



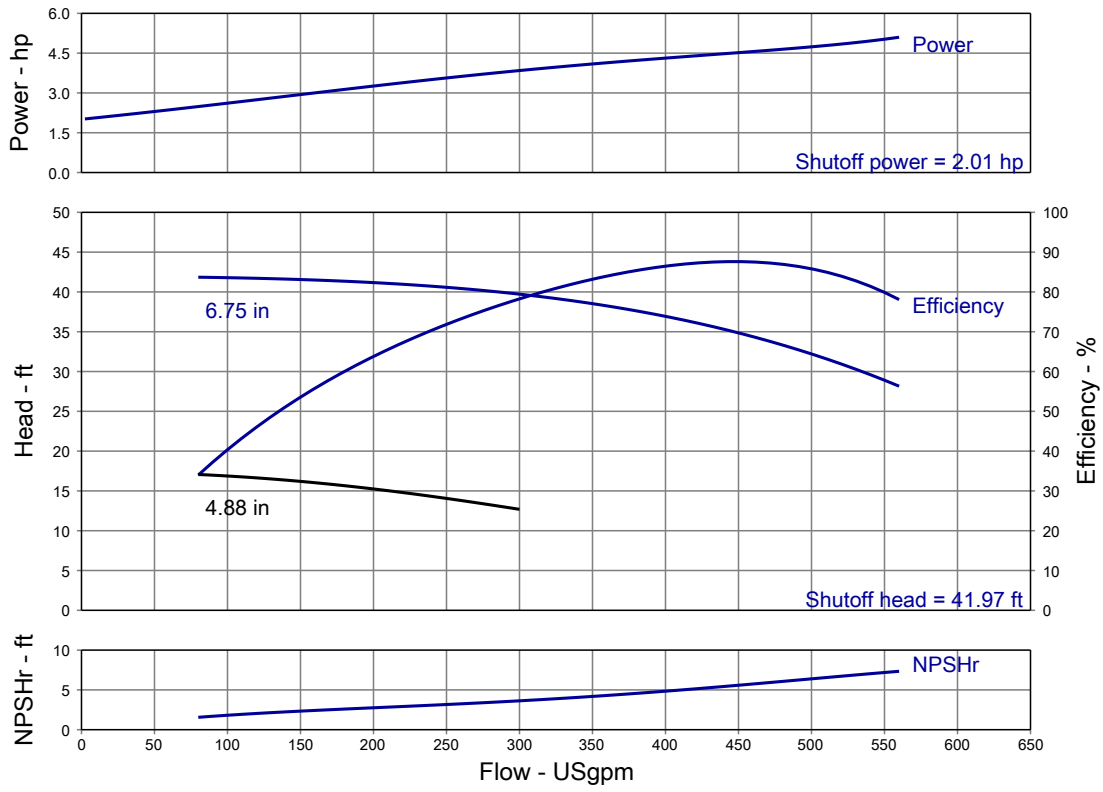


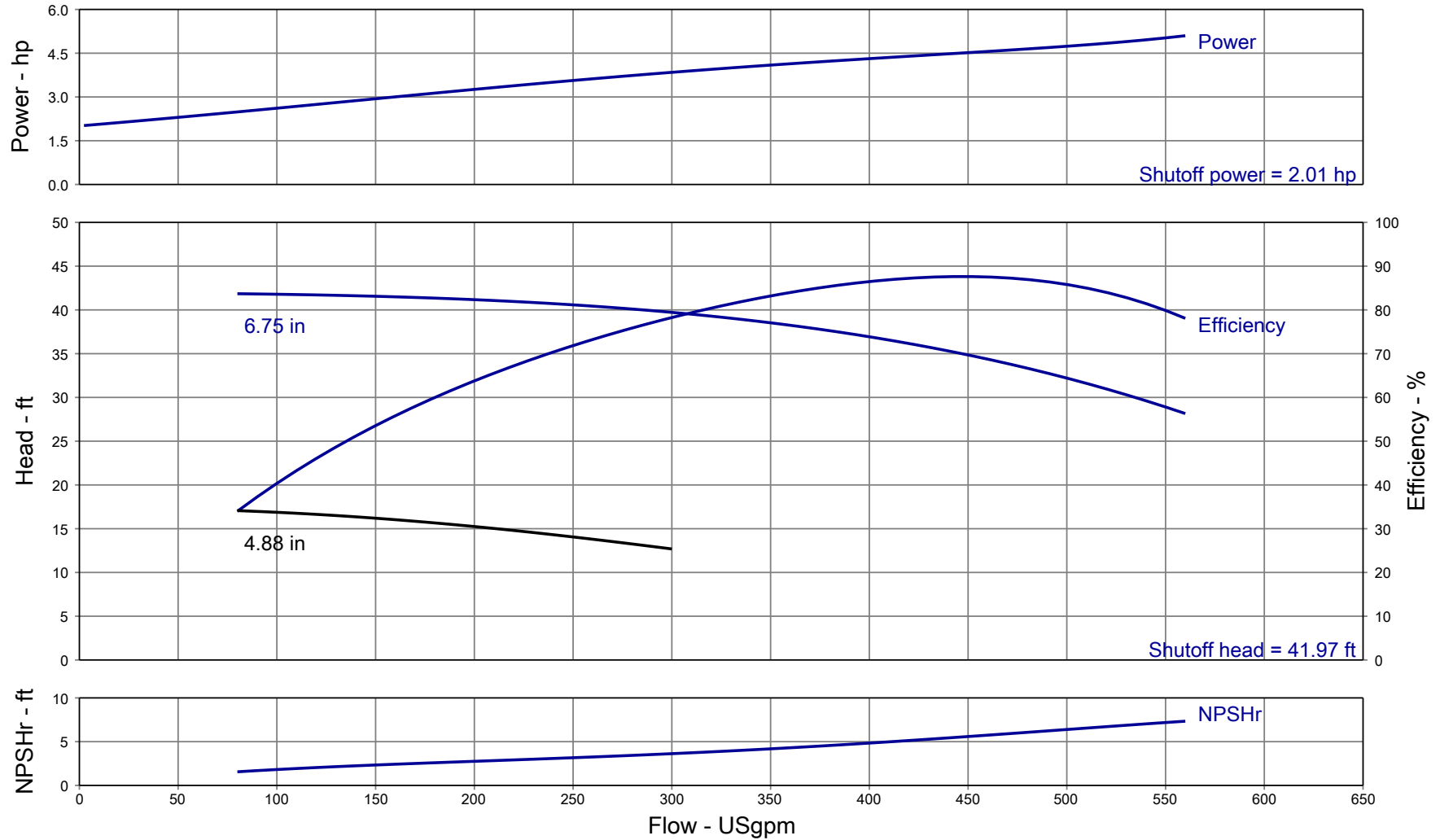
Item number	: 001	Size	: 4 x 4 x 7B BRONCE 2P	Flow, rated	: 839.9 USgpm
Service	:	Stages	: 1	Head, rated	: 143.8 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 20.21 ft
Quote number	: 25068	Based on curve number	: 4x4x7B 2P BRONCE	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:50 PM	Efficiency	: 87.78 %	Viscosity	: 1.00 cSt
		Power, rated	: 34.74 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 4 x 7B BRONCE 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x4x7B 4P BRONCE
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:49 PM

Operating Conditions		Liquid	
Flow, rated	: 447.1 USgpm	Liquid type	: Water
Head, rated (requested)	: 34.99 ft	Additional liquid description	:
Head, rated (actual)	: 34.99 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 6.75 in	Material selected	: Standard
Impeller diameter, maximum	: 6.75 in	Pressure Data	
Impeller diameter, minimum	: 4.88 in	Maximum working pressure	: 18.11 psi.g
Efficiency	: 87.63 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 56.87 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 5.54 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,570 / 10,251 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 41.85 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 19.97 %	Service factor	: 1.00
Flow, best eff. point	: 447.1 USgpm	Power, hydraulic	: 3.95 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 4.51 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 5.10 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 5.00 hp / 3.73 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



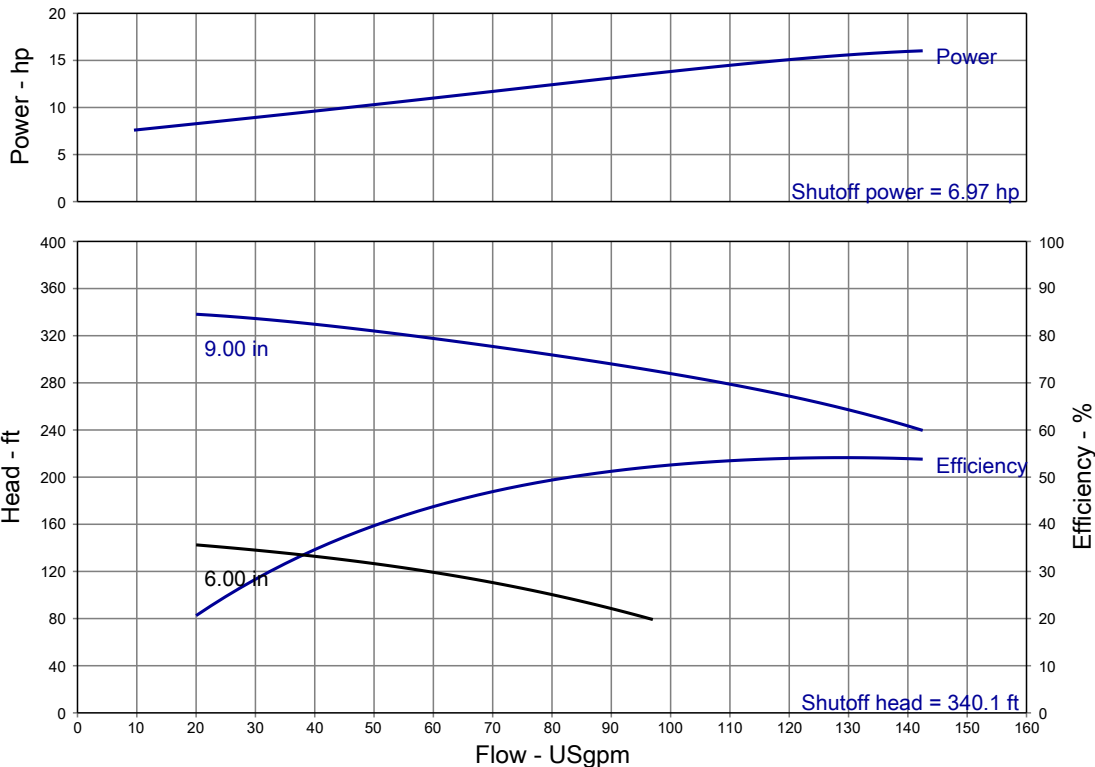


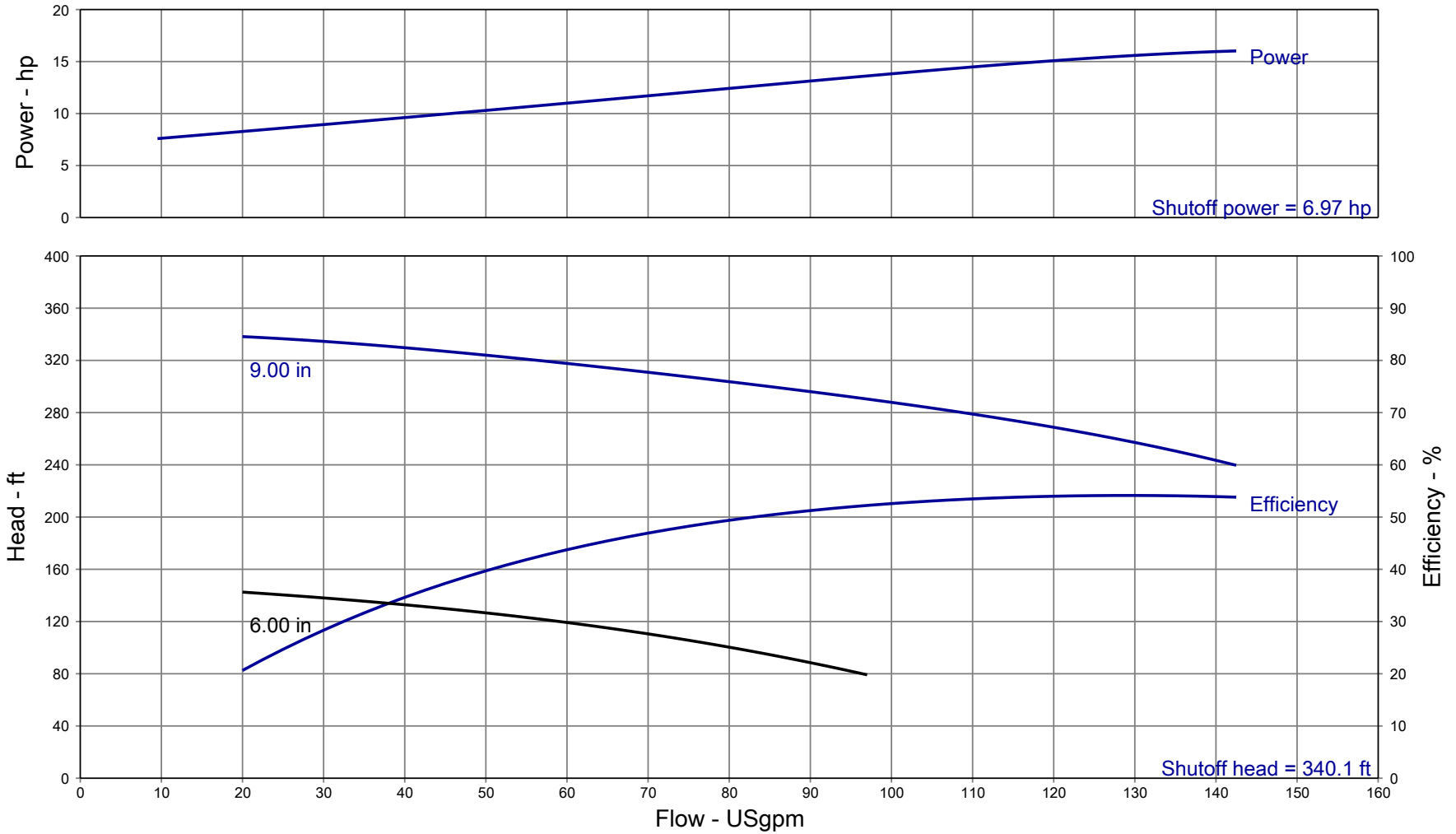
Item number	: 001	Size	: 4 x 4 x 7B BRONCE 4P	Flow, rated	: 447.1 USgpm
Service	:	Stages	: 1	Head, rated	: 34.99 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 5.54 ft
Quote number	: 25068	Based on curve number	: 4x4x7B 4P BRONCE	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:49 PM	Efficiency	: 87.63 %	Viscosity	: 1.00 cSt
		Power, rated	: 4.51 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.25x1.5x9A 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.25x1.5x9 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:55 PM

Operating Conditions		Liquid	
Flow, rated	: 129.1 USgpm	Liquid type	: Water
Head, rated (requested)	: 258.3 ft	Additional liquid description	:
Head, rated (actual)	: 258.3 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.00 in	Maximum working pressure	: 146.4 psi.g
Efficiency	: 54.14 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 37.79 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: - / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 618 / - US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 338.2 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 31.67 %	Service factor	: 1.00
Flow, best eff. point	: 129.1 USgpm	Power, hydraulic	: 8.42 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 15.55 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 16.02 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 20.00 hp / 14.91 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 1.25x1.5x9A 2P	Flow, rated	: 129.1 USgpm
Service	:	Stages	: 1	Head, rated	: 258.3 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: -
Quote number	: 25068	Based on curve number	: 1.25x1.5x9 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:55 PM	Efficiency	: 54.14 %	Viscosity	: 1.00 cSt
		Power, rated	: 15.55 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 1.25x1.5x9A 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.25x1.5x9 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:51 PM

Operating Conditions

Flow, rated	: 68.37 USgpm
Head, rated (requested)	: 83.97 ft
Head, rated (actual)	: 83.97 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1750 rpm
Impeller dia.	: 9.00 in
Impeller diameter, maximum	: 9.00 in
Impeller diameter, minimum	: 7.00 in
Efficiency	: 53.34 %
True Weighted Efficiency	: 31.12 %
NPSH required / margin required	: 0.00 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 522 / - US Units
MCSF	: -
Head max.	: 93.05 ft
Head rise to shutoff	: 10.75 %
Flow, best eff. point	: 68.37 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 20.00 deg C
Fluid density	: 0.998 / 0.998 kg/dm3
Viscosity	: 1.00 cSt
Vapor pressure, rated	: 0.34 psi.a

Material

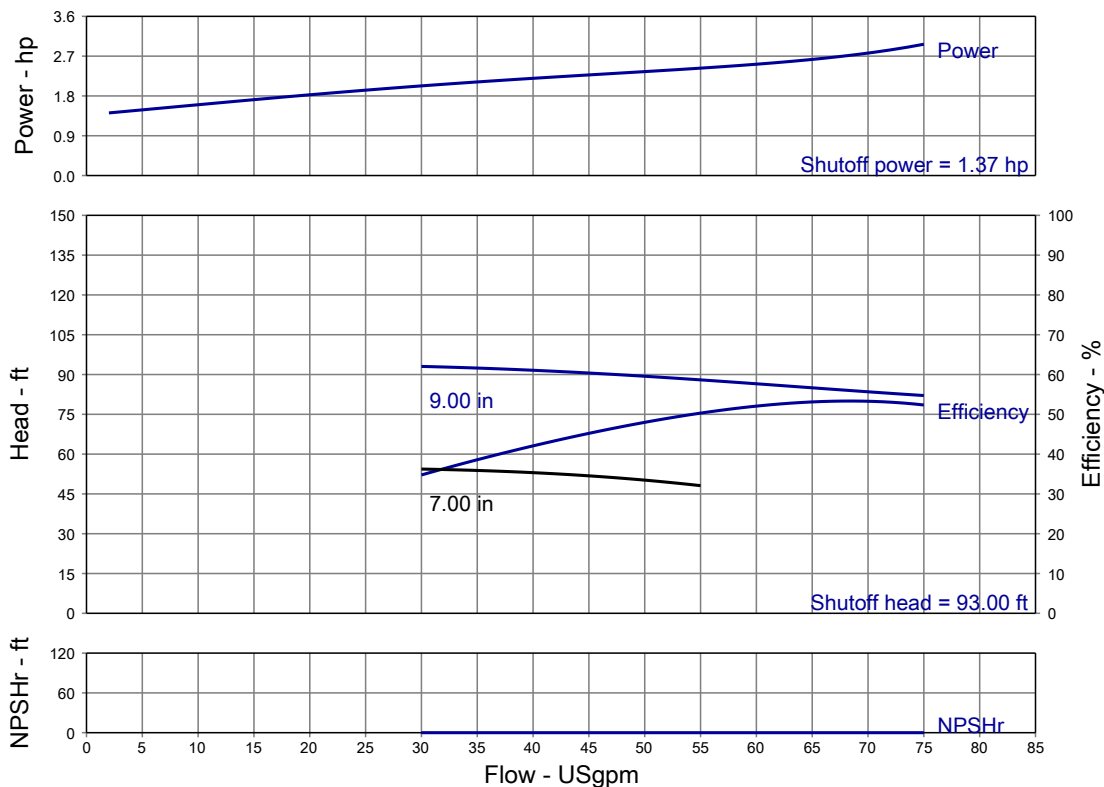
Material selected	: Standard
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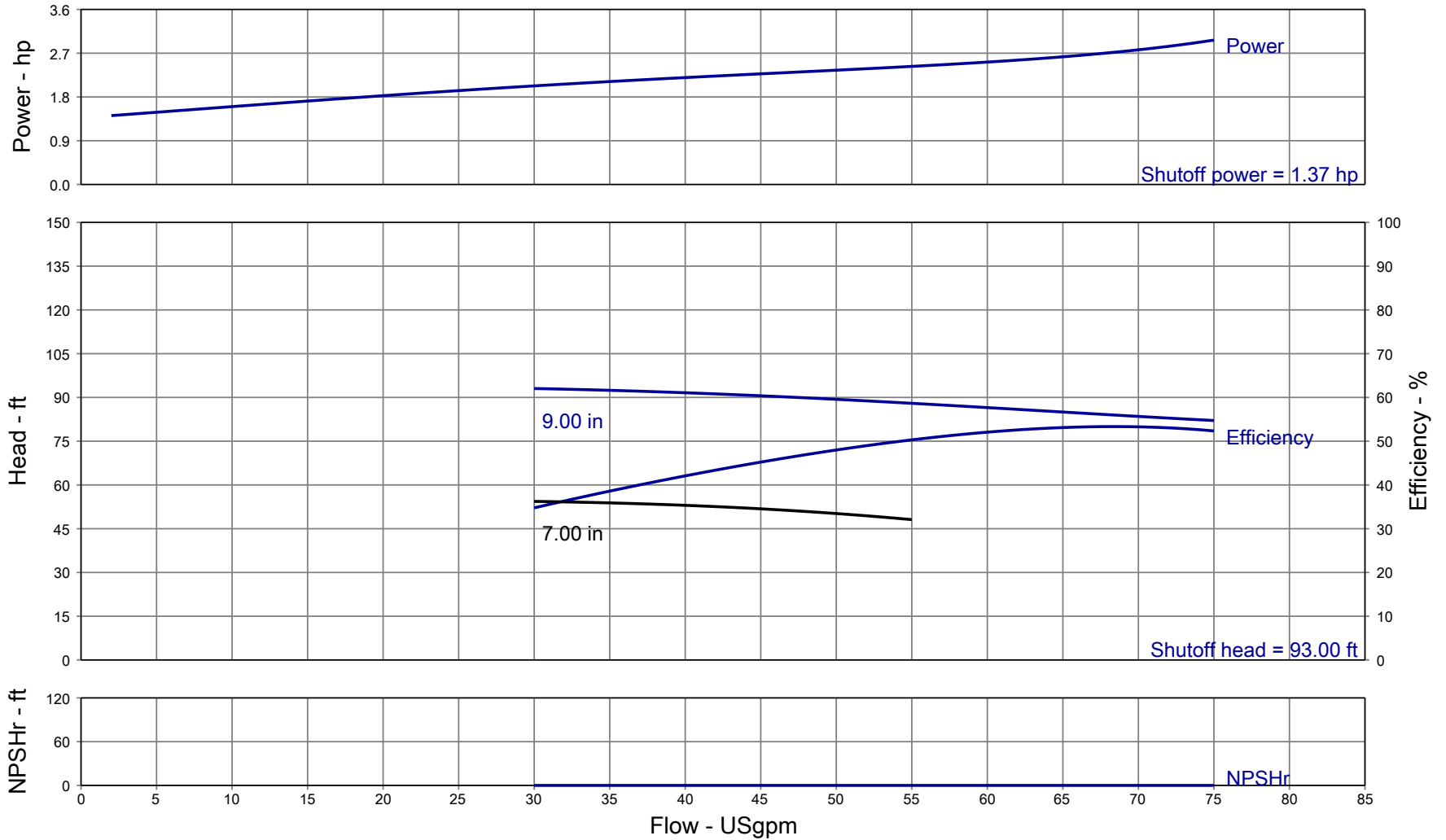
Pressure Data

Maximum working pressure	: 40.27 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 12.07 bar.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 1.45 hp
Power, rated	: 2.72 hp
Power, maximum	: 2.97 hp
Motor rating	: 3.00 hp / 2.24 kW



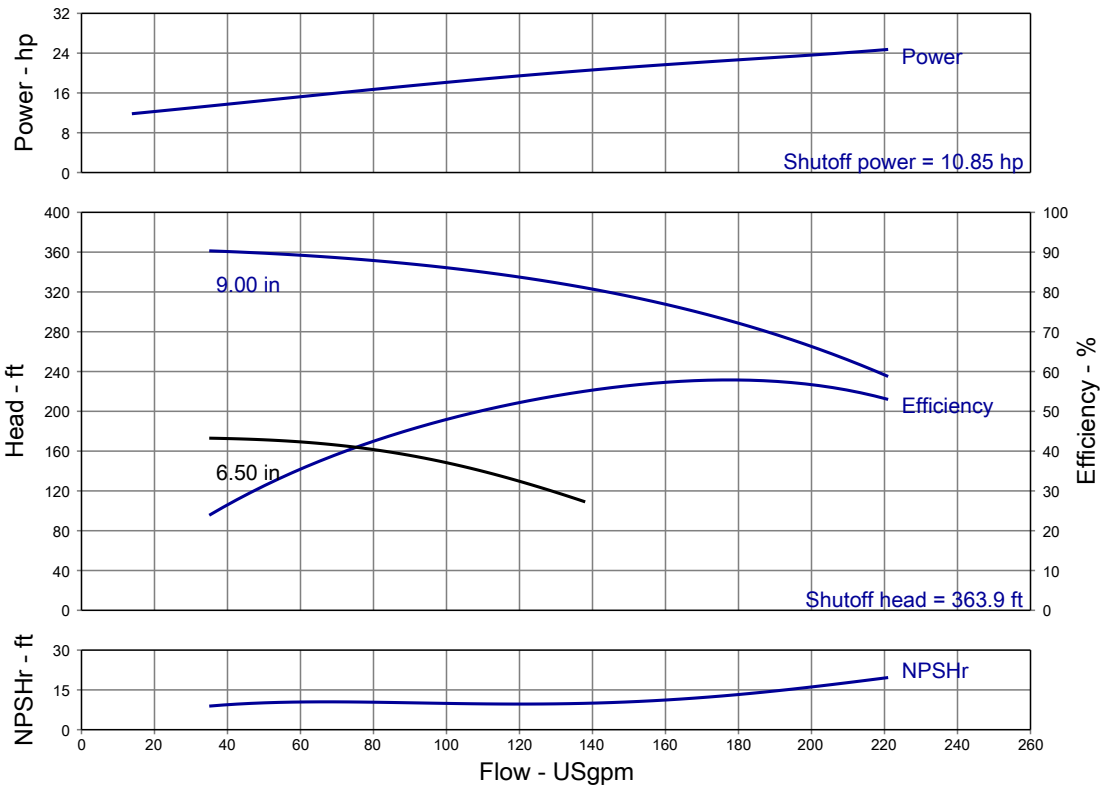


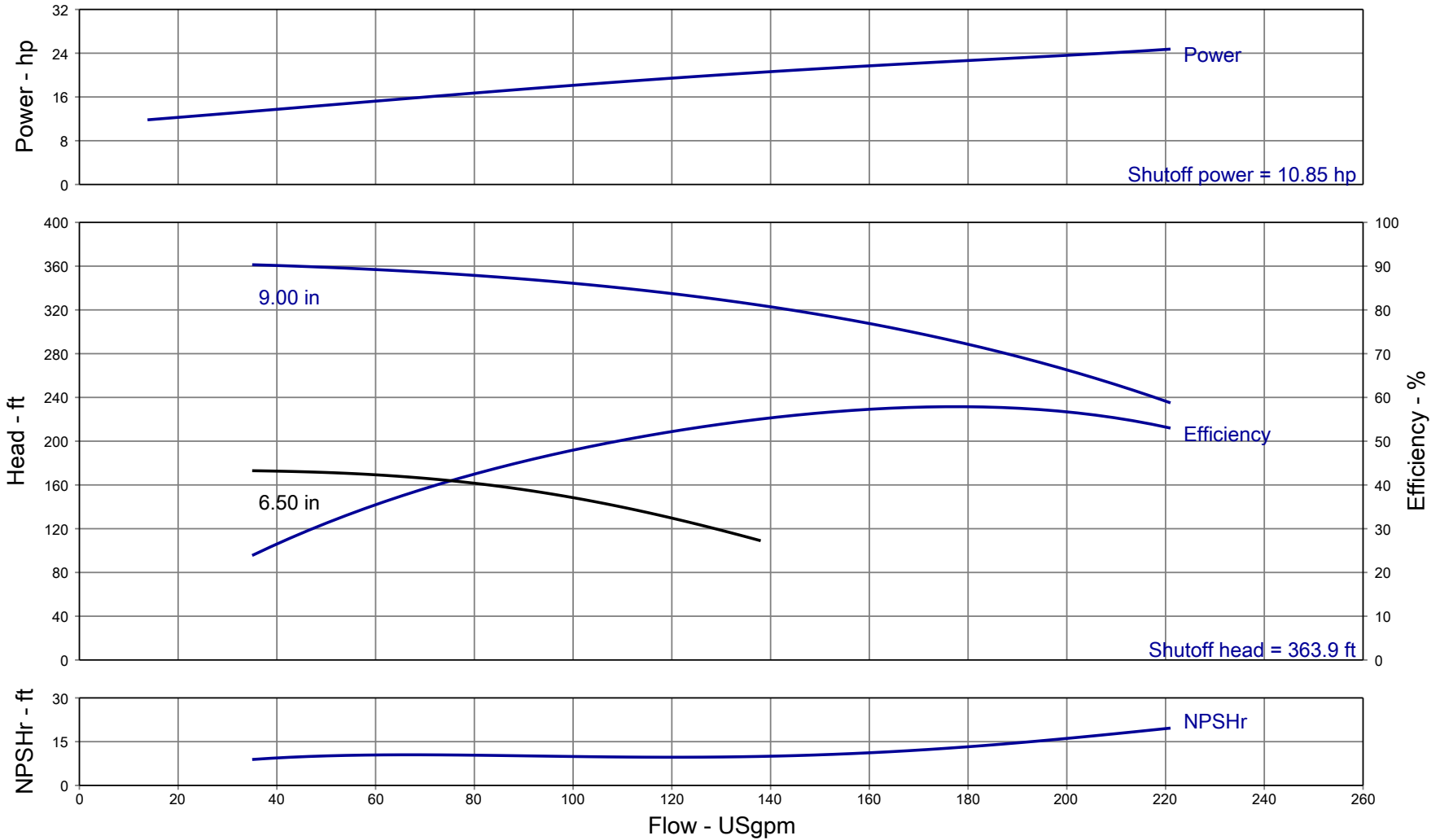
Item number	: 001	Size	: 1.25x1.5x9A 4P	Flow, rated	: 68.37 USgpm
Service	:	Stages	: 1	Head, rated	: 83.97 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 0.00 ft
Quote number	: 25068	Based on curve number	: 1.25x1.5x9 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:51 PM	Efficiency	: 53.34 %	Viscosity	: 1.00 cSt
		Power, rated	: 2.72 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.5x2x9C 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.5x2x9C 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:58 PM

Operating Conditions		Liquid	
Flow, rated	: 177.5 USgpm	Liquid type	: Water
Head, rated (requested)	: 291.2 ft	Additional liquid description	:
Head, rated (actual)	: 291.2 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 3500 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.50 in	Maximum working pressure	: 156.4 psi.g
Efficiency	: 57.89 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 37.35 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 12.95 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 661 / 6,833 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 361.3 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 24.95 %	Service factor	: 1.00
Flow, best eff. point	: 177.5 USgpm	Power, hydraulic	: 13.05 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 22.54 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 24.75 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 25.00 hp / 18.64 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



