

De: kmedina@integca.com
Enviado el: jueves, 25 de mayo de 2017 13:55
Para: ygodoy@integ.com.ve
Asunto: RV: CONTACTO commercial
Datos adjuntos: INTEGCA_52317.pdf

FYI

De: frankg@gaiinc.com [mailto:frankg@gaiinc.com]
Enviado el: Wednesday, May 24, 2017 8:33 AM
Para: kmedina@integca.com
Asunto: RE: CONTACTO commercial

Aqui esta

MAKE IT A GREAT DAY!!!

Frank Garcia

George A. Israel, Jr. Inc.

7953 NW 67th Street
Miami, Florida. 33166
Cel. 786-412-2240
Tel. 305-592-5343
Fax. 305-591-4360
frankg@gaiinc.com



From: kmedina@integca.com [mailto:kmedina@integca.com]
Sent: Tuesday, May 23, 2017 3:59 PM
To: frankg@gaiinc.com
Subject: RE: CONTACTO commercial

Gracias Frank. Por favor enviame el Submittals de esta bomba.

Saludos cordiales,

De: frankg@gaiinc.com [mailto:frankg@gaiinc.com]
Enviado el: Tuesday, May 23, 2017 2:43 PM
Para: kmedina@integca.com

Asunto: RE: CONTACTO commercial

BOMBA EN LINEA COMO LO PIDIO Y PARA CHILLER. NO CREO QUE LE VALLA GUSTAR ESTA OPCION.

Quotation No. 2017-5-23-6:18

FRANK GARCIA
George A. Israel Jr. Inc. Quote Date: **5/23/2017**
7953 NW 67 ST
MIAMI, FL. 33166 Date: **5/23/2017 2:32:31 PM**
Phone: 305-592-5343 Terms:
Fax: 305-591-4360 Freight: **Full Freight Allowed**
Job: **INTEGCA 52317**
TO: THERMAL CONCEPTS ,
ATTN: FRANK GARCIA Engineer: **None Selected**

We are pleased to quote you on the following equipment for the above job subject to approval. Quantities listed are not guaranteed and should be verified. Prices will be adjusted accordingly. This quotation is subject to change without notice and void after 30 days unless otherwise stated below. All Contracts or Orders are subject to acceptance by the Company and are contingent upon non-occurrence of strikes or other delays beyond their control. In addition to prices named herein, you are to pay any applicable sales taxes.

Qty	Description & Tag	Wt (lbs)	Net Price Ea.	Total Net Price
	CENTRIFUGAL PUMPS			
	Tag: P-2			
1	B&G In-Line Pump Series e-80SC, Model 5 x 5 x 9.5B, SS, 15 HP, 1800 RPM, with 8.625" Impeller, Standard Internal EPR/Carbon/Ceramic/SS Seal, BG Choice, TEFC, Nema Premium Efficient, 230/460/3/60 Motor, 750 GPM, 50 FT TDH	465	\$4,433.00	\$4,433.00

MAKE IT A GREAT DAY!!!

Frank Garcia

George A. Israel, Jr. Inc.

7953 NW 67th Street

Miami, Florida. 33166

Cel. 786-412-2240

Tel. 305-592-5343

Fax. 305-591-4360

JOB: INTEGCA 52317

REPRESENTATIVE: George A. Israel Jr., Inc

UNIT TAG: P-2

ENGINEER:

CONTRACTOR:

ORDER NO.

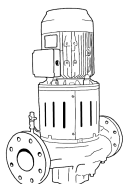
SUBMITTED BY: 540 Frank Garcia

APPROVED BY:

DATE: 5/24/2017

DATE:

DATE:



5x5x9.5B Series e-80SC In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW	750 (GPM)	HEAD	50 (FT)
HP	15	RPM	1800
VOLTS		230/460	
CYCLE	60	INPUT PHASE	3
ENCLOSURE	TEFC Nema Premium Efficient		
APPROX. WEIGHT	465		
SPECIALS			

MATERIALS OF CONSTRUCTION

☒ Bronze Fitted

MAXIMUM WORKING PRESSURE

- ☒ 175 psi (12 bar) with
125# ANSI flange drilling
- ☐ 250 psi (17 bar) with
250# ANSI flange drilling (requires 80-S)

MOUNTING

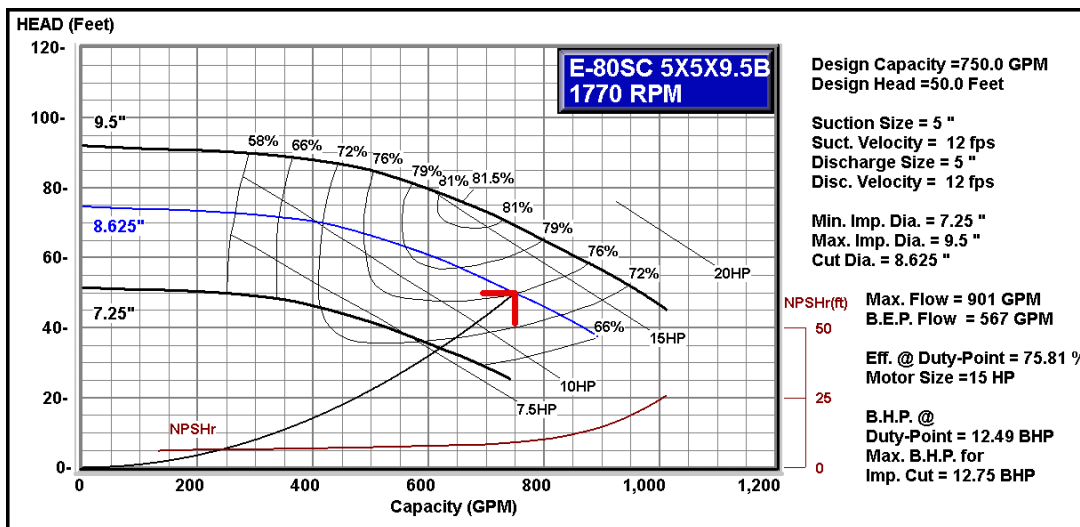
- ☒ In-Line Piping ☐ Flange Supports

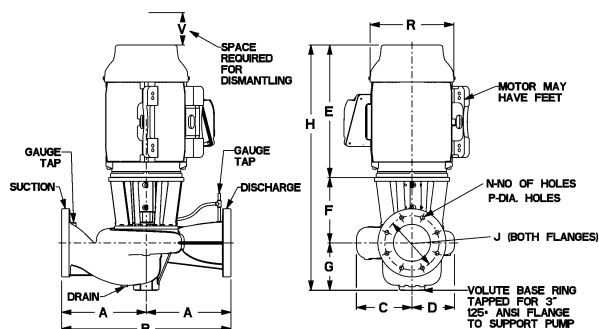
PUMP VARIABLE SPEED CONTROL

- ☐ Integrated Technologic® Sensorless Control (ITSC)
- ☐ Integrated Technologic® (IT)
- ☐ External input by others
- ☐ Pressure Sensor(s)
- ☐ Differential Pressure Sensor(s)
- ☐ Flow Sensor(s)
- ☒ By Others

TYPE OF FLUSHED SEAL

- ☒ Standard Inside Unitized
(EPR/Carbon-Ceramic)
- ☐ Inside Unitized
(EPR/Carbon-Tungsten Carbide)-250#
- ☐ Inside Unitized
(FKM/Carbon-Ceramic)
- ☐ Other seal, see description
- ☐ Outside
(EPR/Carbon-Ceramic)-250#
- ☐ Outside
(FKM/Carbon-Ceramic)-250#





5x5x9.5B

Series e-80SC

Centrifugal Pump Submittal - In-Line Piping

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			250# ANSI			R	V (min)	Suct/Disch Gauge Taps (NPT)	Drain Tap (NPT)
									J	N	P	J	N	P				
213TC	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	14.88 (378)	12.25 (311)	7.70 (196)	34.83 (885)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	10.63 (270)	5.00 (127)	0.25	0.25
215TC	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	14.88 (378)	12.25 (311)	7.70 (196)	34.83 (885)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	10.63 (270)	5.00 (127)	0.25	0.25
➡ 254TC	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	19.44 (494)	12.25 (311)	7.70 (196)	39.39 (1000)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	12.31 (313)	5.00 (127)	0.25	0.25
256TC	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	21.19 (538)	12.25 (311)	7.70 (196)	41.14 (1045)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	12.31 (313)	5.00 (127)	0.25	0.25

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			250# ANSI			R	V (min)	Suct/Disch Gauge Taps (NPT)	Drain Tap (NPT)
									J	N	P	J	N	P				
100L	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	12.69 (322)	12.25 (311)	7.70 (196)	32.64 (829)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	8.25 (210)	5.00 (127)	0.25	0.25
112M	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	13.56 (344)	12.25 (311)	7.70 (196)	33.51 (851)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	9.31 (237)	5.00 (127)	0.25	0.25
132	14.50 (368)	29.00 (737)	7.02 (178)	9.57 (243)	17.13 (435)	12.25 (311)	7.70 (196)	37.08 (942)	8.50 (216)	8 (22)	0.88 (22)	9.25 (235)	8 (22)	0.88 (22)	10.81 (275)	5.00 (127)	0.25	0.25

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

Patterson – GCTE HVAC

2655 S. Le Jeune Rd. #709

Suite 709

Coral Gables, FL 33134

Phone: (305) 774-5794

Fax: (305) 774-9654

E-mail: angie@garciacolas.com

**Customer Quote****Customer Info**

INTEG
Panama
Alba Galaviz

Quote No 5633

HXMF012W000758

Date

5/31/17

Project Name

Proyecto RD

Customer PO

Line	Qty.	Description	Unit Price Ea.
		Pumps	
1	1	Patterson Vertical In-Line Close Coupled HVAC PUMP Pump Tag: NS Model: V8C9A-CC CW Rotation Impeller Dia.: 8.063 Pump Size: 8x8x9.5 Rated RPM: 1780 750GPM 50TDH Calculated Efficiency @ Duty Point: 77.4% Brake HP: 12.51 Non-Overloading HP: 14.73 NPSHR (feet): 8.6 Maximum Pump Working Pressure: 175 # Motor: 60HZ - 230/460V - 15.00HP - TEFC - PE - 254JM Baldor Model #:EJMM2333T Base Plate: NONE - 125# Discharge Steel Shaft - Stainless Sleeve - CSC Seal Copper Flush Line Tubing & Fittings Pump Weight: 792 lbs. Line Item Minimum Lead Time 7 Business Days	\$2,335
		Accessories	
2	1	ASSEMBLY 8"X8" SUCTION DIFFUSER 303 lbs.	\$749
3	1	VLV TRI DTY 125# FLG 8" Revised 165 lbs.	\$1,109
4	2	FLEX CONN SINGLE SPHERE 8" 42 lbs.	\$151
		Totals	
		Customer Price of:	\$4,495
		Shipping Cost Not Included In Pricing	\$340
		Total	\$4,835

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Suite 709

Coral Gables, FL 33134

Phone: (305) 774-5794

Fax: (305) 774-9654

E-mail: angie@garciacolas.com



Customer Quote



Terms & Conditions

We are pleased to offer the above listed pumps, accessories, and/or parts for your review. All orders are subject to the standard terms and conditions of Patterson Pump Company.

Shipping Notes

FOB Miami/Our warehouse

Delivery time 4 weeks

Prices are good for 30 days



Toccoa, Georgia
U.S.A.

