



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000121033 BOOSTER PUMP NEEDED FOR THE JEFFERSON PARISH
EB WATER PLANT**

Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

19-Sep-2017 11:32:31 PM

DATE: 9/18/2017

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00121033

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

VENDOR: .

BUYER: SFOLSE@jeffparish.net

Bids will be received until 11:00 AM, 9/22/2017 via online at www.jeffparishbids.net or by hand delivery, USPS mail or other courier service to Purchasing Department, 200 Derbigny Street (General Government Building), Suite 4400, Gretna, LA 70053. For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office as appropriate and a written response will be provided as soon as possible.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

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1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 9/18/2017

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00121033

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: _____

BUYER: SFOLSE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

[See Attached](#)

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: None

NUMBER: _____

NUMBER: _____

NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***

FIRM NAME:

Technology International, Inc.

SIGNATURE:

(Must be signed here)



TITLE:

Business & Operations Manager

PRINT OR TYPE NAME:

Michael J. Rosenberg

ADDRESS:

1349 South International Pkwy, Suite 2411

CITY, STATE:

Lake Mary, Florida

ZIP:

32746

TELEPHONE:

(407) 359-2373

FAX:

(407) 359-2372

EMAIL ADDRESS:

tii@tii-usa.com

TOTAL PRICE OF ALL BID ITEMS: \$ 7,248.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121033

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>BOOSTER BUMP NEEDED FOR THE JEFFERSON PARISH EB WATER PLANT</p> <p>0010-ORIGINAL EQUIPMENT MANUFACTURED PARTS ONLY NEEDED FOR A PEERLESS BOOSTER PUMP #F1615AP</p> <p>F1615AP-BRONZE FITTED, PACKED GLAND, INCLUDES THE FOLLOWING: CASTING PARTS 125/125LB NPT, STD BRZ IMPELLER, ADAPTER PARTS PACKED F1, FRAME ASSEMBLY PACKED F1 STEEL SHAFT, BRONZE SHAFT SLEEVE, WATER SEAL PIPING W/LANT RING SUCT PRES<30PSI, SUREFLEX FJJES, FLEXIBLE COUPLING, T B WOODS, ANSI B15.1 SHELL TYPE CPLG GUARD, COUPLING GUARD, FACTORY 5HP 3600 184T 230/460V 3 PH 60HZ FULLVOLT START PREMEFF 1.25SF, HORIZ FT MTD MTR TEFC F1, NIDEC</p> <p>TO BE DELIVERED TO: JEFFERSON PARISH EB WATER PLANT 3600 JEFFERSON HWY., BLDG. D JEFFERSON, LA 70121</p> <p>ATTN: KENNY O'NEAL</p>	\$3,624.00	\$7,248.00
<div>***Please see our Equipment Proposal TII/LA/0917/6955 attached.</div>					



Technology International, Inc.
1349 South International Pkwy, Suite 2411
Lake Mary, FL 32746
Tel: (407) 359-2373
Fax: (407) 359-2372
E-mail: tii@tii-usa.com
Website: www.tii-usa.com

Equipment Proposal

Title: Booster Pump
Bid #: 5000121033
Attention: Jefferson Parish
Purchasing Department
Our Ref: TII/LA/0917/6955
Date: 09/22/2017

In response to your quote request for Booster Pump, Technology International, Inc. is pleased to submit the following for consideration:

ITEM NO.	QTY	DESCRIPTION/ MODEL NO.	UNIT PRICE	EXTD. PRICE
1	2	F1615AP - Bronze Fitted, Packed Gland	\$3,624.00	\$7,248.00
See attached detailed description & data sheets				
<u>Total price for all above.....\$7,248.00</u>				

Exclusions: Any item not included in our offer.

Warranty: Manufacturer's Standard warranty applies.

Delivery:

- Estimated delivery is **40-60 DAYS** after receipt of order from customer and approved submittal
- All delivery dates quoted are tentative, based on current factory production schedule, subject to confirmation at time of order
- Submittal data, if applicable, will be provided for approval ARO

Freight: Freight included to Jefferson, LA 70121

Payment Terms: 1/2% 10 days; NET 30

Validity of Quote: This quotation is valid for 30 days from date of quote.