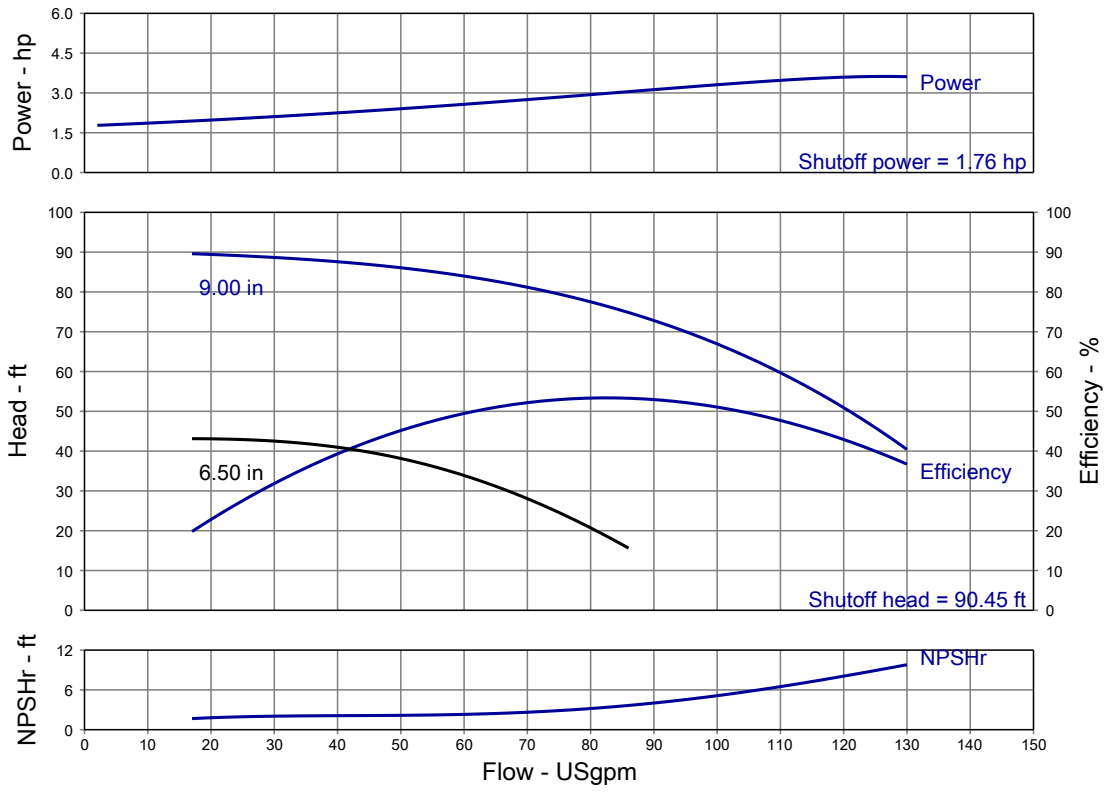


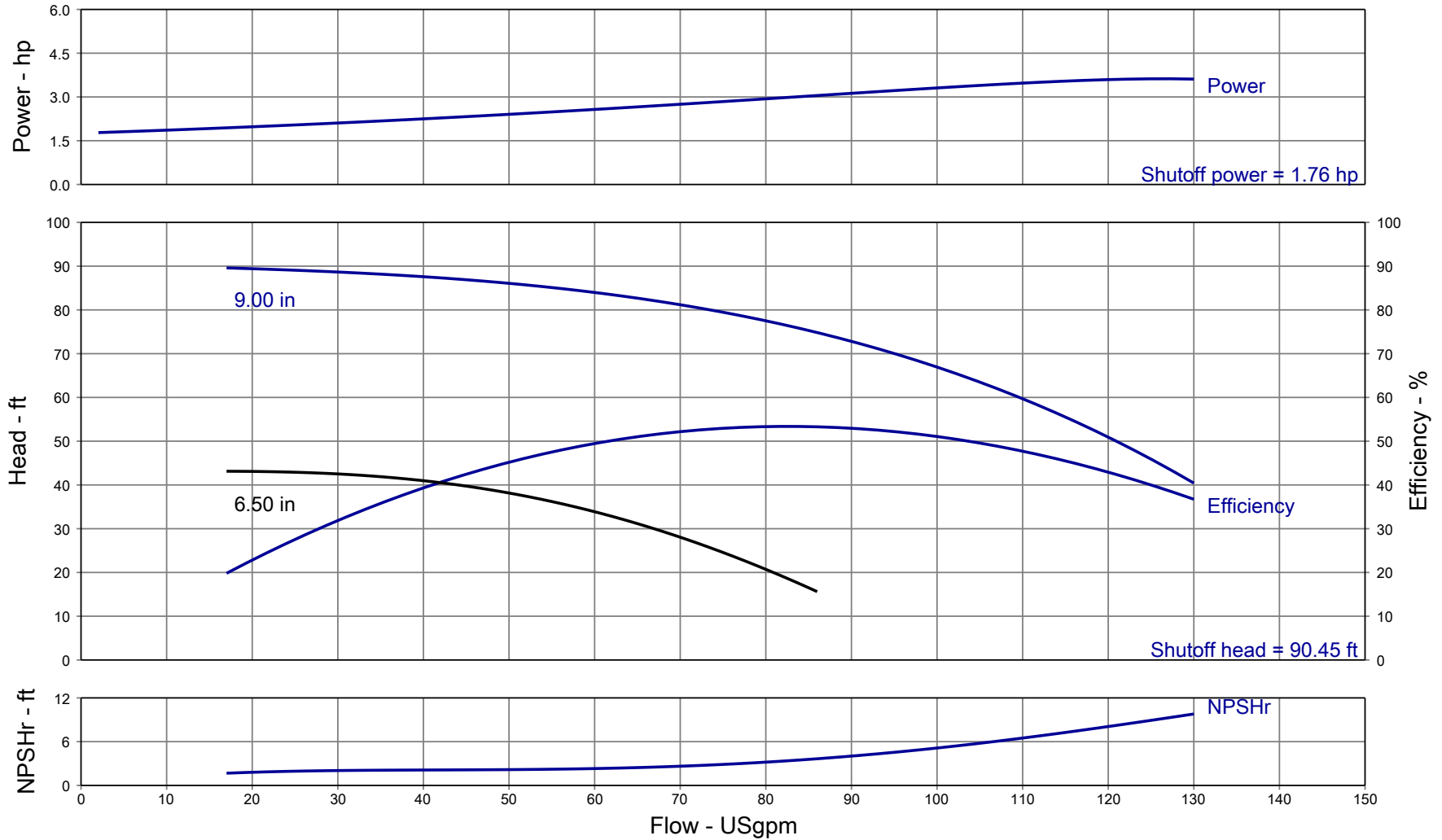
Item number	: 001	Size	: 1.5x2x9C 2P	Flow, rated	: 177.5 USgpm
Service	:	Stages	: 1	Head, rated	: 291.2 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 12.95 ft
Quote number	: 25068	Based on curve number	: 1.5x2x9C 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:58 PM	Efficiency	: 57.89 %	Viscosity	: 1.00 cSt
		Power, rated	: 22.54 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.5x2x9C 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.5x2x9C 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:57 PM

Operating Conditions		Liquid	
Flow, rated	: 82.51 USgpm	Liquid type	: Water
Head, rated (requested)	: 76.43 ft	Additional liquid description	:
Head, rated (actual)	: 76.43 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.50 in	Maximum working pressure	: 38.78 psi.g
Efficiency	: 53.38 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 31.95 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 3.37 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 615 / 6,382 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 89.60 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 18.34 %	Service factor	: 1.00
Flow, best eff. point	: 82.51 USgpm	Power, hydraulic	: 1.59 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 2.98 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 3.62 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 3.00 hp / 2.24 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 1.5x2x9C 4P	Flow, rated	: 82.51 USgpm
Service	:	Stages	: 1	Head, rated	: 76.43 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 3.37 ft
Quote number	: 25068	Based on curve number	: 1.5x2x9C 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:57 PM	Efficiency	: 53.38 %	Viscosity	: 1.00 cSt
		Power, rated	: 2.98 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 2x2.5x9 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x9 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 7:00 PM

Operating Conditions

Flow, rated	: 290.3 USgpm
Head, rated (requested)	: 357.0 ft
Head, rated (actual)	: 357.0 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 3500 rpm
Impeller dia.	: 9.00 in
Impeller diameter, maximum	: 9.00 in
Impeller diameter, minimum	: 6.25 in
Efficiency	: 70.84 %
True Weighted Efficiency	: 43.72 %
NPSH required / margin required	: 12.23 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 726 / 9,123 US Units
MCSF	: -
Head max.	: 370.6 ft
Head rise to shutoff	: 3.60 %
Flow, best eff. point	: 290.3 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 20.00 deg C
Fluid density	: 0.998 / 0.998 kg/dm3
Viscosity	: 1.00 cSt
Vapor pressure, rated	: 0.34 psi.a

Material

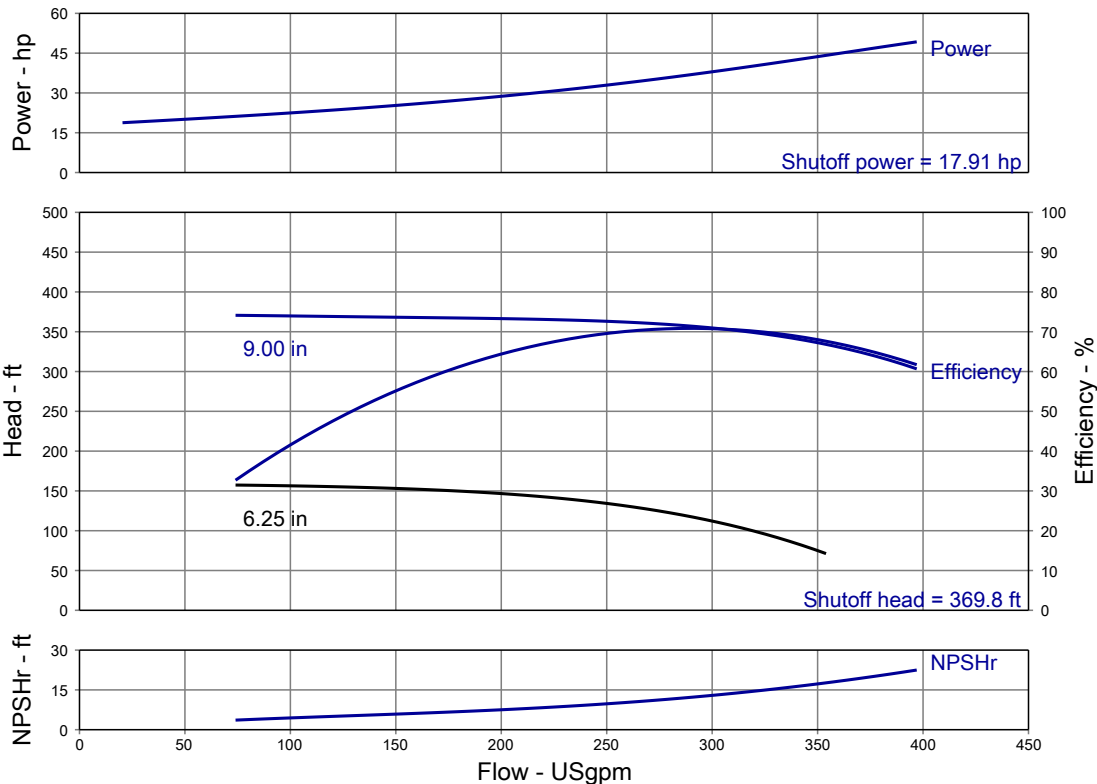
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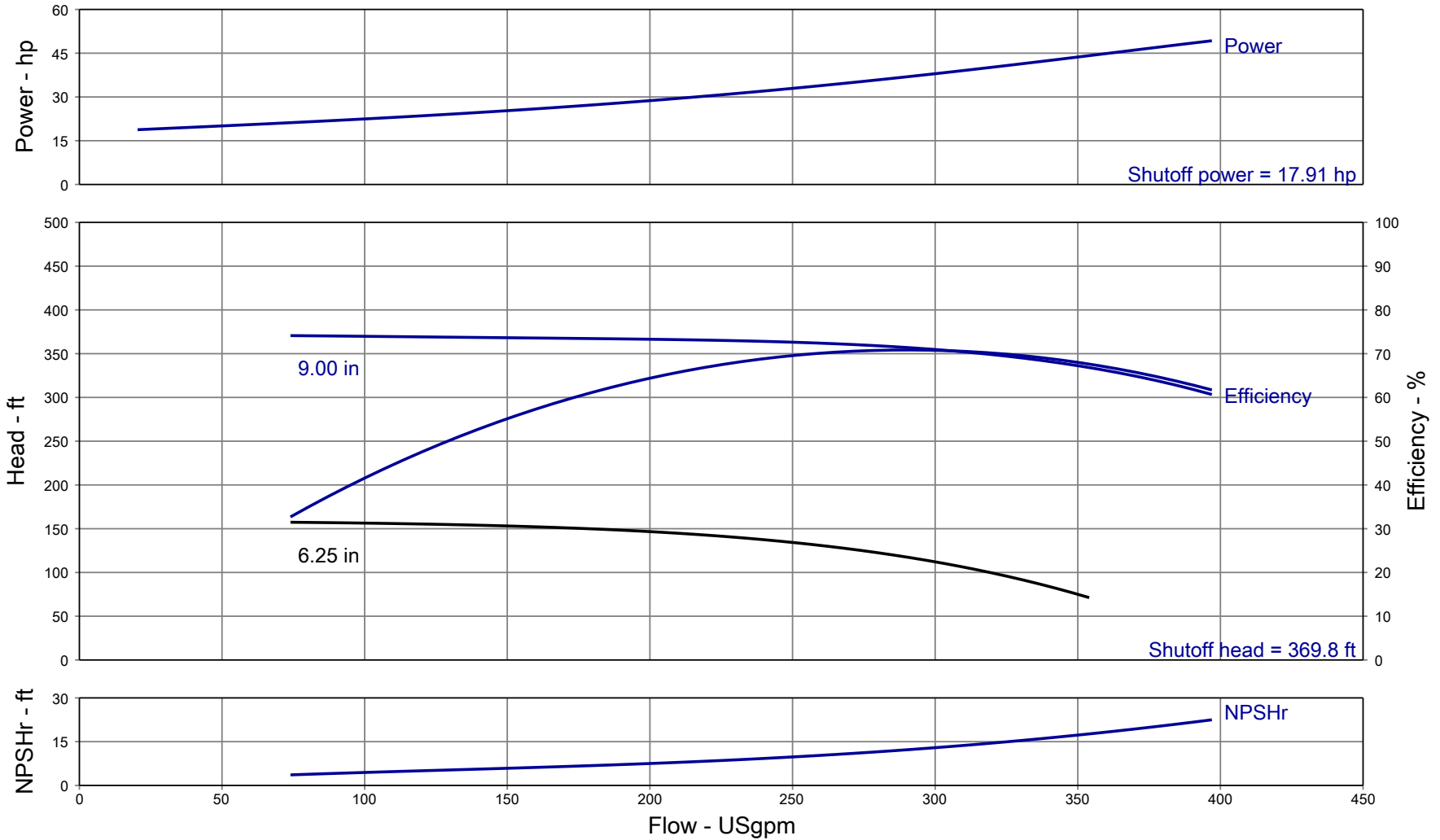
Pressure Data

Maximum working pressure	: 160.4 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 12.07 bar.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 26.16 hp
Power, rated	: 36.93 hp
Power, maximum	: 49.26 hp
Motor rating	: 40.00 hp / 29.83 kW



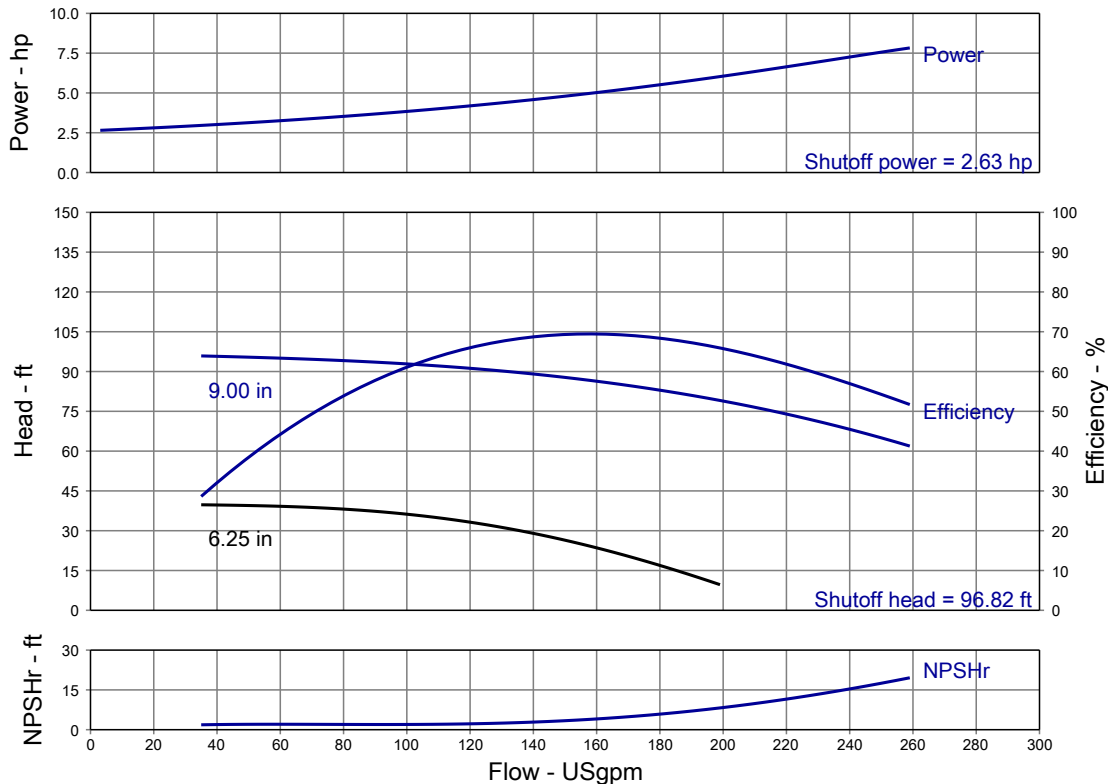


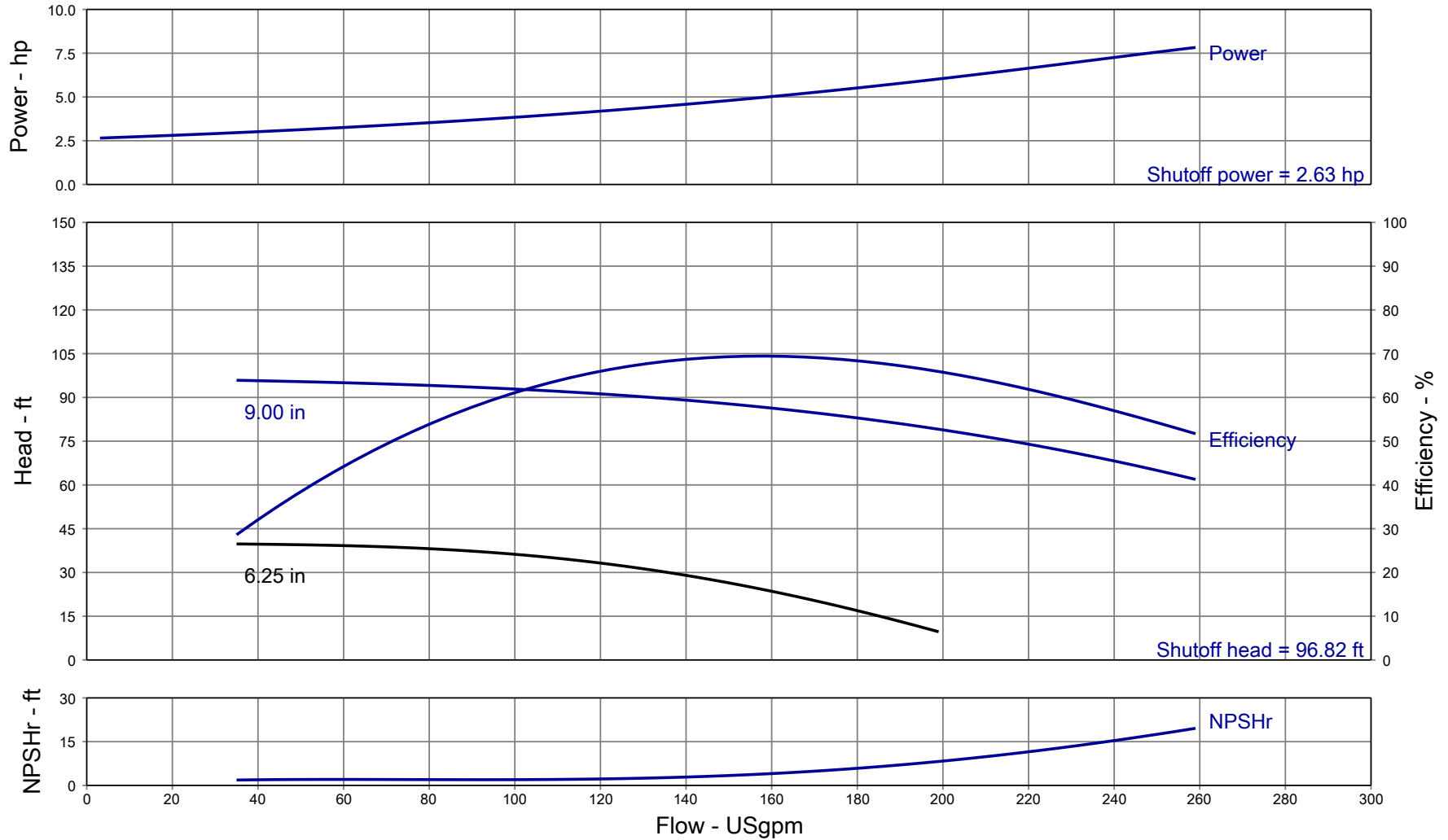
Item number	: 001	Size	: 2x2.5x9 2P	Flow, rated	: 290.3 USgpm
Service	:	Stages	: 1	Head, rated	: 357.0 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 12.23 ft
Quote number	: 25068	Based on curve number	: 2x2.5x9 2P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 7:00 PM	Efficiency	: 70.84 %	Viscosity	: 1.00 cSt
		Power, rated	: 36.93 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2x2.5x9 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x9 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 6:59 PM

Operating Conditions		Liquid	
Flow, rated	: 157.7 USgpm	Liquid type	: Water
Head, rated (requested)	: 86.68 ft	Additional liquid description	:
Head, rated (actual)	: 86.68 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.25 in	Maximum working pressure	: 41.50 psi.g
Efficiency	: 69.45 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 42.89 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 3.89 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 774 / 7,937 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 95.88 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 11.69 %	Service factor	: 1.00
Flow, best eff. point	: 157.7 USgpm	Power, hydraulic	: 3.45 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 4.97 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 7.83 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 5.00 hp / 3.73 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



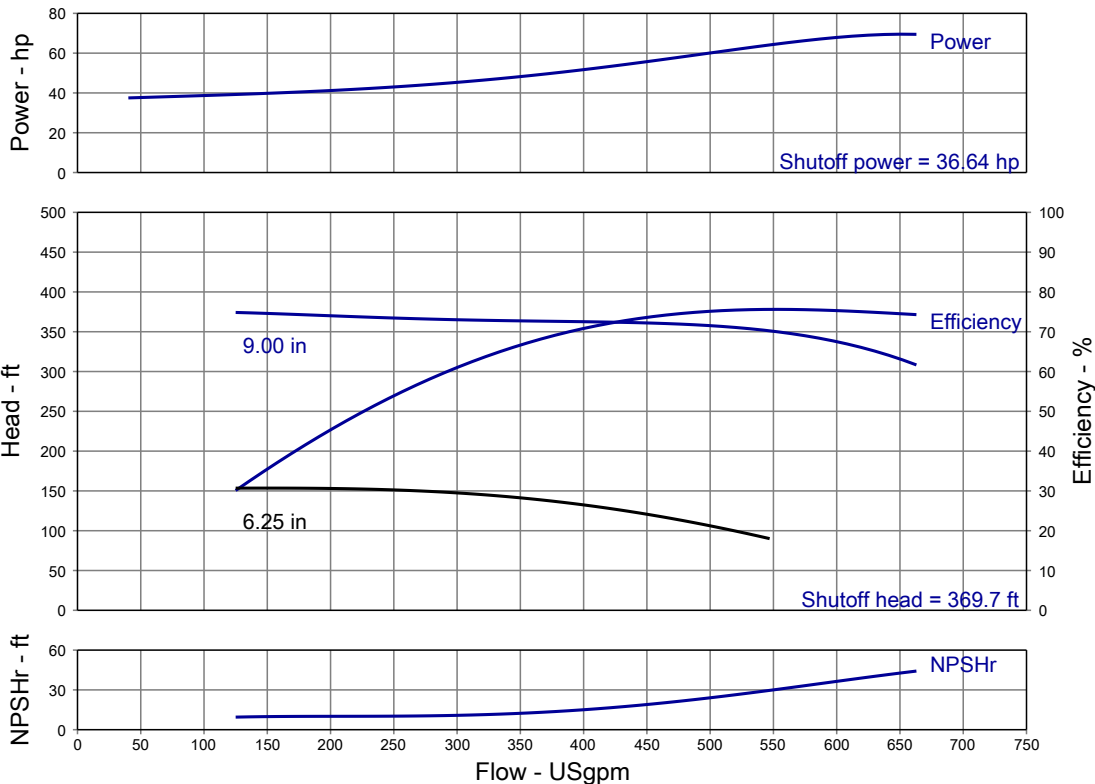


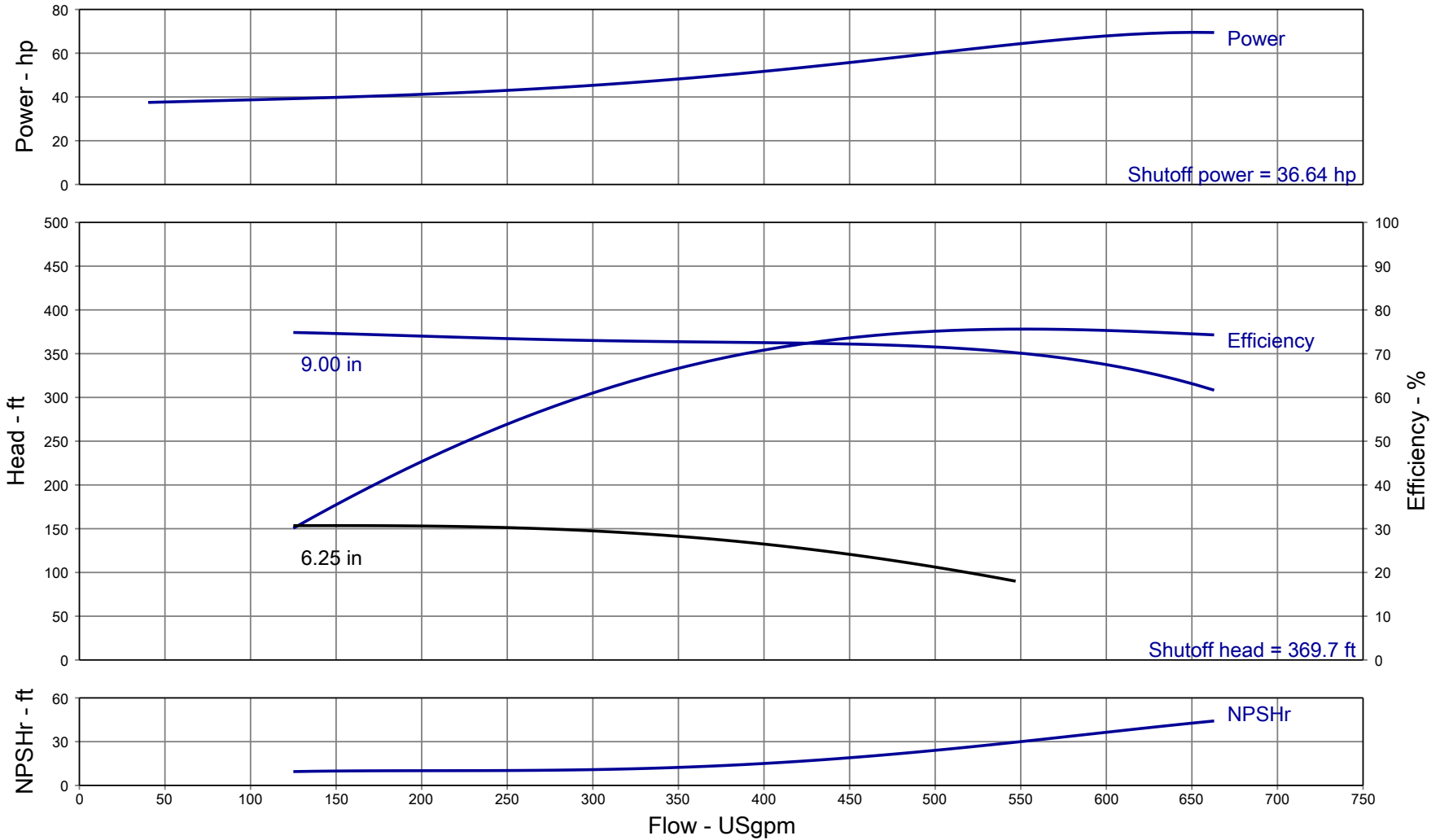
Item number	: 001	Size	: 2x2.5x9 4P	Flow, rated	: 157.7 USgpm
Service	:	Stages	: 1	Head, rated	: 86.68 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 3.89 ft
Quote number	: 25068	Based on curve number	: 2x2.5x9 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 6:59 PM	Efficiency	: 69.45 %	Viscosity	: 1.00 cSt
		Power, rated	: 4.97 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2.5x3x9 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2.5x3x9 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:14 PM

Operating Conditions		Liquid	
Flow, rated	: 552.3 USgpm	Liquid type	: Water
Head, rated (requested)	: 350.1 ft	Additional liquid description	:
Head, rated (actual)	: 350.1 ft	Solids diameter, max	: 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.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.25 in	Maximum working pressure	: 162.0 psi.g
Efficiency	: 75.62 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 45.48 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 30.30 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,016 / 6,375 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 374.2 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 5.61 %	Service factor	: 1.00
Flow, best eff. point	: 552.3 USgpm	Power, hydraulic	: 48.82 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 64.56 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 69.53 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 75.00 hp / 55.93 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