VIL VERTICAL INLINE PUMPS OUTLINE DIMENSIONS, TYPE CC, 1800 RPM

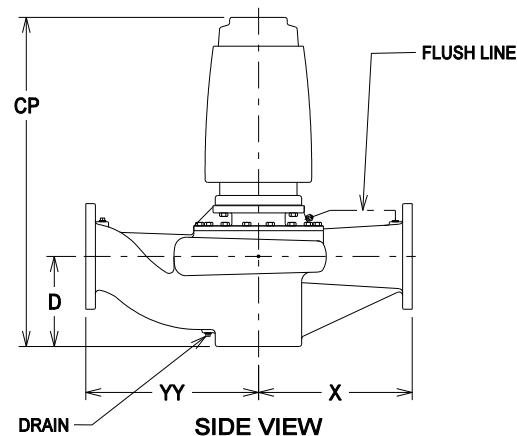
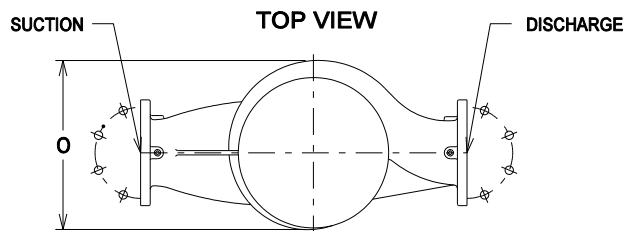
SECTION **3.0**

PAGE **5.1**

DATE: **MAR 1, 2009**

NOTE: ALL DATA SUBJECT TO CHANGE. CONTACT FACTORY FOR CERTIFIED DATA.

ALL DIMENSIONS ARE IN INCHES



NOTE: 1/4" NPT SUCTION & DISCHARGE
GAUGE TAP CONNECTIONS

MODEL	DISCHARGE SIZE	SUCTION SIZE	DISCHARGE FLANGE DRILLING		SUCTION FLANGE DRILLING	*** WORKING PRESSURE	MOTOR FRAMES	CP * (MAX.)	D	O	X	YY
			STD	OPT								
V1.5A7A-CC	1.5	1.5	125#		125#	175	143-145 JM	20 1/16	4 1/4	10	7 1/2	7 1/2
V2B7A-CC	2	2	125#		125#	175	143-145 JM	20 3/4	4 7/8	10 1/2	8	8
V2C7A-CC			125#		125#	175	182 JM	21 3/16	4 3/4	10 1/4	8	8
V2A9A-CC			125#	250	125#	**	145 JM	20 3/16	4 1/2	12 1/2	9 1/4	9 1/4
V2A9A-CC			125#	250	125#	**	182-184 JM	20 11/16	4 1/2	12 1/2	9 1/4	9 1/4
V3D7A-CC	3	3	125#		125#	175	143-145 JM	20 5/8	6 1/8	11	9 1/2	9 1/2
V3C9A-CC			125#	250	125#	**	182-184 JM	23 3/8	6 1/8	13 1/4	11	11
V3A13A-CC			125#		125#	175	215 JM	26 1/2	6 1/4	17 1/16	12 3/4	12 3/4
V3B11A-CC			125#	250	125#	**	254-256 JM	32 1/16	6 1/4	17 1/16	12 3/4	12 3/4
V4D7A-CC	4	4	125#		125#	175	284 JM	31 13/16	7 3/32	14 7/8	11 1/2	12
V4C9A-CC			125#	250	125#	**	213-215 JM	27 9/16	7 1/8	11 5/8	11	12
V4B11A-CC			125#	250	125#	**	254 JM	32 3/16	7 7/16	13 11/16	13	13
V4A13A-CC			125#		125#	175	215 JM	27 3/4	7 1/2	16	14	14
V4A13A-CC			125#		125#	175	254-256 JM	33 3/8	8	17 15/16	15	15
V4A13A-CC			125#		125#	175	284-286 JM	34 1/16	8	17 15/16	15	15

MOTOR FRAME SELECTIONS - 3PH / 60 CYCLE

HORSEPOWER	3600	1800	1200	HORSEPOWER	3600	1800	1200
1/2			143JM	15	215JM	254JM	284JM
3/4			143JM	20	254JM	256JM	286JM
1		143JM	145JM	25	256JM	284JM	324JM
1 1/2	143JM	145JM	182JM	30	284JM	286JM	326JM
2	145JM	145JM	184JM	40	286JM	324JM	364JM
3	145JM	182JM	213JM	50	324JM	326JM	365JM
5	182JM	184JM	215JM	60	326JM	364JM	
7 1/2	184JM	213JM	254JM	75	364JM	365JM	
10	213JM	215JM	256JM				

* DIMENSION MAY VARY SLIGHTLY WITH MOTOR MANUFACTURER

** 175 P.S.I. (125# FLANGE), 250 P.S.I. (OPTIONAL 250# FLANGE)

*** REFER TO WORKING PRESSURE VS. TEMPERATURE CHART FOR TEMPERATURE EFFECTS



Toccoa, Georgia
U.S.A.

VIL VERTICAL INLINE PUMPS OUTLINE DIMENSIONS, TYPE CC, 1800 RPM

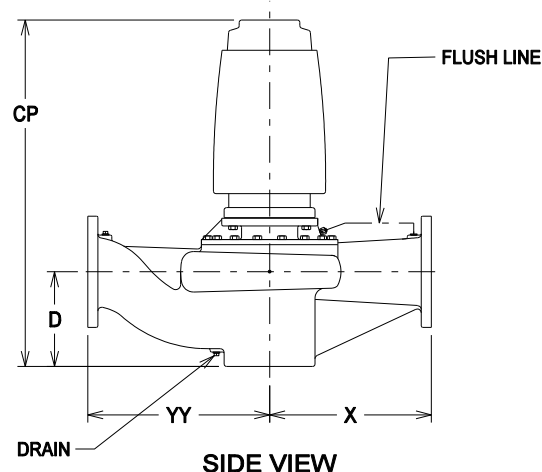
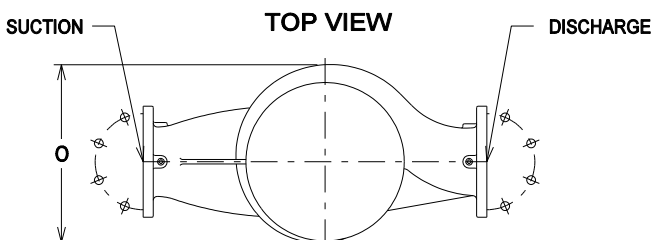
SECTION 3.0

PAGE 5.2

DATE: MAR 1, 2009

NOTE: ALL DATA SUBJECT TO CHANGE. CONTACT FACTORY FOR CERTIFIED DATA.

ALL DIMENSIONS ARE IN INCHES



NOTE: 1/4" NPT SUCTION & DISCHARGE
GAUGE TAP CONNECTIONS

MODEL	DISCHARGE SIZE	SUCTION SIZE	DISCHARGE FLANGE DRILLING		SUCTION FLANGE DRILLING	*** WORKING PRESSURE	MOTOR FRAMES	CP * (MAX.)	D	O	X	YY
			STD	OPT								
V5C7A-CC	5	5	125#		125#	175	182-184 JM	25 1/2	8 1/8	12 5/8	11	13 1/2
							213JM	27 1/8				
V5B9A-CC			125#		125#	**	184 JM	24 7/16	8 1/4	14 11/16	13	15
							213-215 JM	285/8				
							254 JM	32 5/8	8 1/2	17	15	15
V5A11A-CC			125#		125#	**	215 JM	29				
							254-256 JM	34 1/8				
							284-286 JM	35 11/16				
V6D9A-CC	6	6	125#		125#	175	215 JM	29 7/8	9 3/8	16 3/8	15	16
							254-256 JM	35 3/8				
							284-286 JM	36 1/2				
V6C11A-CC			125#		125#	175	256 JM	35 1/4	9 3/8	17 3/4	16	18
							284-286 JM	36 3/8				
V6B13A-CC			125#		125#	175	284-286 JM	36 3/4	9 5/8	19	18	19
V8C9A-CC	8	8	125#		125#	175	254-256 JM	38 1/2				
							284-286 JM	39 1/2				

MOTOR FRAME SELECTIONS - 3PH / 60 CYCLE

HORSEPOWER	3600	1800	1200	HORSEPOWER	3600	1800	1200
1/2			143JM	15	215JM	254JM	284JM
3/4			143JM	20	254JM	256JM	286JM
1		143JM	145JM	25	256JM	284JM	324JM
1 1/2	143JM	145JM	182JM	30	284JM	286JM	326JM
2	145JM	145JM	184JM	40	286JM	324JM	364JM
3	145JM	182JM	213JM	50	324JM	326JM	365JM
5	182JM	184JM	215JM	60	326JM	364JM	
7 1/2	184JM	213JM	254JM	75	364JM	365JM	
10	213JM	215JM	256JM				

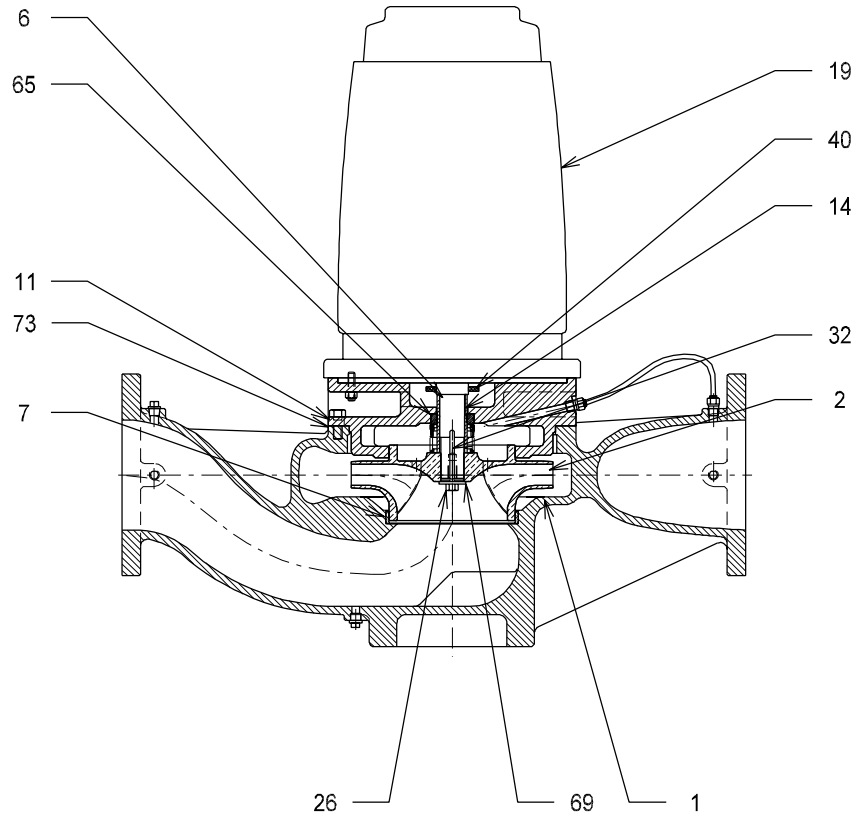
* DIMENSION MAY VARY SLIGHTLY WITH MOTOR MANUFACTURER

** 175 P.S.I. (125# FLANGE), 250 P.S.I. (OPTIONAL 250# FLANGE)

*** REFER TO WORKING PRESSURE VS. TEMPERATURE CHART FOR TEMPERATURE EFFECTS

TYPICAL ASSEMBLY SECTION VIL VERTICAL INLINE PUMPS

TYPE CC



FEATURES:

- ⊙ PRECISION CAST DYNAMICALLY BALANCED IMPELLER
- ⊙ CASING RING PROVIDED TO PROTECT CASING FROM WEAR
- ⊙ HYDROSTATICALLY TESTED
- ⊙ POSITIVELY LUBRICATED MECHANICAL SEAL (LUBE LINE)
- ⊙ IMPELLER BALANCE HOLES TO REDUCE AXIAL THRUST
- ⊙ BACK PULL-OUT DESIGN ALLOWS REMOVAL OF ROTATING ELEMENT WITHOUT DISTURBING SUCTION AND DISCHARGE CONNECTIONS

ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
1	CASING	Cast Iron - ASTM A48-CL30	26	IMPELLER SCREW	Stainless Steel - Type 304
2	IMPELLER	Bronze - ASTM B584-875	32	IMPELLER KEY	Stainless Steel - ASTM Type 304
6	MOTOR SHAFT	Steel	40	DEFLECTOR	Nitrile
7	CASING RING	Bronze - ASTM B505-932	65	MECHANICAL SEAL	316 S.S. / Carbon VS. Silicon Carbide
11	VOLUTE COVER	Cast Iron - ASTM A48-CL30	65	MECHANICAL SEAL (OPTIONAL)	316 S.S. / Tungsten Carbide VS. Tungsten Carbide
14	SHAFT SLEEVE	Bronze - ASTM B505-932	69	IMPELLER WASHER	Stainless Steel AISI 416
14	SHAFT SLEEVE (OPTIONAL)	416 S.S.	73	GASKET	Vellumoid
19	MOTOR	Mfg. Std.			



PATTERSON PUMP COMPANY

A Subsidiary of The Gorman-Rupp Company

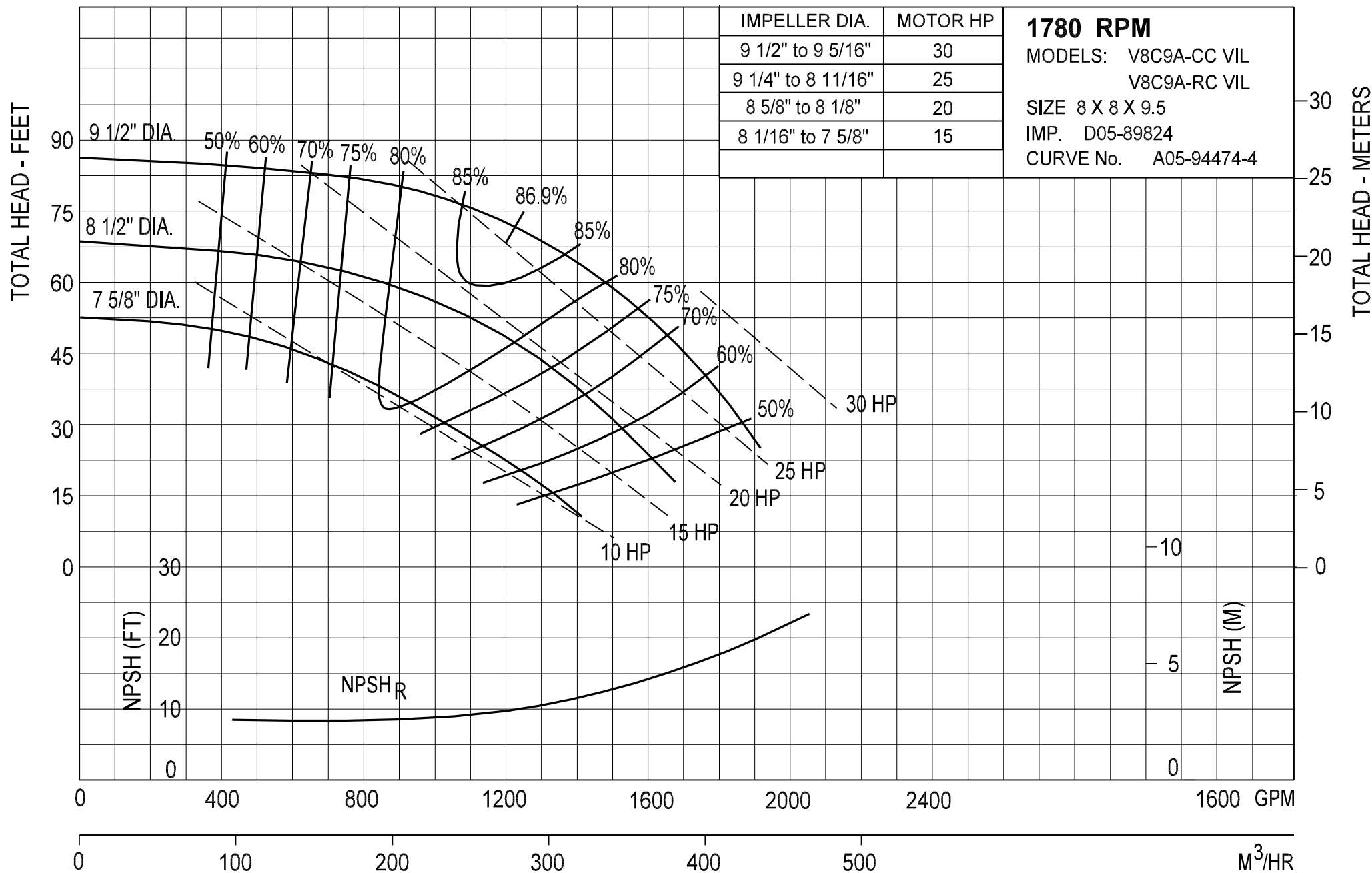
P. O. Box 790

Toccoa, Georgia 30577

Telephone 706-886-2101

Fax 706-886-0023

www.pattersonpumps.com



**Northern Equipment Supply Int'l, LLC**

5757 Blue Lagoon Drive, Suite 140, Miami, FL 33126

Phone: 305-596-7451. Fax: 305-596-6044

Email: sales@nesisolutions.comWebsite: www.nesisolutions.com

FEI No. 20-8207605

PROPOSAL

No. 178182

Date: 03/21/2017

Page: 1 of 1

Customer:

Integca Corp.
Eng. Randolp Matos
3636 Sherwood Forest Suite 690
70816 Baton Rouge LA
USA

Payment Terms: Prepaid
Valid Until: 04/20/2017
Project Name: Bombas República Dominicana

Item #	Product	Qty.	Unit Price	Ext. Price
1	5x5-13 REI B-01 American Marsh Pump Vertical in Line Pump 5"x5". Specifications per Submittal	1	\$ 4,199.00	\$ 4,199.00
2	5x5-8 REI B-02 American Marsh Pump Vertical in Line Pump 5"x5". Specifications per Submittal	1	\$ 2,765.00	\$ 2,765.00
3	300TSVN-050 Triple Duty Valve, Flanged Triple Service Valve, 5"	2	\$ 751.22	\$ 1,502.44
4	300SD0505 Suction Diffuser #125, System Flange 5" x Pump Flange 5"	2	\$ 350.00	\$ 700.00
5	300BFV060L Butterfly Valve, Lug Style: Di Body, 316SS Disc, EPDM Seat, 316SS Stem, 6", Operator 10-Position	4	\$ 183.54	\$ 734.16

Proposal Totals:

Currency: US Dollar
Subtotal: \$ 9,900.60
Shipping (Taxed): \$ 90.00
Shipping Provider: (none)
Total: \$ 9,990.60

Notes

Rev-02

Entrega en fábrica (EXW) con flete estimado hasta su embarcador en Miami.
Tiempo de entrega estimado en fábrica: 6 semanas.

- Términos & Condiciones de Venta anexos / Terms & Conditions of Sales attached.

TERMINOS & CONDICIONES DE VENTA:

- Precios EXW expresados en dólares de los EEUU (US\$) y no incluyen fletes, manejo, seguros, servicios de campo, instalación, arranque o ingeniería, fees, impuestos locales o internacionales, accesorios, otros servicios o entregas en fechas específicas, a menos que este expresamente indicado por escrito en esta cotización.
- Los precios cotizados se corresponden a las cantidades indicadas arriba por escrito. Si estas cantidades cambian, entonces el precio final también puede cambiar.
- Los precios son válidos por 30 días y no incluyen ninguna otra obligación diferente al ítem descrito. Después de este periodo de 30 días, los precios pueden estar sujetos a cambios. El término estándar de pago de todas las órdenes de exportación es pre-pagado, es decir, la orden debe estar pagada antes de salir de los EEUU.
- Cualquier otro término de pago debe ser aprobado por escrito por el vendedor. Los pagos deben ser recibidos acorde con los términos establecidos para cada orden de compra o contrato que se celebre. Los gastos bancarios relacionados con cualquier pago corren por cuenta del cliente o comprador.
- Los tiempos de entrega indicados son los tiempos estimados proporcionados por los fabricantes. Las fechas de entrega son definidas últimamente por el fabricante, y están sujetas a cambios por imprevistos y/o causas de fuerza mayor. El vendedor no es responsable por retrasos en las entregas de los fabricantes, ni de los transportistas.
- El cliente autoriza la facturación y entrega de despachos parciales de la mercancía ordenada, proveniente de fuentes diversas o cuando esté disponible más temprano de lo esperado.
- El término estándar de despacho es Incoterm EXW (Fabrica o Almacén), por lo que el comprador acepta que cualquier orden se despacha desde la fábrica hasta el sitio de destino indicado por el comprador bajo su consentimiento y responsabilidad, y cualquier daño que sufra la mercancía durante la transportación, deberá ser reclamado al transportista. El vendedor hará lo que este a su alcance para ayudar al comprador a resolver cualquier problema de daño o pérdida ocurridos durante la transportación. El comprador deberá asegurarse de que los entes o personas a los que haya designado como responsables de recibir su mercancía, se aseguren de que la misma es recibida en buenas condiciones y sin daños. Cualquier daño que se observe en la recepción de la mercancía debe ser reportado de inmediato al vendedor, a fin de seguir los procedimientos a que hubiere lugar con la compañía transportista de forma expedita en el caso de cualquier reclamo por daños.
- Las ventas son finales. No están permitidas las devoluciones a menos que sean aprobadas por escrito por el fabricante. Cualquier devolución está sujeta a cargos del 30% por evaluación, transporte y re-almacenaje.
- No se pueden cancelar órdenes de compra colocadas en firme, a menos que ello sea aprobado por escrito por el fabricante. Se aplicarán las penalidades que impongan los fabricantes en la eventualidad de que una cancelación sea aprobada.
- El empaque estándar es del tipo doméstico suministrado por la fábrica. Cualquier otro empaque especial tiene un costo adicional.
- Ningún ítem debe ser re-vendido o re-exportado en violación de las leyes de los EEUU.
- La garantía que ofrece el fabricante constituye la única garantía que respalda a los ítems cotizados o comprados. No existe ninguna otra garantía, ni explícita, ni implícita. El vendedor no es responsable por defectos de fabricación de los equipos vendidos. En caso de un reclamo por garantía, el comprador deberá suministrar al vendedor toda la información necesaria y exigida por el fabricante a fin de procesar dicho reclamo. El fabricante será quien finalmente decida si un reclamo en particular aplica o no a los remedios que ofrece la garantía. El vendedor no es responsable por gastos de mano de obra, servicios, fletes, impuestos, accesorios, piezas y cualquier otro gasto que se derive del procesamiento de un reclamo de garantía. La entrega de piezas y partes relacionadas con un reclamo de garantía se hará en el lugar de entrega inicial de los equipos sujetos al reclamo.
- La propiedad de los bienes objeto de la venta permanecerá en poder del vendedor hasta que estos sean pagados por el comprador en su totalidad.
- Cualquier disputa se procesará primariamente a través del arbitraje, y acorde con las leyes de los EEUU. Cualquier proceso de arbitraje será realizado en Miami, Florida, EEUU, a menos que las partes acuerden lo contrario por escrito.

