



LETTER OF TRANSMITTAL

SHP
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Cincinnati, OH 45202

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TO: Brent Ernsthause
COMPANY: Triton Services, Inc.
8162 Duke Boulevard
Mason, OH 45040

FROM: Mary King
RE: Norwood HS Boiler Replacment

DATE: 5/25/2023

COMM NO.: 2022101.01

We are Sending You the Following Items

Attached Under a Separate Cover VIA _____

- Copy of Letter Prints Specifications
- Shop Drawings Change Order Pay Application
- Plans Samples Other..

COPIES	DIV. NO.	DESCRIPTION
1	1.0	232123- Hydronic Pumps

THESE ARE TRANSMITTED as checked below

- For Approval Reviewed as Submitted Resubmit ~~~~~ copies for approval
- For Your Use Reviewed as Noted Submit ~~~~~ copies for approval
- For Review & Comments Returned for Corrections Return ~~~~~ corrected prints

REMARKS

“Reviewed as Noted”

Thanks,
Mary

IF ENCLOSURES ARE NOT AS NOTED, PLEASE NOTIFY SIGNEE

COPIED TO

SIGNED

Mary King
Manager of Construction Services and



Triton Services, Inc.
 8162 Duke Blvd
 Mason, Ohio 45040
 P: +15136796800

**Project: 238144 Boiler Replacement Work at
 Norwood High School- HVAC**
 2020 SHERMAN AVE
 Norwood, Ohio 45212

Submittal #232123-1.0 - 232123 HYDRONIC PUMPS 232123 - HYDRONIC PUMPS

Revision	0	Submittal Manager	David Hatfield (Triton Services, Inc.)
Status	Open	Date Created	May 9, 2023
Issue Date	May 9, 2023	Spec Section	232123 - HYDRONIC PUMPS
Responsible Contractor	Emerson Swan	Received From	Josh Stevens (Emerson Swan)
Received Date	May 9, 2023	Submit By	May 9, 2023
Final Due Date	May 23, 2023	Lead Time	
Location		Cost Code	001-0511 - Piping
Approvers	Mary King (SHP)	Type	Product Information
Ball in Court	Mary King (SHP)		
Distribution	Mary King (SHP), Douglas Dorsel (Triton Services, Inc.)		
Description			

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					1600 Submittal.pdf
Mary King		May 23, 2023		Pending	

Review does not relieve supplier from compliance with requirements of the drawings and specifications or conformance with contract documents.

<input type="checkbox"/> Reviewed	Fabrication/Installation may be undertaken. Reviewed does not authorize changes to the Contract Sum or Contract Time.
<input checked="" type="checkbox"/> Reviewed as Noted	
<input type="checkbox"/> Revise and Resubmit	Fabrication and/or Installation MAY NOT be undertaken. In resubmitting limit corrections to items marked.
<input type="checkbox"/> Rejected	
Reviewed neither extends nor alters any contractual obligations of the Architect or Contractor.	
SHP	
312 Plum Street Suite 700 Cincinnati, OH 45202	
By: dhammitt	Date: 5/24/2023

Comments:
 - Provide warranty per specs



1600 Series Stock Pumps | Submittal Data

Submittal No: 301-001 | **RPM: 1750 RPM** | Effective: January 14, 2022 | Supersedes: June 29, 2020

JOB: Norwood Schools

REPRESENTATIVE: Emerson Swan

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. BP-2,4

MODEL NO. 1636E

IMPELLER DIAMETER _____ **HP** 1.5

GPM 117 **VOLTAGE** 460V/3PH

T.D.H. 34 **WEIGHT** _____

PUMP/MOTOR _____

NSF 61 CERTIFIED YES NO

SPECIFICATIONS

- Body – Flanged in-line connections. Companion flanges are included.
- Flanges – Flanges are tapped for gauges (1/4" NPT).
- Impeller – Closed, dynamically balanced.
- Drive Coupling – Non-Metallic, vibration dampening.
- Frame – Ball bearing type, permanently lubricated.
REMOVABLE BEARING CARTRIDGE FITS ALL MODELS.
- Mechanical Seal –
 - Type 21 2 Piece Standard – 250°F (121°C) Operating Temperature
 - High Temperature – 300°F (149°C) Operating Temperature
- Working Pressure – 175 PSI (1207 kpa).
In accordance with ANSI Standard B16.1.

DIMENSIONS

* 1/4 and 1/3 HP AVAILABLE IN 1 PHASE ONLY

MODEL NUMBER	FLANGE SIZE	POWER HP (KW)	DIMENSIONS			
			A	B	C	D
1600	1 1/2 (38)	1/4 (0.19)*	3 (76)	16.0 (419)	10 1/4 (260)	12 7/8 (327)
1610		1/3 (0.25)*		16.0 (419)		
1612	1 1/2 (38)	1/2 (0.37)	3 1/8 (79)	18.5 (470)	13 1/2 (343)	16 1/8 (410)
1614		3/4 (0.56)		19.0 (483)		
1616	2 (51)	1 (0.75)	3 (76)	19.0 (483)	14 1/2 (368)	17 3/8 (441)
1630	2 (51)	1/2 (0.37)	3 1/2 (89)	18.0 (457)	13 1/2 (343)	16 1/8 (410)
1632		3/4 (0.56)		18.5 (470)		
1634		1 (0.75)		19.0 (483)		
1636	2 (51)	1 1/2 (1.10)	3 5/8 (92)	21.0 (533)	16 1/2 (419)	19 1/2 (495)
1638		2 (1.50)		23.0 (584)		