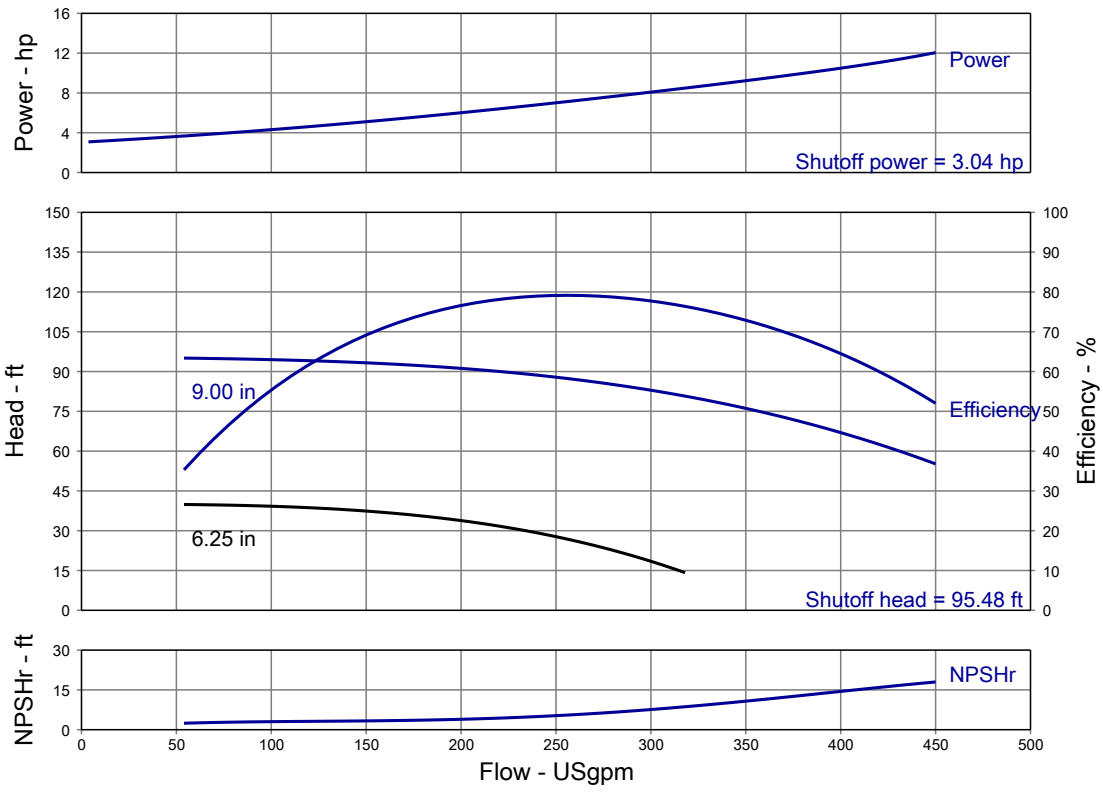


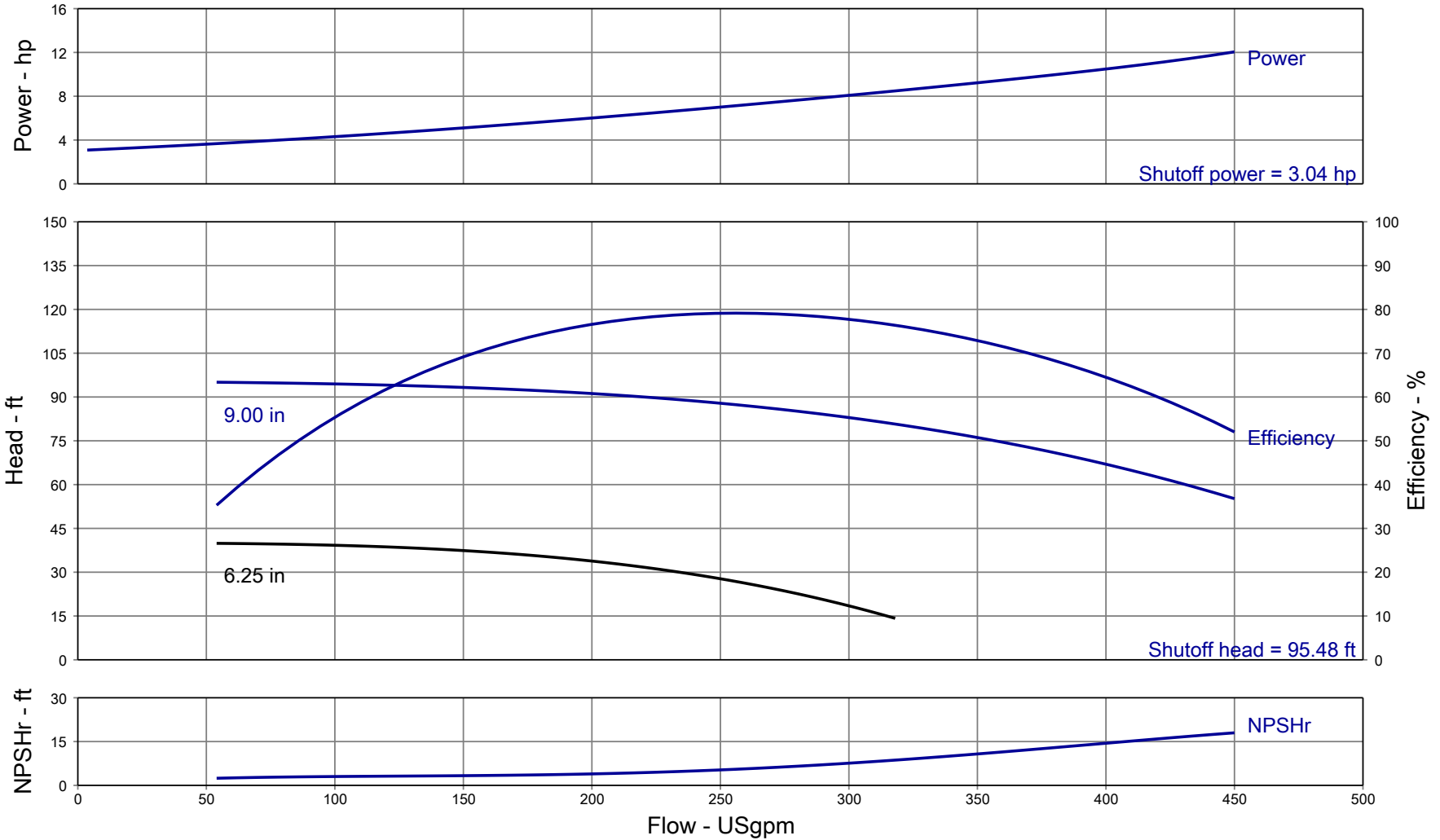
Item number	: 001	Size	: 2.5x3x9 2P	Flow, rated	: 552.3 USgpm
Service	:	Stages	: 1	Head, rated	: 350.1 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 30.30 ft
Quote number	: 25068	Based on curve number	: 2.5x3x9 2P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:14 PM	Efficiency	: 75.62 %	Viscosity	: 1.00 cP
		Power, rated	: 64.56 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2.5x3x9 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2.5x3x9 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 7:02 PM

Operating Conditions		Liquid	
Flow, rated	: 255.9 USgpm	Liquid type	: Water
Head, rated (requested)	: 87.37 ft	Additional liquid description	:
Head, rated (actual)	: 87.37 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 bar.g	Solids concentration, by volume	: 0.00 %
NPSH available	: Ample	Temperature	: 20.00 deg C
Site Supply Frequency	: 60 Hz	Fluid density	: 0.998 / 0.998 kg/dm3
Performance		Viscosity	: 1.00 cSt
Speed criteria	: Synchronous	Vapor pressure, rated	: 0.34 psi.a
Speed	: 1750 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.25 in	Maximum working pressure	: 41.14 psi.g
Efficiency	: 79.15 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 52.91 %	Maximum allowable suction pressure	: 12.07 bar.g
NPSH required / margin required	: 5.51 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 979 / 7,784 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 95.06 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 9.28 %	Service factor	: 1.00
Flow, best eff. point	: 255.9 USgpm	Power, hydraulic	: 5.64 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 7.13 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 12.05 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 7.50 hp / 5.59 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



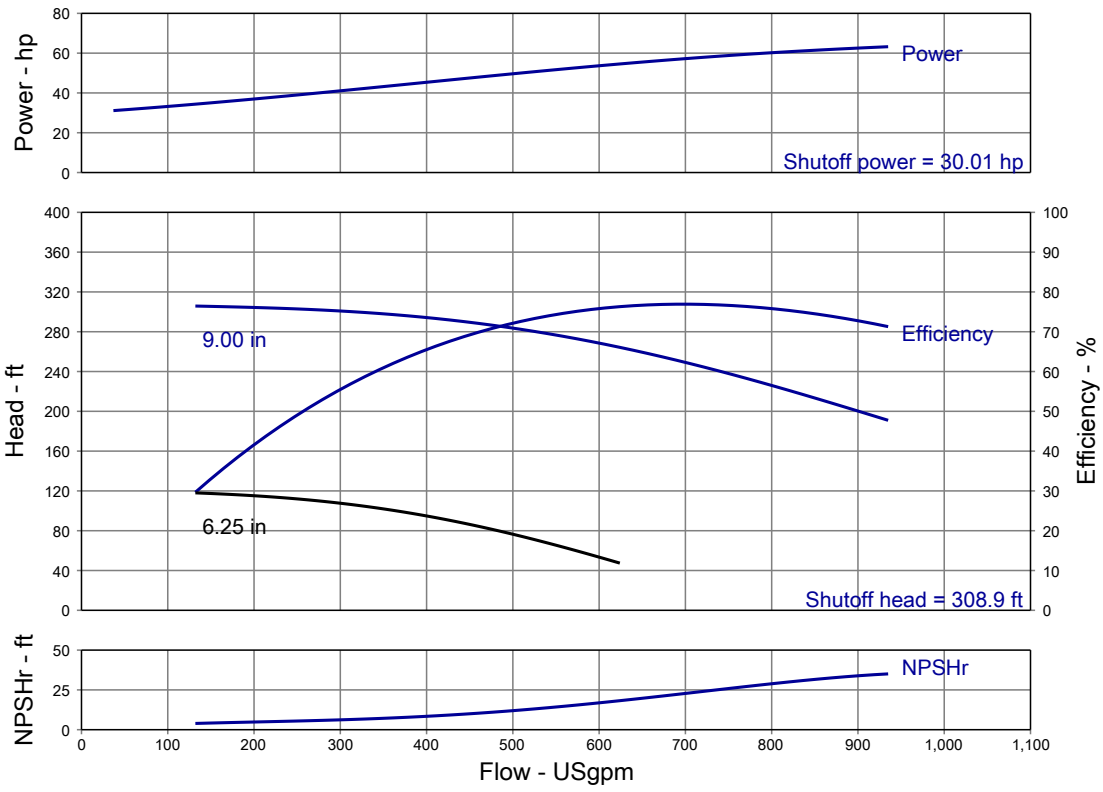


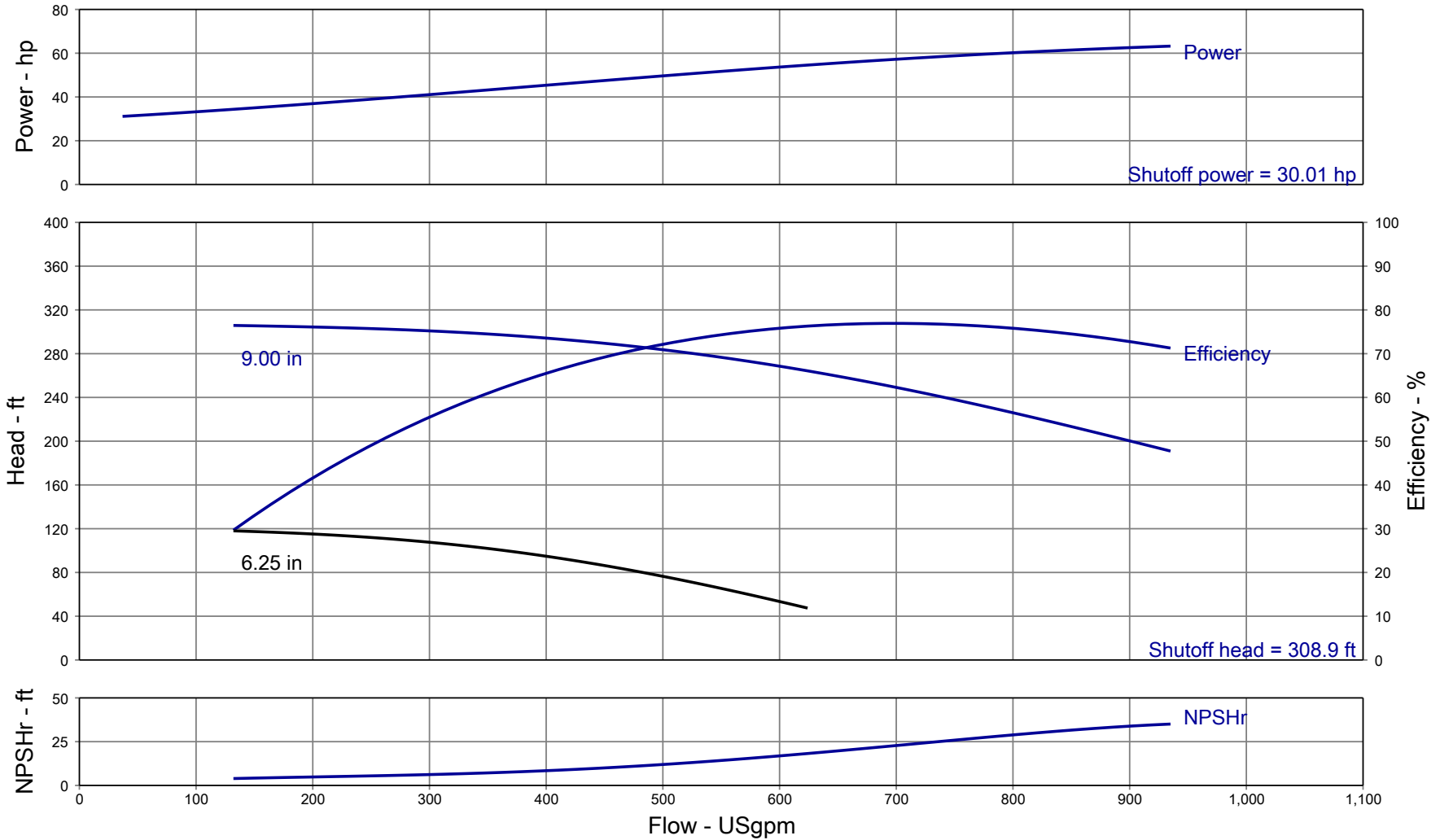
Item number	: 001	Size	: 2.5x3x9 4P	Flow, rated	: 255.9 USgpm
Service	:	Stages	: 1	Head, rated	: 87.37 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 5.51 ft
Quote number	: 25068	Based on curve number	: 2.5x3x9 4P	Fluid density	: 0.998 / 0.998 kg/dm3
Date last saved	: 27 Oct 2022 7:02 PM	Efficiency	: 79.15 %	Viscosity	: 1.00 cSt
		Power, rated	: 7.13 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 3 x 4 x 9A 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x9A 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:21 PM

Operating Conditions		Liquid	
Flow, rated	: 697.5 USgpm	Liquid type	: Water
Head, rated (requested)	: 249.7 ft	Additional liquid description	:
Head, rated (actual)	: 249.7 ft	Solids diameter, max	: 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.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.25 in	Maximum working pressure	: 132.4 psi.g
Efficiency	: 76.93 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 49.44 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 22.63 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,473 / 8,902 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 305.8 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 23.72 %	Service factor	: 1.00
Flow, best eff. point	: 697.5 USgpm	Power, hydraulic	: 43.97 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 57.16 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 63.24 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 60.00 hp / 44.74 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



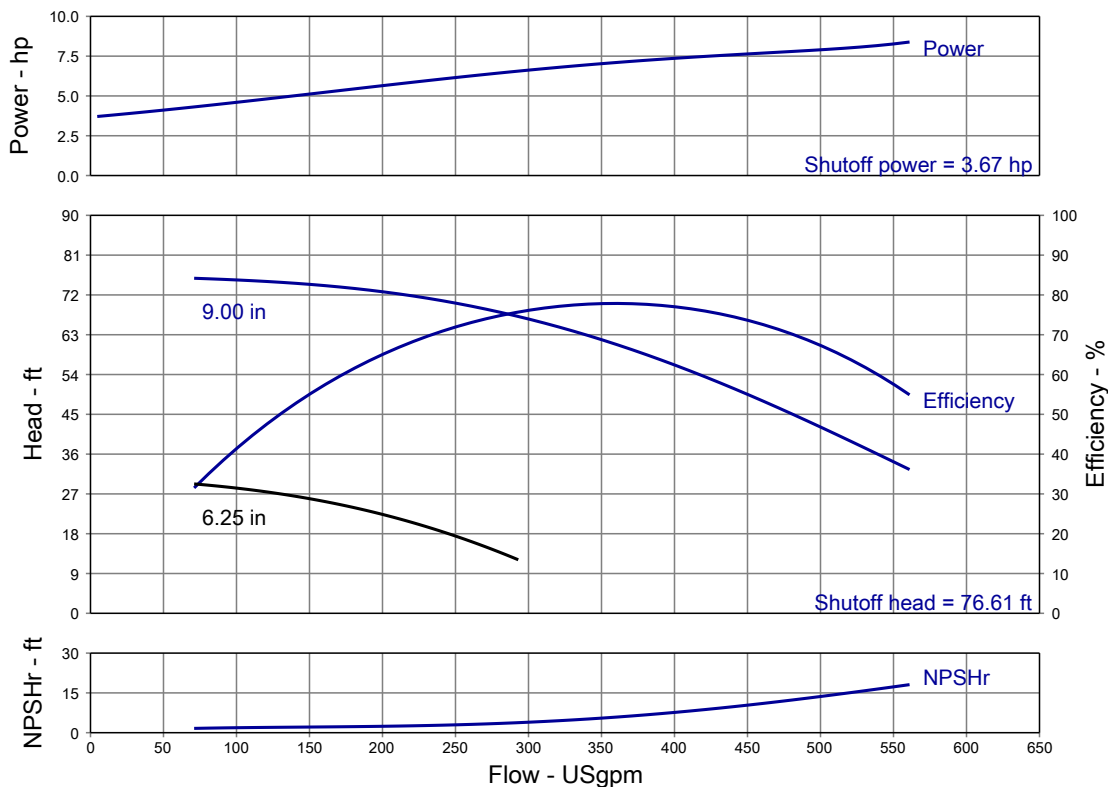


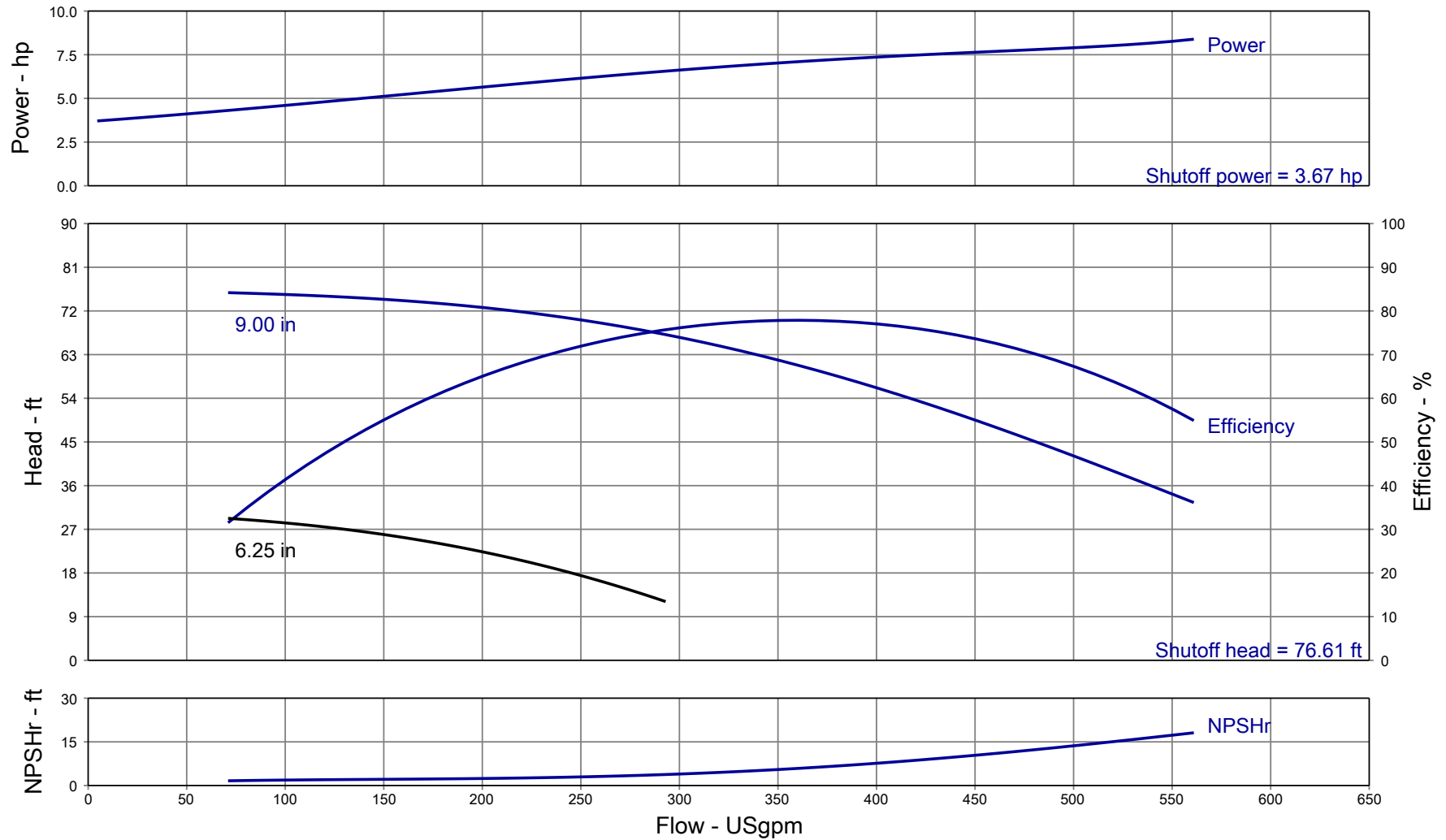
Item number	: 001	Size	: 3 x 4 x 9A 2P	Flow, rated	: 697.5 USgpm
Service	:	Stages	: 1	Head, rated	: 249.7 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 22.63 ft
Quote number	: 25068	Based on curve number	: 3x4x9A 2P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:21 PM	Efficiency	: 76.93 %	Viscosity	: 1.00 cP
		Power, rated	: 57.16 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 3 x 4 x 9A 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x9A 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:20 PM

Operating Conditions		Liquid	
Flow, rated	: 359.4 USgpm	Liquid type	: Water
Head, rated (requested)	: 60.89 ft	Additional liquid description	:
Head, rated (actual)	: 60.89 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.25 in	Maximum working pressure	: 32.79 psi.g
Efficiency	: 77.86 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 50.16 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 5.85 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,522 / 8,820 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 75.77 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 25.82 %	Service factor	: 1.00
Flow, best eff. point	: 359.4 USgpm	Power, hydraulic	: 5.52 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 7.10 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 8.39 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 7.50 hp / 5.59 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



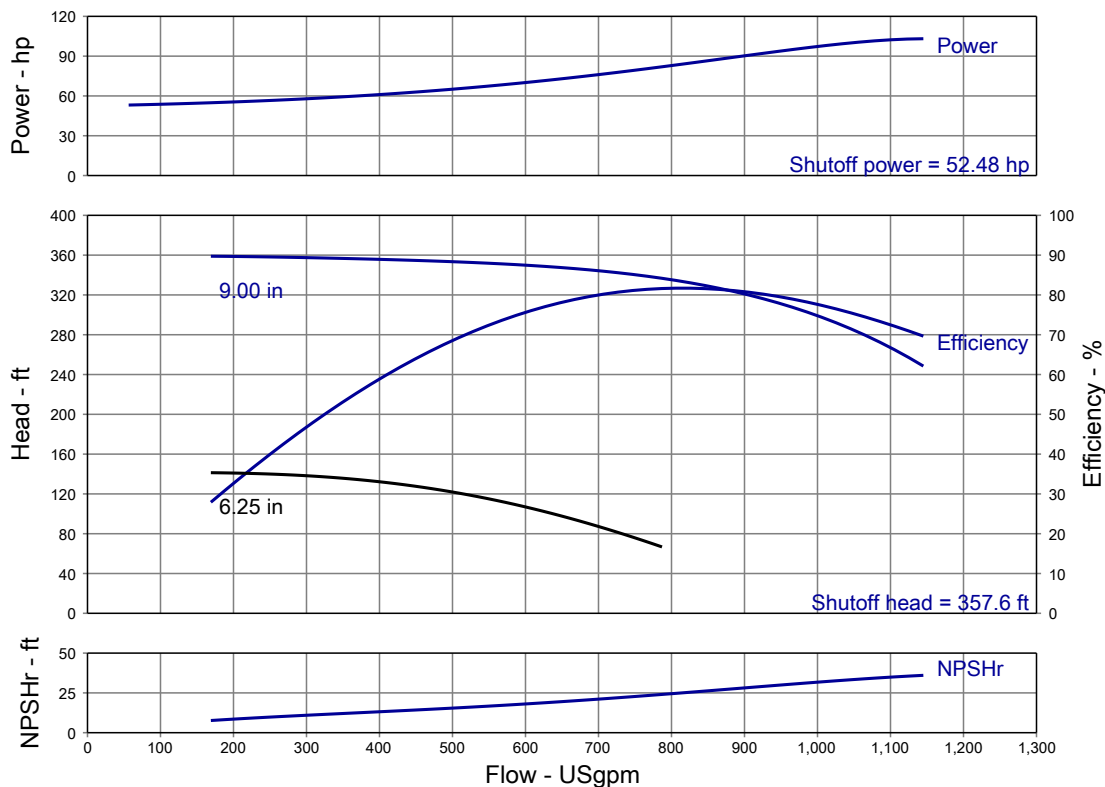


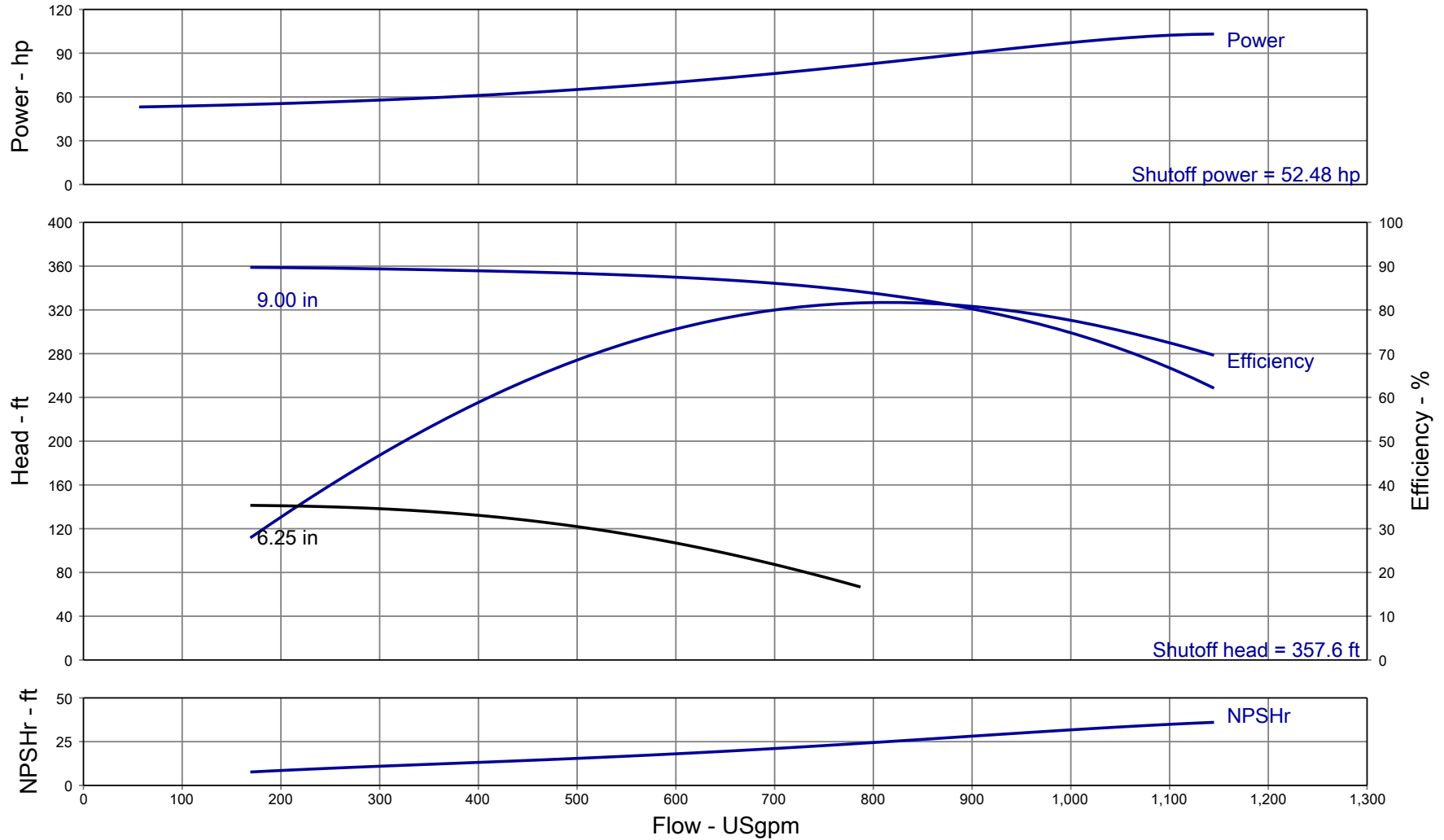
Item number	: 001	Size	: 3 x 4 x 9A 4P	Flow, rated	: 359.4 USgpm
Service	:	Stages	: 1	Head, rated	: 60.89 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 5.85 ft
Quote number	: 25068	Based on curve number	: 3x4x9A 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:20 PM	Efficiency	: 77.86 %	Viscosity	: 1.00 cP
		Power, rated	: 7.10 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 3 x 4 x 9B 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x9B 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:23 PM

Operating Conditions		Liquid	
Flow, rated	: 814.8 USgpm	Liquid type	: Water
Head, rated (requested)	: 333.5 ft	Additional liquid description	:
Head, rated (actual)	: 333.5 ft	Solids diameter, max	: 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.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.25 in	Maximum working pressure	: 155.3 psi.g
Efficiency	: 81.71 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 46.59 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 25.03 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,281 / 8,926 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 358.9 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 7.20 %	Service factor	: 1.00
Flow, best eff. point	: 814.8 USgpm	Power, hydraulic	: 68.61 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 83.97 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 103 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 100 hp / 74.57 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 3 x 4 x 9B 2P	Flow, rated	: 814.8 USgpm
Service	:	Stages	: 1	Head, rated	: 333.5 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 25.03 ft
Quote number	: 25068	Based on curve number	: 3x4x9B 2P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:23 PM	Efficiency	: 81.71 %	Viscosity	: 1.00 cP
		Power, rated	: 83.97 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 3 x 4 x 9B 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x9B 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:22 PM

Operating Conditions

Flow, rated	: 443.7 USgpm
Head, rated (requested)	: 81.21 ft
Head, rated (actual)	: 81.21 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1750 rpm
Impeller dia.	: 9.00 in
Impeller diameter, maximum	: 9.00 in
Impeller diameter, minimum	: 6.25 in
Efficiency	: 82.64 %
True Weighted Efficiency	: 50.17 %
NPSH required / margin required	: 6.46 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,363 / 9,094 US Units
MCSF	: -
Head max.	: 88.86 ft
Head rise to shutoff	: 9.55 %
Flow, best eff. point	: 443.7 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 68.00 deg F
Fluid density	: 1.000 / 1.000 SG
Viscosity	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

