Submittal Transmittal

Project: DCH - Ambulatory Renewal **Date:** 7/28/2021

Transmitted To:	**Transmitted By:**
Derek Shaw Heapy 1400 W Dorthy Lane Dayton, Ohio 45409 Dashaw@heapy.com	Richie Markwell Danis Building Construction Company One Children's Plaza Dayton, Ohio 45404 Phone: 937-271-7086 richard.markwell@danis.com

Submittal No.	**Submitted By:**	**Contact:**
404-232123-00	CINFAB	Jacob Degen

Specification Section	**Description**	**Status**
232123	Hyrdonic Pumps	OPEN

Submitted For	**Copies**
Approval	1

Please review & return 1 electronic copy of submittals in accordance with the contract specifications.

Danis Stamp:

REVIEWED by DANIS

Review does not relieve subcontractor or supplier from its obligation to perform its work complete, in strict accordance with the plans, specifications, subcontract, purchase order or other provisions of the contract documents. Review also does not relieve subcontractor or supplier from its responsibility for checking dimensions on the drawings and on the job or the proper matching and fitting of its work with contiguous work and the coordination its work with other work on the construction site.

Date: 7/28/2021 By: Jack Danis

Submittal No.

A/E Stamps:

REVIEWED BY HEAPY

FOR GENERAL CONFORMANCE WITH INFORMATION PRESENTED IN THE CONTRACT DOCUMENTS ONLY.

APPROVED AS SUBMITTED

BY: Derek Shaw DATE: 7/29/2021

Comments:

Product Data:

Comments:

SHEET METAL FABRICATION AND INSTALLATION

SUBMITTAL DATA

Project: Dayton Children's Hospital Ambulatory

Project No.: 21113841

Construction Manager: Danis Construction

Architect/Engineer: Champlin/Heapy

Submittal For: Hydronic Pumps

Specification #: 23 21 23

Supplier: TJ Dyer

Contact Name & Phone #: Jamey Varney

The attached submittal data has been reviewed by CINFAB for compliance with the Architect/Engineer's specifications and plan schedule for this project.

In order to maintain the project schedule, we request that this submittal be returned to CINFAB **within 10 days**.

NOTE: Material cannot be released without Architect/Engineer's approval of submittal.

Reviewed By: Jake Degen **Date: July 23, 2021**

(Please place stamp of approval here)

5240 Lester Road ♦ Cincinnati, OH 45213 ♦ 513-396-6100 ♦ FAX 513-396-7574

SUBMITTED FOR APPROVAL

PROJECT: Dayton Children's Ambulatory Renewal Project

ARCHITECT/ENGINEER: Champlin Architecture

CONST. MANAGER: Cinfab

DYER PROJECT NUMBER: 21113840

SPEC. SECTION: 232123 – Hydronic Pumps

T J DYER SUBMITTAL NO:1138-014

ITEM: Hydronic Pumps

SUBMITTED BY: Jamey Varney

DATE: 07/23/2021

REQUIRED BY: 07/30/2021

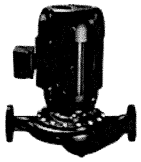
5240 Lester Road • Cincinnati, OH 45213 • 513-321-8100 Phone • 513-842-4101 fax • www.tjdyer.com