Technology International, Inc. Corporate data:

We are a small business and our Tax Payer Identification Number (TIN): 650342335. The above price quoted does not include any sales, excise or similar taxes. If applicable agency must accrue and remit it directly."

We trust that this proposal will meet your requirements and we look forward to hearing from you.

If you have any questions or need more information, please contact us by phone at 407-359-2373, fax at 407-359-2372 or email us at tii@tii-usa.com

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Michael J. Rosenberg".

Michael J. Rosenberg
Business & Operations Manager
Technology International, Inc.

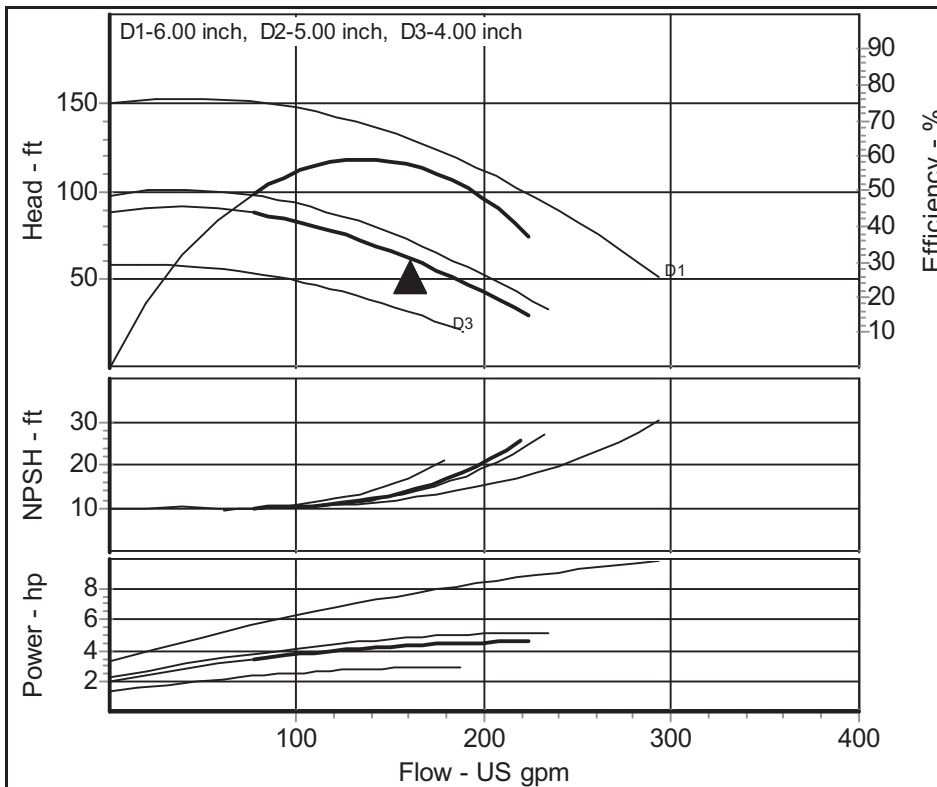
Summary Quotation:

Item No	Description	Weight (lb)	Qty
1	F1615AP - Bronze Fitted, Packed Gland	176	2
2	Casing Parts 125/125 Lb NPT	0	2
3	Std Brz Impeller	0	2
4	Adapter Parts Packed F1	0	2
5	Frame Assembly Packed F1 Steel Shaft	0	2
6	Bronze Shaft Sleeve	0	2
7	Water Seal Piping w/Lant Ring Suct Press<30Psi	2	2
8	Fab Stl Std Base w/o Grout Hole, Mounting Parts, Factory	170	2
9	Sureflex 5JJES, Flexible Coupling, T B Woods	2	2
10	ANSI B15.1 Shell Type Cplg Gard, Coupling Guard, Factory	12	2
11	5Hp 3600R 184T 230/460V 3Ph 60Hz FullVoltStart PremEff 1.25SF, Horiz Ft Mtd Mtr TEFC F1, Nidec	150	2