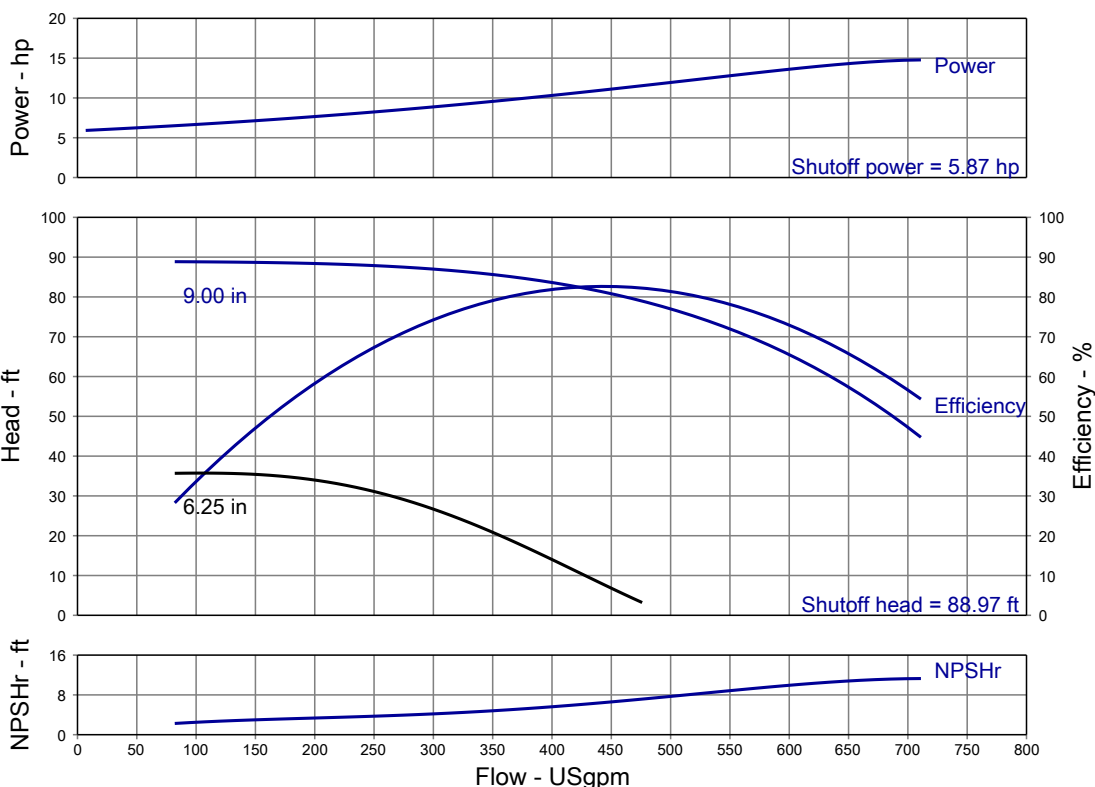
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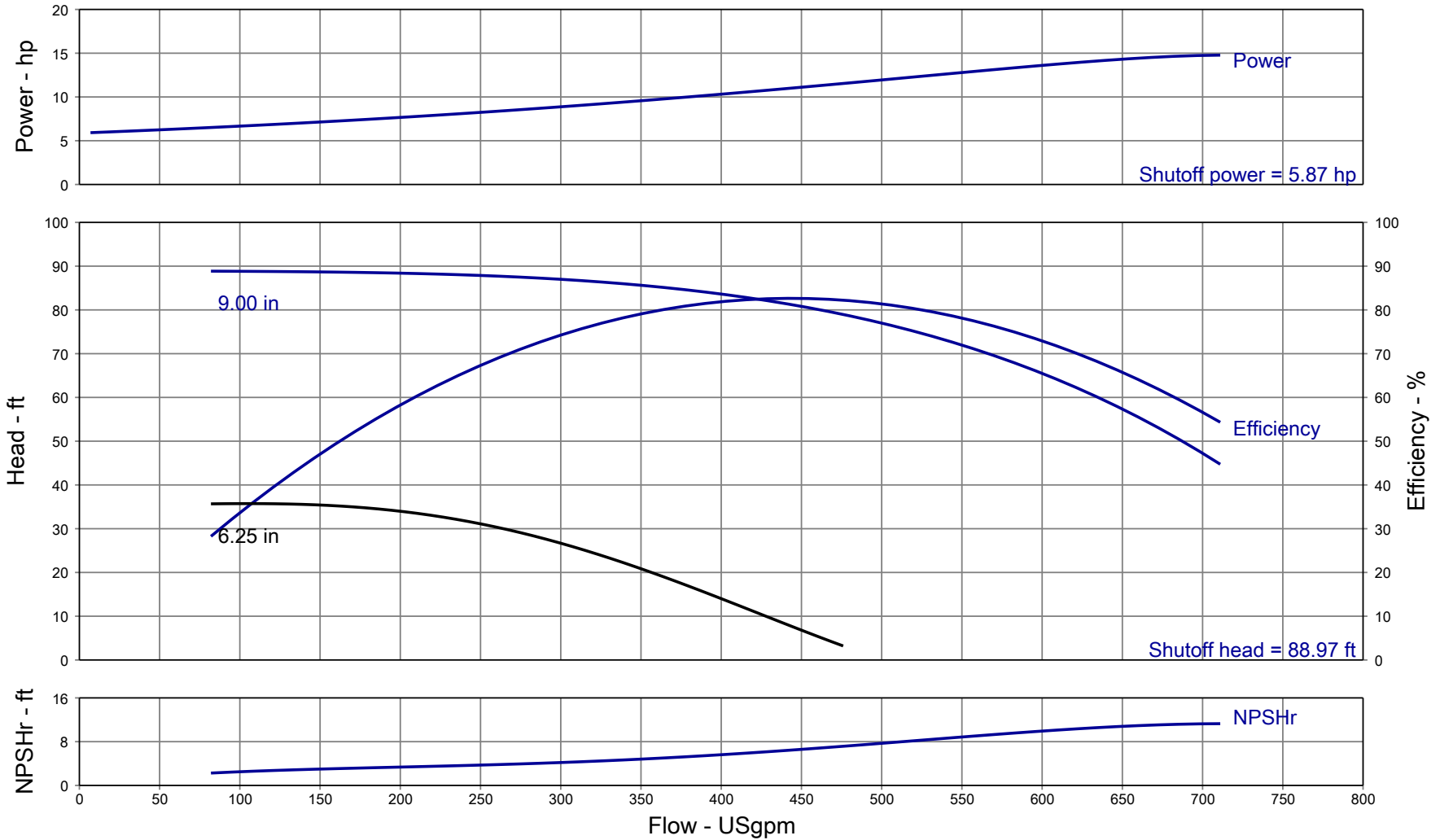
Pressure Data

Maximum working pressure	: 38.46 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 175.0 psi.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 9.10 hp
Power, rated	: 11.01 hp
Power, maximum	: 14.78 hp
Motor rating	: 15.00 hp / 11.19 kW



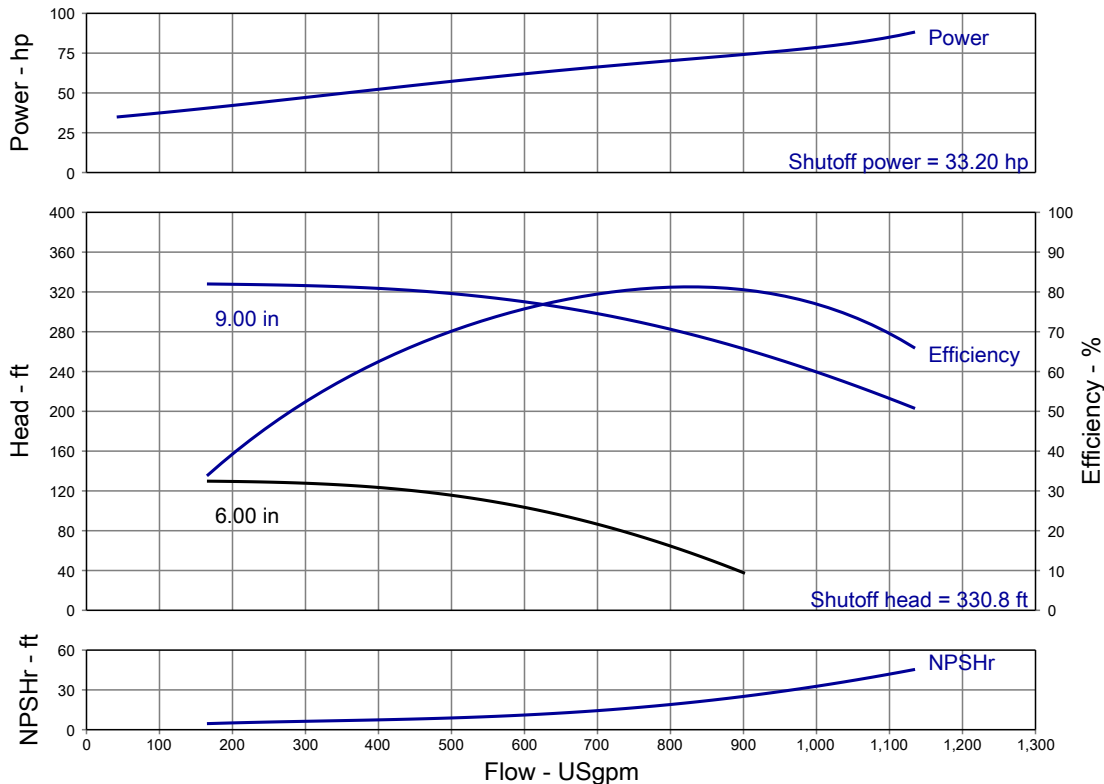


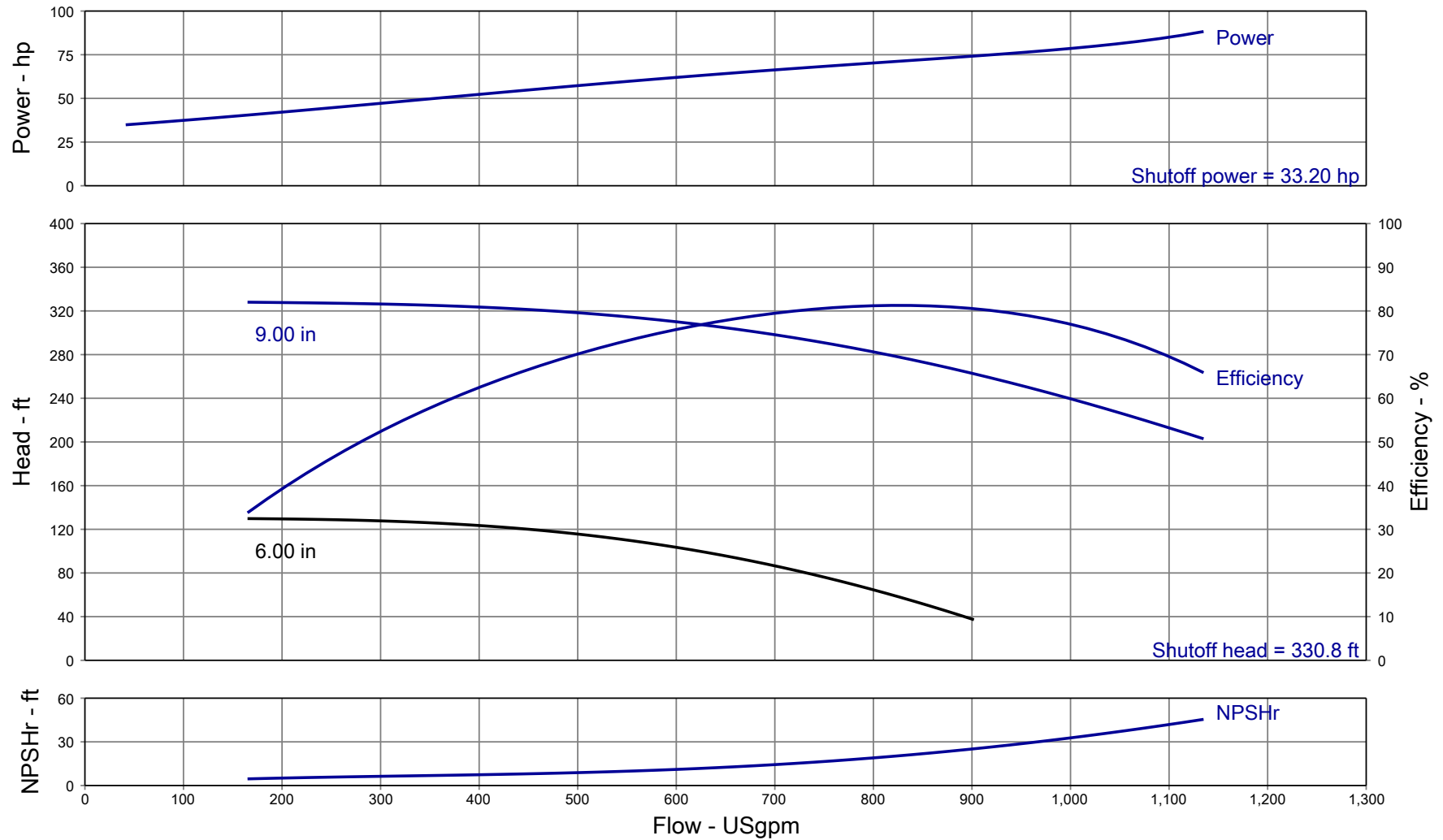
Item number	: 001	Size	: 3 x 4 x 9B 4P	Flow, rated	: 443.7 USgpm
Service	:	Stages	: 1	Head, rated	: 81.21 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 6.46 ft
Quote number	: 25068	Based on curve number	: 3x4x9B 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:22 PM	Efficiency	: 82.64 %	Viscosity	: 1.00 cP
		Power, rated	: 11.01 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 4 x 5 x 9A 2P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x5x9A 2P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:25 PM

Operating Conditions		Liquid	
Flow, rated	: 825.9 USgpm	Liquid type	: Water
Head, rated (requested)	: 277.8 ft	Additional liquid description	:
Head, rated (actual)	: 277.8 ft	Solids diameter, max	: 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.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.00 in	Maximum working pressure	: 142.0 psi.g
Efficiency	: 81.27 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 52.74 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 20.42 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,479 / 10,464 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 328.0 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 19.07 %	Service factor	: 1.00
Flow, best eff. point	: 825.9 USgpm	Power, hydraulic	: 57.92 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 71.27 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 88.27 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 75.00 hp / 55.93 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 4 x 5 x 9A 2P	Flow, rated	: 825.9 USgpm
Service	:	Stages	: 1	Head, rated	: 277.8 ft
Quantity	: 1	Speed	: 3500 rpm	NPSH required	: 20.42 ft
Quote number	: 25068	Based on curve number	: 4x5x9A 2P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:25 PM	Efficiency	: 81.27 %	Viscosity	: 1.00 cP
		Power, rated	: 71.27 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 4 x 5 x 9A 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 4x5x9A 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:24 PM

Operating Conditions

Flow, rated	: 425.3 USgpm
Head, rated (requested)	: 74.09 ft
Head, rated (actual)	: 74.09 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1750 rpm
Impeller dia.	: 9.00 in
Impeller diameter, maximum	: 9.00 in
Impeller diameter, minimum	: 6.00 in
Efficiency	: 80.09 %
True Weighted Efficiency	: 52.40 %
NPSH required / margin required	: 6.68 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,429 / 8,693 US Units
MCSF	: -
Head max.	: 84.88 ft
Head rise to shutoff	: 15.44 %
Flow, best eff. point	: 425.3 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 68.00 deg F
Fluid density	: 1.000 / 1.000 SG
Viscosity	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

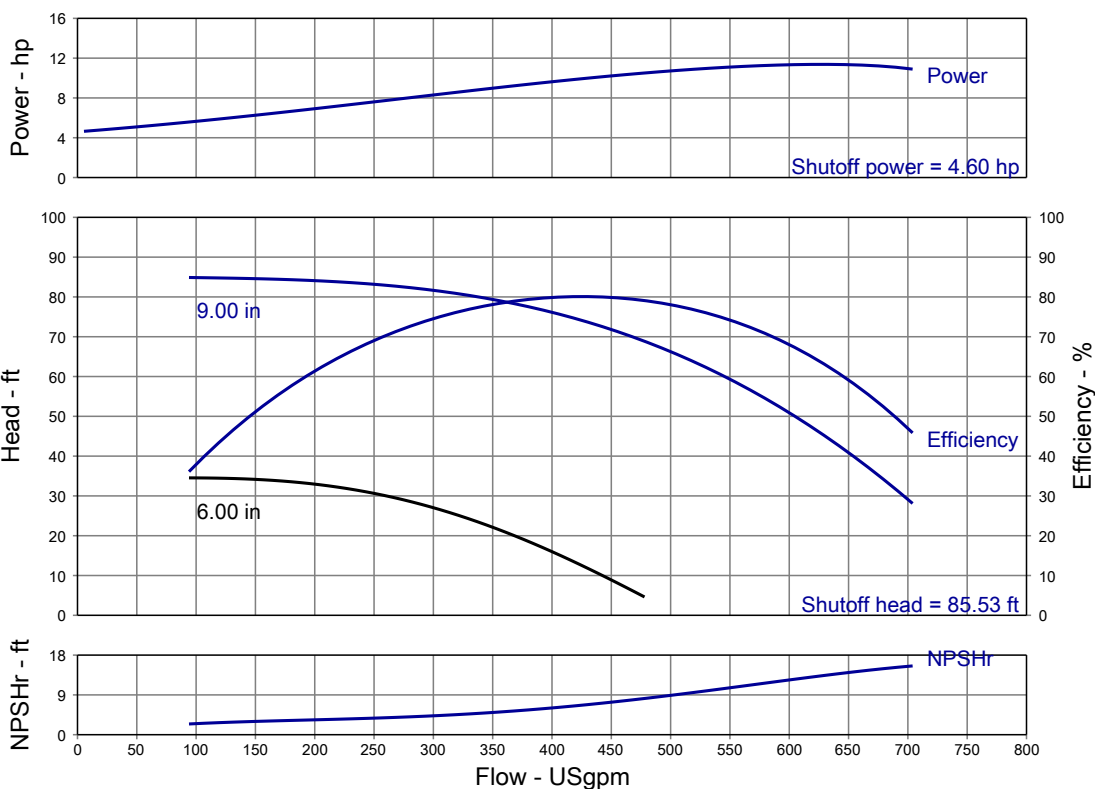
Material selected	: Standard
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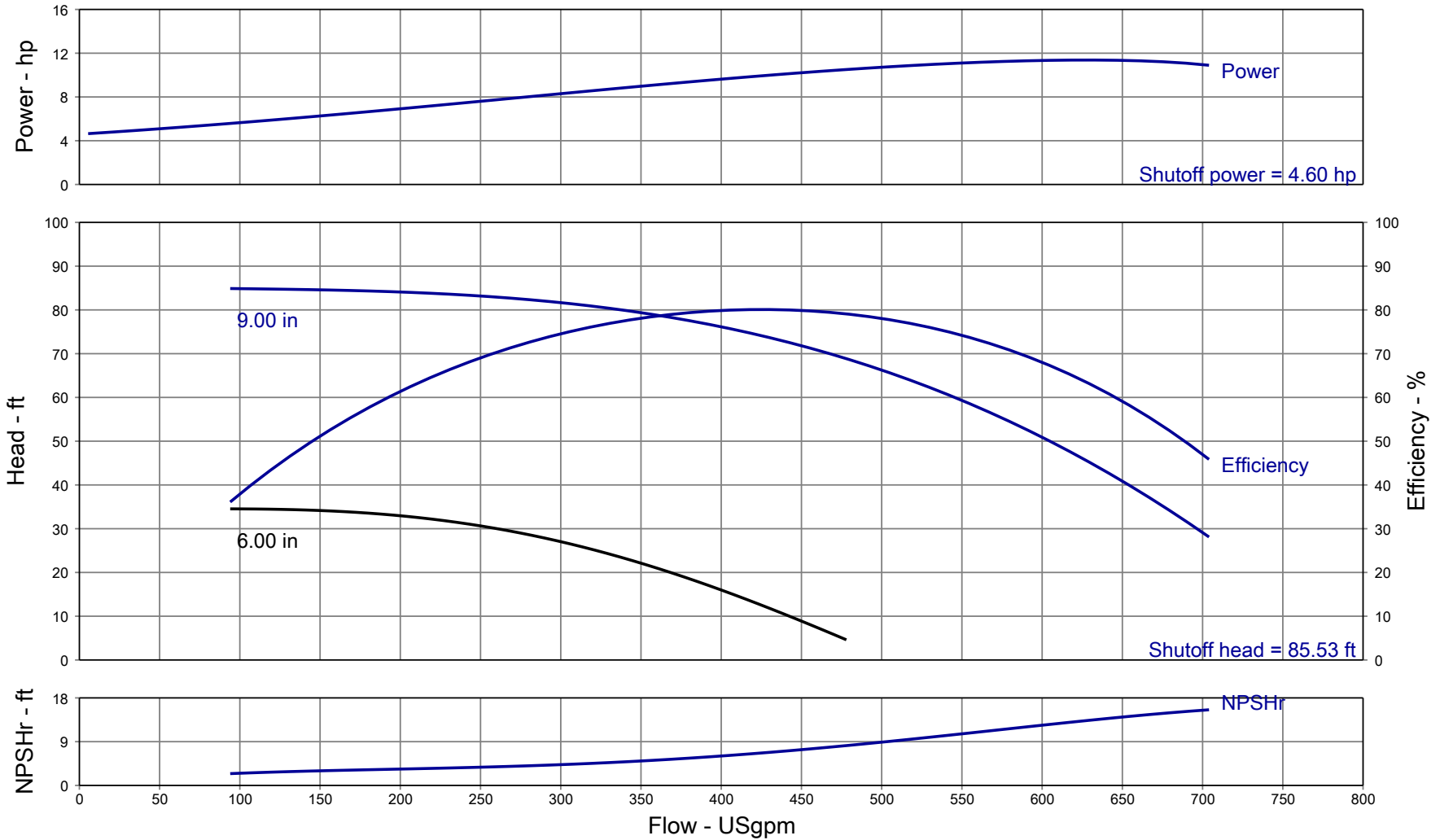
Pressure Data

Maximum working pressure	: 36.74 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 175.0 psi.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 7.96 hp
Power, rated	: 9.93 hp
Power, maximum	: 11.37 hp
Motor rating	: 10.00 hp / 7.46 kW



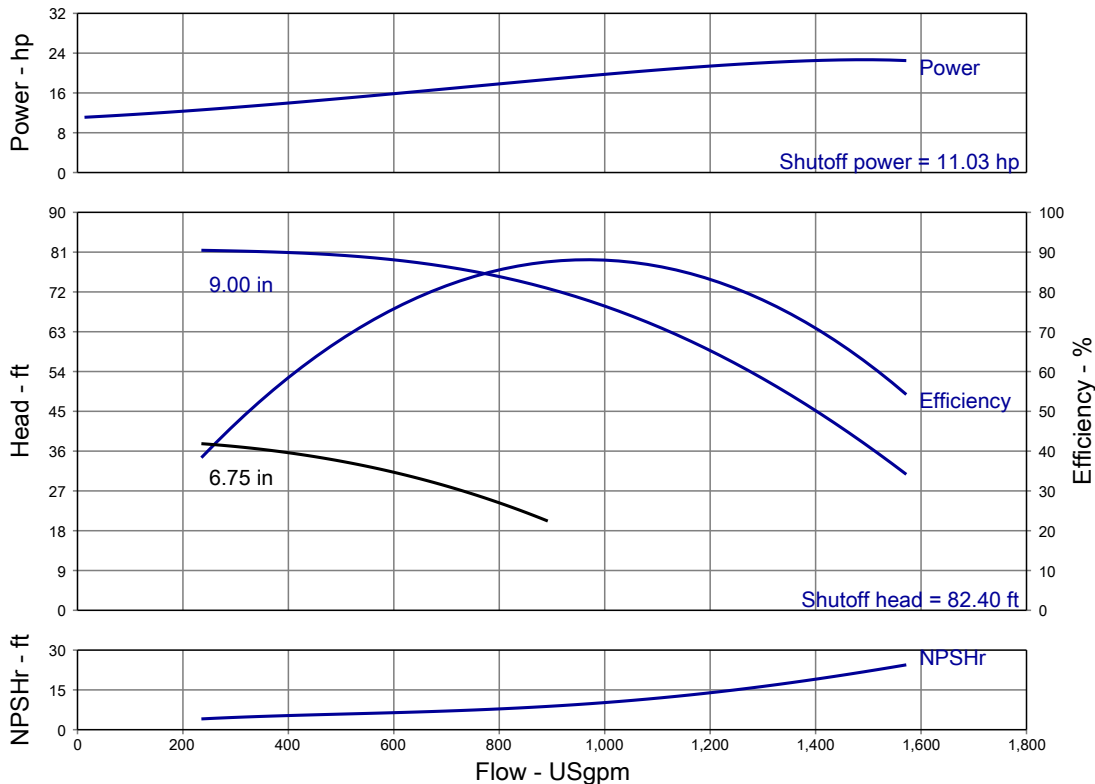


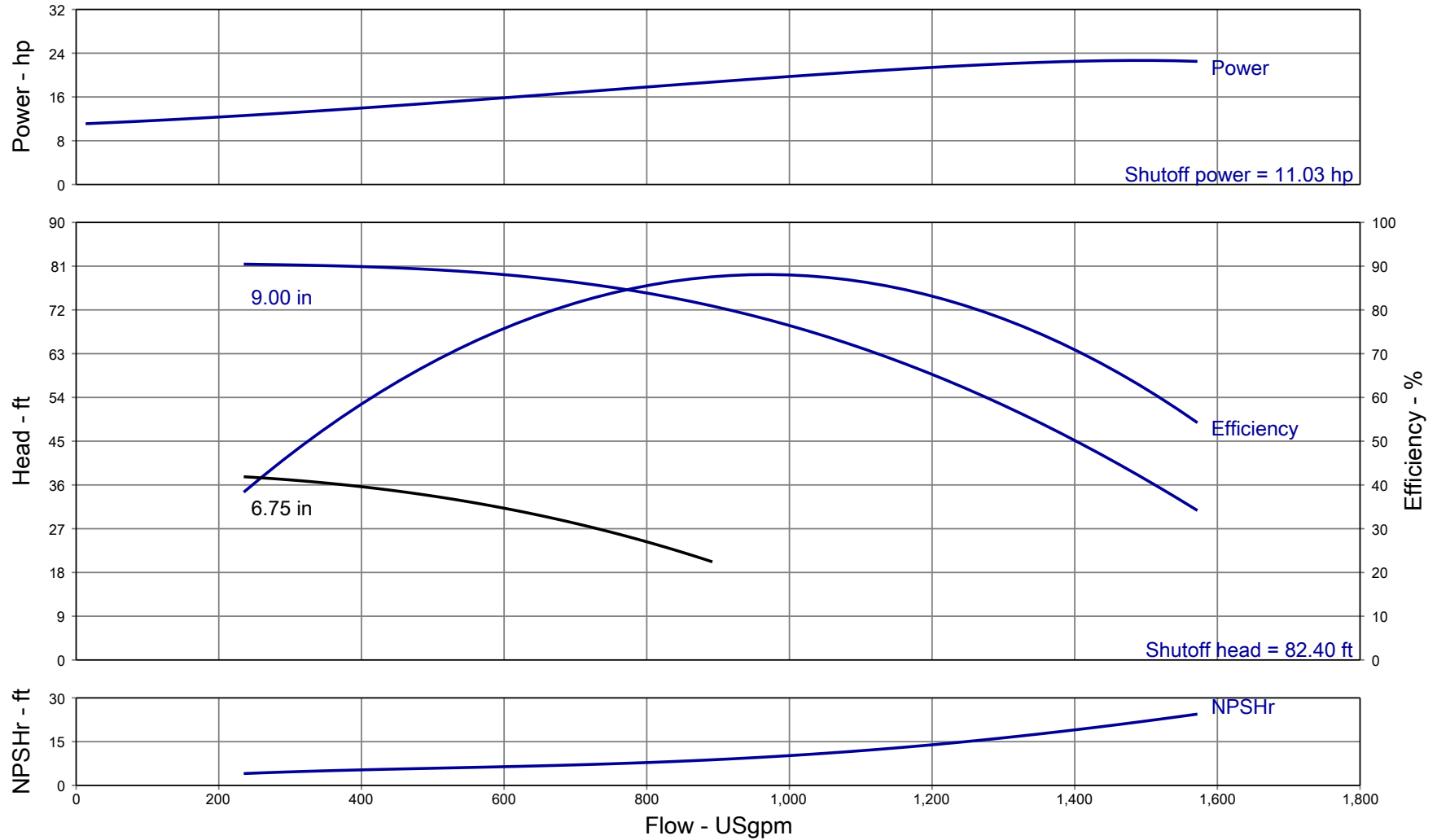
Item number	: 001	Size	: 4 x 5 x 9A 4P	Flow, rated	: 425.3 USgpm
Service	:	Stages	: 1	Head, rated	: 74.09 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 6.68 ft
Quote number	: 25068	Based on curve number	: 4x5x9A 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:24 PM	Efficiency	: 80.09 %	Viscosity	: 1.00 cP
		Power, rated	: 9.93 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 6 x 6 x 9 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 6x6x9 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:56 PM

Operating Conditions		Liquid	
Flow, rated	: 967.4 USgpm	Liquid type	: Water
Head, rated (requested)	: 70.10 ft	Additional liquid description	:
Head, rated (actual)	: 70.10 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 9.00 in	Material selected	: Standard
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 6.75 in	Maximum working pressure	: 35.24 psi.g
Efficiency	: 88.09 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 53.41 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 9.74 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,247 / 9,868 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 81.42 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 17.54 %	Service factor	: 1.00
Flow, best eff. point	: 967.4 USgpm	Power, hydraulic	: 17.12 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 19.44 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 22.68 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 20.00 hp / 14.91 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 6 x 6 x 9 4P	Flow, rated	: 967.4 USgpm
Service	:	Stages	: 1	Head, rated	: 70.10 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 9.74 ft
Quote number	: 25068	Based on curve number	: 6x6x9 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:56 PM	Efficiency	: 88.09 %	Viscosity	: 1.00 cP
		Power, rated	: 19.44 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 6 x 6 x 9 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 6x6x9 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:27 PM

Operating Conditions

Flow, rated	: 629.7 USgpm
Head, rated (requested)	: 30.18 ft
Head, rated (actual)	: 30.18 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1150 rpm
Impeller dia.	: 9.00 in
Impeller diameter, maximum	: 9.00 in
Impeller diameter, minimum	: 6.75 in
Efficiency	: 88.11 %
True Weighted Efficiency	: 52.42 %
NPSH required / margin required	: 4.12 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,241 / 9,977 US Units
MCSF	: -
Head max.	: 34.59 ft
Head rise to shutoff	: 16.31 %
Flow, best eff. point	: 629.7 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 68.00 deg F
Fluid density	: 1.000 / 1.000 SG
Viscosity	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