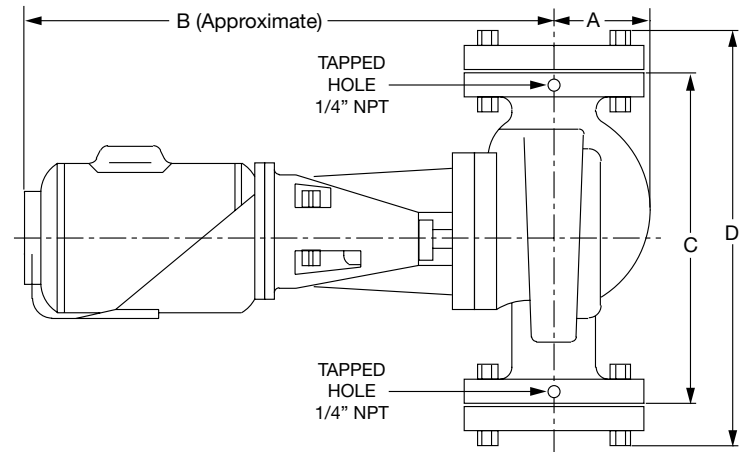
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in (). Do not use for construction purposes unless certified.

MOTOR CONFIGURATION

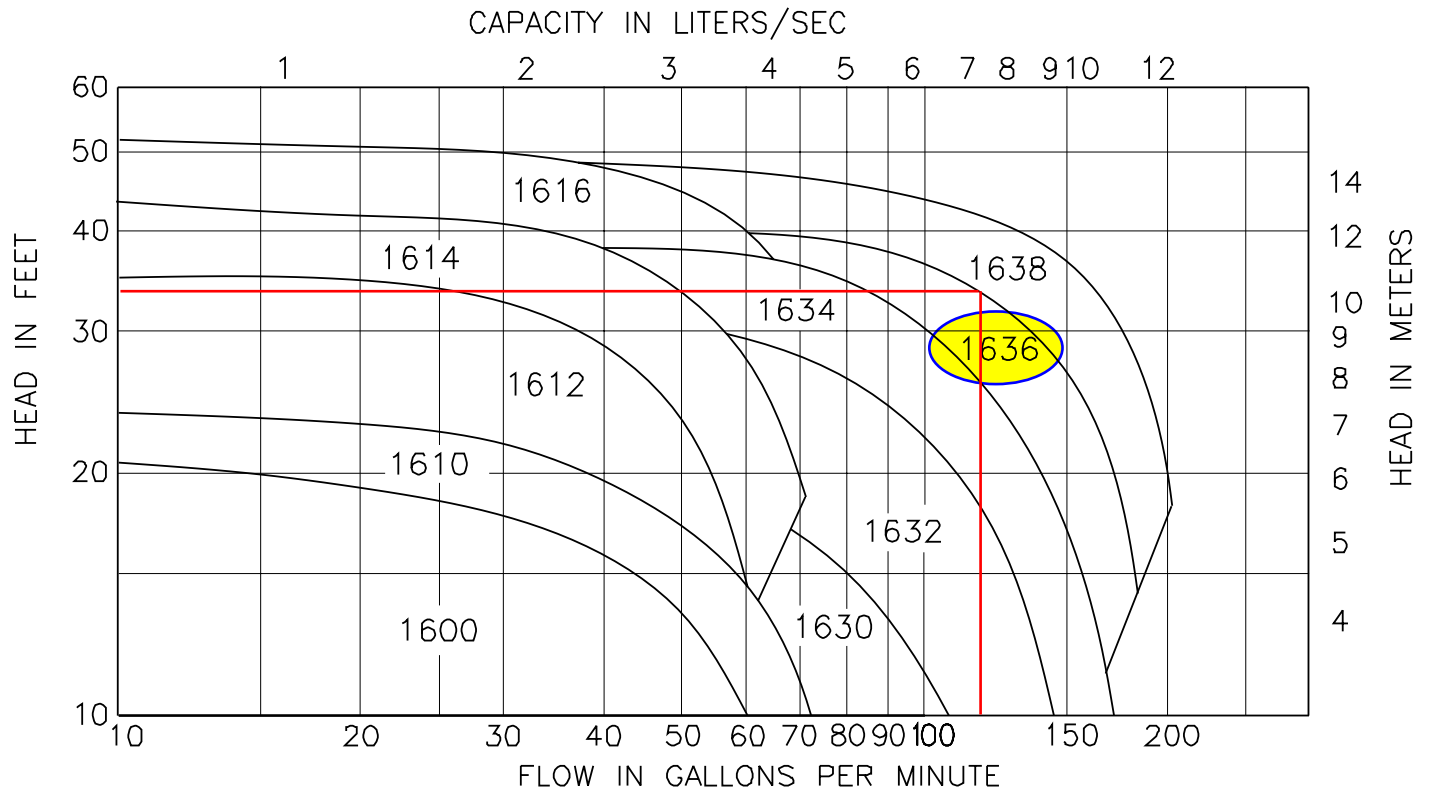
1750 RPM

- Three Phase 200V, 60Hz
- Three Phase 230/460V, 60Hz
- Single Phase with overload protection

MATERIALS OF CONSTRUCTION	STANDARD	OPTIONAL
CASING	Cast Iron	304 Stainless Steel
IMPELLER	304 Stainless Steel	N/A
SHAFT	Stainless Steel 416	N/A
BRACKET	Cast Iron	Cast Iron with Stainless Steel Face Plate



1600 SERIES STOCK UNIT QUICK SELECTION CURVES (1750 RPM)



COMMENTS