GRUNDFOS

SUBMITTAL

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

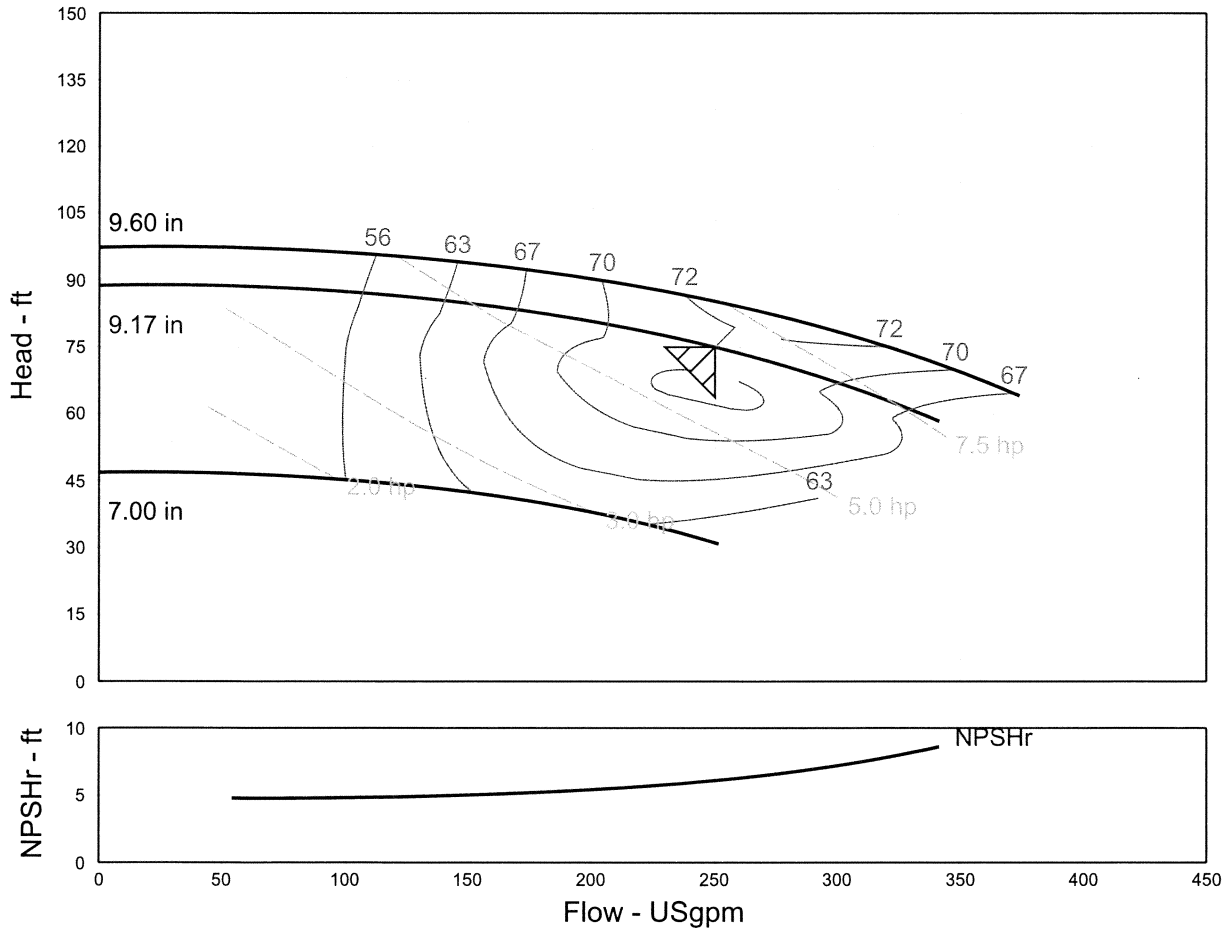
QUOTE NUMBER / ID 1347955		UNIT TAG HWP-1, 2	QUANTITY 2
		SERVICE 232123	
REPRESENTATIVE	HWP-26, HWP-27	SUBMITTED BY	DATE
ENGINEER		APPROVED BY	DATE
CONTRACTOR		ORDER #	DATE



VL 30957
1760 rpm

Part Number N/A

Conditions of Service		Pump Data		Motor Data	
Flow	250.0 USgpm	Impeller Diameter	9.16 in	Motor HP	10 HP
Head	75.00 ft	Max. Imp. Dia.	9.60 in	BHP	6.63
Liquid	Cold Water	Min. Imp. Dia.	7.00 in	Enclosure	ODP
Temperature	68.00 deg F	Efficiency	71.42 %	Voltage	230/460 V
NPSHr	6.09 ft	Suction	3 in.	Phase	3 Phase
Viscosity	1.00 cP	Discharge	3 in.	Cycle	60
Specific Gravity	1.000 SG	PEI (CL)	0.94	Frame Size	215JM
		ER (CL)	6		



