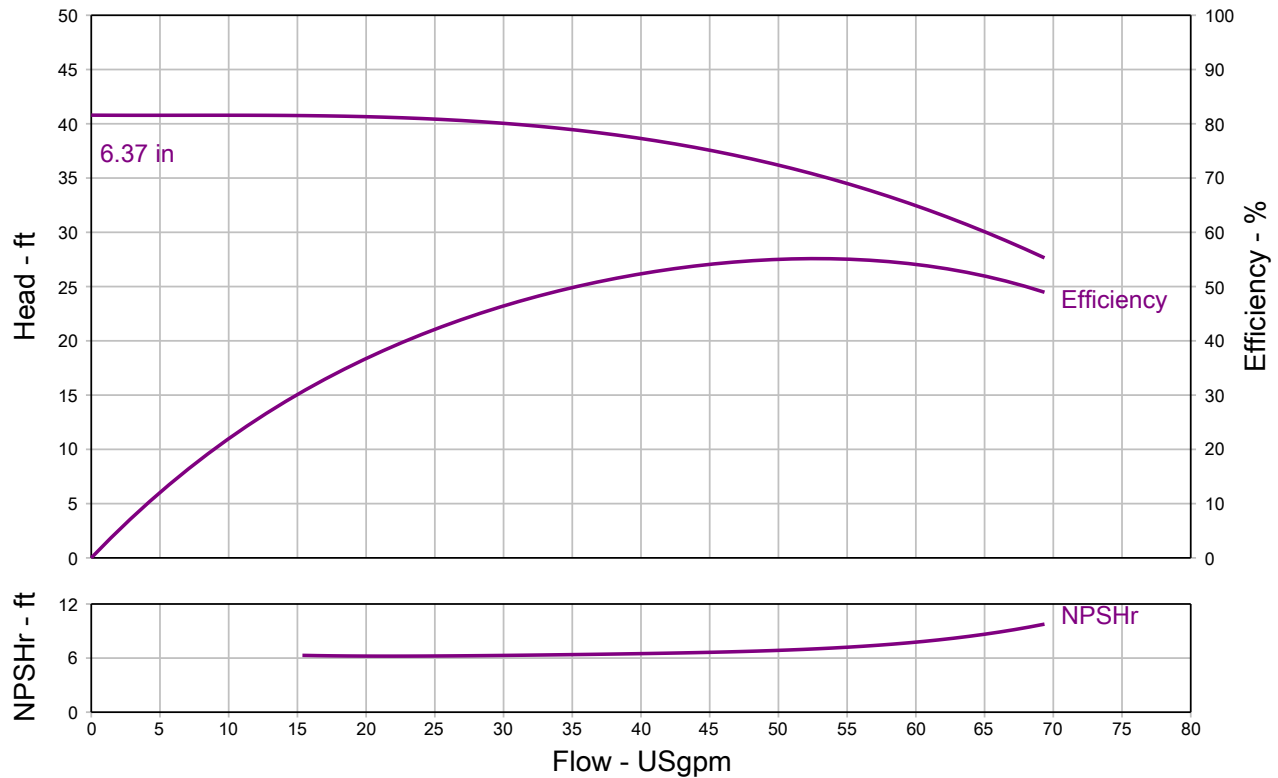


Pump Performance Datasheet

Customer :	Quote Number / ID :	1471203
Customer ref. / PO :	Model :	12707 VL
Tag Number : 001	Stages :	1
Service :	Based on curve number :	VL_12707_4P Rev 0
Quantity : 1	Basic model number :	-
	Date last saved :	11/06/2023 1:51 PM

