Mountain Regional Water
a Special Service District of Summit County

6421 North Business Park Loop Road, Unit A

PO Box 982320 Park City, UT 84098

Vendor Info.

Tel. (435) 940-1916 Fax (435) 940-1945 Purchase Order No.: MRW2025-01-15

Ship To



PURCHASE ORDER

Name:		Tech-Flow	Name:		ional Water SSI)
Address: City, State Zip:		1104 North 1600 West	Address:		iess Park Loop l	Rd.,	Ste A
		Layton, Utah 84041	City, State Zip:				
Phone/Co	ntact:	801-920-1116/Brett Hazen	Phone:	453.940.1916			
	T						
Qty.	Units	Descriptio	n		Unit Price	└	TOTAL
		Lost Canyon Pump 1 Replacement					400.070.00
		Goulds 9RCHC vertical turbine pump				\$	109,672.00
		Installation fee				φ.	4 000 00
		Installation lee				\$	4,000.00
		Freight				\$	2,800.00
		Fleight				φ	2,000.00
		See attached quote BH1690				l l	
		See altashed quote Billion				Į.	
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			Requested by:		Sub Total	\$	116,472.00
	_ Ship	ping Method:	Sam Grenlie	Shippi	ing & Handling		
					3 -		
			_ Account Number:		TOTAL	\$	116,472.00
Notes/R	emarks	s:					
)

REQUIRED SIGNATURES: Financial Officer General Manager (required if over \$20,000) **Governing Board** (required if over \$50,000)

Mountain Regional Water is a political subdivision of Summit County and thereby exempt from State and Local Sales Tax. If a tax exem certificate is required, please request a completed Utah State Form 721 from Financial Officer.



PO Box 209.

Layton, UT 84041 Phone: (801) 444-9900 Fax: (801) 444-9901

Cell: (801) 920-1116

Email: brett.hazen@tech-flow.com

Quotation

To: Mountain Regional

Attn: Sam Date: 19-Nov-24

Quote: BH1690 cc:

Sent by email Nov. 19, 2024

Phone:

Application: Fax: email: Job Name:

Job Site:

Reference:

We are pleased to quote the following for your favorable consideration:

Line	Qty	Part No.	Description	Price ea.	Ext. Price
1	1		Goulds 9RCHC vertical turbine pump 400 hp GE motor Wolong # V4875 Vertical Solid Shaft 400HP-1800-460V-TEFC-509VP30 frame Discharge head HEAD 816T12 150# flanges 6"x8" CONNECTION TO 14" UNDERGROUND BARREL 11' 6" length Column piping Dynamically balanced impellers Adjustable Spacer Coupling API Plan 13 Flush seal Mechanical seal MECH SEAL-HP (SXSXII-1.500") Stuffing Box	\$106,101.00	\$109,672.00
2	1		Installation fee inlcudes crane setting setting impeller and startup	\$4,000.00	\$4,000.00
3	1		Sales tax will be added if you are not tax exempt	\$0.00	\$0.00
4	1		Frieght costs will be prepaid and added to the final invoice	\$2,800.00	\$2,800.00
				Grand Total:	\$116,472.00

Delivery:

Routing: Thank you for the opportunity to quote.

FOB: Please call or fax our office if we can be of further assistance.

Valid For: 60 days Quoted By: Brett Hazen Terms: net 30

Pump Data Sheet - Turbine 60 Hz

Customer:

Company: Name:

Date: 10/28/2024

a xylem brand

0.256 psi a

14.7 psi a

0.75 in

Pump:

9RCHC (stages: 6) Size: Lineshaft Type: 3600 rpm Synch Speed: Dia:

6.88 in Curve:

Dimensions: Suction: Discharge: Vertical Turbine: Eye Area:

Bowl Size: 9.25 in Max Lateral: 0.88 in Thrust K Factor: 4.9 lb/ft

Search Criteria:

Flow: 925 US gpm Near Miss: Head: 1180 ft Static Head: 0 ft Fluid:

Water Name:

SG: Density: 62.4 lb/ft3

Viscosity: 1.1 cP Temperature: 60 °F

Margin Ratio:

Vapor Pressure:

Atm Pressure:

Sphere Size:

Pump Limits:

Temperature: Wkg Pressure:

Motor:

Standard: **NEMA** Size: 400 hp WPI Enclosure: Speed: 3600 rpm

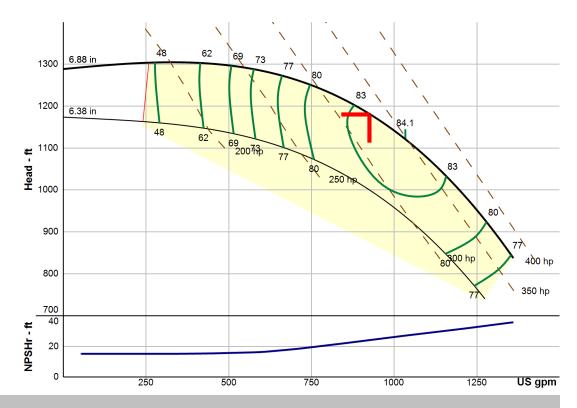
Frame: 5007

Sizing Criteria: Max Power on Design Curve

Pump Selection Warnings:

None

Duty Point					
Flow: Head: Eff: Power: NPSHr:	925 US gpm 1181 ft 83.6% 330 hp 24.1 ft				
Speed:	3540 rpm				
Design	n Curve				
Shutoff Head: Shutoff dP:					
NOL Power:	258 US gpm 0 1034 US gpm 0 1360 US gpm				
Max Curve					
Max Power:					
375 hp @	1360 US gpm				



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
1110	3540	1069	83.6	358	29
925	3540	1181	83.6	330	24.1
740	3540	1253	79.8	293	19.2
555	3540	1291	71.9	252	16
370	3540	1304	58	210	15.2



Product Information Packet

June 21, 2024

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number: 5KS509XAJ6420

Catalog Number: V4875

Instruction Manual: GEI-M1045

Connection Diagram: GEM2034E-FIG20

Outline Drawing: 148CB59INLSFGLC0001

Accessory Connection Diagrams

Bearing Thermocouple:NoneHeater:3027JE-1CRTD:NoneThermistor:NoneThermostat:NoneWinding Thermocouple:NoneBearing RTD:None

Table of Contents	
Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04

Marks:

MODEL NUMBER: 5KS509XAJ6420
Outline Drawing: 148CB59INLSFGLC0001

Connection Diagram: GEM2034E-FIG20
Instruction Book: GEI-M1045

Design Code: 50ED1526A **Type:** KS

Frame: B509VP30

Phases: 3
Poles: 4

Output Power: 400HP 296KW

 RPM:
 1785

 Voltage:
 460

 Hertz:
 60

 Amps - FL:
 445.0

 Service Factor:
 1.15

 Alt Service Factor:
 -

Estimated Weight: 4607 Lbs Time Rating: CONT **Enclosure: TEFC Encl Construction:** 841 Ambient Max(°C): 40 Alt Ambient Max(°C): F **Insulation Class: NEMA Design:** В **Nominal Efficiency:** 96.2 % **Guaranteed Efficiency:** 95.4 % 3/4 Load Efficiency: **KVA Code:** G Max KVAR: 92.3 **Power Factor:** 87.5 **Bearing - DE:** 6219ZC3

7326

Bearing - ODE:

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

EXCEPTION TO IEEE-STD-841-2009

ALUMINUM FAN VERTICAL-841

DE BRG 95BC02JP3 ODE BRG 130BT03MD00

GE SELF DECLARED CLASS I DIV 2

GROUP A,B,C,D MOTOR

MAX EXPOSED INTERNAL AND EXTERNAL SURFACE TEMPERATURES UNDER USUAL SERVICE CONDITION

AT 1.00 S.F. DO NOT EXCEED 200 DEG C TEMP CONT HTR LDS HE1-HE2 115V 200W

UPPER BRG OIL: 18.0 QTS LOWER BRG OIL: 2.5 QTS

0 DEG C TO 40 DEG C: ISO 32(MINERAL OR

SYNTHETIC)