TERMS & CONDITIONS OF SALE:

- Prices are EXW and expressed in US\$. They do not include shipping, handling, insurances, commissioning, start-up, installation, fees, taxes, accessories, other services or deliveries in specific dates unless written in this quotation.
- Prices shown above are firm and will remain in effect for 30 days. After this period, prices are subject to changes.
- Prices quoted correspond to the quantities and descriptions shown above. If such quantities or description change, then the final prices may also change.
- Standard Payment Terms for all orders for exportation is prepaid. This means all orders must be paid before leaving USA. Any other payment term must be expressed in writing in this quotation and agreed by the seller.
- Payments should be received as agreed. All banking charges related to payments are customer's responsibility.
- Delivery times are estimated. Final delivery time will be provided solely by the manufacturer and they are subjected to delays caused by major unexpected events out of seller's control. The seller shall not be responsible for delays in delivery.
- The customer authorizes the invoicing and shipping of partial shipments when items come from different sources or they are available early than expected.
- Standard shipping term is Incoterm EXW Factory or EX-Warehouse. The customer agrees that items are shipped under his/her responsibility. Any damages occurred during transportation should be claim against the carrier. Vendor will do anything possible to help customer to solve any claims of this nature. Delivery site responsible must report any damage cause during transportation in writing in the carrier's delivery receipt in order to handle any claim. Failure to report any damage as required will void any claim for damages occurred during transportation.
- All sales are final. No Returns are allowed unless approved in written by the manufacturer. 30% fee will apply for transportation, evaluation and restocking.
- Purchase orders cannot be cancelled unless approved in writing by the manufacturer. Penalties may be imposed according to manufacturing policies on this matter.
- Standard packaging is the one provided for domestic transportation. Any special packaging has an additional cost.
- Items should not be resold or re-exported in violation of US law.
- The Factory Warranty constitutes all the Warranties with respect to the sale of the item or items. The seller assumes no responsibility for any liabilities for labor or defective material. For any warranty claim, the customer agrees to provide the vendor with all of the information required by the factory. The manufacturer will finally decide if a particular claim is valid or not. The seller is not responsible for any labor, services, freight, fees, taxes, accessories part or any other expense related to any warranty claim. Any part accepted to be replaced by factory will be delivered to the original site where equipment related to the claim was delivered.
- Title to goods delivered shall remain vested in the seller until paid in full.
- For any dispute, the customer agrees to settle it primarily in arbitration in accordance with USA laws, unless the parties agree otherwise in writing, such arbitration will be conducted in Miami, Florida, USA.

Item number	: B-02	Size	: 5x5-8 REI
Service	: 720gpm@49.2ft	Stages	: 1
Quantity	: 1	Based on curve number	: 4x5-8 RE
Quote number	: 178182	Date last saved	: 21 Mar 2017 10:00 AM

Operating Conditions

Flow, rated	: 720.0 USgpm
Differential head / pressure, rated (requested)	: 49.20 ft
Differential head / pressure, rated (actual)	: 49.81 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Frequency	: 60 Hz

Performance

Speed, rated	: 1750 rpm
Impeller diameter, rated	: 7.69 in
Impeller diameter, maximum	: 8.50 in
Impeller diameter, minimum	: 6.88 in
Efficiency	: 79.31 %
NPSH required / margin required	: 7.42 / 0.50 ft
Ns (total flow) / Nss (imp. eye flow)	: 2,098 / 10,305 US Units
MCSF	: -
Head, maximum, rated diameter	: 63.27 ft
Head rise to shutoff	: 28.57 %
Flow, best eff. point	: 672.9 USgpm
Flow ratio, rated / BEP	: 107.00 %
Diameter ratio (rated / max)	: 90.44 %
Head ratio (rated dia / max dia)	: 75.33 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

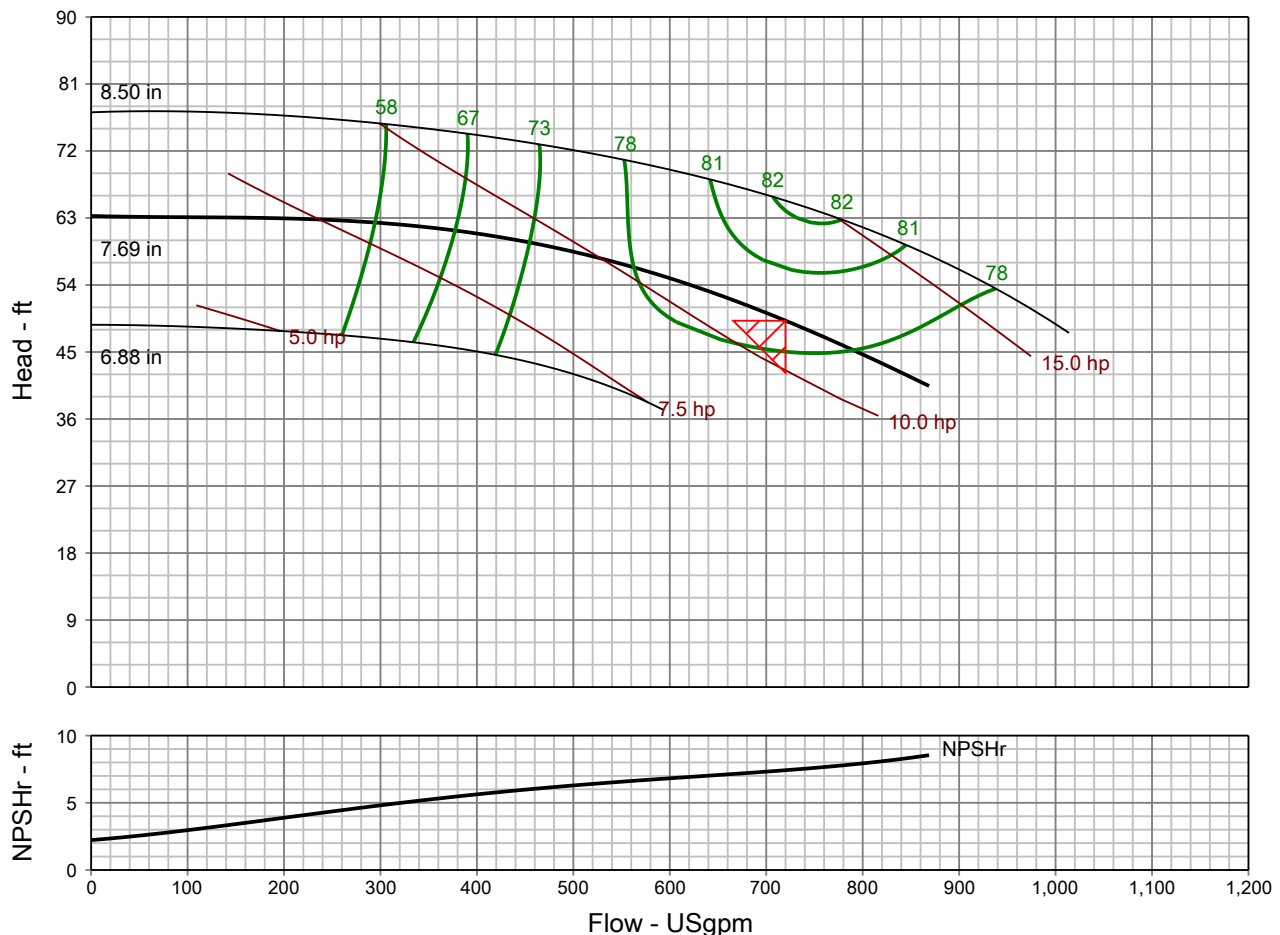
Material selected	: Cast iron-304ss fitted
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Pressure Data

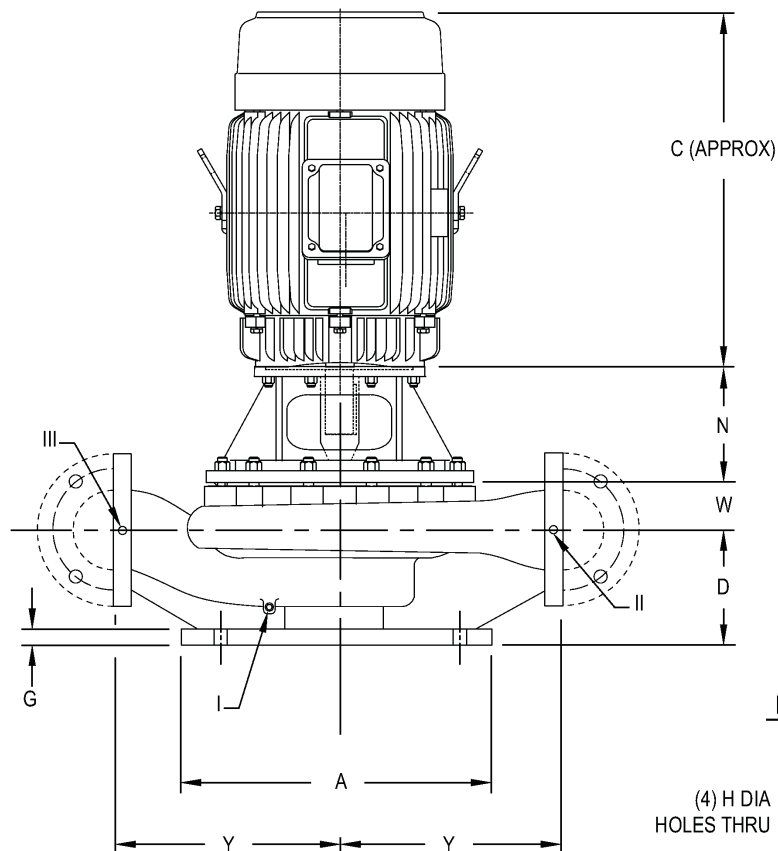
Maximum working pressure	: 27.38 psi.g
Maximum allowable working pressure	: 200.0 psi.g
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: 300.0 psi.g

Driver & Power Data (@Max density)

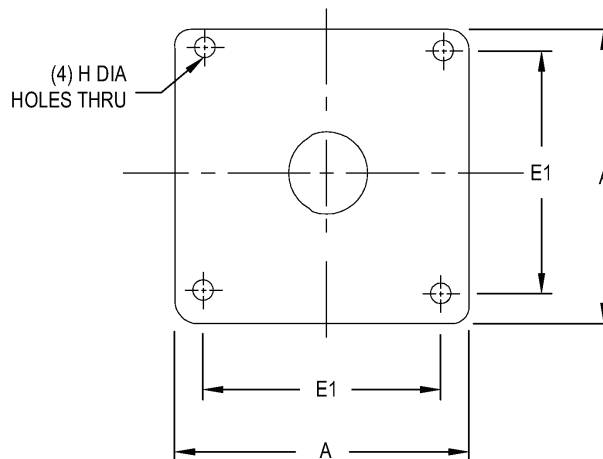
Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.15
Power, hydraulic	: 8.95 hp
Power, rated	: 11.28 hp
Power, maximum, rated diameter	: 11.76 hp
Minimum recommended motor rating	: 15.00 hp / 11.19 kW