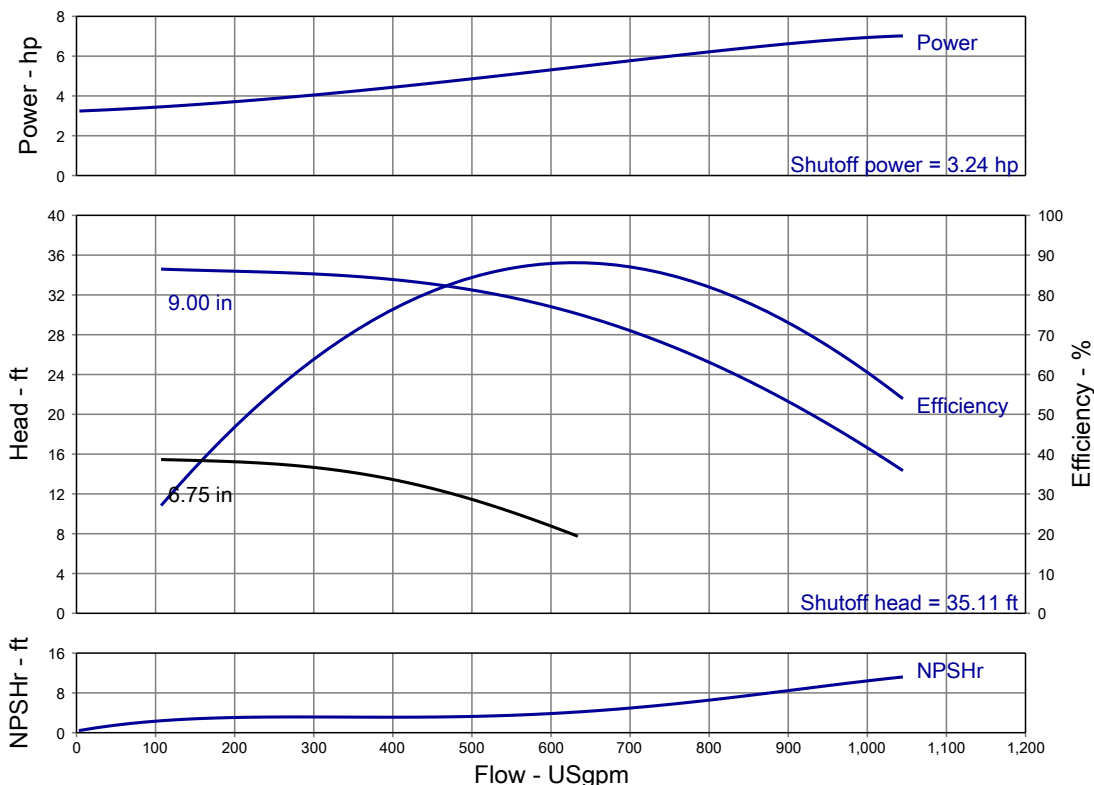
Material selected	: Standard
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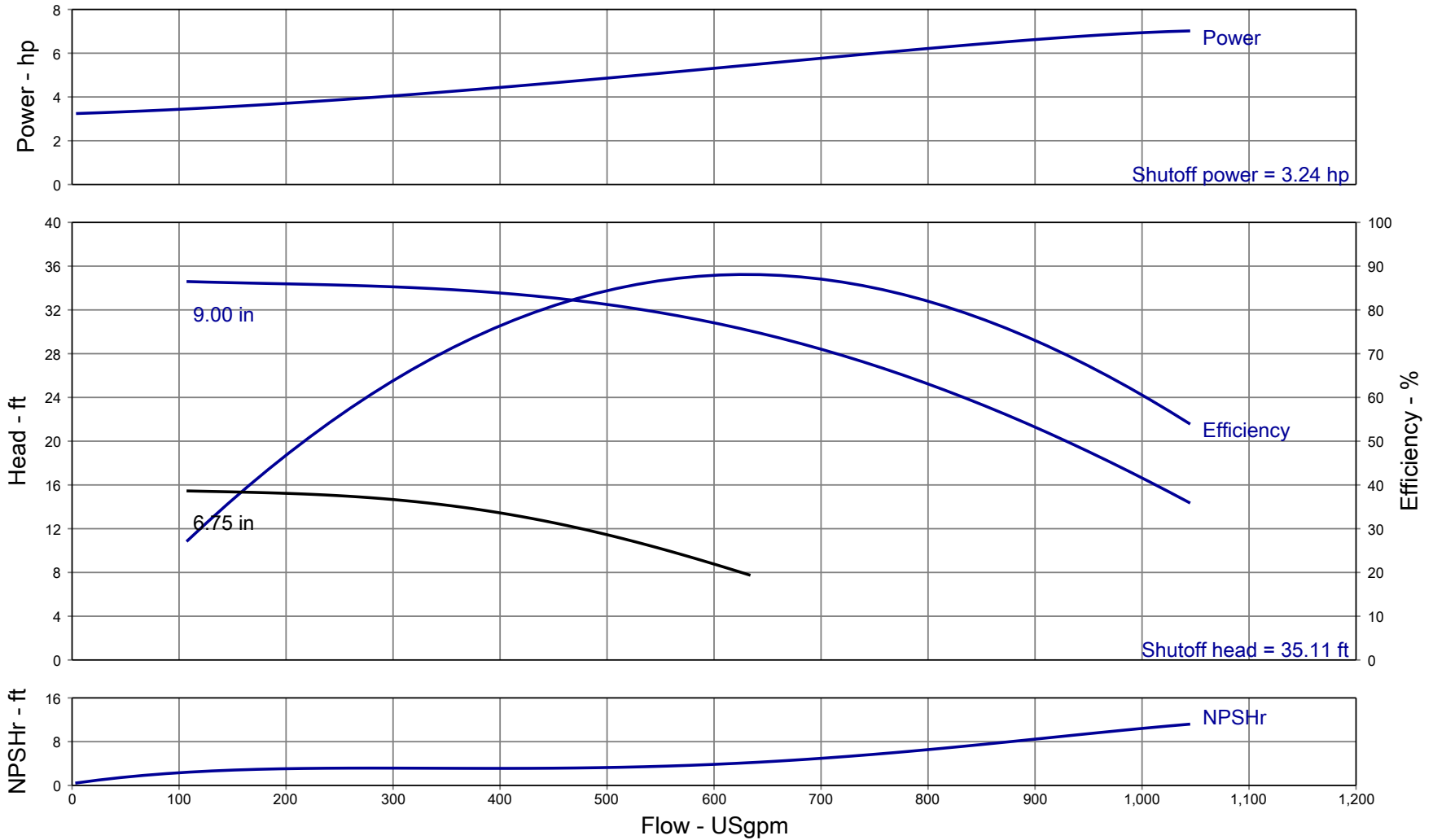
Pressure Data

Maximum working pressure	: 14.97 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 175.0 psi.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 4.80 hp
Power, rated	: 5.45 hp
Power, maximum	: 7.02 hp
Motor rating	: 7.50 hp / 5.59 kW



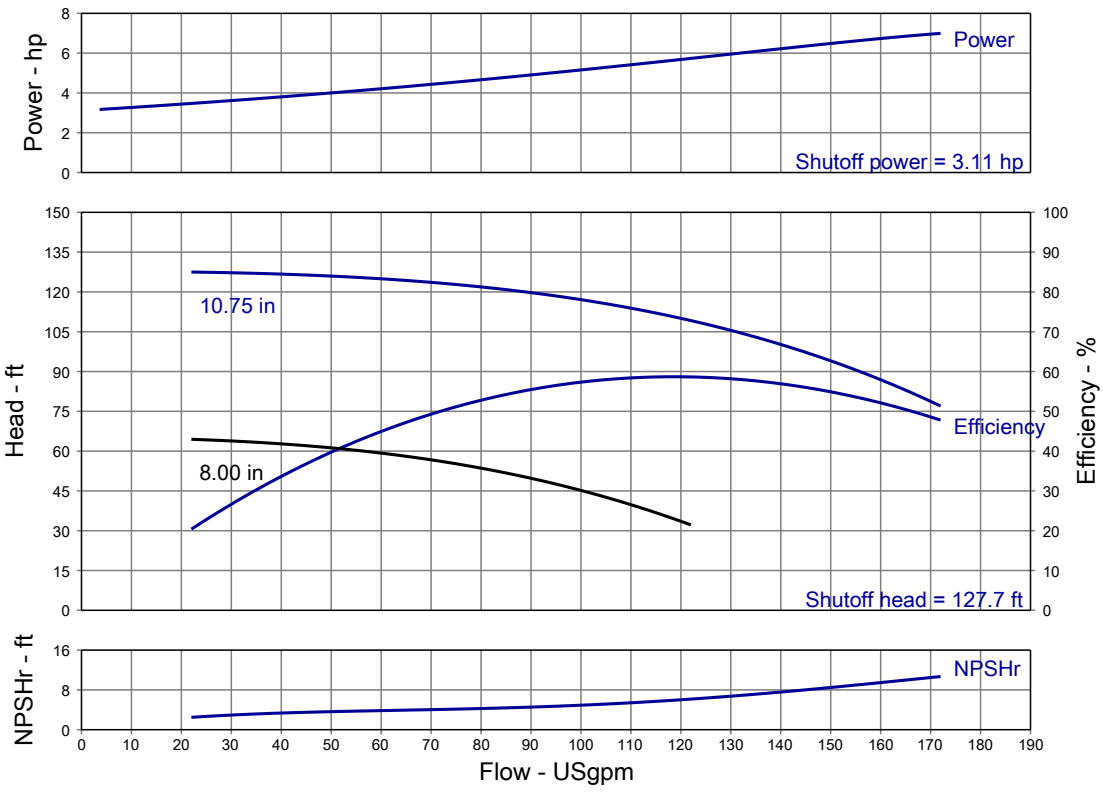


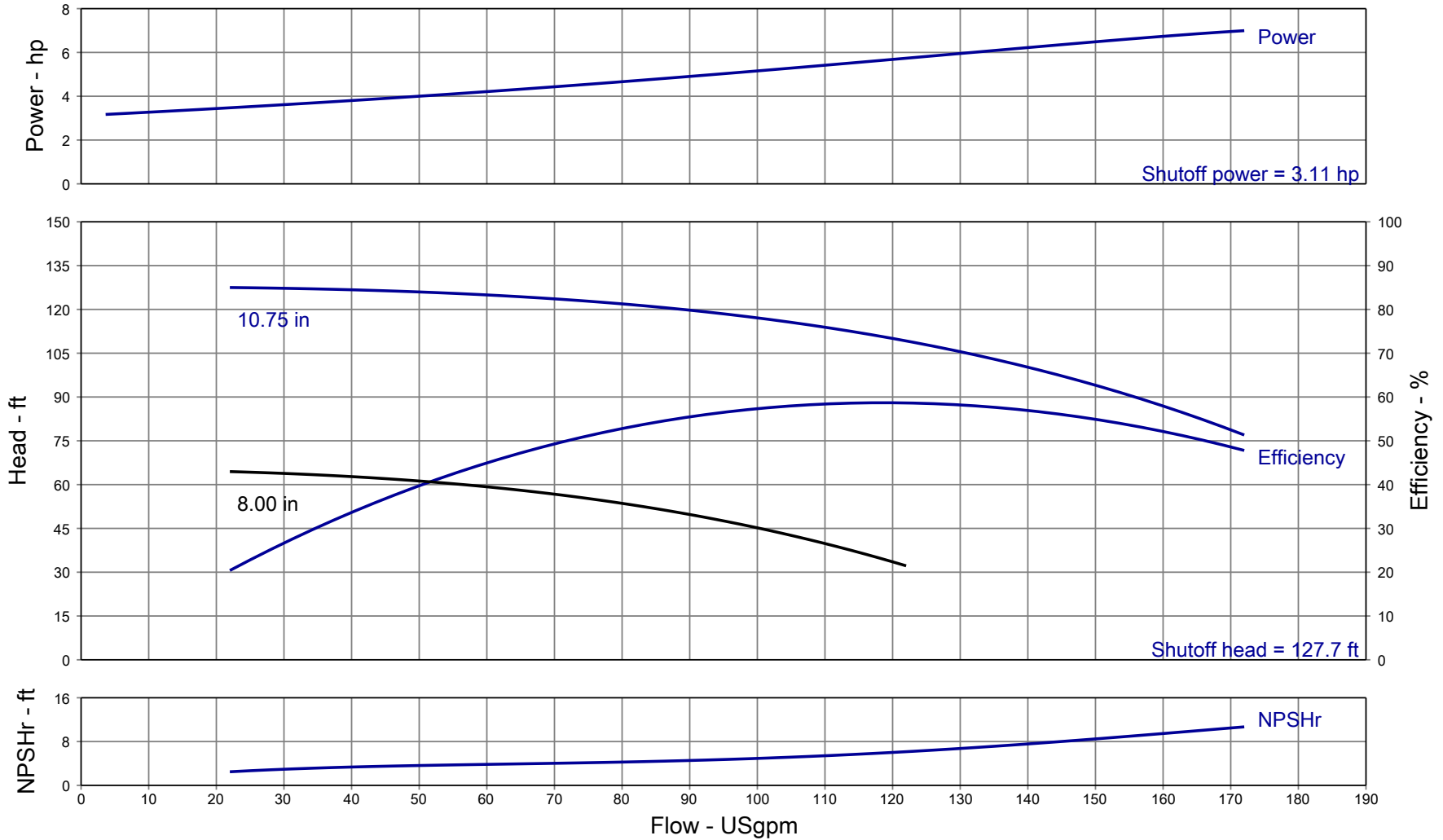
Item number	: 001	Size	: 6 x 6 x 9 6P	Flow, rated	: 629.7 USgpm
Service	:	Stages	: 1	Head, rated	: 30.18 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 4.12 ft
Quote number	: 25068	Based on curve number	: 6x6x9 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:27 PM	Efficiency	: 88.11 %	Viscosity	: 1.00 cP
		Power, rated	: 5.45 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 1.5x2x11 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 1.5x2x11 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:58 PM

Operating Conditions		Liquid	
Flow, rated	: 118.6 USgpm	Liquid type	: Water
Head, rated (requested)	: 110.6 ft	Additional liquid description	:
Head, rated (actual)	: 110.6 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 10.75 in	Material selected	: Standard
Impeller diameter, maximum	: 10.75 in	Pressure Data	
Impeller diameter, minimum	: 8.00 in	Maximum working pressure	: 55.18 psi.g
Efficiency	: 58.69 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 35.78 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 5.92 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 559 / 5,019 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 127.5 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 15.45 %	Service factor	: 1.00
Flow, best eff. point	: 118.6 USgpm	Power, hydraulic	: 3.31 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 5.64 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 6.99 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 7.50 hp / 5.59 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



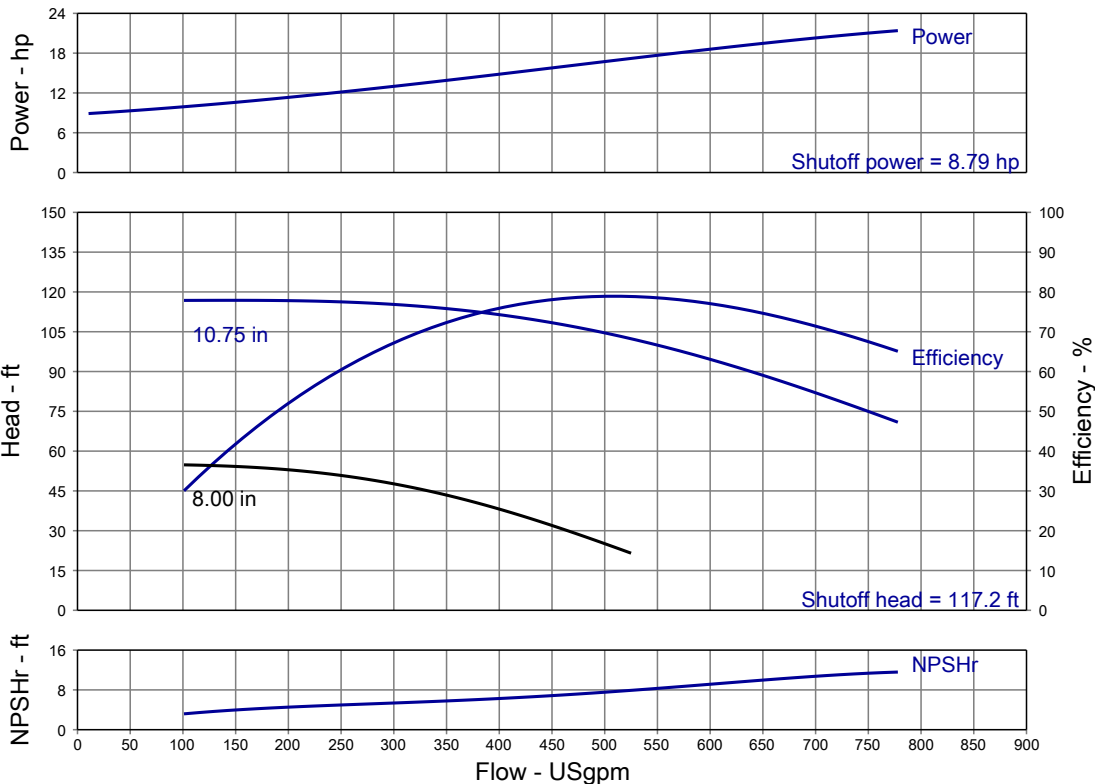


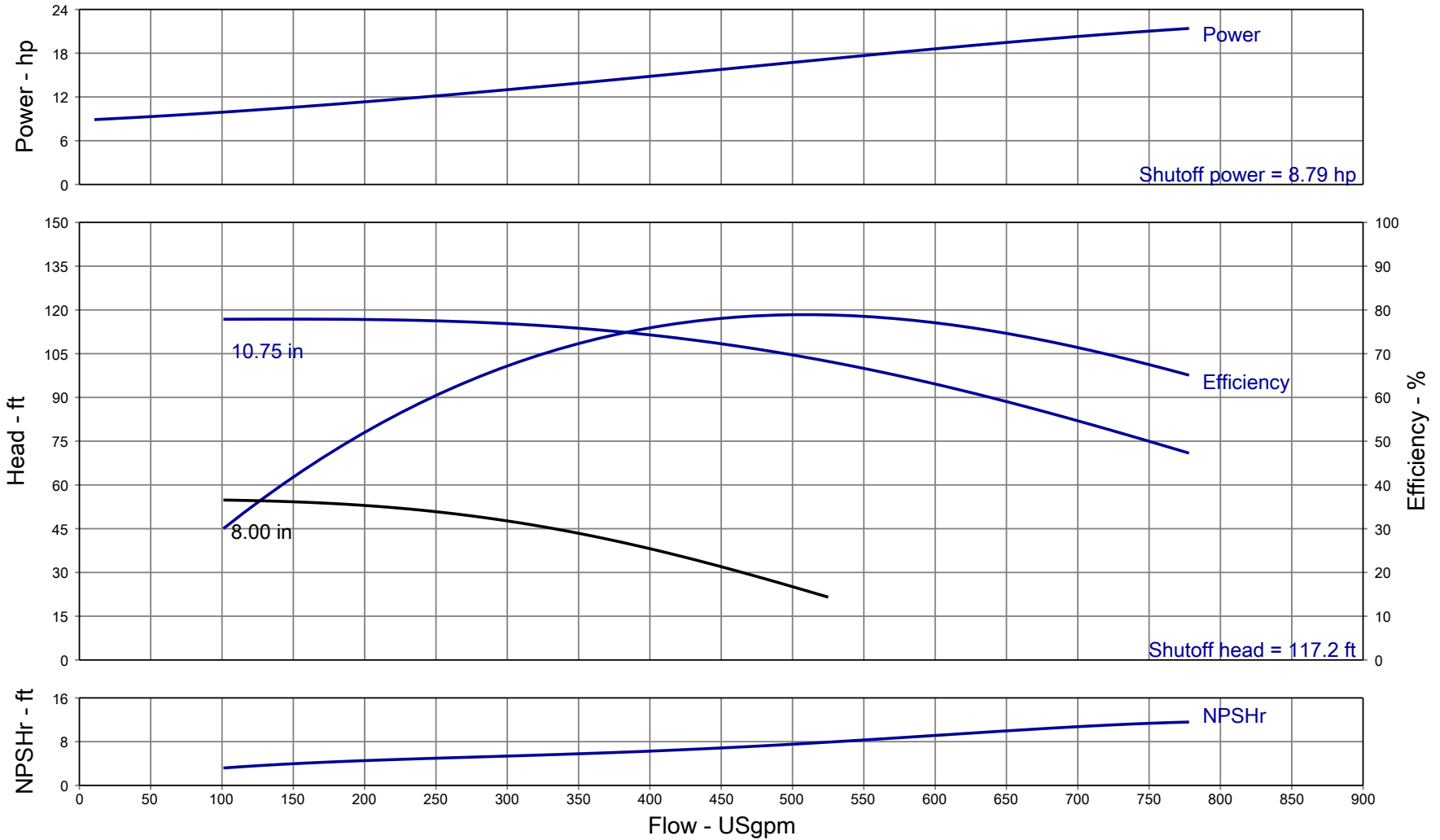
Item number	: 001	Size	: 1.5x2x11 4P	Flow, rated	: 118.6 USgpm
Service	:	Stages	: 1	Head, rated	: 110.6 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 5.92 ft
Quote number	: 25068	Based on curve number	: 1.5x2x11 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:58 PM	Efficiency	: 58.69 %	Viscosity	: 1.00 cP
		Power, rated	: 5.64 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 3 x 4 x 11 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x11 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:00 PM

Operating Conditions		Liquid	
Flow, rated	: 508.7 USgpm	Liquid type	: Water
Head, rated (requested)	: 103.8 ft	Additional liquid description	:
Head, rated (actual)	: 103.8 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 10.75 in	Material selected	: Standard
Impeller diameter, maximum	: 10.75 in	Pressure Data	
Impeller diameter, minimum	: 8.00 in	Maximum working pressure	: 50.57 psi.g
Efficiency	: 78.92 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 49.34 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 7.66 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,213 / 8,573 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 116.8 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 12.85 %	Service factor	: 1.00
Flow, best eff. point	: 508.7 USgpm	Power, hydraulic	: 13.33 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 16.89 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 21.40 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 20.00 hp / 14.91 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

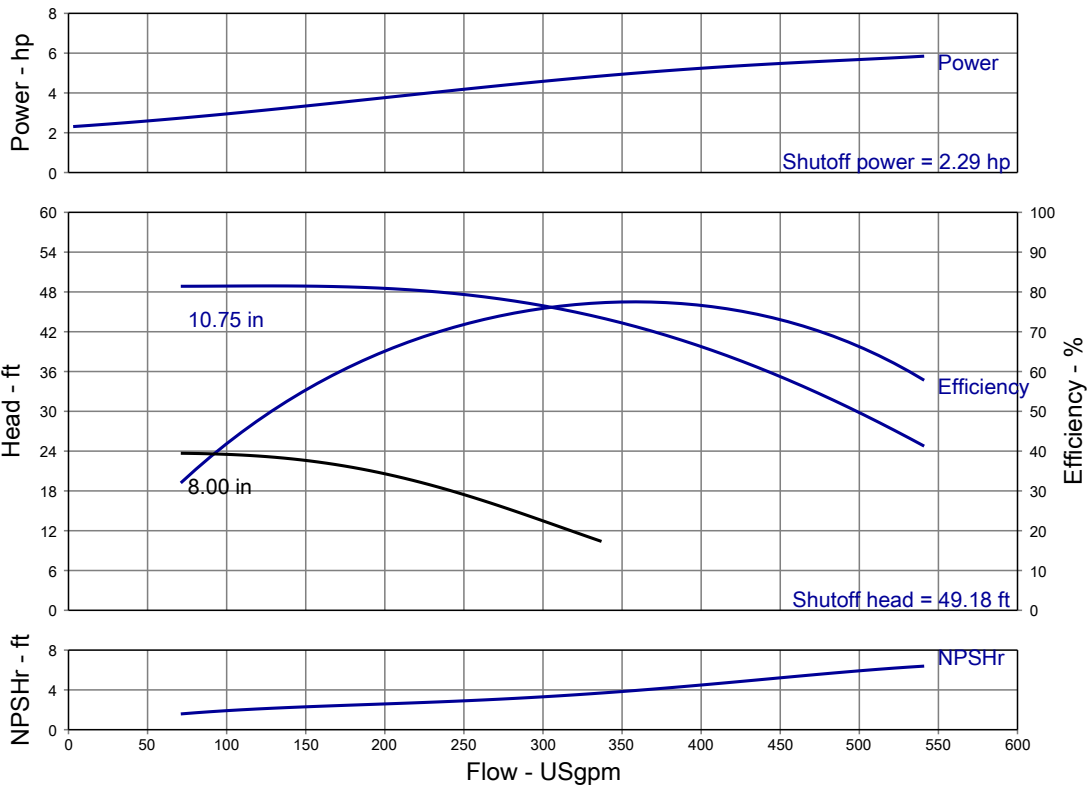


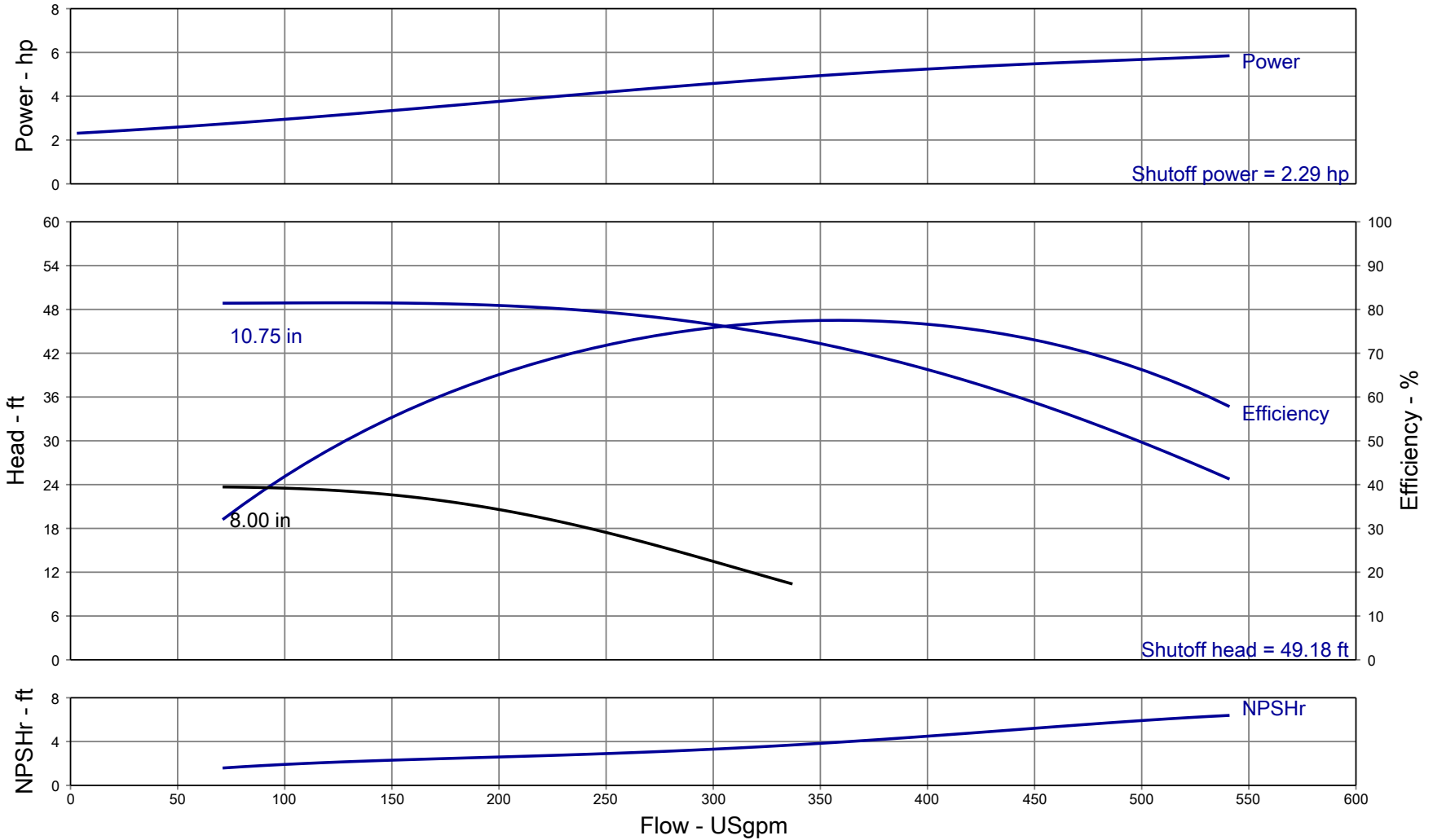


Item number	: 001	Size	: 3 x 4 x 11 4P	Flow, rated	: 508.7 USgpm
Service	:	Stages	: 1	Head, rated	: 103.8 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 7.66 ft
Quote number	: 25068	Based on curve number	: 3x4x11 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:00 PM	Efficiency	: 78.92 %	Viscosity	: 1.00 cP
		Power, rated	: 16.89 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 3 x 4 x 11 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x11 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 8:59 PM

Operating Conditions		Liquid	
Flow, rated	: 358.1 USgpm	Liquid type	: Water
Head, rated (requested)	: 42.81 ft	Additional liquid description	:
Head, rated (actual)	: 42.81 ft	Solids diameter, max	: 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	: 1150 rpm	Material	
Impeller dia.	: 10.75 in	Material selected	: Standard
Impeller diameter, maximum	: 10.75 in	Pressure Data	
Impeller diameter, minimum	: 8.00 in	Maximum working pressure	: 21.17 psi.g
Efficiency	: 77.51 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 50.76 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 3.94 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,301 / 7,787 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 48.91 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 14.87 %	Service factor	: 1.00
Flow, best eff. point	: 358.1 USgpm	Power, hydraulic	: 3.87 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 4.99 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 5.85 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 5.00 hp / 3.73 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