-25 DEG C TO 0 DEG C : ISO 32 SYNTHETIC ROT CCW FACING TOP LEAD/PH SEQ 3-2-1/1-2-3 ROT CW FACING TOP LEAD/PH SEQ 1-2-3/1-2-3

MAXIMUM SPACE HEATER SURFACE

TEMPERATURE 160 DEG C

INVERTER DUTY PER NEMA MG1 PART 31

Additional Information:

ALTERNATE RATING FOR PWM CONTROL 1.0 SF. VAR TORQUE RANGE 0-60 HZ NOTE TO MFG: ROUTINE TEST REPORT & 5 POINT VIBRATION TEST REQD LEADS WITH SLEEVING **BOLTED COUPLING** PAINT INSIDE OF FRAME, FAN COVER, SHAFT PAINT OUTSIDE OF ODE END SHIELD 4 POLE, VERT SOLID SHAFT HIGH THRUST (1D) TEMP CONTRL 115V HEATER LEADS TO CON BOX RCF=2451 CPM CG=28.72IN STAT DEF=0.0059 IN COPPER WASHER UNDER HEADS OF BRG CAP BOLTS APPLY TITE - SEAL (A50CD427A) ON BEARING CAP SCREWS, RABBETS AND PLUG THREADS SHAFT RUNOUT .0015 TIR C/B GRD PLATE BEARING LIFE 8760 HOURS AT 12400 LB THRUST 2500 Cu. In. CBOX



Performance Characteristics

1st Winding 1st Connection

Design: 50ED1526A

1	ııaı	NO.		
	_	<u> </u>	0/	

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	95.63	95.76	96.1	95.89	95.3	92.58	0.00
% PF	87.88	87.82	88.31	84.91	78.05	57.96	5.04
AMPS	556.8	511.95	440.65	344.85	251.63	174.4	128.73