Type: **F - End-Suction Frame Mounted**
 Pump Model: **Peerless - F1615AP**
 Nom. Speed: **3557 RPM, 60 Hz Electric**
 Impeller Dia.: **4.79** inch
 Curve No.: **3115073/11-14**
 Market : **Basic Selection**

Item : **1**
 Impeller No.:
 Fluid: **Water**
 Temperature: **68** °F
 Viscosity: **1.007** cSt
 Sp. Gravity: **1.000**
 Your Ref. :



Duty Flow	160 US gpm
Duty Head	60 ft
Imp. Dia.	4.79 inch
Power Required	4.3 hp
NPSH Required	14.3 ft
Efficiency	57.5 %
Peak Power	4.6 hp
Closed Valve Head	88.1 ft
Tolerance	Hyd Ins 14.6 Unilateral

Comments

Performance curve represents typical performance. See Hydraulic Performance document in RAPID for performance test acceptance grades/tolerances & contractual

Flow (US gpm)	Head (ft)	Efficiency (%)	Power Required (hp)	NPSH Required (ft)
76.8	87.4	49.4	3.4	10.3
95.2	83.7	54.5	3.7	10.5
113.5	78.8	57.6	3.9	11.0
131.9	72.8	59.0	4.1	11.8
150.3	65.9	58.5	4.3	13.3
168.6	58.0	56.2	4.4	15.4
187.0	49.4	52.0	4.5	18.3
205.3	40.1	45.7	4.5	22.1
223.7	30.2	37.3	4.6	





Item: 1
Model : Peerless - F1615AP

Flow (US gpm)	Head (ft)	Eff. (%)	Power (hp)	Speed (RPM)
160	60	57.5	4.34	3557
Liquid	Temp. (°F)	Sp. Gravity	Visc. (cSt)	Dia. (inch)
Water	68	1.000	1.007	4.79

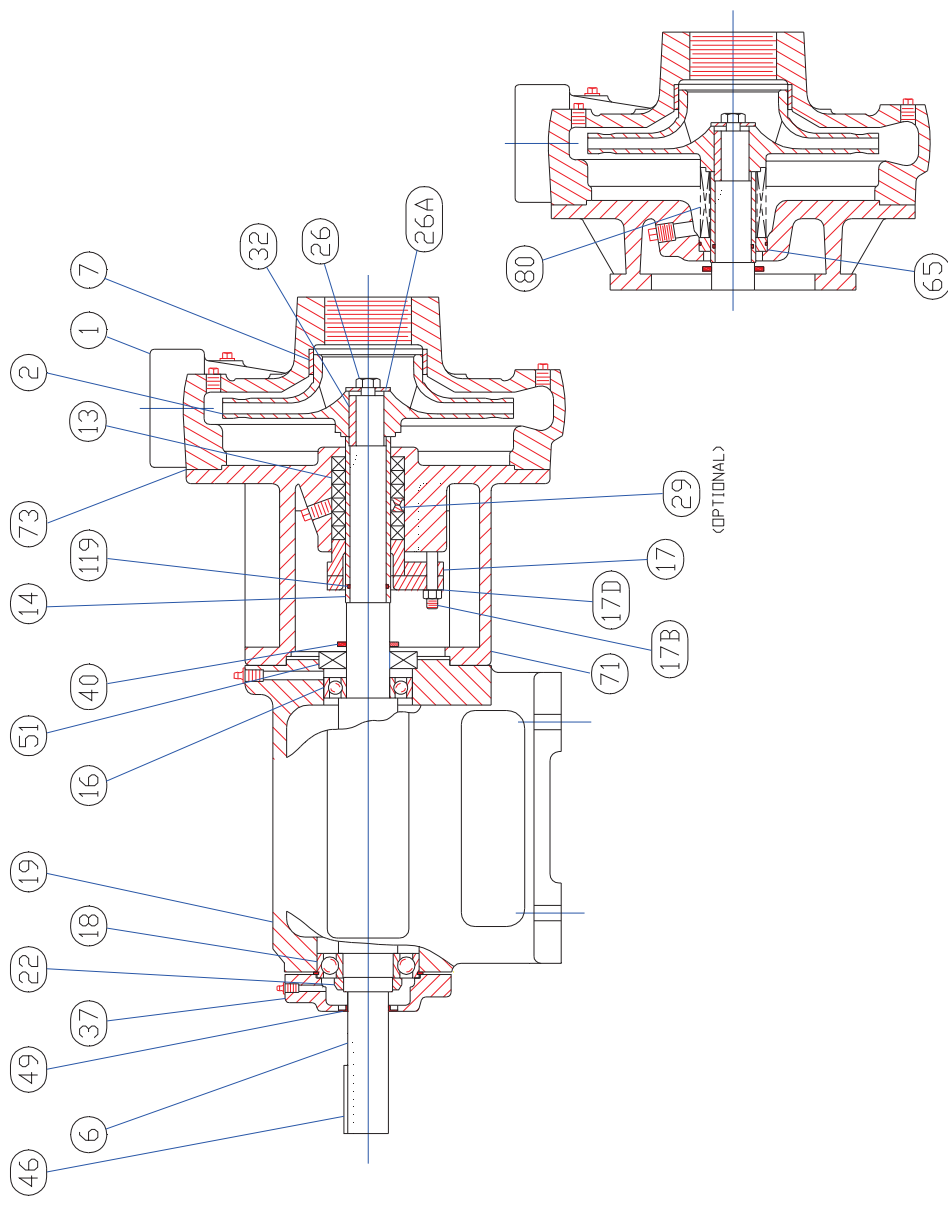
Technical Information:

Technical Information: F

Pump Model	F1615AP
Casing Suction Design	Single
Casing Volute Design Radially Split	Single
Max Work Press PSI NPT or 125# Disc <=150° F	175
Maximum Suction Pressure Psi	100
Max Work Press PSI NPT or 125# Disc less than or = to 200° F	165
Max Work Press PSI NPT or 125# Dischg less than or = to 250° F	155
Max Work Press PSI 250# Disc <=150° F	NA
Max Work Press PSI 250# Dischg less than or = to 200° F	NA
Max Work Press PSI 250# Disc less than or = to 250° F	NA
Shaft Dia Through Imp	1.25
Shaft Sleeve Dia	1.25
Shaft Dia Through Coupling	1.125
Pkd Stuffing Box Depth	2.62
Pkd Stuffing Box Bore	2.03
Cut Water Diameter Inches	6.52
Impeller Diameter at 90% of Cutwater Diameter	5.87
Impeller Diameter at 85% of Cutwater Diameter	5.54
Impeller Diameter at 75% of Cutwater Diameter	4.89
Impeller Sphere Max Diameter Inches	0.38
Eye Area Sq Inches	3.5
Number of Impeller Vanes	5
Minimum Impeller Diameter Inches	4



Stuffing Box Square Packing Inch	0.375
Stuffing Box Packing Rows with Lantern Ring	5
Stuffing Box Packing Rows without Lantern Ring	6
Max Pump RPM Direct Cpld Motor Drive	3600
Max Pump RPM V Belt Drive 5 In Pump Pulley	4100
Max Pump RPM Direct Engine Drive	4500
Max Pump RPM Jackshaft/Pulley Engine Drive	4500
Inboard Bearing	ND3206
Outboard Bearing	ND43207



Project :	Capacity:	Frame/Model:	184T
Customer:	Total Head:	Elec. Spec.:	3 Ph. 230/460 V. 60 Hz
Item No.:	Pump Speed:	Service Factor:	1.25
Quote No. :	Impeller Dia.:	Rotation:	
Pump Model:	Power:	Enclosure/Type:	TEFC
1	3557 (RPM)		
US-3558-410	4.79 (inch)		
Peerless - F1615AP	5 (hp)		

