

Pump Performance Datasheet

Customer :	Quote Number / ID :	1471203
Customer ref. / PO :	Model :	25709 VL
Tag Number : 001	Stages :	1
Service :	Based on curve number :	VL_25709_2P Rev May22
Quantity : 1	Basic model number :	-
	Date last saved :	11/03/2023 5:54 PM

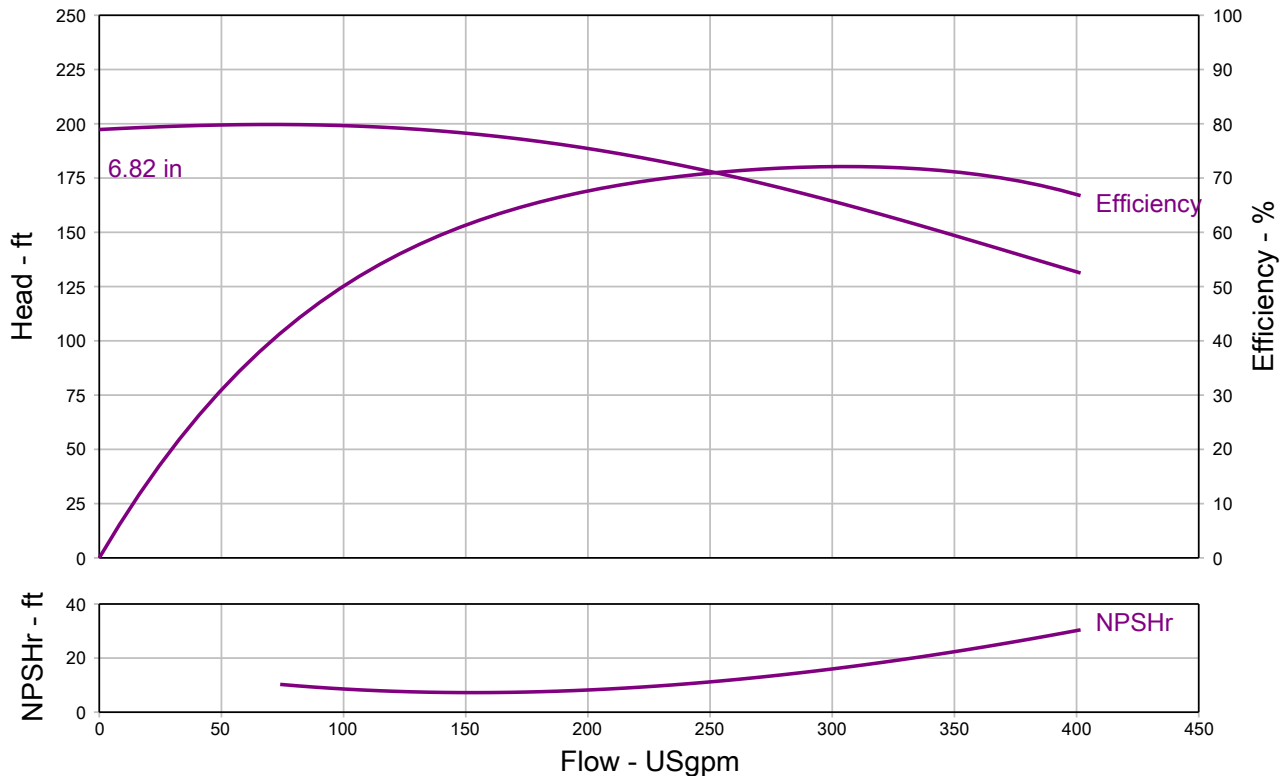
Operating Conditions		Liquid	
Flow, rated	: 305.3 USgpm	Liquid type	: Cold Water
Differential head / pressure, rated (requested)	: 162.8 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 162.8 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Site Supply Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG

Performance		Material	
Speed, rated	: 3530 rpm	Material selected	: Ductile iron
Impeller diameter, rated	: 6.82 in		
Impeller diameter, maximum	: 7.10 in		
Impeller diameter, minimum	: 5.00 in		

Performance		Pressure Data	
Efficiency	: 72.12 %	Maximum working pressure	: 86.41 psi.g
NPSH required / margin required	: 16.59 / 0.00 ft	Maximum allowable working pressure	: 400.0 psi.g
nq (imp. eye flow) / S (imp. eye flow)	: 26 / 132 Metric units	Maximum allowable suction pressure	: 400.0 psi.g
MCSF	: 88.76 USgpm	Hydrostatic test pressure	: 600.0 psi.g
Head, maximum, rated diameter	: 199.7 ft		
Head rise to shutoff	: 21.23 %		

Performance		Driver & Power Data (@Max density)	
Flow, best eff. point	: 305.3 USgpm	Motor sizing specification	: Max power (non-overloading)
Flow ratio, rated / BEP	: 100.00 %	Margin over specification	: 0.00 %
Diameter ratio (rated / max)	: 96.06 %	Service factor	: 1.00
Head ratio (rated dia / max dia)	: 88.03 %	Power, hydraulic	: 12.55 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Rated power (based on duty point)	: 17.40 hp
Selection status	: Acceptable	Max power (non-overloading)	: 19.93 hp
		Nameplate motor rating	: 20.00 hp / 14.91 kW