TORQ(FL)#FT AMPS(LR) 1175.66 2857.08 TORQ(LR)%FL PF AT START 143.08 0.2 TORQ(BD)%FL

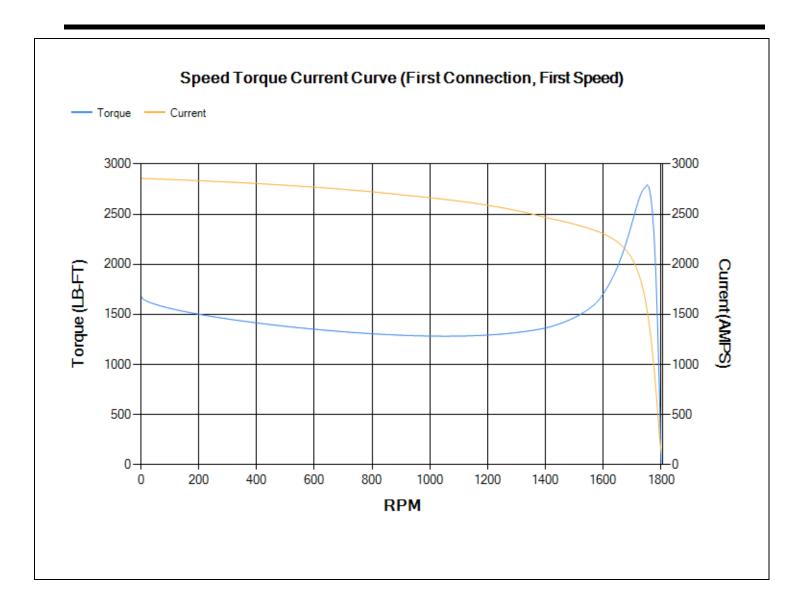
234.36

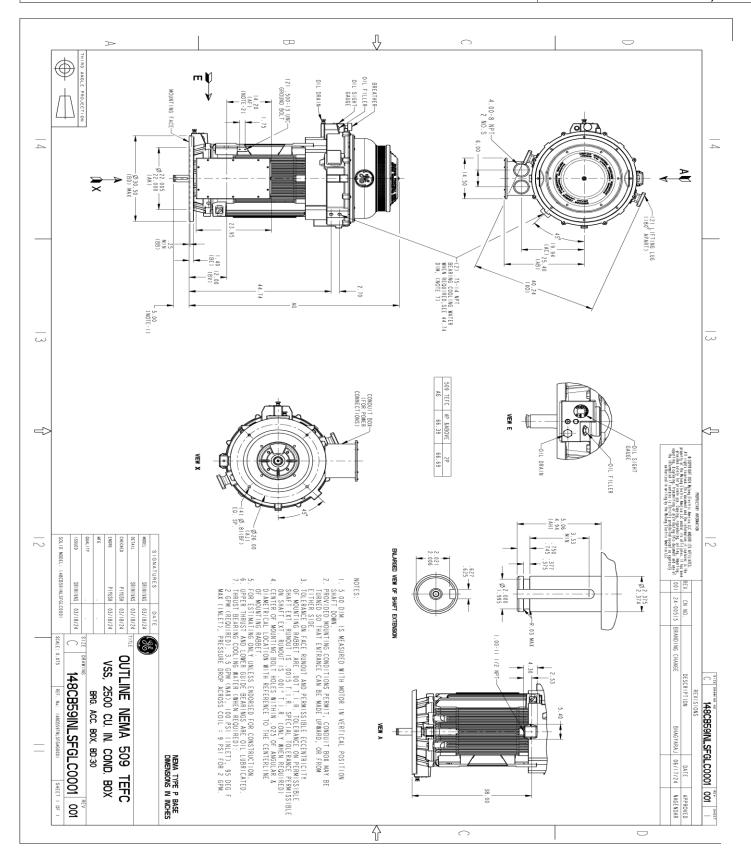
This motor is capable of two cold or one hot start with a maximum connected load inertia of 5217 Lb-Ft Sq (219.64 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 29 seconds. Safe stall time at 100% voltage is 67 seconds cold, 35 seconds hot. Rotor inertia is 143.91 Lb-Ft Sq (6.06 Kg-meter Sq).

 Open Circuit A-C:
 1.171
 Short Circuit D-C:
 0.042

 Short Circuit A-C:
 0.05
 X/R Ratio:
 15.926

 Stator Slots:
 72
 Rotor Slots:
 58

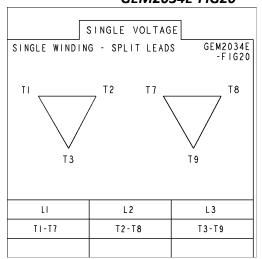




Model Number: 5KS509XAJ6420 June 21, 2024

Marks:

Connection Diagram GEM2034E-FIG20

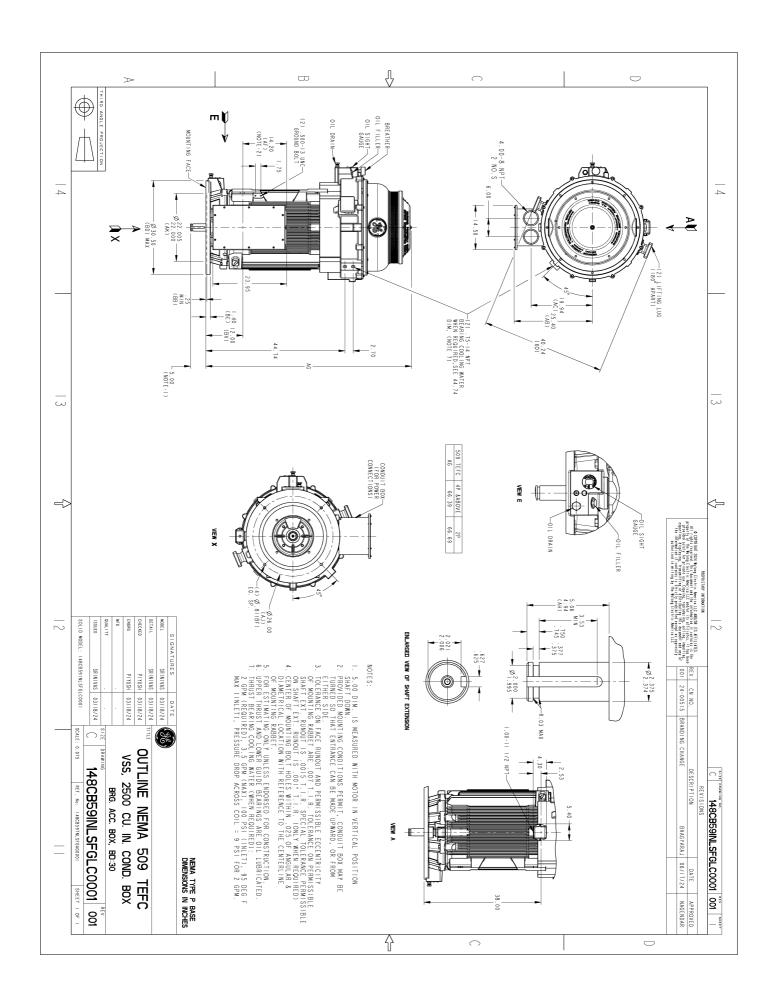


Heater Connection 3027JE-1C

HEATER CONNECTION



SUPPLY VOLTAGE LEADS	L1	L2	
HEATER LEADS	HE1	HE2	





Estimate Sheet

Nickerson Company, Inc. P.O. Box 25425 2301 West Indiana Ave. Salt Lake City, UT 84125

Phore Fax: Job N Concessory	Name: dition of vice: Item	NICK GRAUE / SAM GRENLIE 801-683-3733 / 801-712-8598 MOUNTAIN REGIONAL PUMP UPGRADE 925 GPM @ 1180' HD Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,		Unit 48,113.00	\$	REV.2 Extension - 48,113.00
Fax: Job N Conc Servi	Name: dition of vice: Item	MOUNTAIN REGIONAL PUMP UPGRADE 925 GPM @ 1180' HD Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
Fax: Job N Conc Servi	Name: dition of vice: Item	MOUNTAIN REGIONAL PUMP UPGRADE 925 GPM @ 1180' HD Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
Fax: Job N Conc Servi	Name: dition of vice: Item	MOUNTAIN REGIONAL PUMP UPGRADE 925 GPM @ 1180' HD Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
Fax: Job N Conc Servi	Name: dition of vice: Item	MOUNTAIN REGIONAL PUMP UPGRADE 925 GPM @ 1180' HD Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
Job N Conc Servi	Name: dition of vice: Item	Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
# PUM 1 ASSI	dition of rice: Item	Description NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
# PUM	rice: Item	NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
# PUM	Item	NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
PUM 1 ASSI	1P	NATIONAL PUMP MODEL K10LC-7 STAGE, CAST IRON/ENAMEL & DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,			\$	-
1 ASSI		& DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,		48,113.00	\$	48,113.00
1 ASSI		& DUCTILE IRON BOWLS, BRONZE IMPELLERS DYNAMICALLY BALANCED, BRONZE BOWL BEARINGS, 6" X 1 1/2" COLUMN ASSEMBLY TO FIT 11.5' BARREL, NFT DISCHARGE HEAD WITH 8" SUCTION, 6" DISCHARGE, FABRICATED STEEL, SINGLE MECHANICAL SEAL WITH PLAN 13 SEAL FLUSH, AFS ADJUSTABLE SPACER COUPLING, AND ENAMEL PAINT G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,		48,113.00		48,113.00
	EMBLY	G.E. 400 HP VERTICAL SOLID SHAFT MOTOR, 3/60/460 VOLT,	\$	48,113.00		48,113.00
1 MOT		· · · · · · · · · · · · · · · · · · ·			\$	
1 MOT		· · · · · · · · · · · · · · · · · · ·				-
	ΓOR	TEFC ENCLOSURE, 3600 RPM, VFD DUTY, 5008VP FRAME, 24" BASE DIAMETER.	\$	78,994.00	\$ \$	78,994.00 - -
					\$	-
					\$	-
		LEAD TIME:			\$	-
		8 WEEKS SUBMITTALS, 2 WEEKS APPROVAL, 16 WEEKS				
		PRODUCTION			\$	-
					\$	-
			-		\$	-
					\$	-
					\$	-
Freig	aht:		1			- ICLUDED
Field	yııt.		+		111	ICLUDED
					N(OT
Tax						CLUDED
_	al Price:		<u>1</u>		-	127,107.00
	41 1 1100.	055 40075	1		Ψ	121,101.00
FOB	ment:	SEE ABOVE				