Date : Thursday, September 21, 2017
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F SERIES BRONZE FITTED		
P - PACKED / M - MECHANICAL SEAL		
ITEM NO.	PART DESCRIPTION	MATERIAL
1	CASING	CAST IRON
2	IMPELLER	BRONZE
6	SHAFT	STEEL (OPTIONAL 416 STAINLESS STEEL)
7	CASING RING	BRONZE
13	PACKING RING	GRAPHITED BRAIDED ACRYLIC (F1) GRAPHITED BRAIDED TFE (F2,F3,F4)
14	SHAFT SLEEVE	BRONZE (OPTIONAL 416 STAINLESS STEEL)
16	INBOARD BEARING	STEEL ASSEMBLY
17	PACKING GLAND	304 STAINLESS STEEL
17B	GLAND BOLT OR STUD	STEEL
17C	GLAND BOLT NUT	PLATED STEEL
17D	GLAND BOLT WASHER	PLATED STEEL
18	OUTBOARD BEARING	STEEL ASSEMBLY
18A	BEARING RETAINING RING	STEEL (F3)
19	BEARING FRAME	CAST IRON
22	BEARING LOCK NUT	STEEL
26	IMPELLER CAP SCREW	NYLON/18.8 STAINLESS STEEL
26A	IMPELLER LOCK WASHER	18.8 STAINLESS STEEL
26/26A	IMPELLER LOCK NUT	NYLON/PLATED STEEL (F41260A)
27	ADAPTER RING	BRONZE (F2-7, 8, 11, 12; F3,F4-12, 14,F4 -16)
29	LANTERN RING (OPTIONAL)	TFE
32	IMPELLER KEY	STEEL
37	BEARING COVER	CAST IRON
40	DEFLECTOR	RUBBER
46	COUPLING KEY	STEEL
49	OUTBOARD BEARING GREASE RETAINER	RUBBER/STEEL ASSEMBLY
51	INBOARD. BEARING GREASE RETAINER	RUBBER/STEEL ASSEMBLY
51A	GREASE RETAINER RING	STEEL (F3, F4)
53	CASING SUPPORT	STEEL
65	MECHANICAL SEAL SEAT	CERAMIC (SILICON OR TUNGSTEN CARBIDE OPTIONAL)
65A	MECHANICAL SEAL SEAT "0" RING	BUNA RUBBER 225° F. MAX. (VITON OPTIONAL 250° F. MAX.)
83	STUFFING BOX COVER	CAST IRON (F31260G)
71	ADAPTER	CAST IRON
73A	CASING GASKET	VEGETABLE FIBER
80	MECHANICAL SEAL ROTARY	BUNA RUBBER 225° MAX. (VITON OPTIONAL 250° F. MAX.) CARBON (WASHER) 18.8 STAINLESS STEEL (METAL & SPRING)
80A	MECHANICAL SEAL COLLAR	18.8 STAINLESS STEEL (F3, F4)
119	SHAFT SLEEVE "0" RING	VITON RUBBER
119A	STUFFING BOX "0" RING	BUNA RUBBER (F31260G)

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MECHANICAL SEAL PUMP SUPPLIED