GRUNDFOS

SUBMITTAL

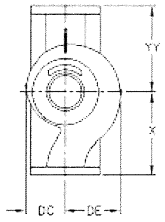
QUOTE NUMBER / ID 1347955 **UNIT TAG HWP-1, 2** **VL 30957**

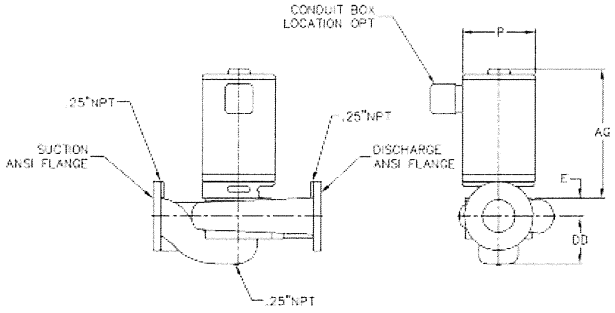
Grundfos Series VL - In-Line Centrifugal Pump, Close Coupled

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

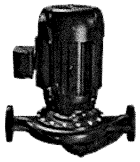
Units	Frame	S x D	AG (Max)	DC	DD	DE	E	P (Max)	X	YY	Weight
inches	215JM	3 X 3	22.00	6.41	6.63	8.03	2.25	12.00	10.50	10.50	TBD

GRUNDFOS

SUBMITTAL

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

QUOTE NUMBER / ID 1347955		UNIT TAG HWP-3, 4	QUANTITY 2
		SERVICE	
REPRESENTATIVE	HWP-63, HWP-64	SUBMITTED BY	DATE
ENGINEER		APPROVED BY	DATE
CONTRACTOR		ORDER #	DATE