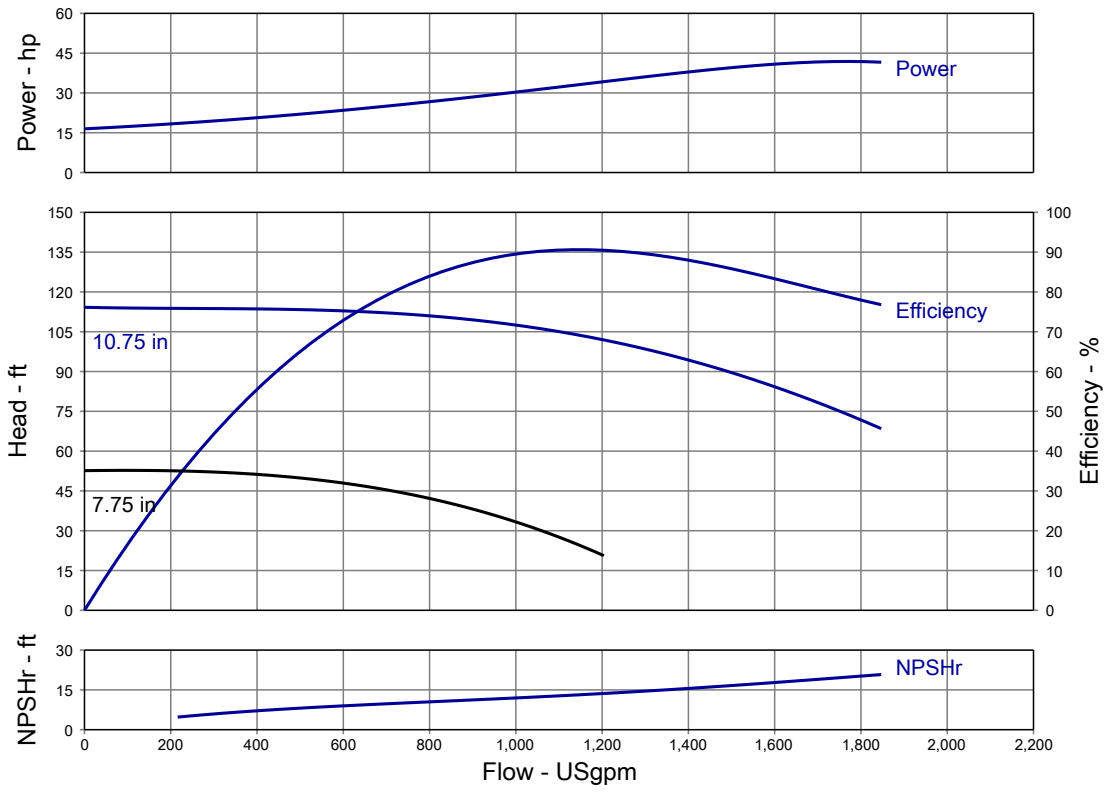


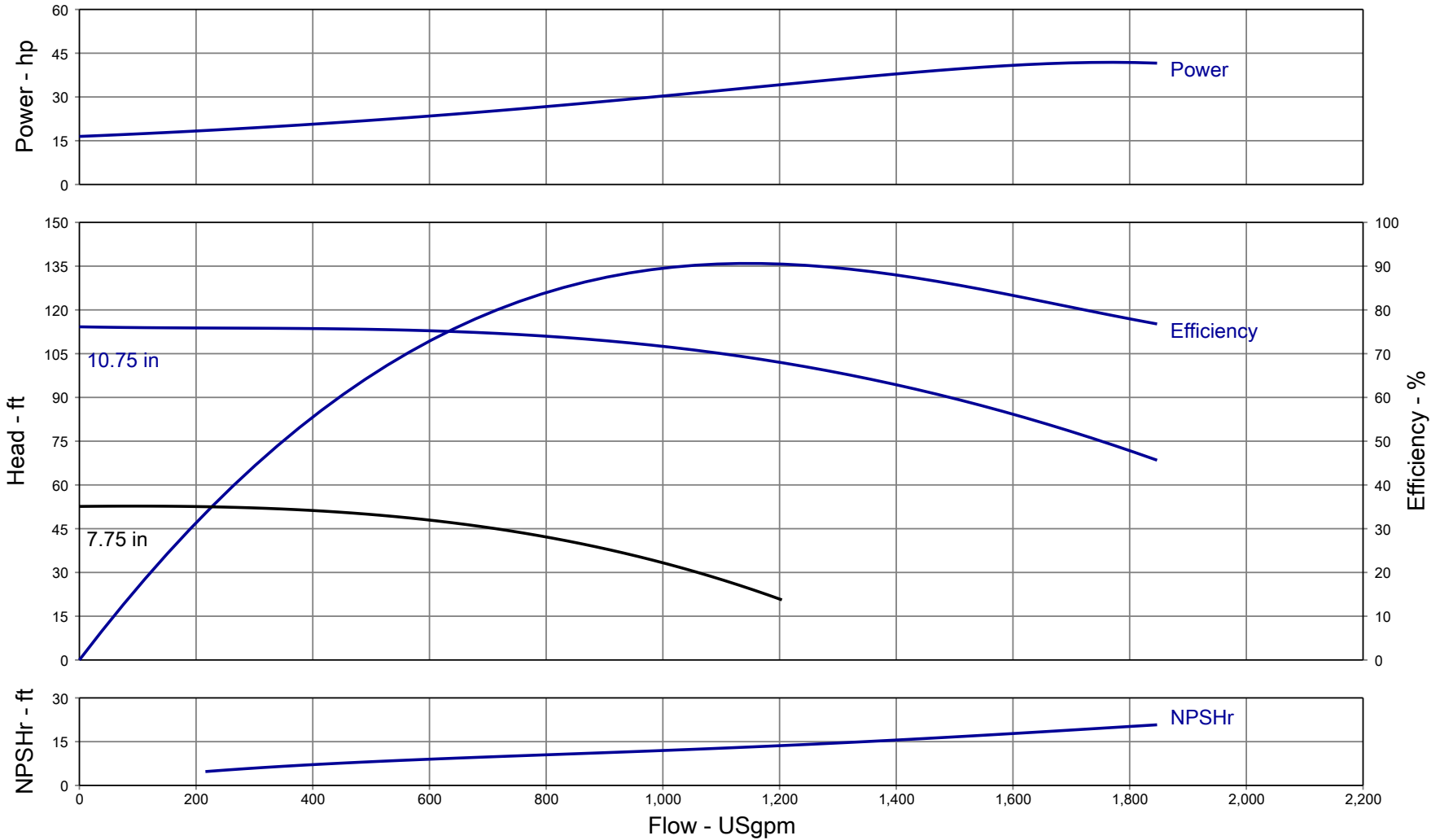
Item number	: 001	Size	: 3 x 4 x 11 6P	Flow, rated	: 358.1 USgpm
Service	:	Stages	: 1	Head, rated	: 42.81 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 3.94 ft
Quote number	: 25068	Based on curve number	: 3x4x11 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 8:59 PM	Efficiency	: 77.51 %	Viscosity	: 1.00 cP
		Power, rated	: 4.99 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 5 x 6 x 11 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 5x6x11 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:04 PM

Operating Conditions		Liquid	
Flow, rated	: 1,146.7 USgpm	Liquid type	: Water
Head, rated (requested)	: 103.7 ft	Additional liquid description	:
Head, rated (actual)	: 103.7 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 10.75 in	Material selected	: Standard
Impeller diameter, maximum	: 10.75 in	Pressure Data	
Impeller diameter, minimum	: 7.75 in	Maximum working pressure	: 49.43 psi.g
Efficiency	: 90.62 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 57.45 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 13.15 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,824 / 8,580 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 114.2 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 10.13 %	Service factor	: 1.00
Flow, best eff. point	: 1,146.7 USgpm	Power, hydraulic	: 30.02 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 33.13 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 41.87 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 40.00 hp / 29.83 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



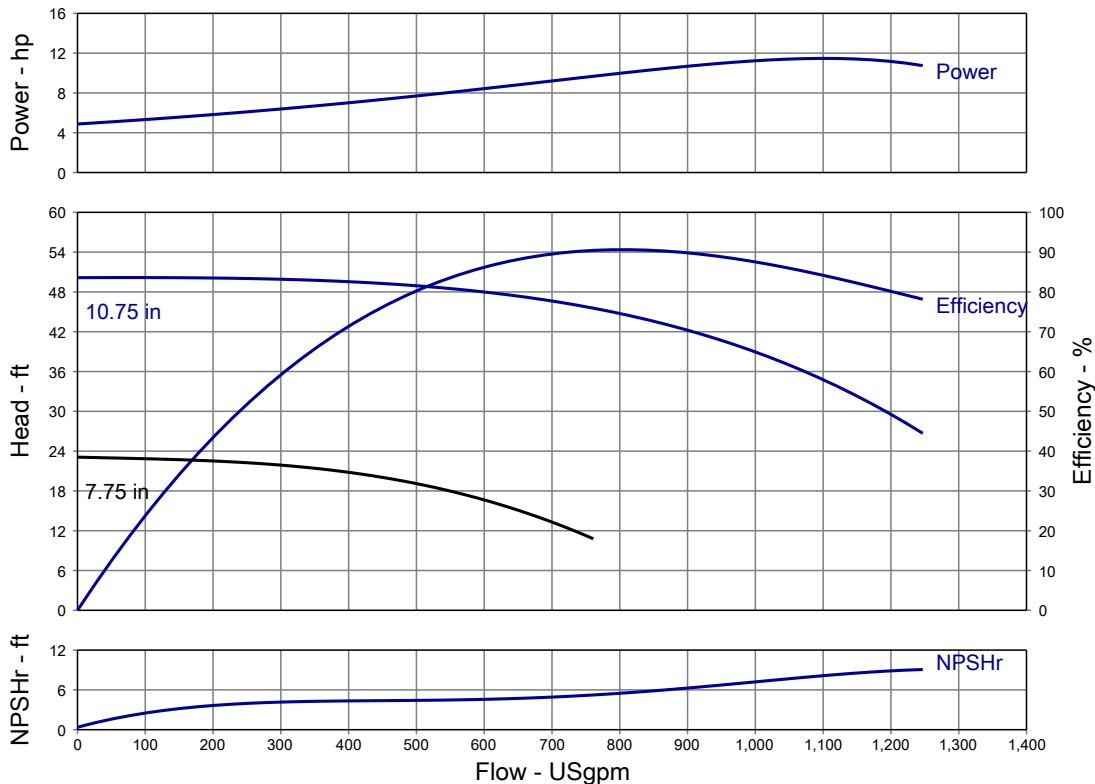


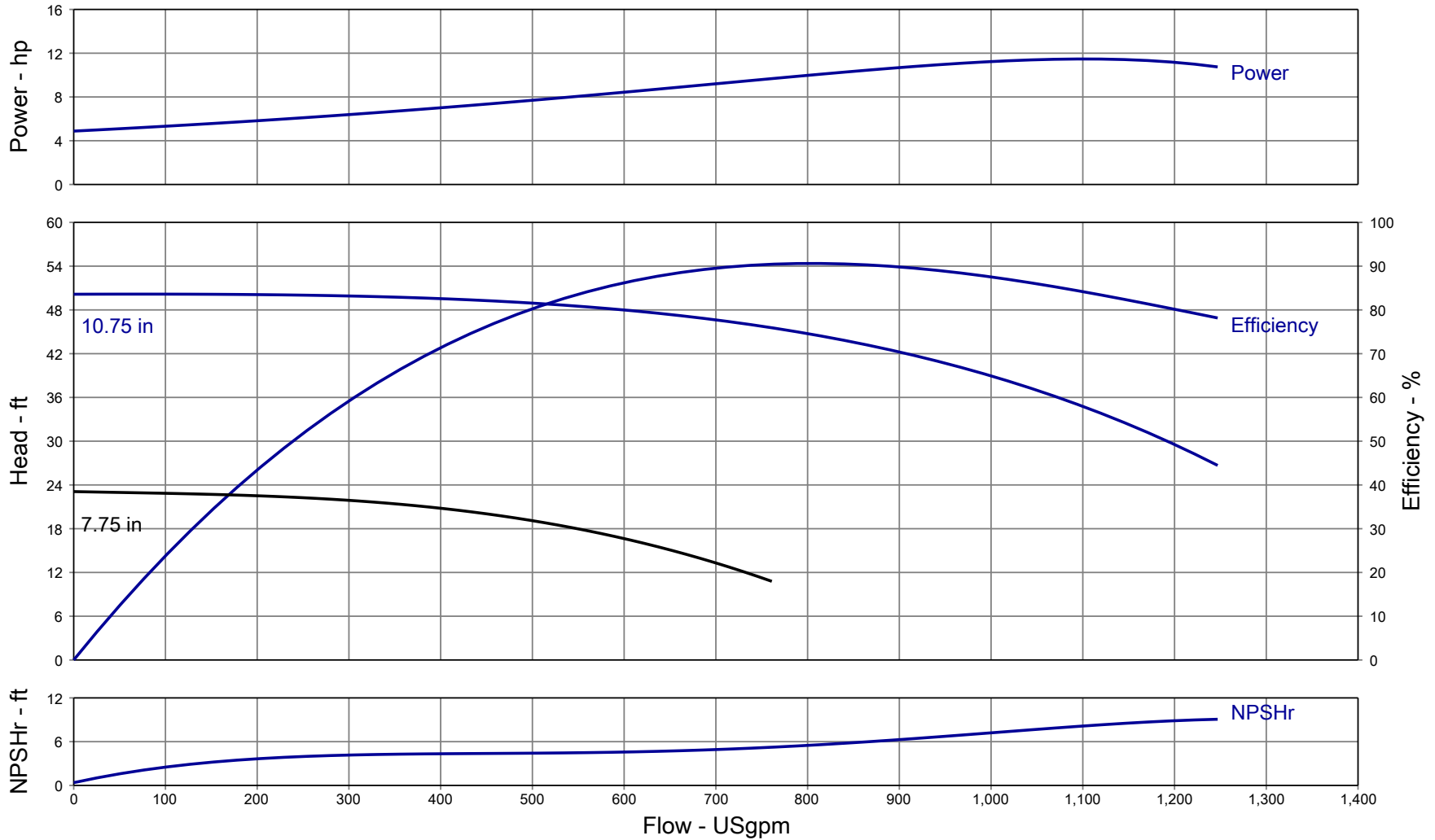
Item number	: 001	Size	: 5 x 6 x 11 4P	Flow, rated	: 1,146.7 USgpm
Service	:	Stages	: 1	Head, rated	: 103.7 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 13.15 ft
Quote number	: 25068	Based on curve number	: 5x6x11 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:04 PM	Efficiency	: 90.62 %	Viscosity	: 1.00 cP
		Power, rated	: 33.13 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 5 x 6 x 11 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 5x6x11 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:02 PM

Operating Conditions		Liquid	
Flow, rated	: 804.2 USgpm	Liquid type	: Water
Head, rated (requested)	: 44.66 ft	Additional liquid description	:
Head, rated (actual)	: 44.66 ft	Solids diameter, max	: 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	: 1150 rpm	Material	
Impeller dia.	: 10.75 in	Material selected	: Standard
Impeller diameter, maximum	: 10.75 in	Pressure Data	
Impeller diameter, minimum	: 7.75 in	Maximum working pressure	: 21.71 psi.g
Efficiency	: 90.62 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 58.22 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 5.52 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,887 / 9,061 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 50.16 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 12.30 %	Service factor	: 1.00
Flow, best eff. point	: 804.2 USgpm	Power, hydraulic	: 9.07 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 10.01 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 11.47 hp
Head ratio (rated dia / max dia)	: 100.00 %	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		



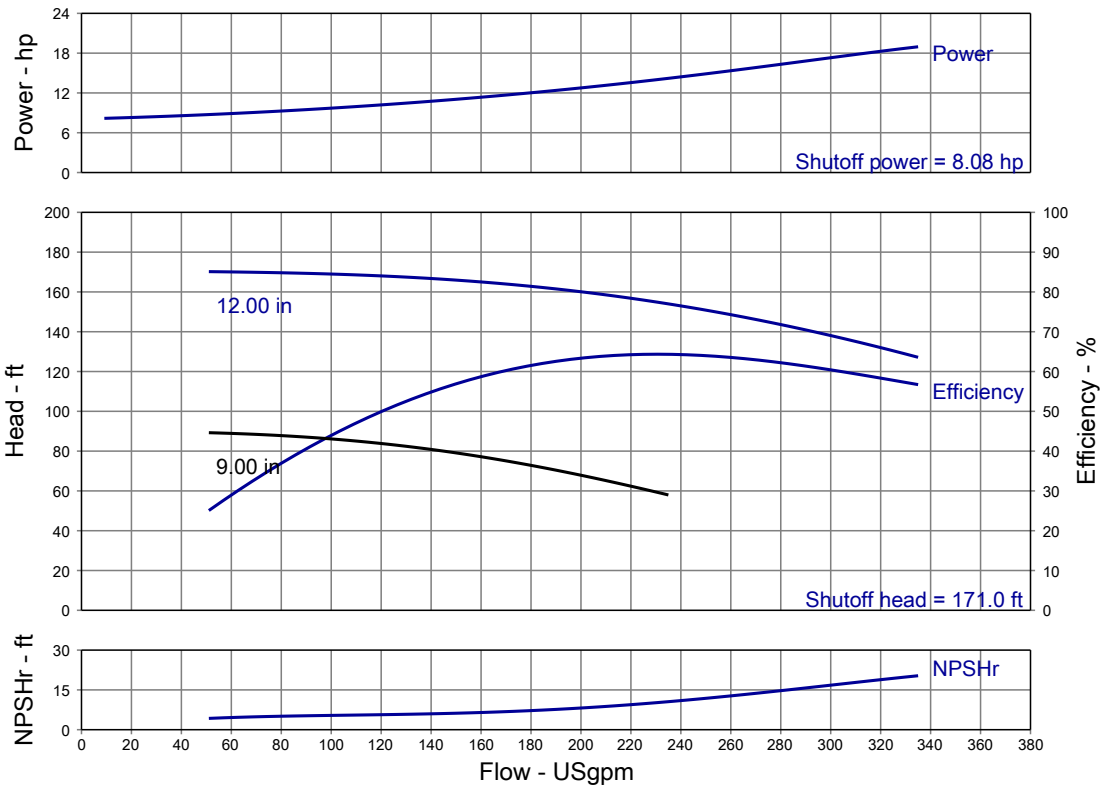


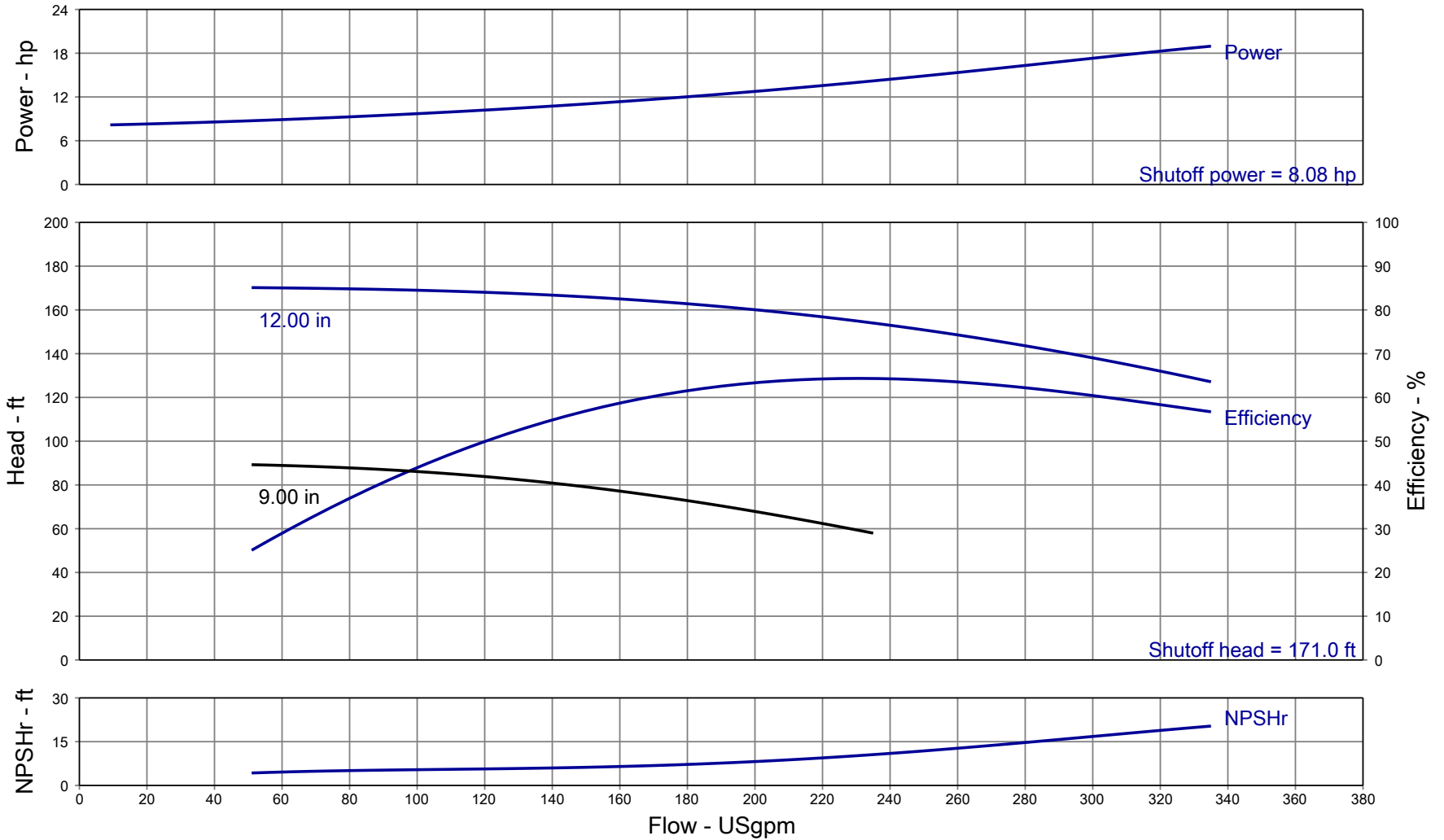
Item number	: 001	Size	: 5 x 6 x 11 6P	Flow, rated	: 804.2 USgpm
Service	:	Stages	: 1	Head, rated	: 44.66 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 5.52 ft
Quote number	: 25068	Based on curve number	: 5x6x11 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:02 PM	Efficiency	: 90.62 %	Viscosity	: 1.00 cP
		Power, rated	: 10.01 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2 x 2.5 x12 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x12 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:08 PM

Operating Conditions		Liquid	
Flow, rated	: 230.6 USgpm	Liquid type	: Water
Head, rated (requested)	: 154.9 ft	Additional liquid description	:
Head, rated (actual)	: 154.9 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 9.00 in	Maximum working pressure	: 73.66 psi.g
Efficiency	: 64.35 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 38.50 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 10.21 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 605 / 4,652 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 170.2 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 10.43 %	Service factor	: 1.00
Flow, best eff. point	: 230.6 USgpm	Power, hydraulic	: 9.02 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 14.01 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 18.96 hp
Head ratio (rated dia / max dia)	: 100.00 %	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		



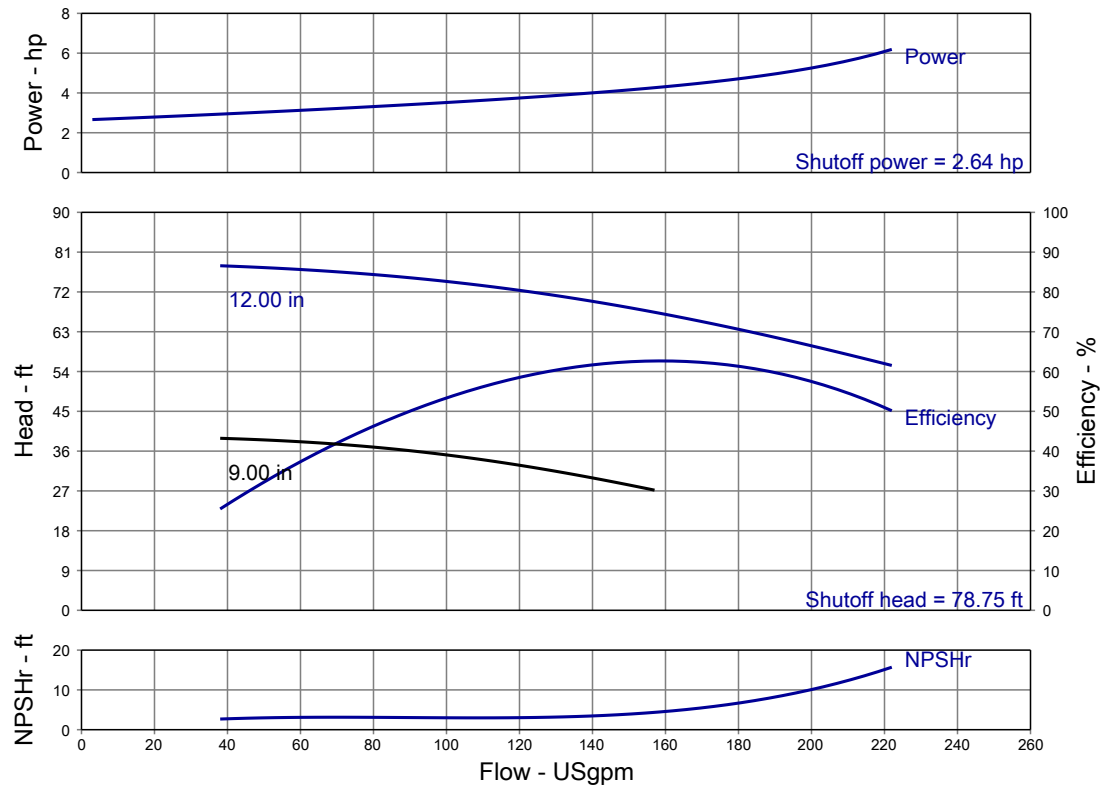


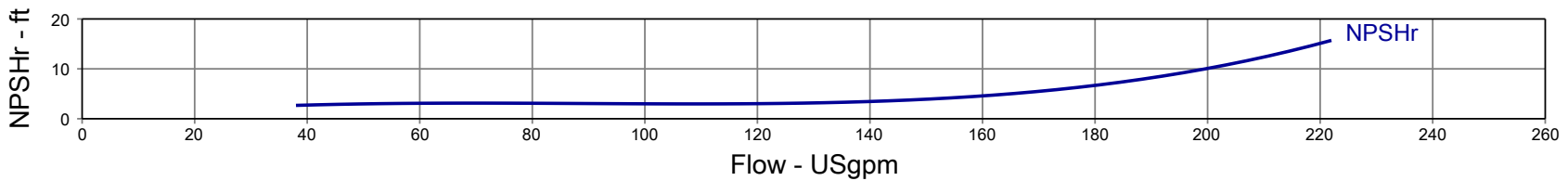
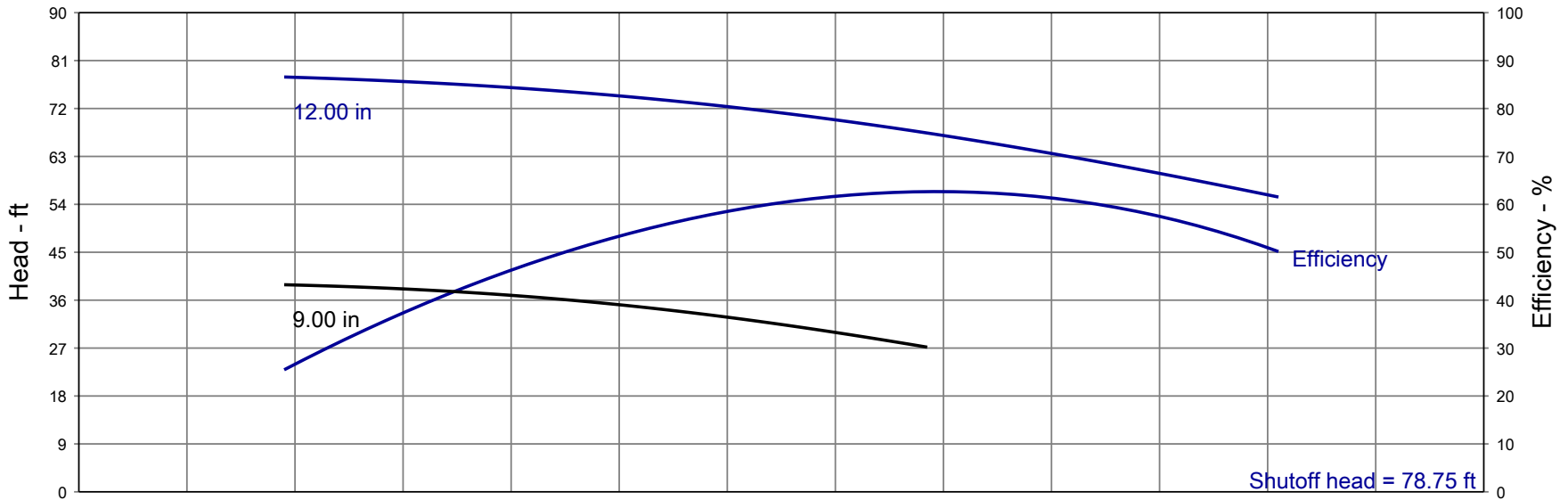
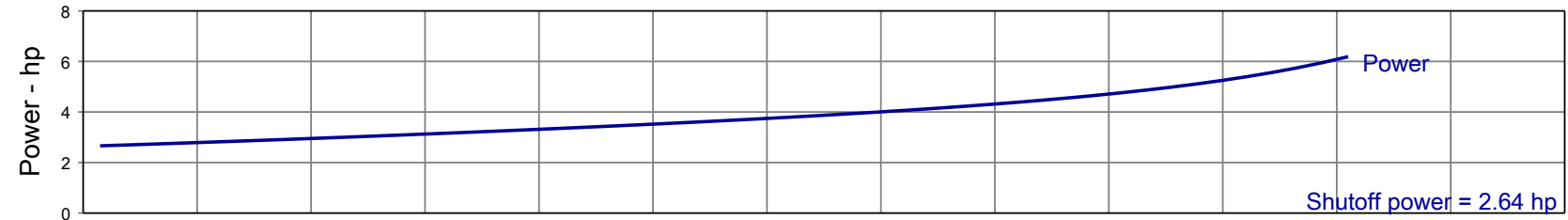
Item number	: 001	Size	: 2 x 2.5 x12 4P	Flow, rated	: 230.6 USgpm
Service	:	Stages	: 1	Head, rated	: 154.9 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 10.21 ft
Quote number	: 25068	Based on curve number	: 2x2.5x12 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:08 PM	Efficiency	: 64.35 %	Viscosity	: 1.00 cP
		Power, rated	: 14.01 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 2 x 2.5 x12 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 2x2.5x12 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:06 PM

Operating Conditions		Liquid	
Flow, rated	: 158.8 USgpm	Liquid type	: Water
Head, rated (requested)	: 67.12 ft	Additional liquid description	:
Head, rated (actual)	: 67.12 ft	Solids diameter, max	: 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	: 1150 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 9.00 in	Maximum working pressure	: 33.72 psi.g
Efficiency	: 62.66 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 36.38 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 4.48 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 617 / 4,708 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 77.92 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 17.31 %	Service factor	: 1.00
Flow, best eff. point	: 158.8 USgpm	Power, hydraulic	: 2.69 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 4.29 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 6.19 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 5.00 hp / 3.73 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