GENERAL ARRANGEMENT DRAWINGS



INTEGRAL BASE DIMENSIONS



NOTES

All Dimensions Are In inches ± 0.38 in
Not For Construction Unless Certified By Engineering

Base	Base WT	HA	HB	HD	HE	HF	HG	HH
---	---	---	---	---	---	---	---	---

Model	A	B	C	CP	D	E1	E2	F1	F2	G	H	H1	K	N	T	U	W	X	Y
5x5-8 REI	11.81	-	22.00	-	8.69	9.875	-	-	-	0.813	0.875	-	-	5.69	-	-	3.062	-	12.813

END SUCTION PUMP

REI Series

-

PUMP DATA

Casing Matl	Cast Iron	Shaft Matl	416/420SS Shaft with Sleeve
Impeller Matl	304SS	Sleeve Matl	304SS
Disc. Position	-	RPM	1750 rpm
Pump WT	211.0 lb	Est. Shipping WT	528.0 lb

GENERAL DATA

Flow	720.0 USgpm	Head	49.20 ft
Liquid	Water		
Liquid Temp	68.00 deg F	SG	1.000 SG
Viscosity	1.00 cP		

MECHANICAL SEAL DATA

Mfr	American-Marsh	Type	810
Size	1.63 in	API Code	None

COUPLING DATA

Mfr	-	Type	-
Size	-	Cplg Guard By	-
Matl	-		

MOTOR DATA

Mfr	TECO	Frame	254TC
Pump Pwr Max	11.76 hp	Pump Pwr Rated	11.28 hp
Enclosure	TEFC	RPM	1800
Rotation	-	Phase	3
Cycles	60	HP	15
Motor WT	318.0 lb	Volts	230/460

PUMP FLANGES

Flange	Size	Rating (ANSI)	Facing
Suction	5.00 in	125#	Flat
Discharge	5.00 in	125#	Flat

TAP

TAP CONNECTION

I	Casing Drain Connection (3/8"-18NPT)
II	Discharge Nozzle Connection (3/8"-18 NPT)
III	Suction Nozzle Connection (3/8"-18 NPT)
IV	-
V	-
VI	-

CERTIFICATION CONTENT

Customer	
Service	720gpm@49.2ft
Date	-
P.O. Number	-
Item Number	B-02
Certified For	-
Certified By	-



WARNING
DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY

5x5-8 REI

Integ Panama
Av Balboa Balboa Plaza
Of 412 Piso 4
Panama
Capital
1000
Panama

Ref: 615438.1 rev1
Date: June 01, 2017

Attention: ALBA GALAVIZ
Email: agalaviz@integpa.com
Subject: RD epoxy pump

We thank you for your recent valued enquiry and are pleased to provide our quotation for the supply of the equipment required.

We would ask that you review our quotation to ensure that we have interpreted your requirements correctly.

Armstrong Fluid Technology provides innovative solutions to fluid movement problems that focus on saving money during the installation phase and operational costs during the life of the equipment. Packaged Systems are available for most of our equipment offering.

Should you have any further questions or concerns, please contact us at your earliest convenience.

TORONTO

+1 416 755 2291

BUFFALO

+1 716 693 8813

Yours Sincerely,

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Oscar Perez

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SHANGHAI

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ARMSTRONG FLUID TECHNOLOGY
ESTABLISHED 1934

ARMSTRONGFLUIDTECHNOLOGY.COM

Armstrong Fluid Technology
23 Bertrand Avenue
Toronto, Ontario
Canada, M1L 2P3
T(416) 755-2291



Executive Summary

OSCAR PEREZ

Project Name: RD epoxy pump

Ref. #: 615438.1.1

Location:

Line Items	Product Description	Total
1	Flo-Trex Valves	\$2,537.39
1	Pumps	\$4,746.09
1	Suction Guide	\$1,554.35

Sub Total \$8,837.83

Overall Total: \$8,837.83

Armstrong's standard terms and conditions apply.

Armstrong Fluid Technology
23 Bertrand Avenue
Toronto, Ontario
Canada, M1L 2P3
T(416) 755-2291



Quote Summary

OSCAR PEREZ

Project Name: RD epoxy pump

Ref. #: 615438.1.1

Location:

Tag#	Qty:	Description:	Price:	Ext Price:	Lead Time
Multi Valve	1	Flo-Trex Valves FTV-6FS-Flo-Trex Valve-ANSI-125-Straight Flanged	\$2,537.39	\$2,537.39	8 wks
BAH	1	Pumps 4380-4x4x8-15 hp Pump (Motor supplier: Armstrong choice)	\$4,746.09	\$4,746.09	8 wks
Suction Guide	1	Suction Guide SGG-44-Suction Guide-GRV-ANSI-125	\$1,554.35	\$1,554.35	8 wks

Sub Total: **\$8,837.83**

Total: **\$8,837.83**

Submittal

Ref. #: 615438.1 rev1

Close coupled vertical in-line pump

Model: Series 4380-4x4x8-15 hp Pump (Motor supplier: Armstrong choice)

Project name: RD epoxy pump

Location:

Date submitted: 5/31/2017 11:28:06 AM

Engineer:

Contractor:

Representative: Protec Inc.

Phone number:

e-mail: operez@protecinc.com

Submitted by: Oscar Perez

Application design data

Tag number:	BAH	Pipe orientation:	Single
Service:		Suction pressure:	0 ft
Location:		Fluid:	Water:
Quantity:	1	Operating temperature:	60 F
Duty flow per pump:	750 USgpm	Viscosity:	31 SSU
Duty head:	50 ft	Specific gravity:	1.0000
Total dissolved solids:	0 ppm		

Materials of construction

Construction:	BF	Impeller:	Bronze (B584-844)
Rating:	ANSI-125	Shaft sleeve:	316 SS
Connections:	Inlet: 4 in, Outlet: 4 in	Casing gasket:	Confined Non-Asbestos Fiber
Casing (volute):	Cast Iron (A48-30)	Flush line:	Braided Stainless Steel

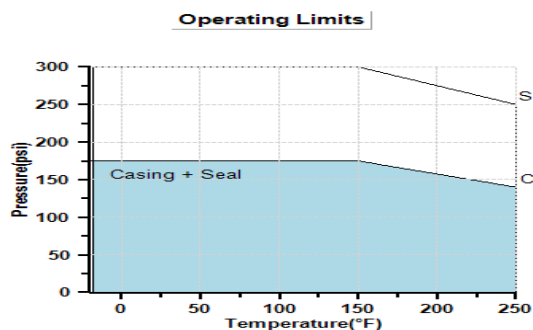
Mechanical seal data

Seal type	Inside Single Spring	Rotating face:	Resin Bonded Carbon
Manufacturer code:	C-ssc L EPSS 2A	Stationary seat:	Sintered Silicon Carbide
Springs:	Stainless Steel	Secondary seal:	EPDM
Rotating hardware:	Stainless Steel		

Motor electrical data

Supplier:	Factory Choice	Insulation class:	Class F Insulation
Size:	15 hp	Inverter motor type:	Not applicable
Frame number:	254JM	Efficiency:	Energy Eff (12.11)
Enclosure:	TEFC	Speed:	1770 rpm
Motor Electrics:	460/3/60		

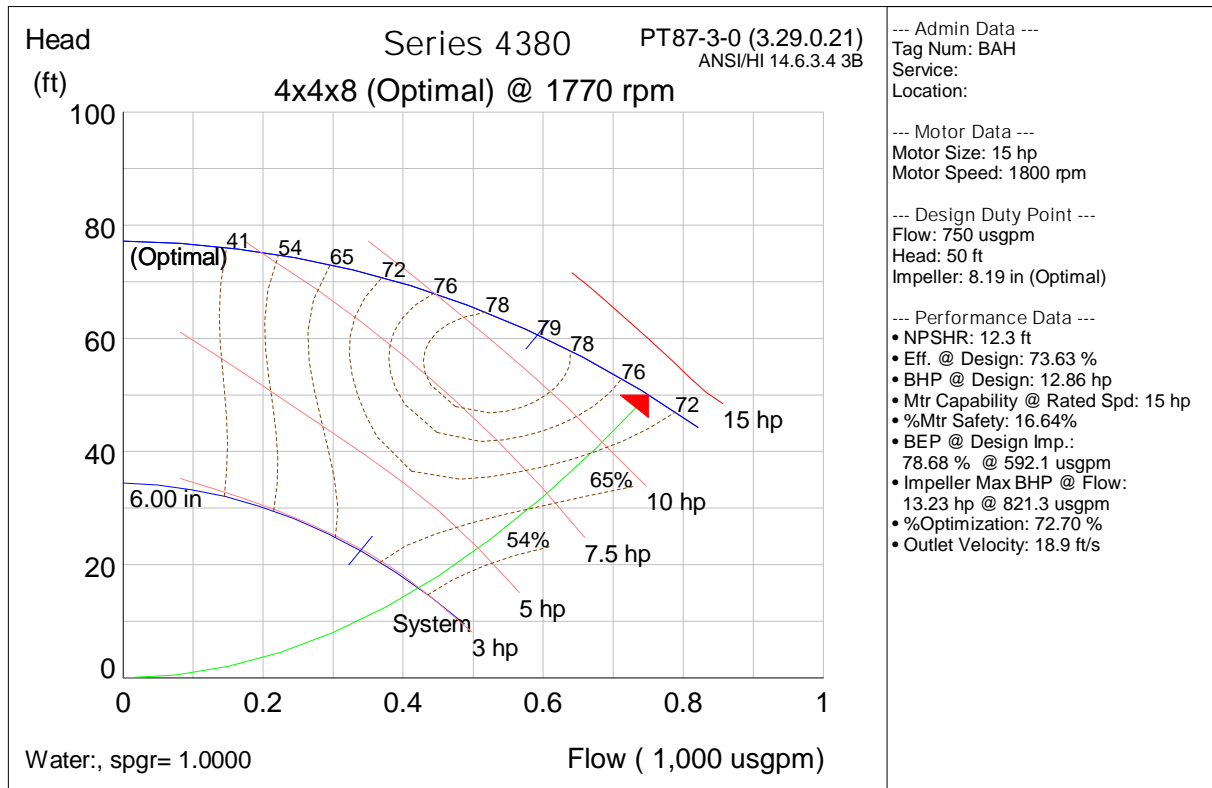
Operating limits (temperature - pressure)



Maximum pressure: 175 psi

Maximum temperature: 250 F

Pump casings are hydrostatically tested to 150% of maximum pump working pressure rating.