Operating Conditions		Liquid	
Flow, rated	: 52.72 USgpm	Liquid type	: Cold Water
Differential head / pressure, rated (requested)	: 35.31 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 35.46 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
		Viscosity, rated	: 1.00 cP
		Vapor pressure, rated	: 0.34 psi.a
Performance		Material	
Speed, rated	: 1730 rpm	Material selected	: Cast iron - 125#
Impeller diameter, rated	: 6.37 in	Pressure Data	
Impeller diameter, maximum	: 7.10 in	Maximum working pressure	: 17.65 psi.g
Impeller diameter, minimum	: 4.50 in	Maximum allowable working pressure	: 175.0 psi.g
Efficiency	: 55.15 %	Maximum allowable suction pressure	: 175.0 psi.g
NPSH required / margin required	: 7.02 / 0.00 ft	Hydrostatic test pressure	: 263.0 psi.g
nq (imp. eye flow) / S (imp. eye flow)	: 15 / 56 Metric units	Driver & Power Data (@Max density)	
MCSF	: 16.27 USgpm	Motor sizing specification	: Max power (non-overloading)
Head, maximum, rated diameter	: 40.79 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 15.53 %	Service factor	: 1.00
Flow, best eff. point	: 52.72 USgpm	Power, hydraulic	: 0.47 hp
Flow ratio, rated / BEP	: 100.00 %	Rated power (based on duty point)	: 0.85 hp
Diameter ratio (rated / max)	: 89.72 %	Max power (non-overloading)	: 0.99 hp
Head ratio (rated dia / max dia)	: 74.71 %	Nameplate motor rating	: 1.00 hp / 0.75 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 0.99 / 1.00		
Selection status	: Acceptable		
Energy Indexes			
PEI (CL)	: 0.86		
ER (CL)	: 14		



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

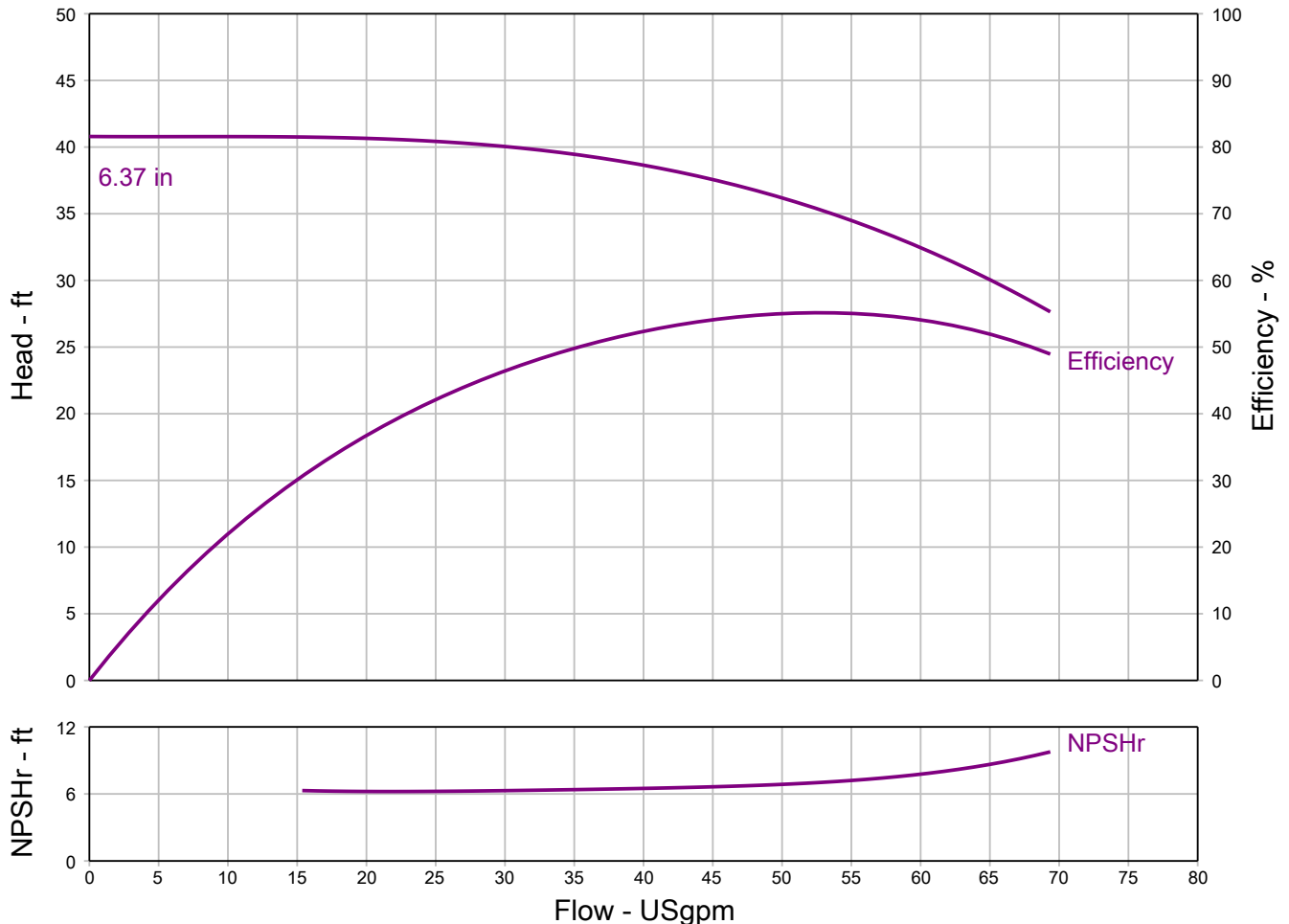
QUOTE NUMBER / ID 1471203	UNIT TAG 001	QUANTITY 1
REPRESENTATIVE	SERVICE	
ENGINEER	SUBMITTED BY	DATE
CONTRACTOR	APPROVED BY	DATE
	ORDER #	DATE