QUOTE GOOD FOR 30 DAYS

 Terms: Net 30 days
 Phone: 801-973-8888

 Quoted by: Jeff Stucki
 Fax: 801-973-8267

	KERSON COMPANY, INC. WARRANTY, TERMS AND CONDITIONS OF SALE. P.O.#
	SCRIPTION
All or	ders shall be made out to Nickerson Company, Inc. at P.O. Box 25425, Salt Lake City, Utah 84125 and shall be subject to acceptance by Nickerson Company, Inc.
any s be de an au and v for a	ONSTRUCTION AND LEGAL EFFECT. Our sale to you will be solely upon the terms and conditions set forth herein. They supersede and reject any conflicting terms and conditions of yours, statement in yours to the contrary notwithstanding. Exceptions to any of our terms and conditions must be contained in a written or typed (not printed) statement received from you; we shall not exeme to have waived any of our terms and conditions or to have assented to any modification or alteration of such terms and conditions unless such waiver or assent is in writing and signed by uthorized officer. No representation of any kind has been made by us except as set forth herein; this agreement conclusively supersedes all prior writings and negotiations with respect thereto we will furnish only the quantities and items specifically listed on the face hereof; we assume no responsibility for furnishing other equipment or material shown in any plans and/or specification project to which the goods ordered herein pertain. Any action for breach of contract must be commenced within one year after the cause of action has accrued Our quoted prices, discounts, and conditions are subject to change without notice.
any a	RICES. Unless otherwise noted on the face hereof, prices are net F.O.B. Point of Origin. Service time of a factory-trained service man is not included and may be charged extra. The amount of applicable present or future tax or other government charge upon the production, sale, shipment or use of goods ordered or sold will be added to billing unless you provide us with an appropriate applicable.
Com at the Salt apply altera this i and inclu that recei fitnes We v	EFECTIVE EQUIPMENT AND LIMITATION OF WARRANTIES. Providing purchaser notifies us promptly, if within one year from date of shipment equipment sold by Nickerson pany, Inc. fails to function properly under normal, proper and rated use and service because of defects in material or workmanship demonstrated to our satisfaction to have existed e time of delivery, the company reserving the right to either inspect them in your hands or request their return to us will at our option repair or replace at our expense F.O.B. our Lake City plant, or give you proper credit for such equipment or parts determined by us to be defective, if returned transportation prepaid by purchaser. The foregoing shall not y to equipment that shall have been altered or repaired after shipment to you by anyone except our authorized employees, and the company will not be liable in any event for ations or repairs except those made with its written consent. Purchaser shall be solely responsible for determining suitability for use and the company shall in no event be liable in respect. The equipment or parts manufactured by others but furnished by us will be repaired or replaced only to the extent of the original manufacturer's guarantee. Our obligations liabilities hereunder shall not be enforceable until such equipment has been fully paid for. Purchaser agrees that if the products sold hereunder are resold by purchaser, he will defen the contract for resale, provisions which limit recoveries against us in accordance with this section. In case of our failure to fulfill any performance representation, it is agreed we may at our option remove and reclaim the equipment covered by this agreement at our own expense and discharge all liability by repayment to the purchaser of all sums two on account of the purchase price. (The foregoing obligations are in lieu of all other obligations and liabilities including negligence and all warranties, or merchantability or use, installation or operation.) will in no event be liable for any direct, indirect, specia
as su or sto contr	ELIVERY. Delivery, shipment and installation dates are estimated dates only, and unless otherwise specified, are figured from date of receipt of complete technical data and approved drawings uch may be necessary. In estimating such dates, no allowance has been made, nor shall we be liable directly or indirectly for delays of carriers or delays from labor difficulties, shortages, strikes oppages of any sort, fires, accidents, failure or delay in obtaining materials or manufacturing facilities, acts of government affecting us directly or indirectly, bad weather, or any causes beyond our ollow or causes designated Acts of God or force majeure by any court of law, and the estimated delivery date shall be extended accordingly. We will not be liable for any damages or penalties soever, whether direct, indirect, special consequential, resulting from our failure to perform or delay in performing unless otherwise agreed in writing by an authorized officer.