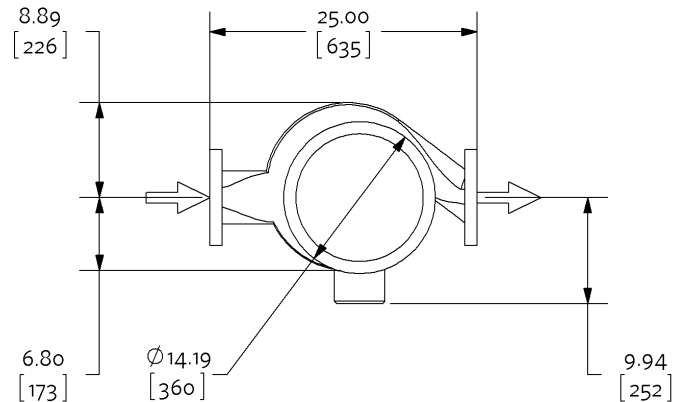
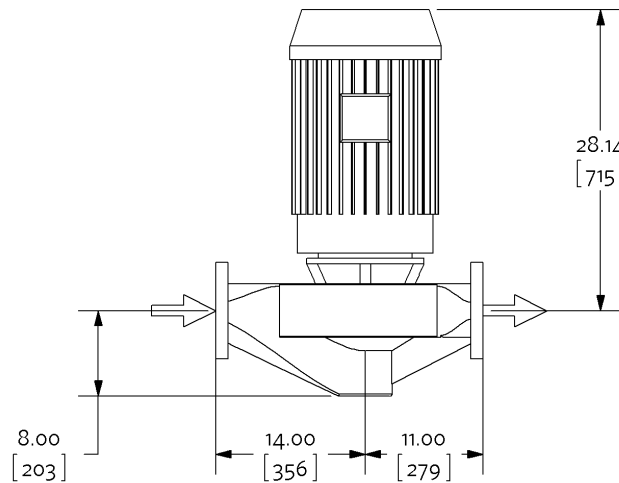


Dimensional data (not for construction)

Side view

Top view

R: 5.00
[127]



Weight: 511 lb

- Not to scale
- R = minimum lifting clearance required above motor
- Units of measure : inches [millimeters]
- Coupling guard and flush line (not shown) are supplied
- Tolerance of ± 0.125 inch (± 3 mm) should be used
- For certified dimensions, please contact your Armstrong representative
- Pump equipped with casing drain plug and $\frac{1}{4}$ inch NPT suction and discharge gauge ports

Connection details

Connection	Size	Rating	OD	Bolt quantity*	BCD	Bolt size
Inlet	4	ANSI-125	9	8	7.5	0.625
Outlet	4	ANSI-125	9	8	7.5	0.625

*Equally spaced straddling centreline

Custom options

Epoxy treatment on pump volute only

Special instructions**Selected options**

Pump Cyclone Separator with Sight Flow Indicator (250 psi) [fis]

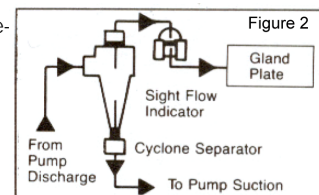
Additional equipment

Flotrex: FTV-6FS (570201-380)

Suction Guide: SGG-44 (546861-021)

Cyclone Separator with Sight Flow Indicator (250psi)

A cyclone separator and sight flow indicator are factory installed in the flush line. This arrangement is maintenance-free, but a differential pressure of 30psig or greater across the pump is required for effective operation.



Submittal

Ref. #: 615438.1 rev1

Flo-trex valve

Model: FTV-F (2.5 to 12 inch)

Project name: RD epoxy pump

Location:

Representative: Protec Inc.

Date submitted: 5/31/2017 11:28:06 AM

Phone number:

Engineer:

e-mail: operez@protecinc.com

Contractor:

Submitted by: Oscar Perez

Application design data

Tag	Qty	Model	Size	Config	Flange rating	Design flowrate	Pressure Drop*	Associated pump
Multi Valve	1	FTV-6FS	6 in	Straight Flanged	ANSI-125	750.0 USgpm	1.5 psi	Multi Valve 4380-4x4x8-15 hp Pump (Factory Choice Motor)

*at design flow

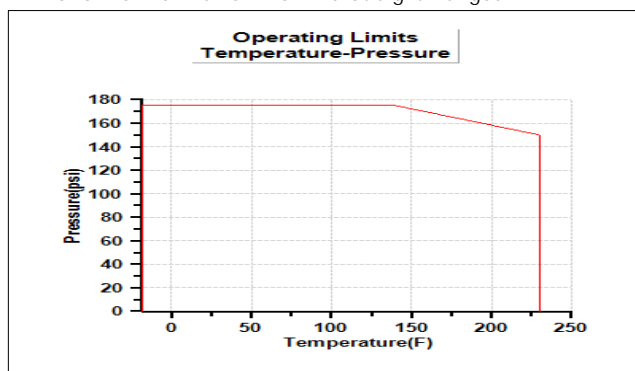
Materials of construction

FTV-6FS-Flo-Trex Valve-ANSI-125-Straight Flanged				FTV-Flanged-2.5-12			
Body:	Cast Iron ASTM A48 Class 30 with Epoxy coating			Spring:	Stainless Steel ASTM A313 Type 302		
Disc:	Bronze ASTM B584-C84400			O rings:	BUNA (STEM) Elastomers & EPDM		
Seat:	EPDM			2 metering ports:	Brass Body with EPDM Check and Gasketed Cap		
Stem:	Stainless Steel ASTM A582 Type 416			2 drain tappings:	¼" NPT with Brass Plug		

NOTE : Lead time will be affected because of Anti-Corrosive Coating Selection.

Operating limits (temperature - pressure)

FTV-6FS-Flo-Trex Valve-ANSI-125-Straight Flanged



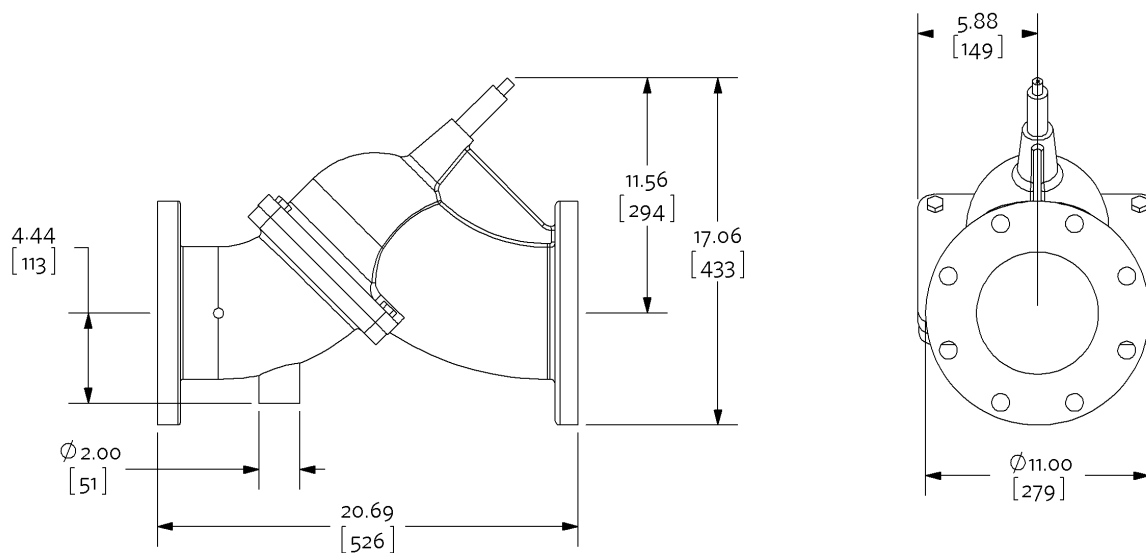
Maximum pressure: 175 psi

Maximum temperature: 230 F

Dimensional data (not for construction)

Side view

Front view



Not to scale

Units of measure: inches [millimeters]

Tolerance of +/- 0.125 inch (+/- 3 mm) should be used

For certified dimensions, please contact your Armstrong representative

Selected options - FTV-6FS-Flo-Trex Valve-ANSI-125-Straight Flanged

Anti-Corrosive Coating

Submittal

Ref. #: 615438.1 rev1

Suction guide

Model: SGG

Project name: RD epoxy pump

Location:

Representative: Protec Inc.

Date submitted: 5/31/2017 11:28:06 AM

Phone number:

Engineer:

e-mail: operez@protecinc.com

Contractor:

Submitted by: Oscar Perez

Application design data

Tag	Qty	Model	System	Pump	Design flowrate	Pressure Drop*	Associated pump
Suction Guide	1	SGG-44	4 in	4 in	750.0 USgpm	3.2 psi	Suction Guide 4380-4x4x8-15 hp Pump (Factory Choice Motor)

*at design flow

Materials of construction

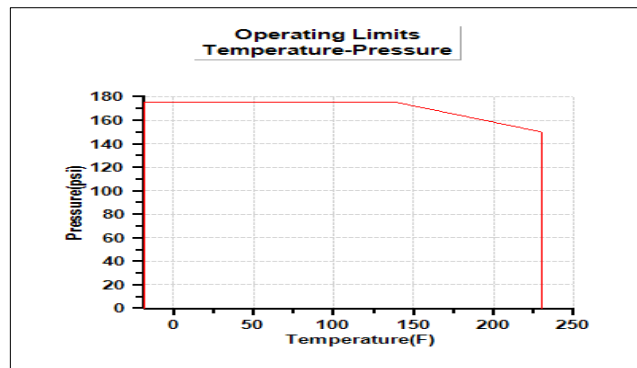
SGG-44

Body:	Ductile Iron with Epoxy coating	Cover gasket:	Synthetic fiber
Guide vanes:	Ductile Iron with Epoxy coating	Strainer:	Stainless Steel, 0.125"(3mm)Perf.
Cover plate:	Ductile Iron with Epoxy coating	Start-up strainer*:	Fine Mesh Galvanized Steel
NOTE : Lead time will be affected because of Anti-Corrosive Coating Selection.			

*Remove start up strainer after 24 hours

Operating limits (temperature - pressure)

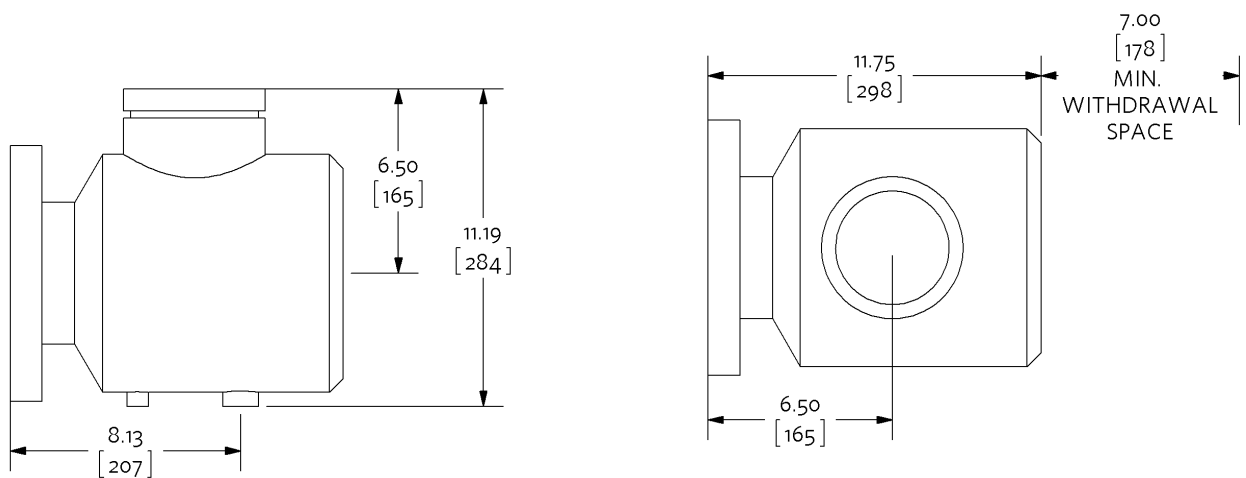
SGG-44-Suction Guide-GRV-ANSI-125



Maximum pressure: 175 psi

Maximum temperature: 230 F

Units are hydrostatically tested to 150% of maximum working pressure



Not to scale

Units of measure: inches [millimeters]