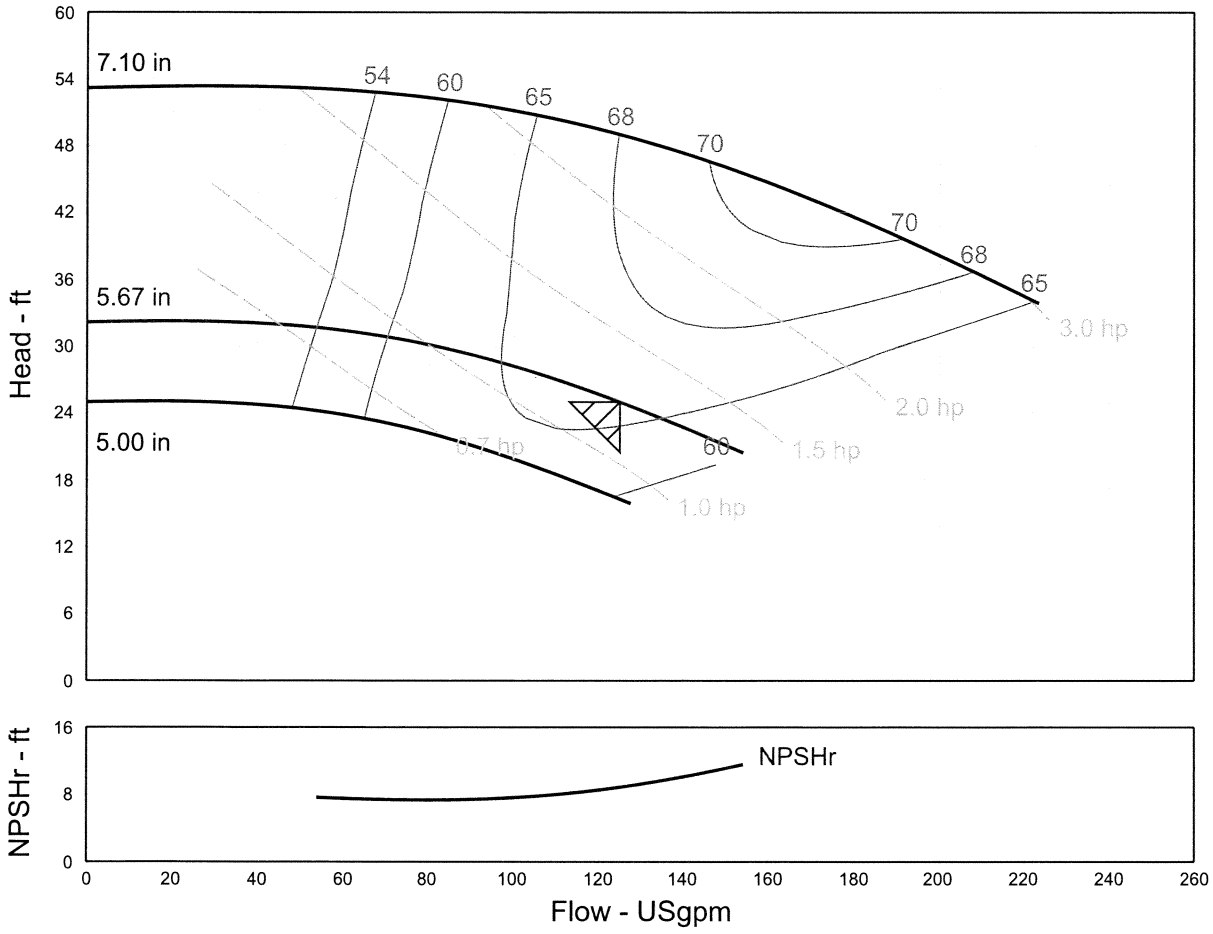
VL 25709
1760 rpm

Part Number N/A

Conditions of Service	
Flow	125.0 USgpm
Head	25.00 ft
Liquid	Hot Water
Temperature	68.00 deg F
NPSHr	8.87 ft
Viscosity	3.25 cP
Specific Gravity	1.025 SG

Pump Data	
Impeller Diameter	5.66 in
Max. Imp. Dia.	7.10 in
Min. Imp. Dia.	5.00 in
Efficiency	65.89 %
Suction	2.5 in.
Discharge	2.5 in.
PEI (CL)	0.95
ER (CL)	5

Motor Data	
Motor HP	1.5 HP
BHP	1.23
Enclosure	ODP
Voltage	230/460 V
Phase	3 Phase
Cycle	60
Frame Size	145JM



GRUNDFOS

SUBMITTAL

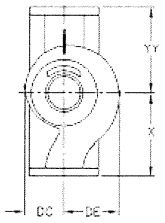
QUOTE NUMBER / ID 1347955 **UNIT TAG HWP-3, 4** **VL 25709**

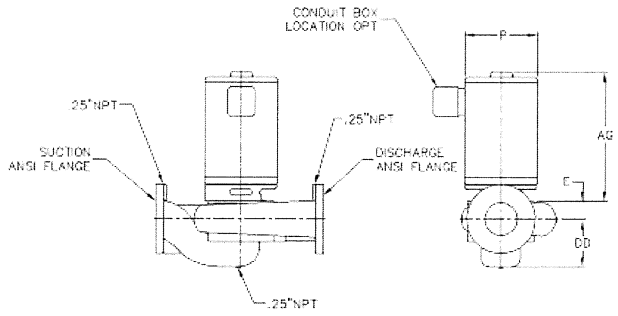
Grundfos Series VL - In-Line Centrifugal Pump, Close Coupled

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.





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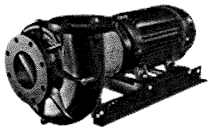
Units	Frame	S x D	AG (Max)	DC	DD	DE	E	P (Max)	X	YY	Weight
inches	145JM	2.5 X 2.5	18.00	4.75	5.84	5.50	1.75	8.00	8.50	8.50	TBD

GRUNDFOS

SUBMITTAL

Grundfos Series LCS - Split Coupled End Suction Pump

QUOTE NUMBER / ID 1347955		UNIT TAG CHWP-1, 2, 3 Option 2	QUANTITY 3
	CHWP-11, CHWP-12, CHWP-13	125' HD	
REPRESENTATIVE		SERVICE	DATE
ENGINEER		SUBMITTED BY	DATE
CONTRACTOR		APPROVED BY	DATE
		ORDER #	