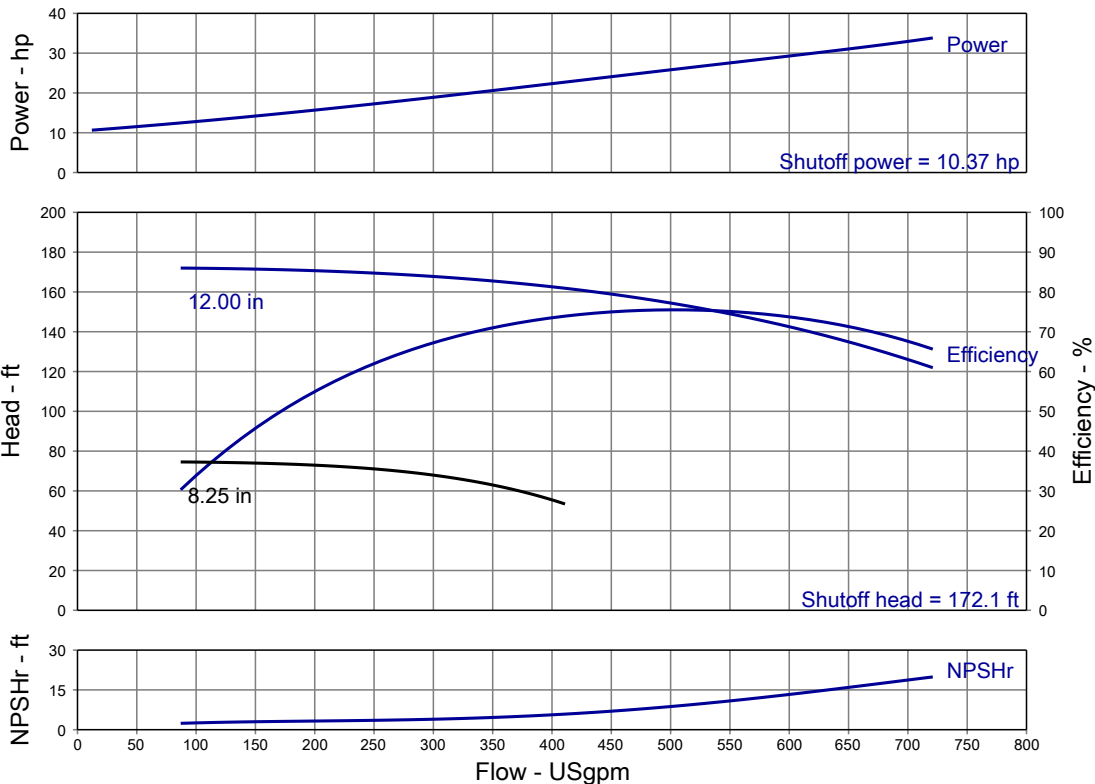


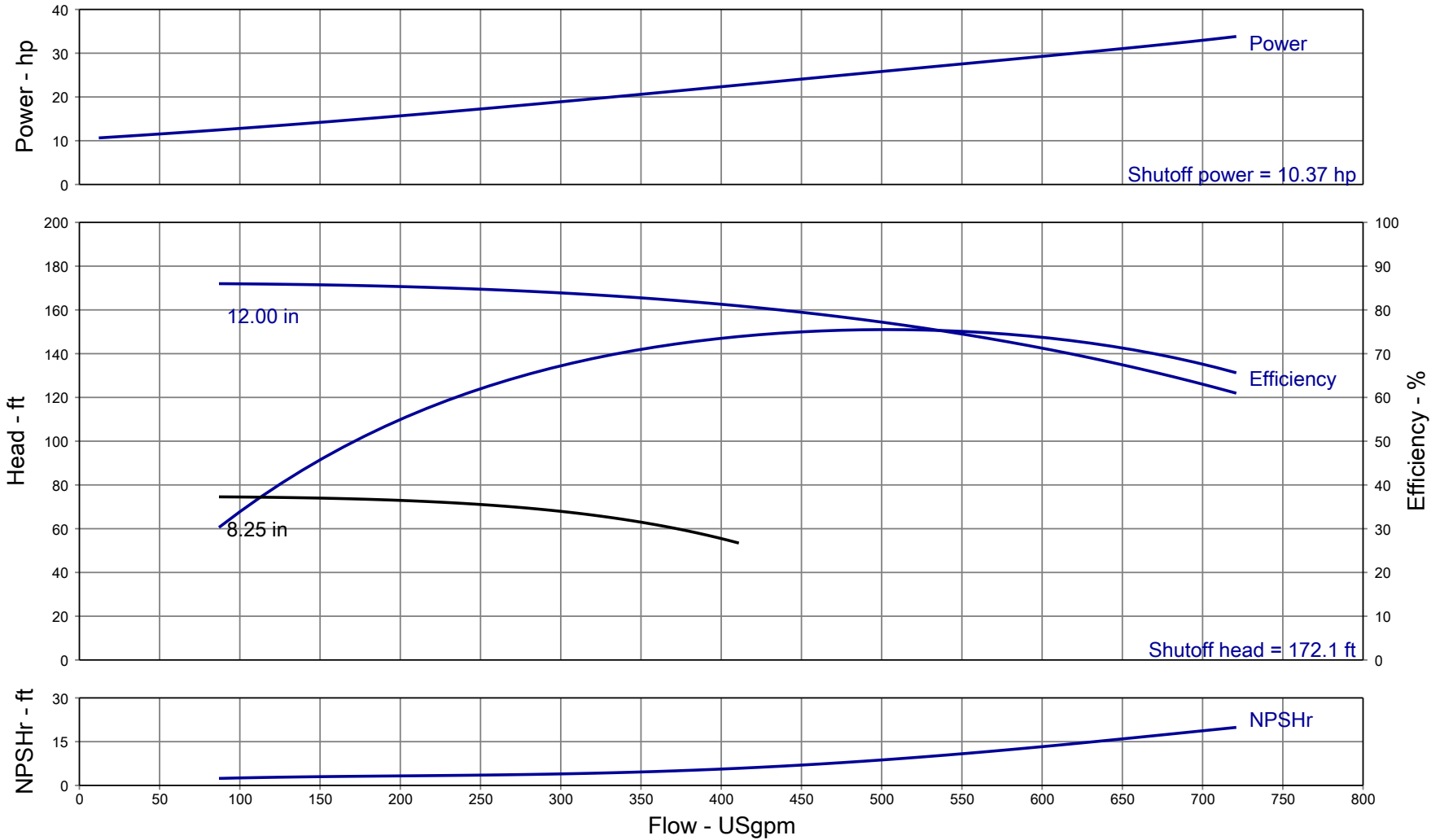
Item number	: 001	Size	: 2 x 2.5 x12 6P	Flow, rated	: 158.8 USgpm
Service	:	Stages	: 1	Head, rated	: 67.12 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 4.48 ft
Quote number	: 25068	Based on curve number	: 2x2.5x12 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:06 PM	Efficiency	: 62.66 %	Viscosity	: 1.00 cP
		Power, rated	: 4.29 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 3 x 4 x 12 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x12 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:13 PM

Operating Conditions		Liquid	
Flow, rated	: 503.3 USgpm	Liquid type	: Water
Head, rated (requested)	: 154.1 ft	Additional liquid description	:
Head, rated (actual)	: 154.1 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 8.25 in	Maximum working pressure	: 74.44 psi.g
Efficiency	: 75.50 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 52.05 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 8.86 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 898 / 7,637 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 172.0 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 11.66 %	Service factor	: 1.00
Flow, best eff. point	: 503.3 USgpm	Power, hydraulic	: 19.58 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 25.93 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 33.82 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 30.00 hp / 22.37 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 3 x 4 x 12 4P	Flow, rated	: 503.3 USgpm
Service	:	Stages	: 1	Head, rated	: 154.1 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 8.86 ft
Quote number	: 25068	Based on curve number	: 3x4x12 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:13 PM	Efficiency	: 75.50 %	Viscosity	: 1.00 cP
		Power, rated	: 25.93 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Item number	: 001	Size	: 3 x 4 x 12 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 3x4x12 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:11 PM

Operating Conditions

Flow, rated	: 345.8 USgpm
Head, rated (requested)	: 67.01 ft
Head, rated (actual)	: 67.01 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed	: 1150 rpm
Impeller dia.	: 12.00 in
Impeller diameter, maximum	: 12.00 in
Impeller diameter, minimum	: 8.25 in
Efficiency	: 75.95 %
True Weighted Efficiency	: 48.20 %
NPSH required / margin required	: 4.27 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 914 / 7,203 US Units
MCSF	: -
Head max.	: 74.17 ft
Head rise to shutoff	: 10.82 %
Flow, best eff. point	: 345.8 USgpm
Flow ratio, rated / BEP	: 100.00 %
Diameter ratio (rated / max)	: 100.00 %
Head ratio (rated dia / max dia)	: 100.00 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 68.00 deg F
Fluid density	: 1.000 / 1.000 SG
Viscosity	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

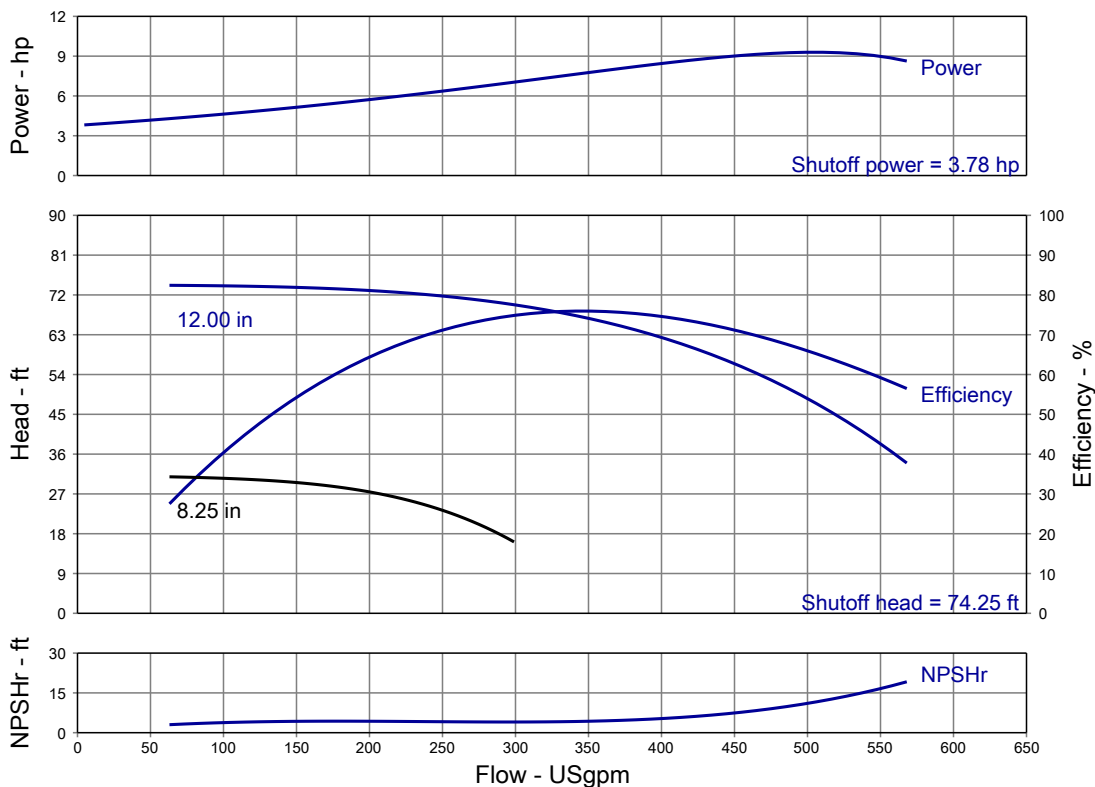
Material selected	: Standard
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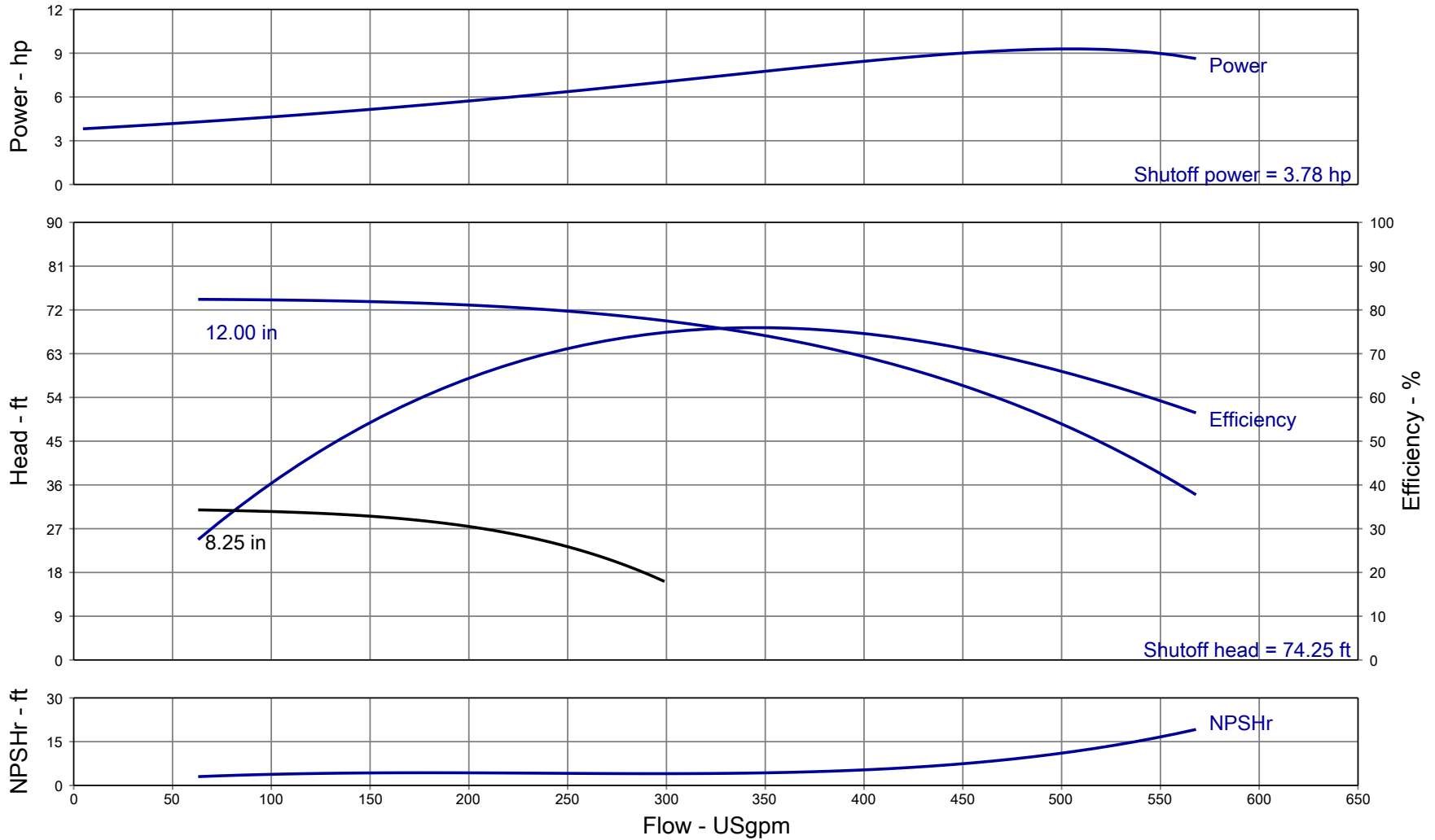
Pressure Data

Maximum working pressure	: 32.10 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 175.0 psi.g
Hydrostatic test pressure	: 265.0 psi.g

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 5.85 hp
Power, rated	: 7.70 hp
Power, maximum	: 9.30 hp
Motor rating	: 10.00 hp / 7.46 kW



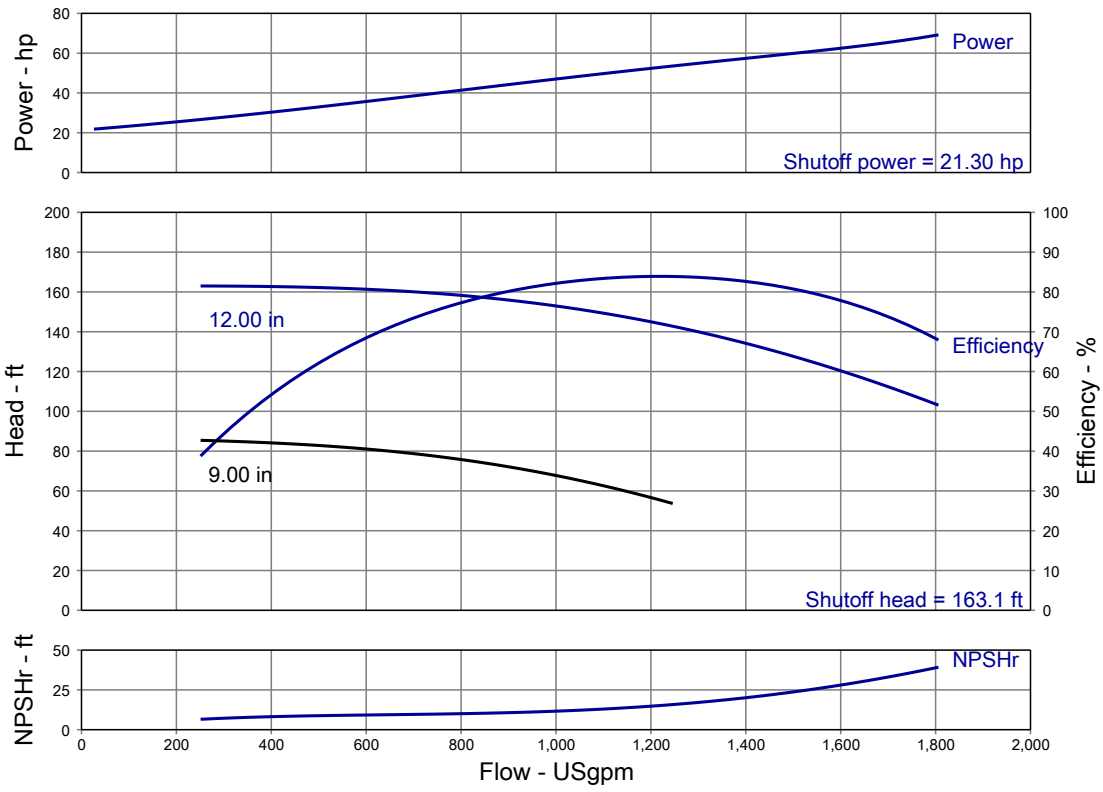


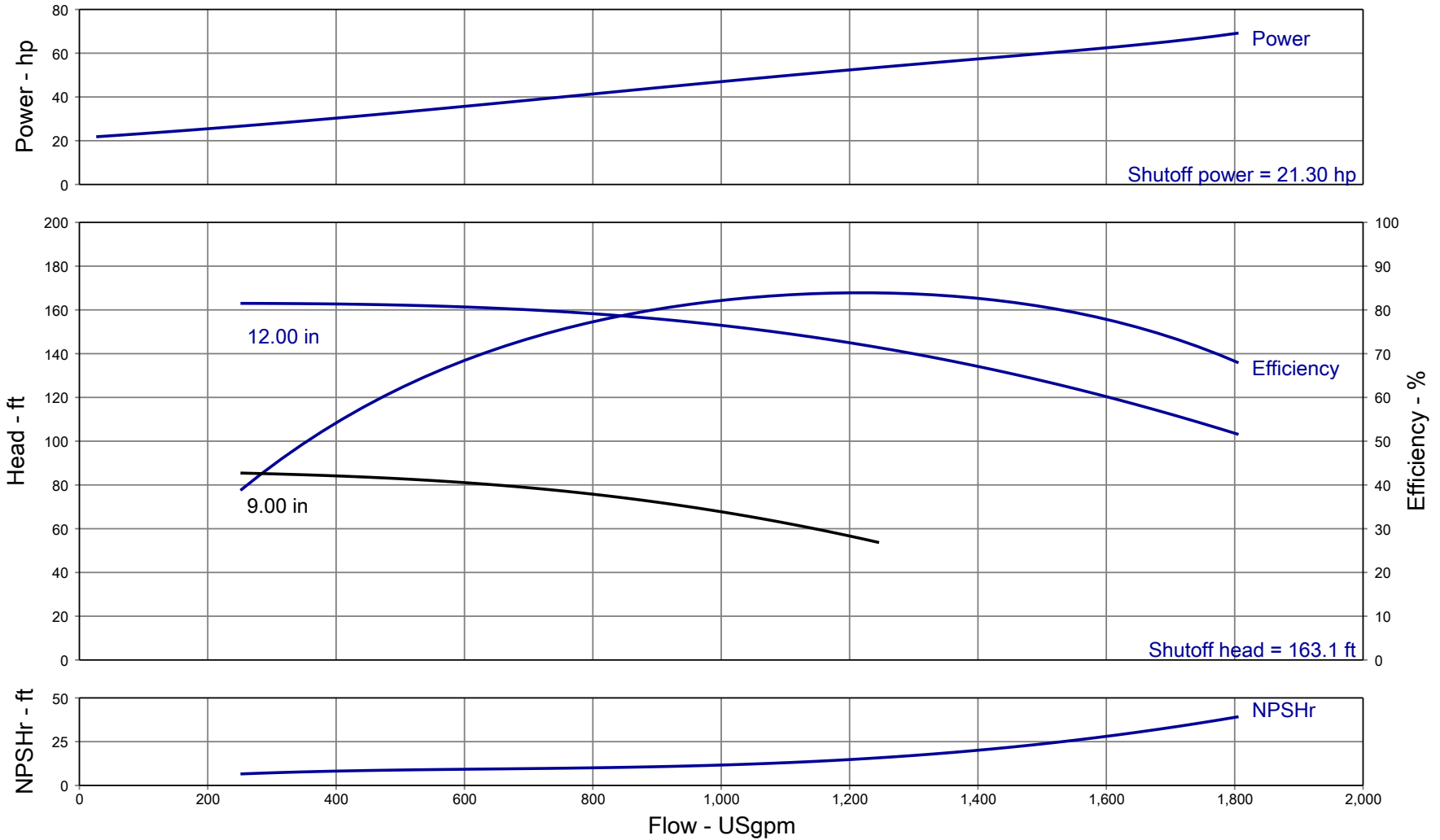
Item number	: 001	Size	: 3 x 4 x 12 6P	Flow, rated	: 345.8 USgpm
Service	:	Stages	: 1	Head, rated	: 67.01 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 4.27 ft
Quote number	: 25068	Based on curve number	: 3x4x12 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:11 PM	Efficiency	: 75.95 %	Viscosity	: 1.00 cP
		Power, rated	: 7.70 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 5 x 6 x 12 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 5x6x12 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:16 PM

Operating Conditions		Liquid	
Flow, rated	: 1,218.6 USgpm	Liquid type	: Water
Head, rated (requested)	: 144.1 ft	Additional liquid description	:
Head, rated (actual)	: 144.1 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 9.00 in	Maximum working pressure	: 70.54 psi.g
Efficiency	: 83.92 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 57.82 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 15.16 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,470 / 7,944 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 163.0 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 13.15 %	Service factor	: 1.00
Flow, best eff. point	: 1,218.6 USgpm	Power, hydraulic	: 44.34 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 52.84 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 69.20 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 60.00 hp / 44.74 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



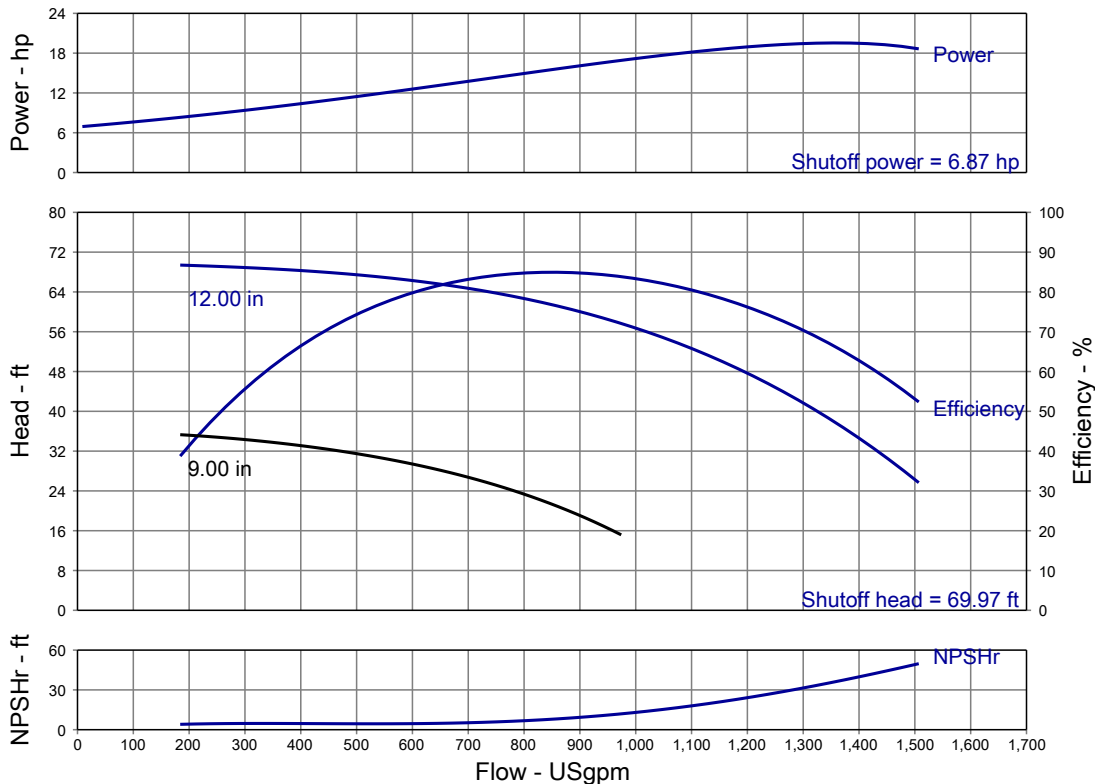


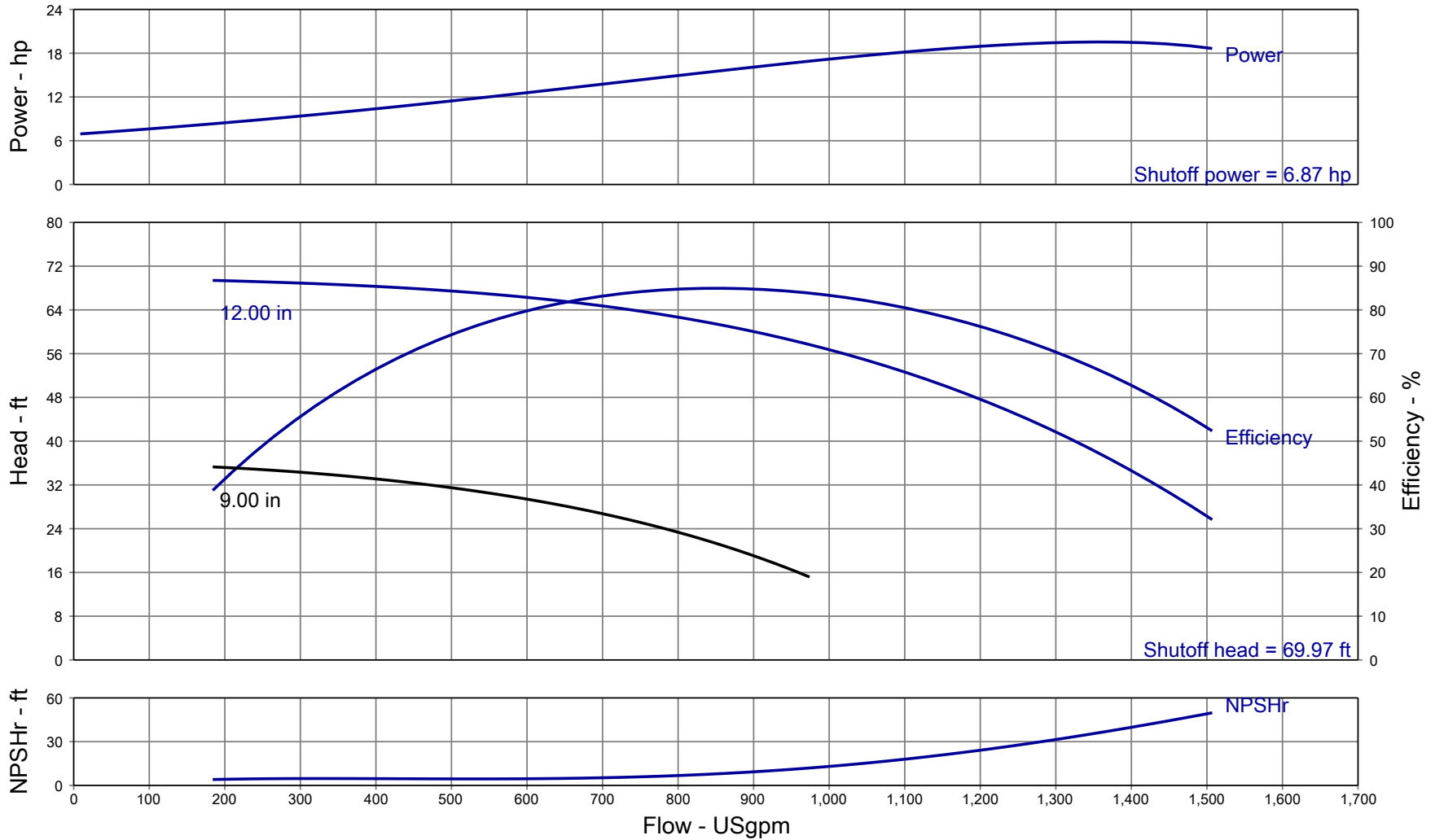
Item number	: 001	Size	: 5 x 6 x 12 4P	Flow, rated	: 1,218.6 USgpm
Service	:	Stages	: 1	Head, rated	: 144.1 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 15.16 ft
Quote number	: 25068	Based on curve number	: 5x6x12 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:16 PM	Efficiency	: 83.92 %	Viscosity	: 1.00 cP
		Power, rated	: 52.84 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 5 x 6 x 12 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 5x6x12 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:14 PM

Operating Conditions		Liquid	
Flow, rated	: 850.6 USgpm	Liquid type	: Water
Head, rated (requested)	: 61.42 ft	Additional liquid description	:
Head, rated (actual)	: 61.42 ft	Solids diameter, max	: 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	: 1150 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 9.00 in	Maximum working pressure	: 30.03 psi.g
Efficiency	: 84.95 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 56.76 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 7.92 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,528 / 7,114 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 69.40 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 13.93 %	Service factor	: 1.00
Flow, best eff. point	: 850.6 USgpm	Power, hydraulic	: 13.19 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 15.53 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 19.54 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 20.00 hp / 14.91 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