Tolerance of +/- 0.125 inch (+/- 3 mm) should be used

For certified dimensions, please contact your Armstrong representative

Selected options - SGG-44

Anti-Corrosive Coating



Proyecto: **INTEG**

Propuesta: Bomba Centrífuga Vertical

Solicitada por: Alba Galaviz
Tel.: 507-202-1021
Cel:
E-mail: agalaviz@integpa.com

Fecha: Junio 01, 2017

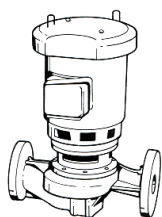
Preparada por: Juan Pineda
Av. Tiradentes #23, Plaza Hipotecaria Local 101, Naco
Santo Domingo, R. D.
Tel.: (809) 540-SAEG
Fax: (809) 541-1909
E-mail: jpineda@saeg.com

Date: Junio 01, 2017

Proyecto: INTEG
 Propuesta: **Bomba Centrifuga Vertical**
 Atención: Alba Galaviz
 Términos: **FOB Miami**

ITEM	CANT.	DESCRIPCION	VALOR TOTAL	
		Price		
1	1	B&G In-Line Pump Series e-80, Model 6 x 6 x 9.5B, SS, 15 HP, 1800 RPM, with 8.125" Impeller, STD-Buna/Carbon/Ceramic/SS/Bronze Seal, BG Choice, TEFC, Nema Premium Efficient, 230/460/3/60 Motor, 750 GPM, 50 FT TDH	5,974.00	5,974.00
2	1	Pintura Especial Epoxy para Ambientes Marinos	630.00	630.00
TOTAL FOB MIAMI			US\$	6,604.00

Tiempo de Fabricación: de 6 a 9 semanas después de ser colocada la orden a fábrica
Forma de Pago: 50% con la orden, 50% con la Entrega

**SUBMITTAL****B-139.34A****JOB:** Integ**REPRESENTATIVE:** Saeg Engineering Group**UNIT TAG:****ENGINEER:****CONTRACTOR:****ORDER NO.****SUBMITTED BY:****APPROVED BY:****DATE:** 5/31/2017**DATE:****DATE:**

6x6x9.5B Series e-80 In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW	750 (GPM)	HEAD	50 (FT)
HP	15	RPM	1800
VOLTS	230/460		
CYCLE	60	INPUT PHASE	3
ENCLOSURE	TEFC Nema Premium Efficient		
APPROX. WEIGHT	505		
SPECIALS			

MATERIALS OF CONSTRUCTION☒ Stainless Steel Fitted**MAXIMUM WORKING PRESSURE**

- ☒ 175 psi (12 bar) with 125# ANSI flange drilling
- ☐ 250 psi (17 bar) with 250# ANSI flange drilling (requires 80-S)
- ☐ 300 psi (21 bar) W.P. with 250# ANSI flange drilling (Requires -S and EPR-Silicon Carbide-Silicon Carbide Seal)

MOUNTING

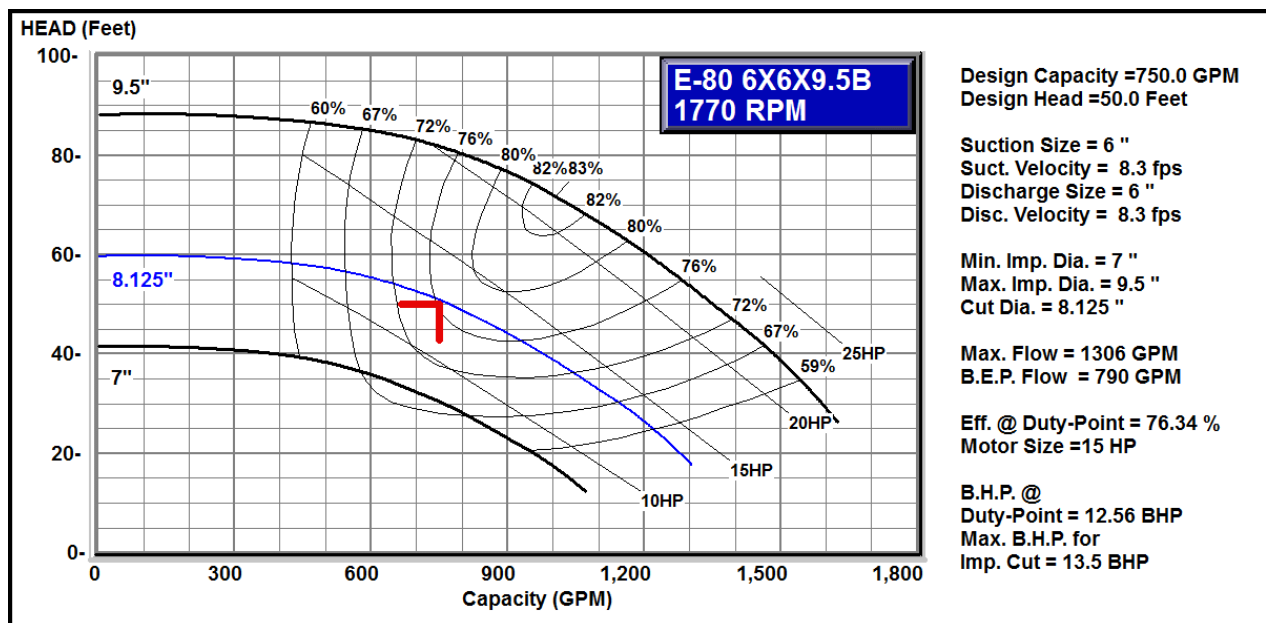
☒ In-Line Piping ☐ Flange Supports

PUMP VARIABLE SPEED CONTROL

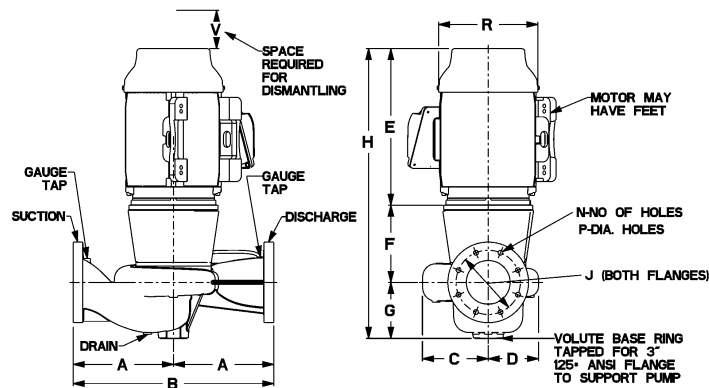
- ☐ Integrated Technologic® Sensorless Control (ITSC)
- ☐ Integrated Technologic® (IT)
- ☐ External input by others
- ☐ Pressure Sensor(s)
- ☐ Differential Pressure Sensor(s)
- ☐ Flow Sensor(s)
- ☒ By Others

TYPE OF SEAL

- ☒ -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
- ☐ -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
- ☐ -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)



xylem
Let's Solve Water



6x6x9.5B Series e-80 Centrifugal Pump Submittal - In-Line Piping

DIMENSIONS - Inches (mm)

STANDARD SEAL

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			250# ANSI			R	S (Max)*	V (min)	Suct/Disch Gauge Taps (NPT)	Drain Tap (NPT)
									J	N	P	J	N	P					
213JM	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	19.25 (489)	5.38 (137)	8.88 (225)	33.50 (851)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	14.00 (356)	-	5.00 (127)	0.25	0.25
215JM	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	19.25 (489)	5.38 (137)	8.88 (225)	33.50 (851)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	14.00 (356)	-	5.00 (127)	0.25	0.25
→ 254JM	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	24.13 (613)	6.25 (159)	8.88 (225)	39.25 (997)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	17.00 (432)	-	5.00 (127)	0.25	0.25
256JM	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	24.13 (613)	6.25 (159)	8.88 (225)	39.25 (997)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	17.00 (432)	-	5.00 (127)	0.25	0.25
284JM	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	23.63 (600)	6.25 (159)	8.88 (225)	38.75 (984)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	16.13 (410)	4.63 (117)	5.00 (127)	0.25	0.25

STUFFING BOX

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			250# ANSI			R	S (Max)*	V (min)	Suct/Disch Gauge Taps (NPT)	Drain Tap (NPT)
									J	N	P	J	N	P					
213JP	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	19.25 (489)	9.25 (235)	8.88 (225)	37.38 (949)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	14.00 (356)	-	5.00 (127)	0.25	0.25
215JP	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	19.25 (489)	9.25 (235)	8.88 (225)	37.38 (949)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	14.00 (356)	-	5.00 (127)	0.25	0.25
254JP	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	24.13 (613)	9.25 (235)	8.88 (225)	42.25 (1073)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	17.00 (432)	-	5.00 (127)	0.25	0.25
256JP	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	24.13 (613)	9.25 (235)	8.88 (225)	42.25 (1073)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	17.00 (432)	-	5.00 (127)	0.25	0.25
284JP	16.75 (425)	33.50 (851)	7.57 (192)	10.67 (271)	23.63 (600)	9.25 (235)	8.88 (225)	41.75 (1060)	9.50 (241)	8 (22)	0.88 (22)	10.63 (270)	12 (22)	0.88 (22)	16.13 (410)	4.63 (117)	5.00 (127)	0.25	0.25

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For Single phase Motors add 1" to dimensions E & H.

*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H.

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COMPANY:
PHONE:
FAX:
JOB NAME: VE-INTEG-RD-032017

ENGINEER:
NOTE:

Part #	Description	Quantity	List Price	Extended Price
KV6011AE2MCZA179M	KV Series Vertical In-Line Pump, 6 " (152) mm Suction, 6 " (152) mm Discharge, 11 " Nominal Impeller Diameter, 1750 RPM, ODP W/ DRIP COVER, 25 HP, Starting Option = Across the Line, 230/460/60/3 Usable At 208, Baldor Super E Premium Efficiency - Meets MG1-12.55, Ceramic Seat, Carbon Rotor, EPT Rubber, 250 Deg F, Material of Construction = Cast Iron Casing, Cover, Bronze Impeller, Bronze Shaft Sleeve, ANSI Class 125 Flanges no WR, Motor Frame = 284, EISA Compliant. Impeller Trim = 10.60in, Head = 100.00ft, Flow = 720.00gpm	1	4,041.70	4,041.70
KV6009AE2LCZD645M	KV Series Vertical In-Line Pump, 6 " (152) mm Suction, 6 " (152) mm Discharge, 9 " Nominal Impeller Diameter, 1750 RPM, ODP W/ DRIP COVER, 15 HP, Starting Option = Across the Line, 230/460/60/3 Usable At 208, Baldor Super E Premium Efficiency - Meets MG1-12.55, Ceramic Seat, Carbon Rotor, EPT Rubber, 250 Deg F, Material of Construction = Cast Iron Casing, Cover, Bronze Impeller, Bronze Shaft Sleeve, ANSI Class 125 Flanges no WR, Motor Frame = 254, EISA Compliant. Impeller Trim = 8.30in, Head = 50.00ft, Flow = 720.00gpm	1	3,232.58	3,232.58
MPV060-4	MULTI-PURPOSE VALVE 6"FLGD.125#	2	683.80	1,367.60
SD060060-4PN16	SD,150 X 150 MM,FLANGED,PN16	2	559.52	1,119.04
			Grand Total:	9,760.92

"Thank You for the opportunity to submit this Quotation."