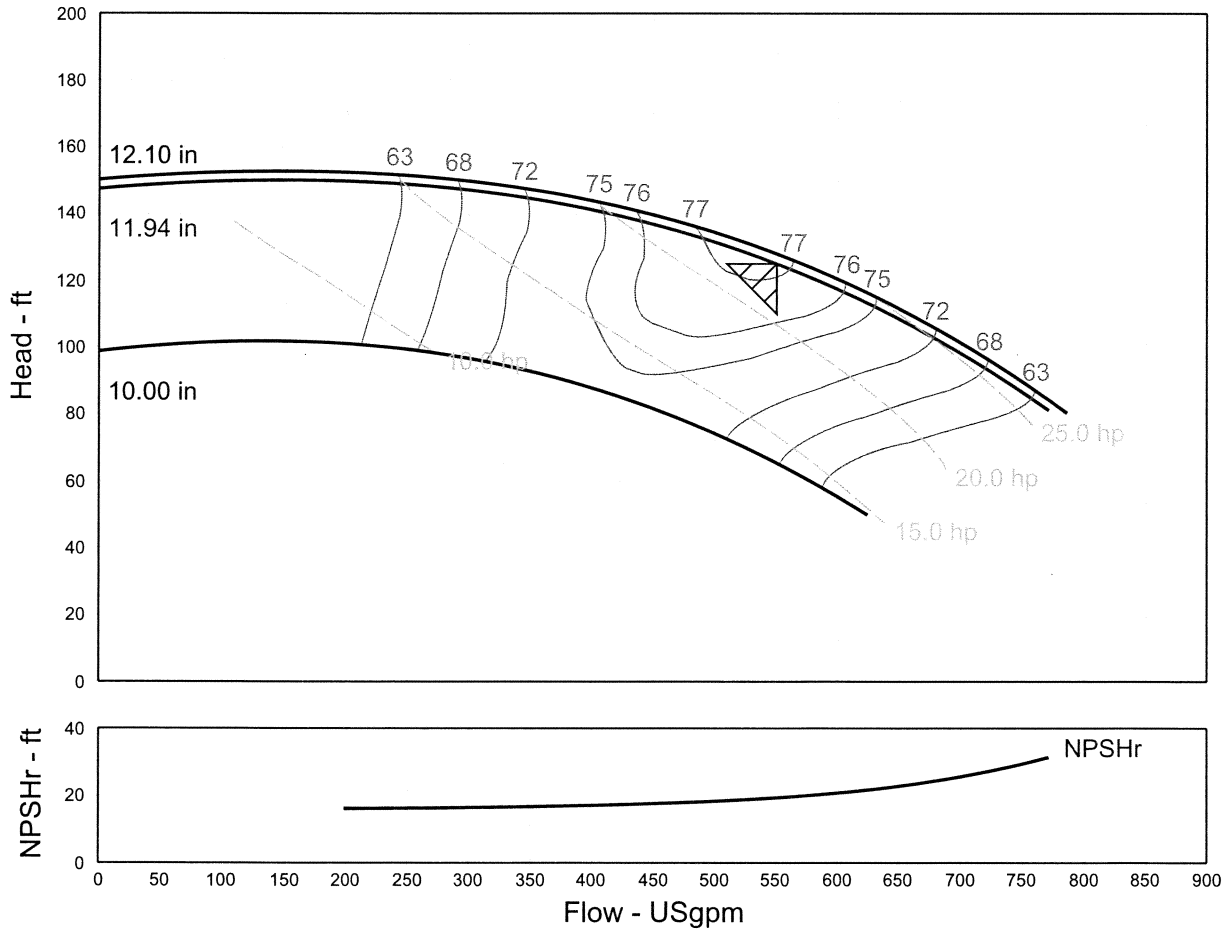
LCS 30127
1760 rpm

Part Number N/A

Conditions of Service	
Flow	550.0 USgpm
Head	125.0 ft
Liquid	Glycol, Propylene, 30%
Temperature	68.00 deg F
NPSHr	19.33 ft
Viscosity	3.25 cP
Specific Gravity	1.025 SG