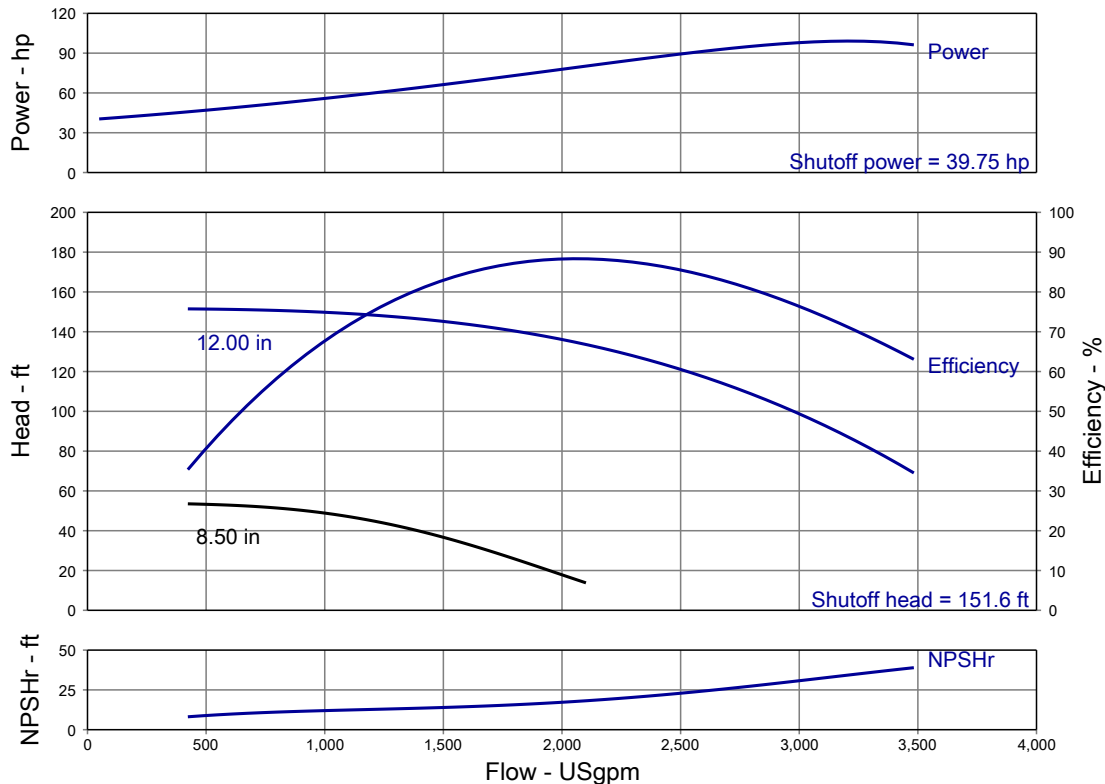


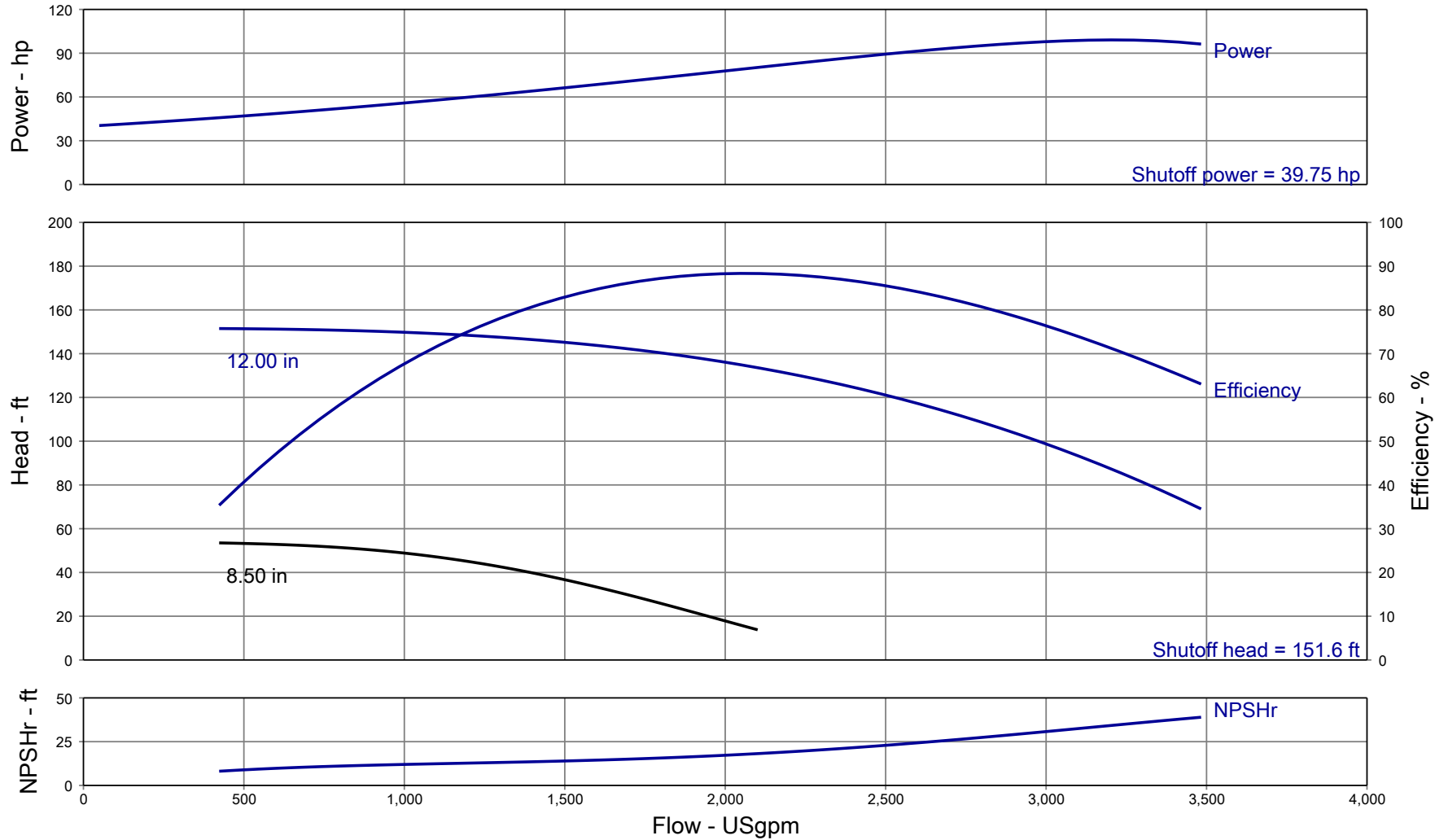
Item number	: 001	Size	: 5 x 6 x 12 6P	Flow, rated	: 850.6 USgpm
Service	:	Stages	: 1	Head, rated	: 61.42 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 7.92 ft
Quote number	: 25068	Based on curve number	: 5x6x12 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:14 PM	Efficiency	: 84.95 %	Viscosity	: 1.00 cP
		Power, rated	: 15.53 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 6 x 6 x 12B 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 6x6x12B 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:19 PM

Operating Conditions		Liquid	
Flow, rated	: 2,062.1 USgpm	Liquid type	: Water
Head, rated (requested)	: 134.6 ft	Additional liquid description	:
Head, rated (actual)	: 134.6 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 8.50 in	Maximum working pressure	: 65.56 psi.g
Efficiency	: 88.35 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 55.93 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 17.79 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,012 / 9,171 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 151.5 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 12.68 %	Service factor	: 1.00
Flow, best eff. point	: 2,062.1 USgpm	Power, hydraulic	: 70.06 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 79.31 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 99.11 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 100 hp / 74.57 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



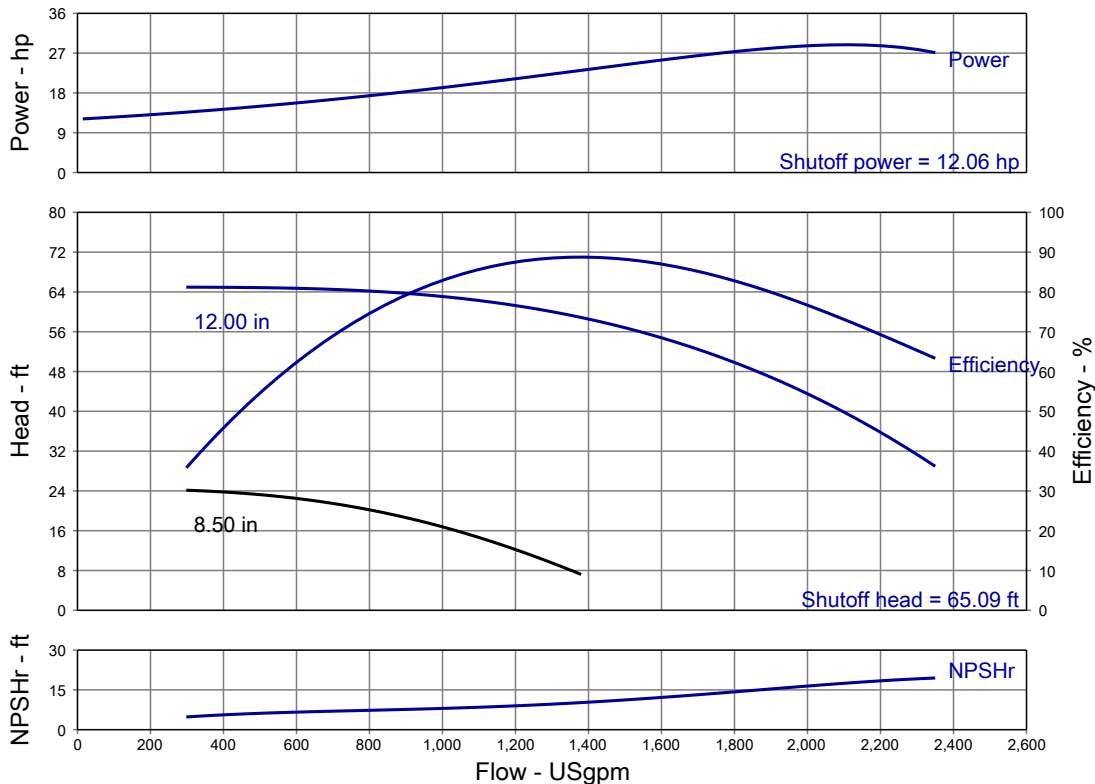


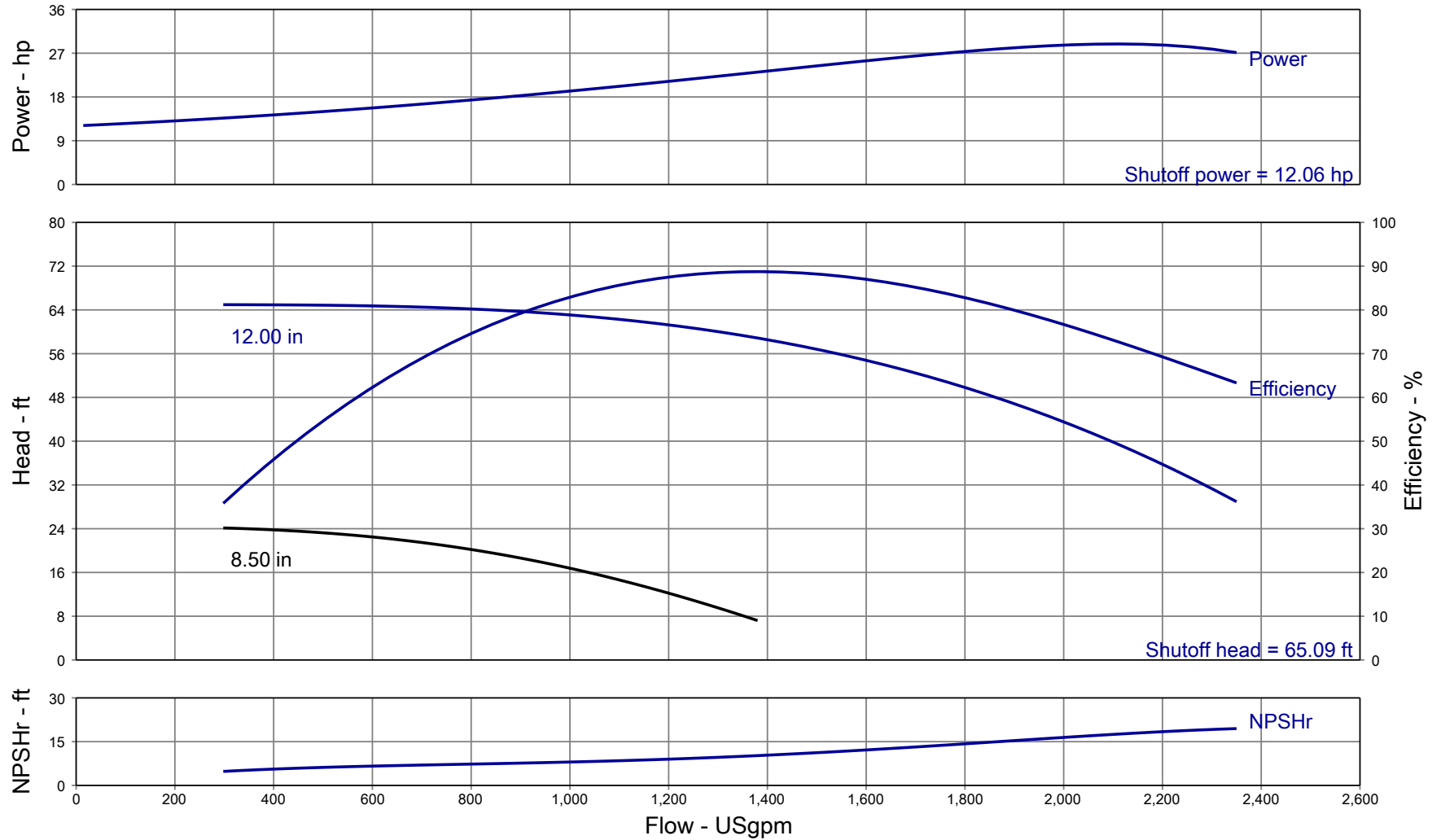
Item number	: 001	Size	: 6 x 6 x 12B 4P	Flow, rated	: 2,062.1 USgpm
Service	:	Stages	: 1	Head, rated	: 134.6 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 17.79 ft
Quote number	: 25068	Based on curve number	: 6x6x12B 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:19 PM	Efficiency	: 88.35 %	Viscosity	: 1.00 cP
		Power, rated	: 79.31 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 6 x 6 x 12B 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 6x6x12B 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:18 PM

Operating Conditions		Liquid	
Flow, rated	: 1,378.0 USgpm	Liquid type	: Water
Head, rated (requested)	: 58.89 ft	Additional liquid description	:
Head, rated (actual)	: 58.89 ft	Solids diameter, max	: 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	: 1150 rpm	Material	
Impeller dia.	: 12.00 in	Material selected	: Standard
Impeller diameter, maximum	: 12.00 in	Pressure Data	
Impeller diameter, minimum	: 8.50 in	Maximum working pressure	: 28.11 psi.g
Efficiency	: 88.75 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 54.97 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 10.20 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,009 / 7,479 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 64.96 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 10.51 %	Service factor	: 1.00
Flow, best eff. point	: 1,378.0 USgpm	Power, hydraulic	: 20.49 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 23.09 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 28.90 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 25.00 hp / 18.64 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



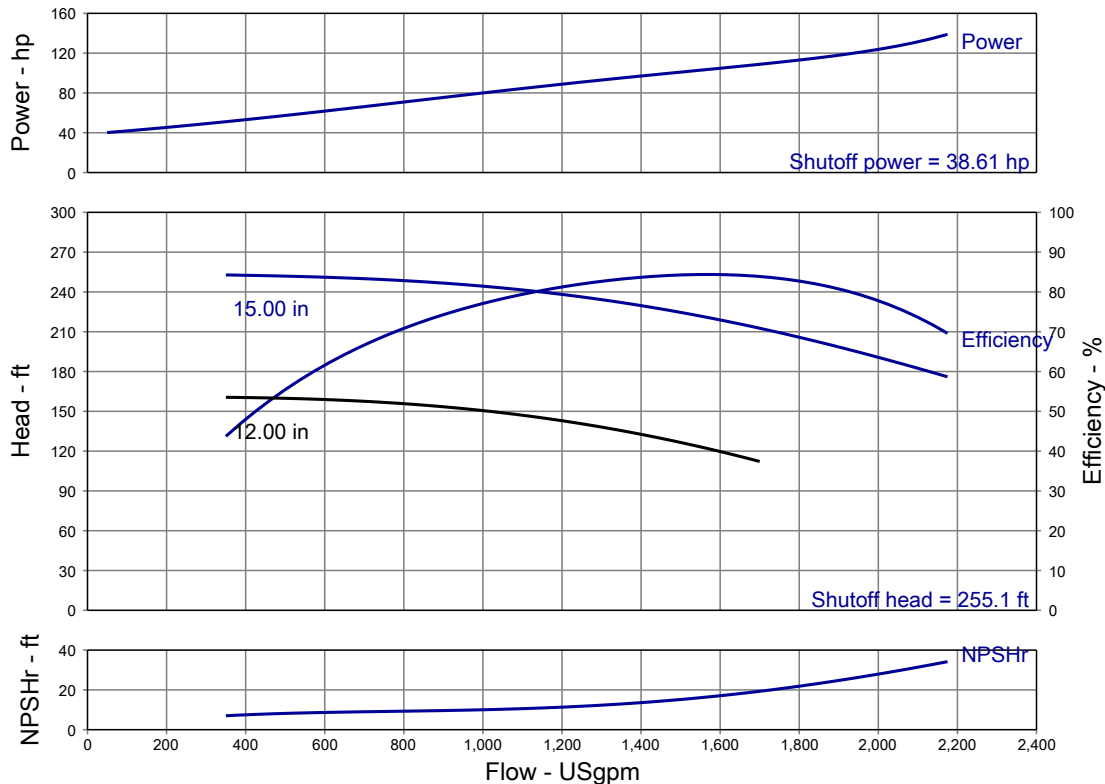


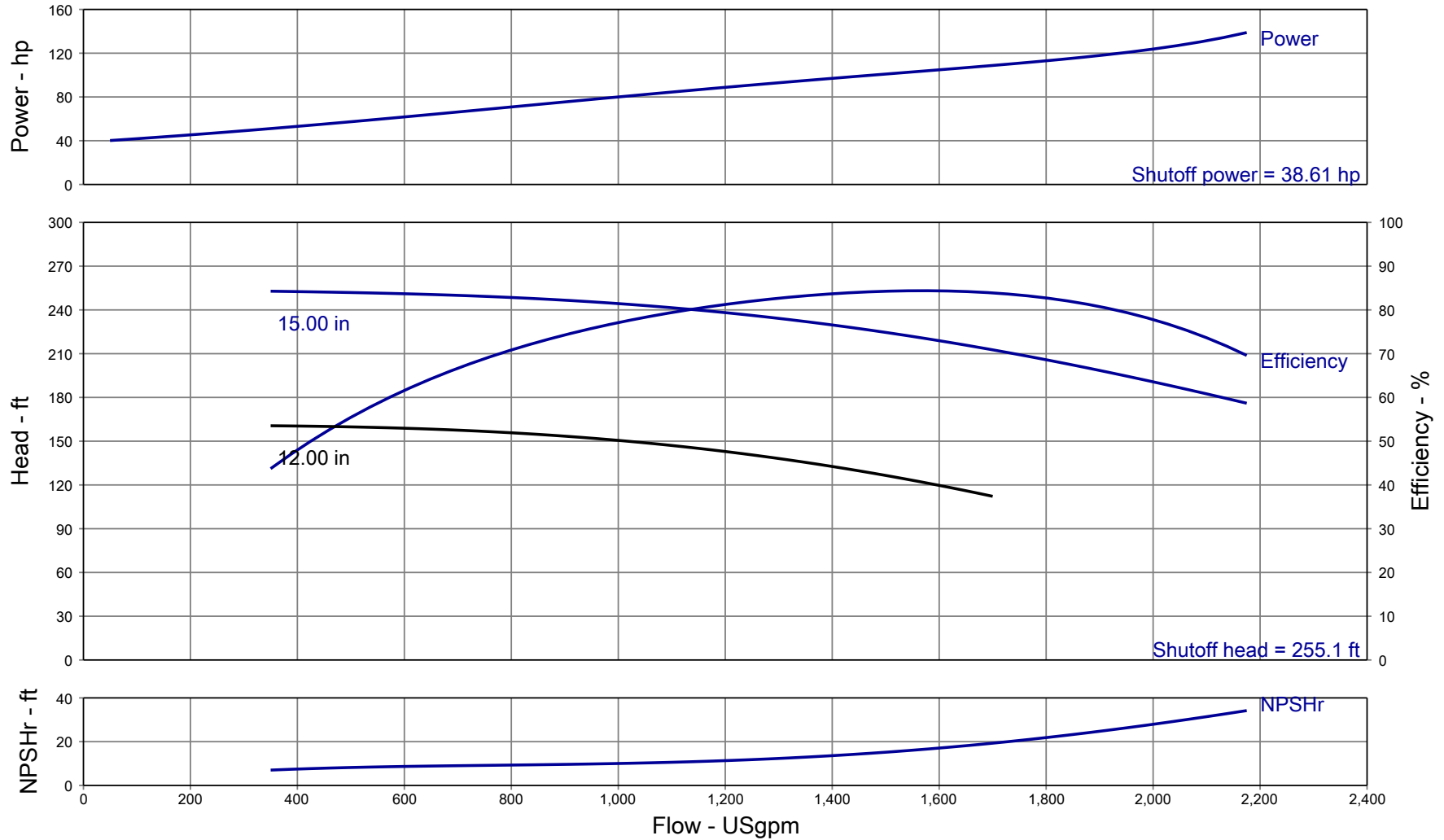
Item number	: 001	Size	: 6 x 6 x 12B 6P	Flow, rated	: 1,378.0 USgpm
Service	:	Stages	: 1	Head, rated	: 58.89 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 10.20 ft
Quote number	: 25068	Based on curve number	: 6x6x12B 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:18 PM	Efficiency	: 88.75 %	Viscosity	: 1.00 cP
		Power, rated	: 23.09 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 5 x 6 x 15 4P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 5x6x15 4P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:25 PM

Operating Conditions		Liquid	
Flow, rated	: 1,568.5 USgpm	Liquid type	: Water
Head, rated (requested)	: 220.7 ft	Additional liquid description	:
Head, rated (actual)	: 220.7 ft	Solids diameter, max	: 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	: 1750 rpm	Material	
Impeller dia.	: 15.00 in	Material selected	: Standard
Impeller diameter, maximum	: 15.00 in	Pressure Data	
Impeller diameter, minimum	: 12.00 in	Maximum working pressure	: 109.4 psi.g
Efficiency	: 84.39 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 59.81 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 16.44 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,211 / 8,480 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 252.8 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 15.56 %	Service factor	: 1.00
Flow, best eff. point	: 1,568.5 USgpm	Power, hydraulic	: 87.41 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 104 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 139 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 125 hp / 93.21 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		



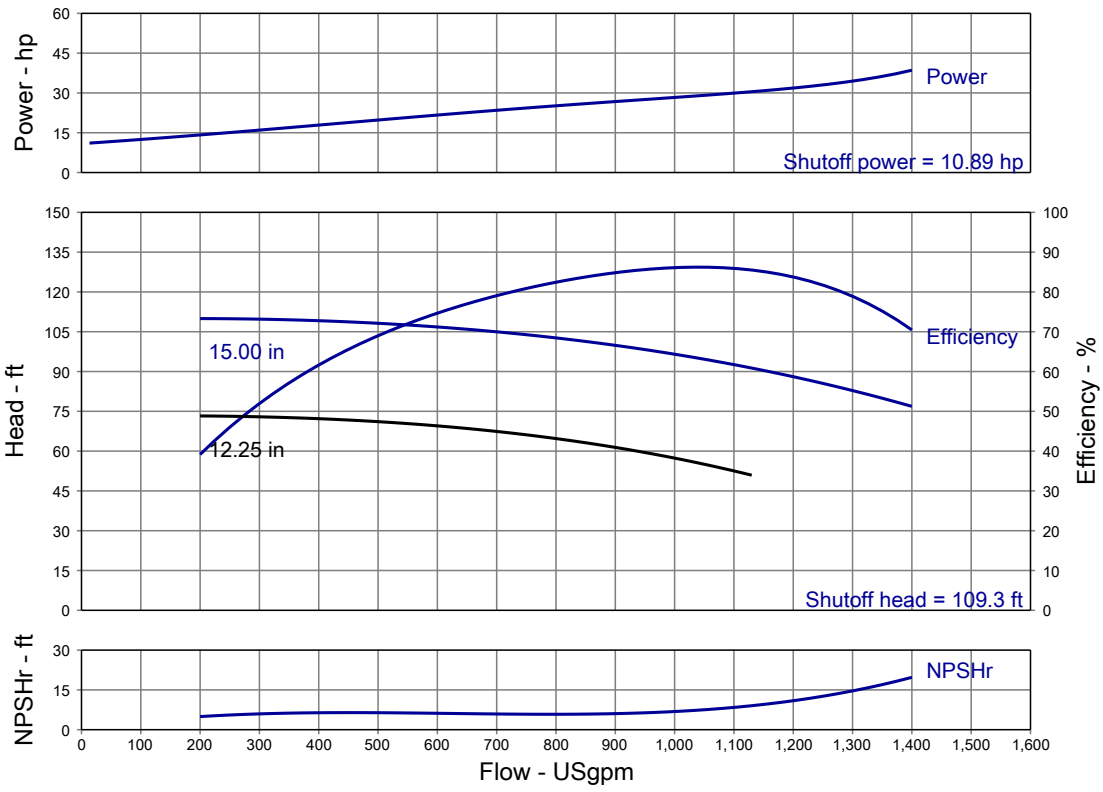


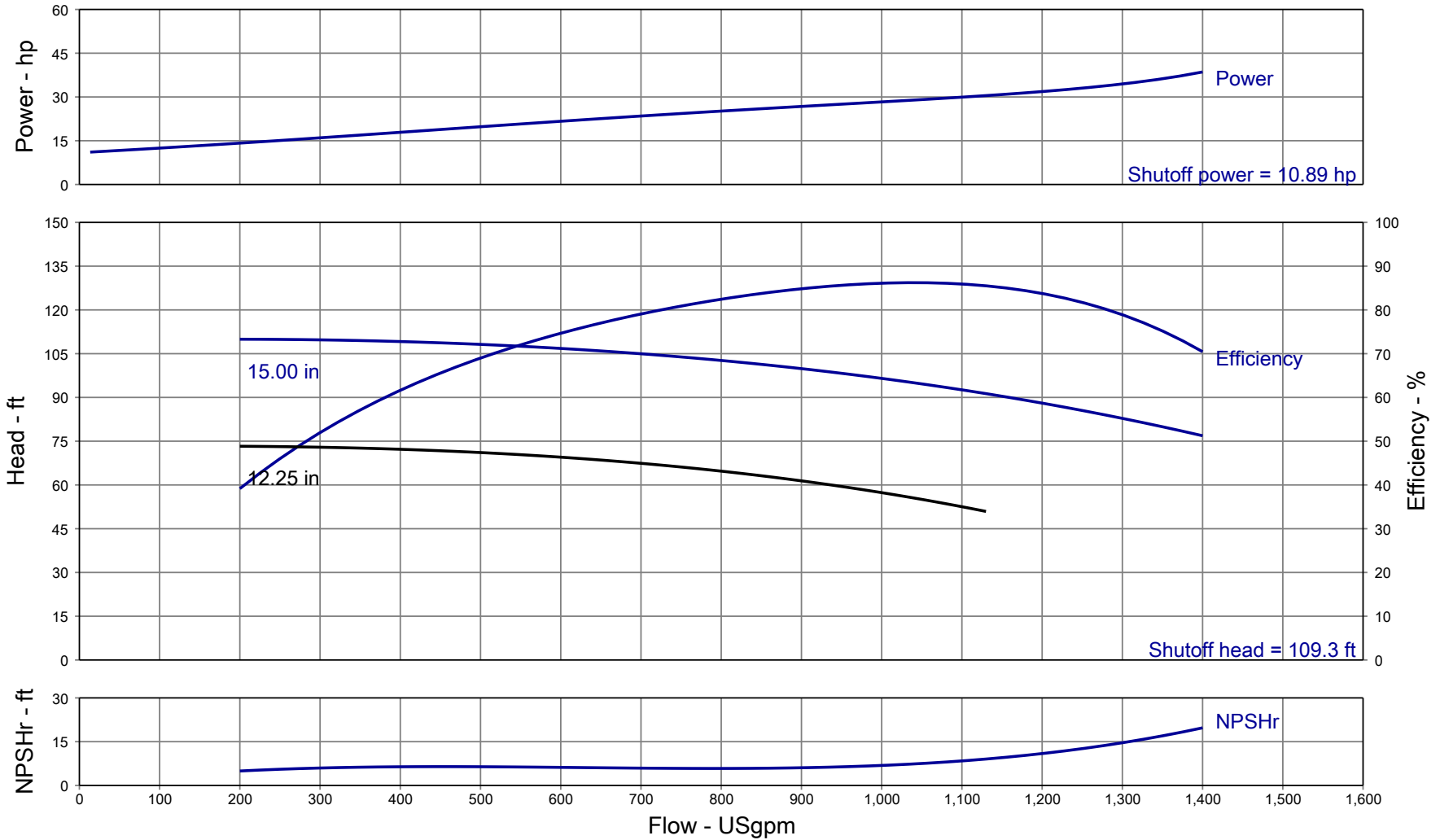
Item number	: 001	Size	: 5 x 6 x 15 4P	Flow, rated	: 1,568.5 USgpm
Service	:	Stages	: 1	Head, rated	: 220.7 ft
Quantity	: 1	Speed	: 1750 rpm	NPSH required	: 16.44 ft
Quote number	: 25068	Based on curve number	: 5x6x15 4P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:25 PM	Efficiency	: 84.39 %	Viscosity	: 1.00 cP
		Power, rated	: 104 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00



Item number	: 001	Size	: 5 x 6 x 15 6P
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: 5x6x15 6P
Quote number	: 25068	Date last saved	: 27 Oct 2022 9:21 PM

Operating Conditions		Liquid	
Flow, rated	: 1,040.1 USgpm	Liquid type	: Water
Head, rated (requested)	: 95.02 ft	Additional liquid description	:
Head, rated (actual)	: 95.02 ft	Solids diameter, max	: 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	: 1150 rpm	Material	
Impeller dia.	: 15.00 in	Material selected	: Standard
Impeller diameter, maximum	: 15.00 in	Pressure Data	
Impeller diameter, minimum	: 12.25 in	Maximum working pressure	: 47.59 psi.g
Efficiency	: 86.23 %	Maximum allowable working pressure	: 175.0 psi.g
True Weighted Efficiency	: 59.89 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 7.37 / 0.00 ft	Hydrostatic test pressure	: 265.0 psi.g
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,219 / 8,296 US Units	Driver & Power Data (@Max density)	
MCSF	: -	Driver sizing specification	: Rated power
Head max.	: 110.0 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 15.06 %	Service factor	: 1.00
Flow, best eff. point	: 1,040.1 USgpm	Power, hydraulic	: 24.95 hp
Flow ratio, rated / BEP	: 100.00 %	Power, rated	: 28.94 hp
Diameter ratio (rated / max)	: 100.00 %	Power, maximum	: 38.56 hp
Head ratio (rated dia / max dia)	: 100.00 %	Motor rating	: 30.00 hp / 22.37 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		





Item number	: 001	Size	: 5 x 6 x 15 6P	Flow, rated	: 1,040.1 USgpm
Service	:	Stages	: 1	Head, rated	: 95.02 ft
Quantity	: 1	Speed	: 1150 rpm	NPSH required	: 7.37 ft
Quote number	: 25068	Based on curve number	: 5x6x15 6P	Fluid density	: 1.000 / 1.000 SG
Date last saved	: 27 Oct 2022 9:21 PM	Efficiency	: 86.23 %	Viscosity	: 1.00 cP
		Power, rated	: 28.94 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00