than the e this c conta any p	PERATING CONDITIONS AND ACCEPTANCE. Recommendations and quotations are made upon the basis of operating conditions specified by the Purchaser. If actual conditions are different those specified and performance of the equipment is adversely affected thereby, Purchaser will be responsible for the cost of all expenses incurred in, and reasonable profit for, performance of equipment is adversely affected thereby, Purchaser will be responsible for the cost of all changes in the equipment required to accommodate such conditions, and we reserve the right to cancel order and Purchaser shall reimburse us for all costs and expenses incurred in, and reasonable profit for, performance hereunder. We reserve the right to refuse any order based upon a quotation aiming an error. The provisions in any specification or char issued by Nickerson Co. are descriptive only and are not warranties or representations; Nickerson Co. will certify to a rated capacity in particular product upon request. Capacity head and efficiency certifications are based on shop tests and when handling clear, fresh water at a temperature not over 85° F. Certifications are at this diffed rating only and do not cover sustained performance over any period of time nor under conditions varying from these.
prese state	HIPPING. Unless you specify otherwise in writing, (a) goods will be boxed or crated as we may deem proper for protection against normal handling, and extra charge will be made for ervation, waterproofing, export boxing and similar added protection of goods; (b) routing and manner of shipment will be at our discretion, and may be insured at your expense, value to be d at order price. On all shipment F.O.B. our plant, delivery of goods to the initial carrier will constitute delivery to you and all goods will be shipped at your risk. A claim for loss of damage in it must be entered with the carrier and prosecuted by you. Acceptance of material from a common carrier constitutes a waiver of any claims against us for delay or damage or loss.
returr	ANCELLATION AND RETURNED EQUIPMENT. Orders may be cancelled only with our written consent and upon payment or reasonable and proper cancellation charges. Goods may be ned only when specifically authorized and you will be charged for placing returned goods in saleable condition, any sales expenses then incurred by us, plus a restocking charge and any bing and incoming transportation costs which we pay.
by late finance immediate than statute constant size of goods.	REDIT AND PAYMENT. Payment for products shall be 30 days net. Pro-rata payments shall become due with partial shipments. A late charge of 2 percent per month or the maximum permitted w, which ever is less, will be imposed on all past due invoices. We reserve the right at any time to alter, suspend, credit, or to change credit terms provided herein, when in our sale opinion your cial condition so warrants. In such case, in addition to any other remedies herein or by law provided. Failure to pay invoices at maturity date at our election makes all. subsequent invoices adiately due and payable irrespective of terms, and we may withhold all subsequent deliveries until the full account is settled, and we may terminate this agreement. Acceptance by us of less full payment shall not be a waiver of any of our rights. You represent by sending each purchase order to us that you are not insolvent as that term is defined in applicable state or federal tes. In the event you become insolvent before delivery of any products purchased hereunder, you will notify us of inviting. A failure to notify us of insolvency at the time of delivery shall be trued as a reaffirmation of your solvency at that time. Irrespective of whether the products purchased hereunder are delivered directly to you, or to a customer of yours, and irrespective of the of shipment, we shall have the right to withhold or reclaim goods under the applicable state and federal statutes. Where youCare responsible for any delay in shipment the date of completion of s may be treated by us as the date of shipment for purposes of payment. Completed goods shall be held at your cost and risk and we shall have the right to bill you for reasonable storage and ance expenses. Regardless of price quoted, all orders will be invoiced in the minimum amount of \$50.00 net.
	SPECTION. Inspection of goods in our plant by you or your representative will be permitted insofar as this does not unduly interfere with our workflow, provided that complete details of the action you desire are submitted to us in writing in advance.
perso	RECORDS, AUDITS AND PROPRIETARY DATA. Unless otherwise specifically agreed in writing signed by an authorized officer, neither you nor any representative of yours, nor any other on, shall have any right to examine or audit our cost accounts, books or records of any kind or on any matter, or be entitled to, or have control over, any engineering or production prints, drawings otherwise the control over any engineering or production prints, drawings otherwise the control over any engineering or production prints, drawings otherwise the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints, drawings of the control over any engineering or production prints and the control over any engineering or production prints and the control over any engineering or production prints and the control over any engineering or production prints and the control over any engineering or production prints and the control over any engineering or production prints and the control over any engineering or production prints and the control over any engineering
agree	undersigned accepts this quotation and agrees to the warranty terms and conditions printed on this sheet, and acknowledges that he and, or she is bound thereby and it is fully understood and ad that ownership, title and right of unrestricted repossession of property, shall remain with the Nickerson Company, Inc., until paid for in full. The signers hereof agree that if any default of this act occurs, they will return all above merchandise in good order upon demand, and all payments previously made are to be forfeited for rental and use thereof, plus an additional sum for any or attorney fees incurred in the enforcement of above provisions.