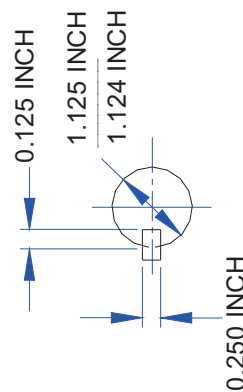
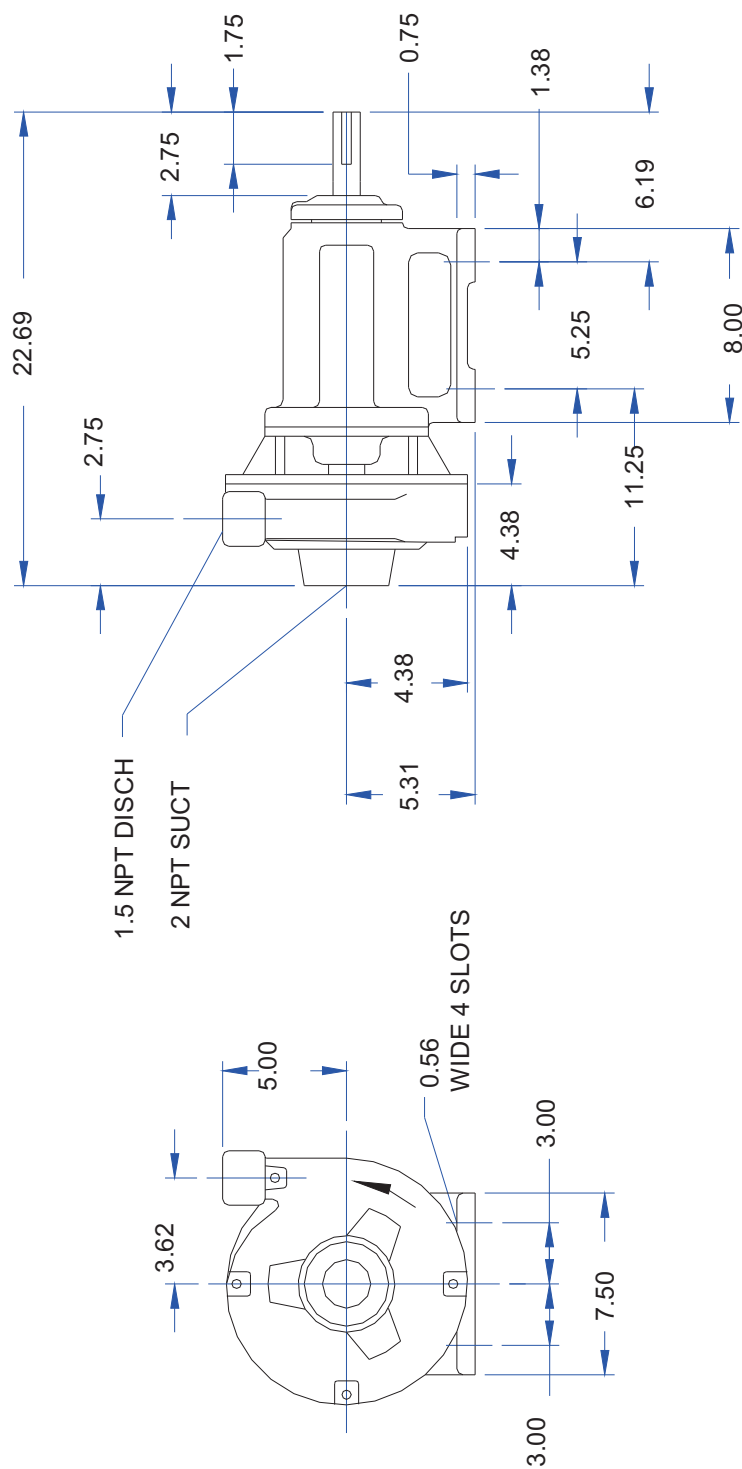
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PACKED GLAND PUMP SUPPLIED



Project :	Capacity:	160 (US gpm)	Frame/Model:	184T
Customer:	Total Head:	60 (ft)	Elec. Spec.:	3 Ph. 230/460 V. 60 Hz
Item No.:	Pump Speed:	3557 (RPM)	Service Factor:	1.25
Quote No. :	Impeller Dia.:	4.79 (inch)	Rotation:	
Pump Model:	Power:	5 (hp)	Enclosure/Type:	TEFC

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DETAIL - SHAFT END

Dimensions in (inch)

Project :	Capacity:	Frame/Model:
	160 (US gpm)	184T
Customer:	Total Head:	Elec. Spec.:
	60 (ft)	3 Ph. 230/460 V. 60 Hz
Item No.:	Pump Speed:	Service Factor:
1	3557 (RPM)	1.25
Quote No. :	Impeller Dia.:	Rotation:
US-3558-410	4.79 (inch)	
Pump Model:	Power:	Enclosure/Type:
Peerless - F1615AP	5 (hp)	TEEC