Pump Data	
Impeller Diameter	11.94 in
Max. Imp. Dia.	12.10 in
Min. Imp. Dia.	10.00 in
Efficiency	77.12 %
Suction	4 in.
Discharge	3 in.
PEI (CL)	0.98
ER (CL)	2

Motor Data	
Motor HP	25 HP
BHP	23.08
Enclosure	ODP
Voltage	230/460 V
Phase	3 Phase
Cycle	60
Frame Size	284TC

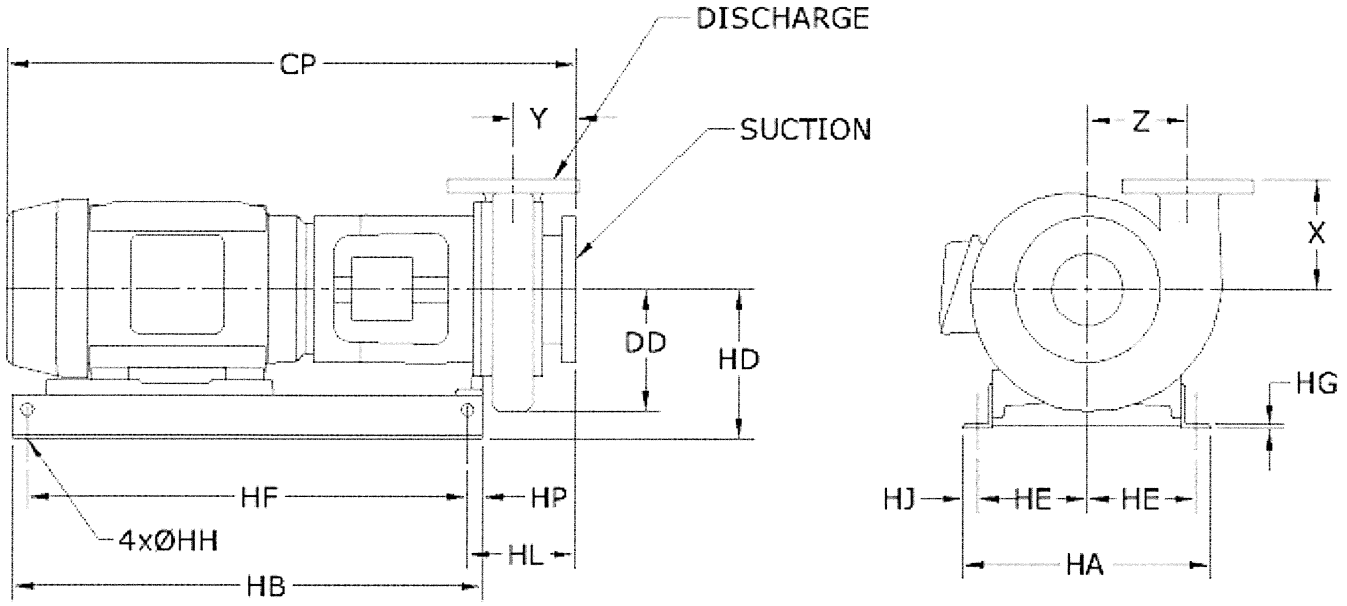


GRUNDFOS

SUBMITTAL

QUOTE NUMBER / ID 1347955 UNIT TAG CHWP-1, 2, 3 Option 2 125' HD LCS 30127

Grundfos Series LCS - Split Coupled End Suction Pump



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Units	Frame	Suct	Disch	CP	DD	HA	HB	HD	HE	HF	HG	HH	HJ	HL	HP	X	Y	Z
inches	284TC	4	3	43.00	8.50	17.00	32.00	11.00	7.50	30.00	0.25	0.63	1.00	7.06	1.00	8.63	3.88	7.25