SIGNED_ _TITLE_ DATE_ Company: National Pump Company

Name: NICKERSON CO Date: 6/28/2024



Pump:

Size: K10LC (7 stage)

Type: VERT.TURB.ENCLOSED Synch Speed: 3600 rpm

Curve: CVK10LC2P6CY Specific Speeds:

Dimensions:

Vertical Turbine

Pump Limits:

Temperature: 180 °F Pressure: 370 psi g Sphere Size: 0.63 in Speed: 3540 rpm Dia: 7.62 in

Impeller: K10LC (1/8)

Ns: 2501 Nss: 7501 Suction: ---

Discharge: ---Bowl Size: 9.75 in Max Lateral: 1 in

Thrust K Factor: 6.6 lbf/ft

Power: 569 hp Eye Area: 12.8 in² Search Criteria:

Flow: 925 US gpm Head: 1180 ft

Fluid:

Water Temperature: 68 °F SG: 1 Vapor Pressure: 0.3391 psi a Viscosity: 0.9946 cP Atm Pressure: 14.7 psi a

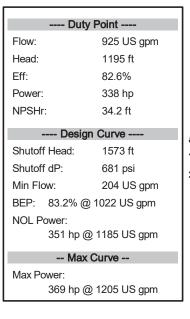
NPSHa: ---

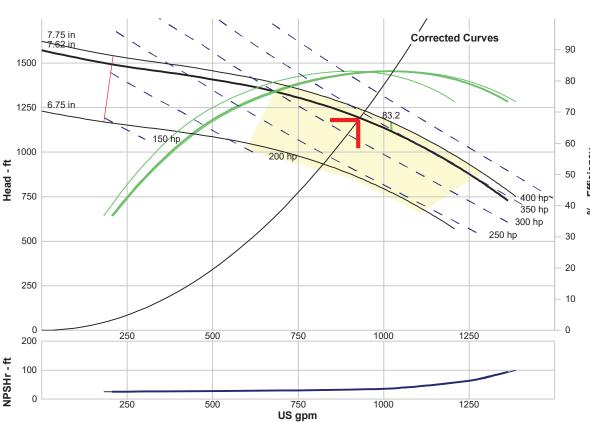
Motor:

Standard: NEMA Size: 400 hp
Enclosure: WP-I Speed: 3600 rpm
Frame: 5008

Sizing Criteria: Max Power on Design Curve

Curve Corrections:





UNLESS OTHERWISE SPECIFIED: [1] LIMITS AND PERFORMANCE BASED ON STANDARD MATERIALS. [2] PERFORMANCE SHOWN MEETS HI 14.6-2011 GRADE 1B TOLERANCES AT THE RATED CONDITION WITHIN THE SELECTION WINDOW. [3] NPSHR AT 1ST STAGE IMPELLER CENTERLINE.

Performance Ev					
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1110	3540	1034	82.5	351	45.5
925	3540	1195	82.6	338	34.2
740	3540	1311	78.7	310	30.6
555	3540	1387	69.7	274	28.9
370	3540	1448	55.2	239	27.3