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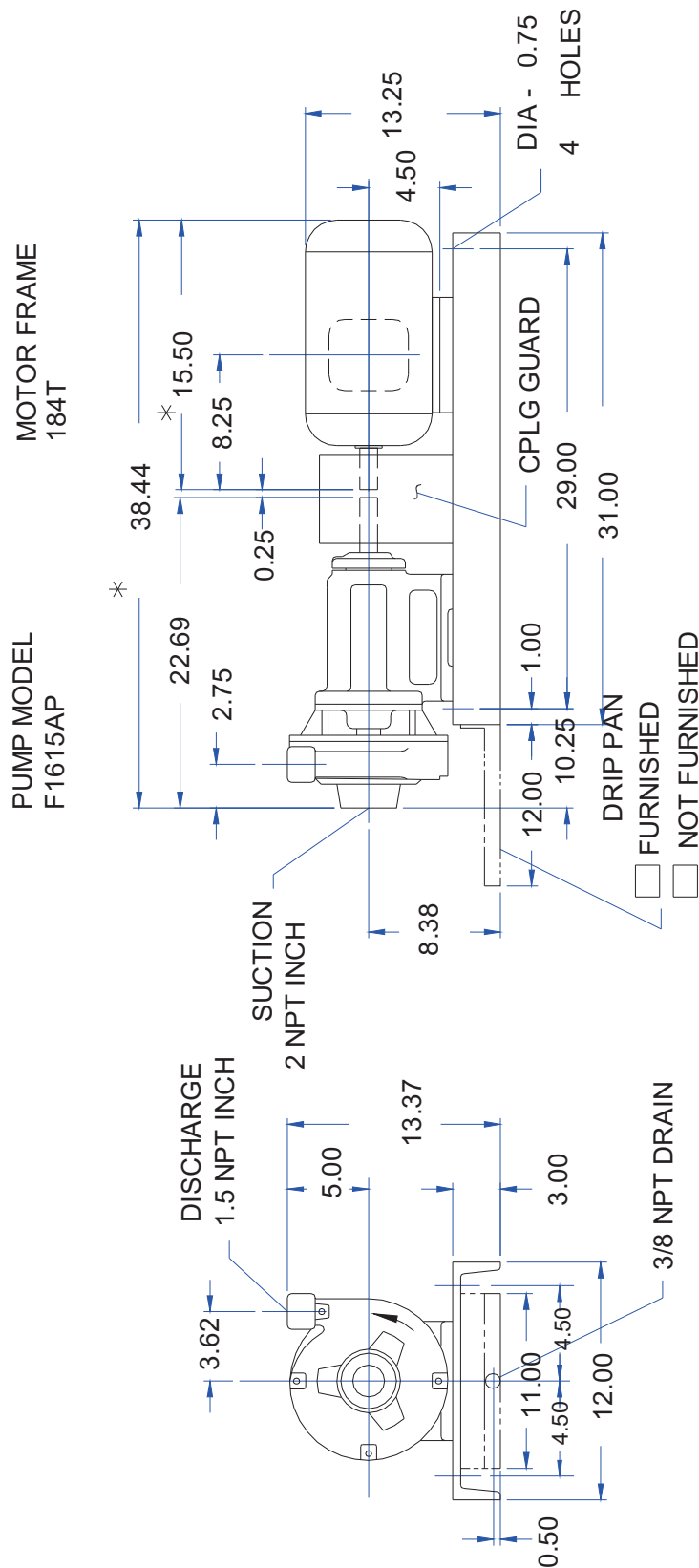
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WEIGHTS LBS:

PUMP: 176 lb

MOTOR & 334 lb

TOTAL: 512 lb



NOTES:

1. UNIT INSTALLATION & FINAL CPLG ALIGNMENT MUST BE IN ACCORDANCE TO BULLETIN 2880549.
 2. CUSTOMER MUST FILL BASE WITH GROUT ALLOWING .75 TO 1.50 INCH OF GROUT BETWEEN FOUNDATION AND BOTTOM OF BASE.
- *MAXIMUM DIMENSIONS, MAY BE LESS WITH DIFFERENT MAKE MOTORS OR ENCLOSURES.

Dimensions in (inch)



Project :	Capacity: 160 (US gpm)	Frame/Model: 184T
Customer:	Total Head: 60 (ft)	Elec. Spec.: 3 Ph. 230/460 V. 60 Hz
Item No.: 1	Pump Speed: 3557 (RPM)	Service Factor: 1.25
Quote No. : US-3558-410	Impeller Dia.: 4.79 (inch)	Rotation:
Pump Model: Peerless - F1615AP	Power: 5 (hp)	Enclosure/Type: TEFC

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