Energy Indexes	
PEI (CL)	: 0.93
ER (CL)	: 7



Grundfos Series VL - In-Line Centrifugal Pump, Close Coupled

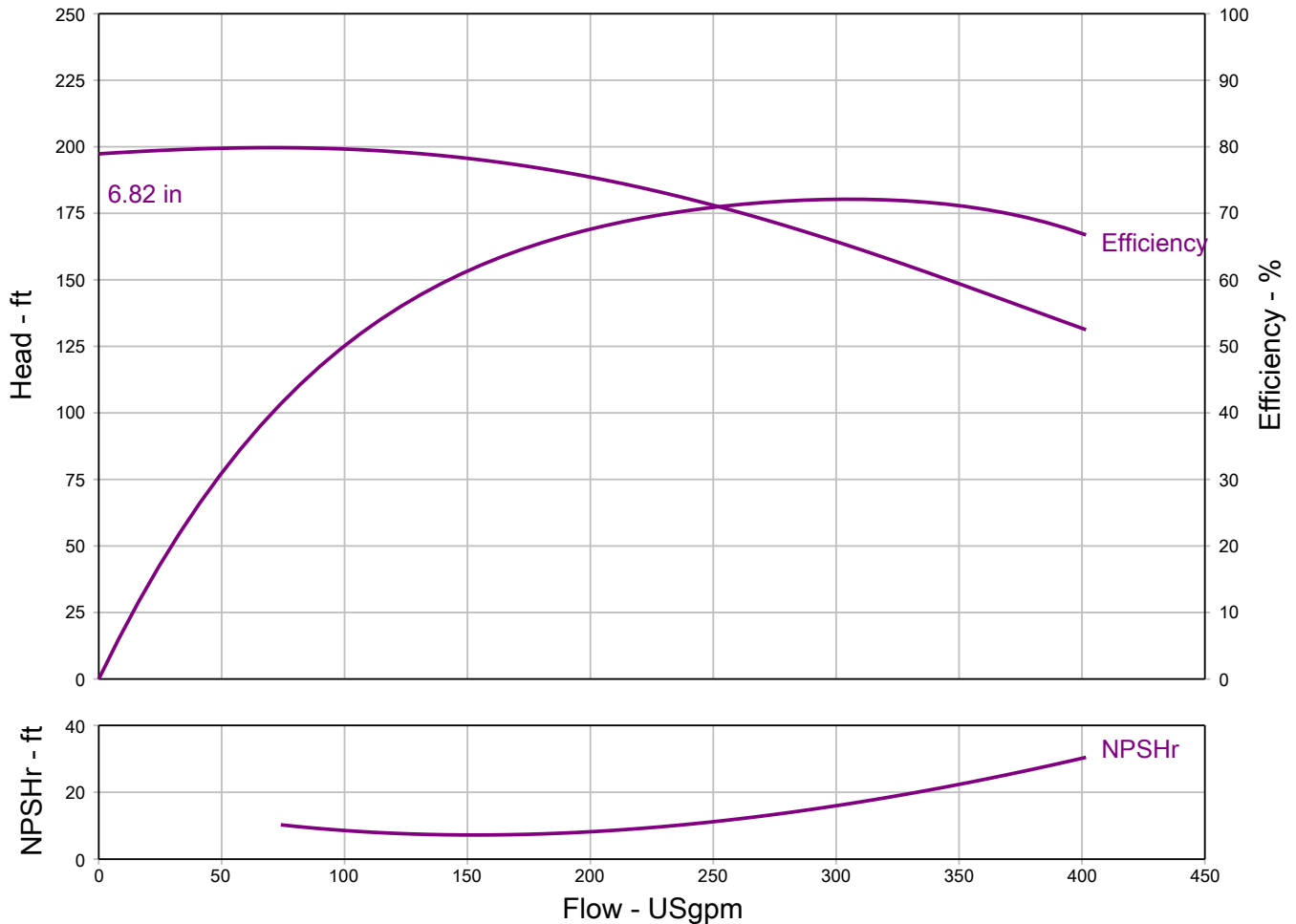
QUOTE NUMBER / ID 1471203	UNIT TAG 001	QUANTITY 1
REPRESENTATIVE	SERVICE	
ENGINEER	SUBMITTED BY	DATE
CONTRACTOR	APPROVED BY	DATE
	ORDER #	DATE



VL 25709
3530 rpm

Part Number N/A

Conditions of Service		Pump Data		Motor Data	
Flow	305.3 USgpm	Impeller Diameter	6.82 in	Motor HP	20 HP
Head	162.8 ft	Max. Imp. Dia.	7.10 in	BHP	17.4 HP
Liquid	Cold Water	Min. Imp. Dia.	5.00 in	Enclosure	TEFC
Temperature	68.00 deg F	Efficiency	72.12 %	Voltage	230/460 V
NPSHr	16.59 ft	Suction	-1 in.	Phase	3 Phase
Viscosity	1.00 cP	Discharge	-1 in.	Cycle	60
Specific Gravity	1.000 SG	PEI (CL)	0.93	Frame Size	
		ER (CL)	7		



QUOTE NUMBER / ID 1471203

UNIT TAG 001

VL 25709

Grundfos Series VL - In-Line Centrifugal Pump, Close Coupled

NOT FOR CONSTRUCTION, unless certified and referenced on order

Units	Frame	S x D	AG (Max)	DC	DD	DE	E	P (Max)	X	YY	Weight
inches			-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	TBD