VL 12707
1730 rpm

Part Number N/A

Conditions of Service		Pump Data		Motor Data	
Flow	52.72 USgpm	Impeller Diameter	6.36 in	Motor HP	1 HP
Head	35.31 ft	Max. Imp. Dia.	7.10 in	BHP	0.85 HP
Liquid	Cold Water	Min. Imp. Dia.	4.50 in	Enclosure	TEFC
Temperature	68.00 deg F	Efficiency	55.15 %	Voltage	230/460 V
NPSHr	7.02 ft	Suction	1.25 in.	Phase	3 Phase
Viscosity	1.00 cP	Discharge	1.25 in.	Cycle	60
Specific Gravity	1.000 SG	PEI (CL)	0.86	Frame Size	143JM
		ER (CL)	14		

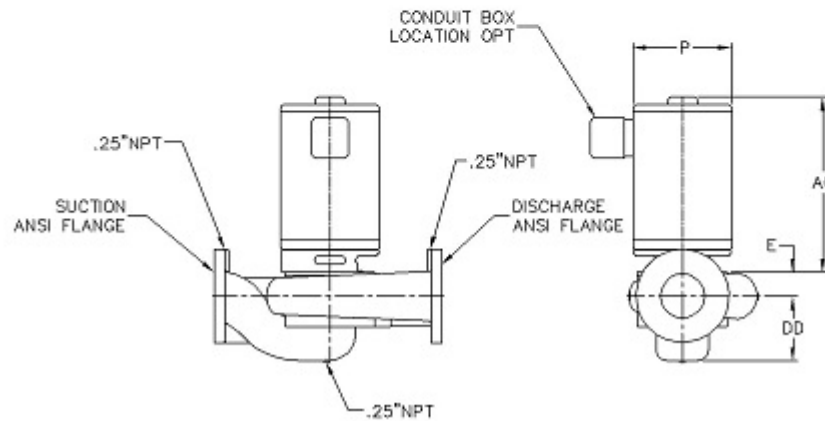


Grundfos Series VL - In-Line Centrifugal Pump, Close Coupled

Do not install pump larger than 215JM in vertical piping.

Pressure and drain tap locations are approximate.

Suction and discharge flanges, are cast per 250# ANSI thickness and diameter. All flanges are flat face. Some holes may be threaded because of nut clearances.



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	143JM	1.25 X 1.25	18.00	4.19	4.13	4.38	1.63	8.00	7.00	7.00	TBD