Submittal Data Information

KV Series Vertical Close Coupled Pumps

301-1057

EFFECTIVE: JUNE 25, 2016

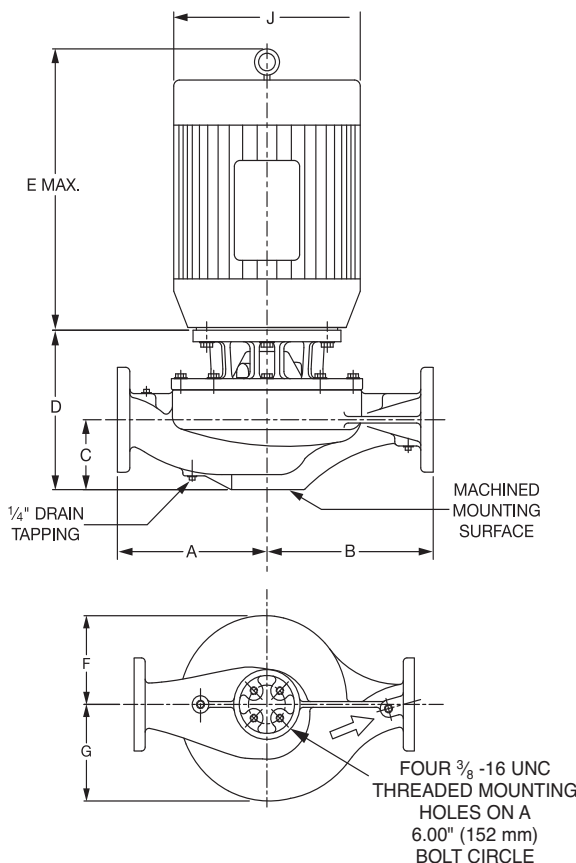
SUPERSEDES: JANUARY 8, 2010

1760 RPM MODEL 6009

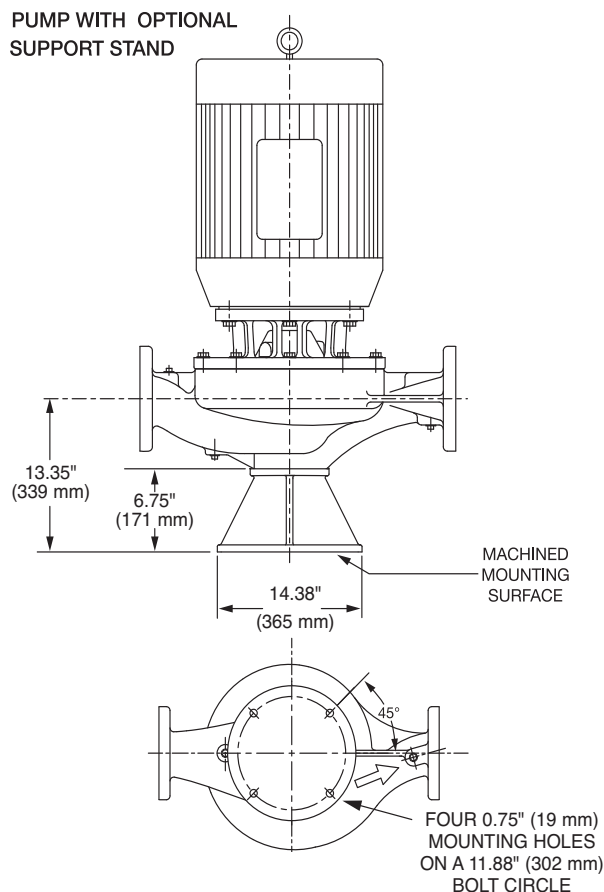
JOB _____ ENGINEER _____

CONTINGENT ON **INTERIOR-032017** REP. _____

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.
B2-2	KV6009	8.3	720	50	15	460/3/60
				WEIGHT _____	PUMP/MOTOR _____	



PUMP WITH OPTIONAL SUPPORT STAND



OPERATING SPECIFICATIONS

	Standard		Optional
Flange	ANSI Class 125	ANSI Class 250	
Pressure	175 PSIG* (1210 KPA)	300 PSIG** (2070 KPA)	CF
Temperature	250°F (120°C)	250°F (120°C)	CF

MAXIMUM ASSEMBLY WEIGHT

Motor Frame	Weight without Optional Stand Lbs (Kg)	Weight with Optional Stand Lbs (Kg)
182JM - 184JM	344 (156)	410 (186)
213JM - 215JM	406 (184)	472 (214)
254JM - 256JM	549 (249)	615 (279)

Motors: All NEMA Standard (T Frame)

* In accordance with ANSI Standard B16.1 Class 125

** In accordance with ANSI Standard B16.1 Class 250 Dim.

DIMENSIONS

*A & B Dimensions apply for all pump sizes.

Model No.	Conn.	Motor Frame	HP 1760 RPM	Flange Size ASA	A*	B*	C	D	E MAX	F	G	H	J DIA
6009	6 x 6 (152 x 152)	184JM	5	6 (152)	13.50 (343) if ANSI Class 125 13.82 (351) if ANSI Class 250	15.50 (394) if ANSI Class 125 15.82 (402) if ANSI Class 250	6.60 (168)	11.44 (291)	15.58 (396)	7.62 (194)	9.31 (236)	0.25 (6)	7.88 (200)
		213JM	7.5					11.44 (291)	16.68 (424)				9.56 (243)
		215JM	10					11.44 (291)	18.18 (462)				9.56 (243)
		254JM	15					12.63 (306)	17.83 (453)				12.94 (329)
		256JM	20					12.63 (306)	19.91 (506)				12.94 (329)

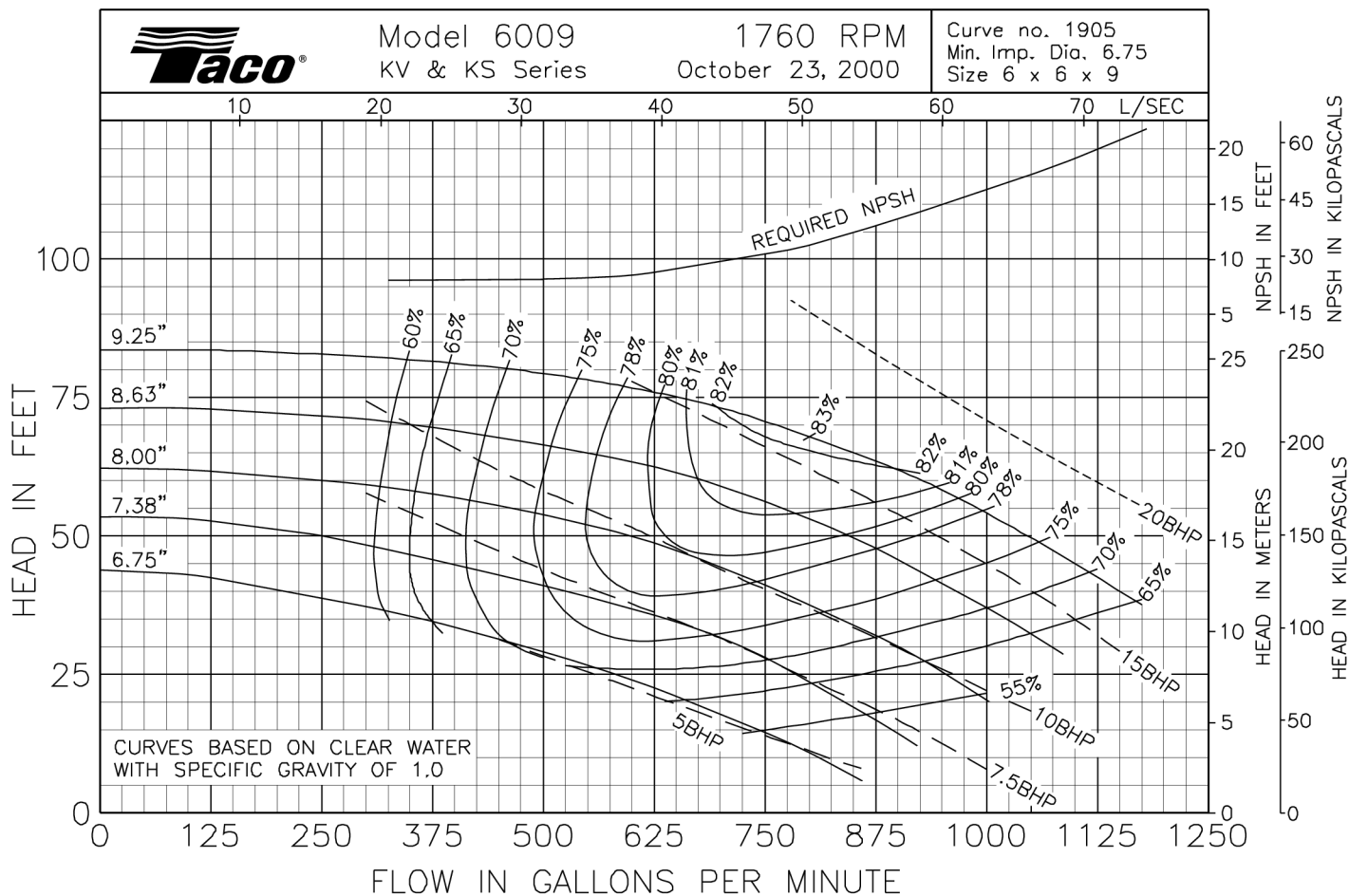
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ().
Do not use for construction purposes unless certified.

MATERIALS OF CONSTRUCTION

	BRONZE FITTED			ALL IRON		
	STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#	STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#
	125# Flange	250# Flange		125# Flange	250# Flange	
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Cast Iron ASTM A48/ A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200	N/A	N/A	N/A
Shaft	Carbon Steel	Carbon Steel	Stainless Steel AISI 416 ASTM A582	Carbon Steel	Carbon Steel	Stainless Steel AISI 416 ASTM A582
Shaft Sleeve	Bronze ASTM B584-98A C92200	Bronze ASTM B584-98A C92200	Stainless Steel TYPE 303 ASTM A276	Stainless Steel TYPE 303 ASTM A276	Stainless Steel TYPE 303 ASTM A276	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon Carbide/EPT	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon Carbide/EPT
Seal Flush Line Assembly	Copper & Brass C3600	Copper & Brass C3600	CF	Copper & Brass C3600	Copper & Brass C3600	CF
Support Stand	N/A	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12	N/A	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12

CF - Consult Factory

N/A - Not Available



Comments:



A Taco Family Company

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Vertical Pumps Model: KV6009

Tag: B2-2

Flow Rate (Gpm): 720
Head Loss (Ft): 50
Working Fluid: Water @ 60 F
Efficiency (%): 80%
Construction: Iron
Design Hp: 11.37
Nol Hp: 11.76
Motor Hp: 15
Npsh (Ft): 10
Rpm: 1760
Imp Dia: 8.3
Volt/Ph/Hz: 460/3/60
Notes:

