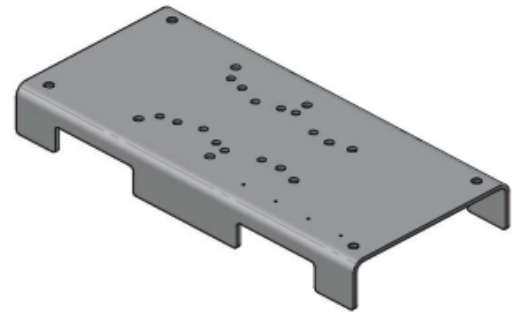
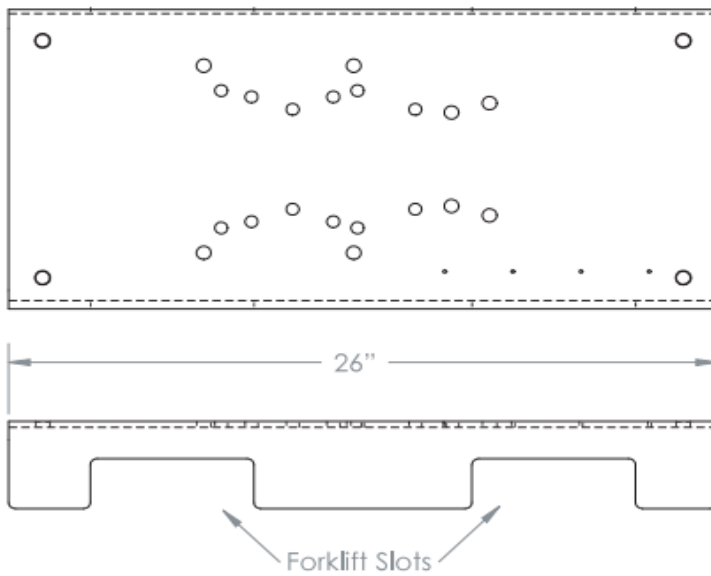




Centrifugal Pump, Motor & Parts List Prices

April 2025

New Product Release: Close Coupled Baseplates



Weight: 30 lbs.



List Price

BP0010 (12" x 26" x 3.5")

CI	For 56C / 143TC-184C / 213-215JM (Up to 10 HP)	\$	763
SS	For 56C / 143TC-184C / 213-215JM (Up to 10 HP)	\$	1,536

BP0011 (15" x 30" x 3.5")

CI	For 143-184JM / 213-215JM / 254-256JM (Up to 25 HP)	\$	1,483
SS	For 143-184JM / 213-215JM / 254-256JM (Up to 25 HP)	\$	3,015

BP0012 (23 3/4" x 40" x 3.5")

CI	For 284-286JM / 324-326JM / 364-365JM (20 HP and up)	\$	2,802
SS	For 284-286JM / 324-326JM / 364-365JM (20 HP and up)		CF

Standard 7-10 day lead time on stocked baseplates. Limited quantities available upon initial release!



CENTRIFUGAL PUMP, MOTOR & PARTS LIST PRICES

Effective for products shipped after
4/1/2025

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Kalrez ®, Teflon ® and Viton ® are registered trademarks of DuPont

Standard Shipments in just 7-10 working days. See page two for expedited shipment services.

Performance Curves, Parts Lists, Outline Drawings, Installation, Operating and Maintenance Manuals
along with other technical information is available from our website.

Scan with your smart phone to visit www.pricepump.com



General email: sales@pricepump.com

Order Entry email: orders@pricepump.com

PRICE PUMP® CO., 2203 Smeed Parkway, Caldwell, ID 83605 Main: (208) 402-6871 Fax: (208) 402-6856

Page 1



Price Pump® Company

Standard & Expedited Shipping

All orders are F.O.B. Caldwell or EX-WORKS Caldwell, Idaho unless prearranged with the factory.

I. Pumps - Standard Shipment

- 1) All Pump Ends & Pump/Motor units in our current price book have a standard **lead times of 7-10 working days ARO (after receipt of order)**.
- 2) For items marked "Contact Factory", please check with the factory for price and availability.

II. Pumps - Expedite Services - V.I.P. (Same Day and Next Day Expedite Service)

Expedited shipping is available using our **V.I.P. (Very Important Pump)** service. V.I.P. orders are F.O.B. Caldwell or EX-WORKS Caldwell, Idaho. The V.I.P. charges below do not include freight charges.

- 1) Stock and Production Schedule must be verified by phone at the factory before an order is accepted and entered.
- 2) Charges to expedite pumps are as follows:

V.I.P. (Including Changing an existing order) Order can be shipped within 2-6 working days from receipt of Purchase Order Expedite Service Fee: \$100.00 net charge per pump	V.I.P. Next Day (Including Changing an existing order) Domestic Orders must be placed by 1:00 p.m. US Mountain Standard Time, International Orders placed by 10:00 a.m. US MST in order for Price Pump Company to ship the "Next Day". Expedite Service Fee: \$125.00 net charge per pump	V.I.P. Same Day (Including Changing an existing order) Domestic Orders must be placed by 12 noon US Mountain Standard Time, International Orders placed by 10:00 a.m. US MST in order for Price Pump Company to ship the "Same Day". Expedite Service Fee: \$200.00 net charge per pump
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III. Parts - Standard and Same Day Service

- 1) **STANDARD**
 Part orders are normally shipped the next day with no added expedite fee, if received before 1:00 noon MST. Multiple Repair Kit orders or orders for parts that need machining, such as a trimmed impeller, may require an extra day for shipment.
- 2) **SAME DAY SERVICE - P.O.N.Y. EXPRESS** (Parts Order Needed Yesterday)
 Domestic Orders must be placed by 12:00 Noon Mountain Standard Time.
 International Orders must be placed by 10:00 AM MountainStandard Time.

PONY FEE - \$50.00 net charge **per** order.
 This is an expediting charge only and does not include freight charges.

Minimum Billing: \$50 Net – Domestic & International Customers.



Price Pump® Company

CENTRIFUGAL Close Coupled Pump Model, Seal and Motor Codes

Example Model Number: CD100SS-494-09315-200-36-3T6

CD ¹ 100 ² () ³ SS ⁴ - 494 ⁵	-09 ⁶ 315 ⁷ () ⁸	-200 ⁹ -36 ¹⁰ () ¹¹ -3 ¹² T ¹³ () ¹⁴ 6 ¹⁵
PUMP DESCRIPTION	SEAL DESCRIPTION	MOTOR DESCRIPTION

PUMP DESCRIPTION:

- Model Designation:** LT, HP, OH, CD, XT, JB, etc...
- Discharge Size:** 50 = 1/2", 75 = 3/4", 100 = 1", etc.
- Optional Configuration:** V = Vertical P = Power Frame B = Baseplate (no indicator denotes standard horizontal, close-coupled pump)
(When the pump has a P for a power frame, motor description (9-14) is replaced with "FM")
- Materials of Construction:**
 AI = All Iron HC = Hastelloy 'C' BS = Bronze Stainless Fitted
 AB = All Bronze CN = CPVC/Non-Metallic Impeller BF = Cast Iron Bronze Fitted
 SS = Stainless Steel BN = Bronze/Non-Metallic Impeller SF = Cast Iron Stainless Fitted
- Impeller Diameter Example:** 494 = 4.94"

SEAL DESCRIPTION:

- Mechanical Seal Type:**
 6A = T.6A 06 = T.6 08 = T.8 09 = T.9 21 = T.21
 02 = T.02 36 = T.36 26 = T.2106 No Digit = Vertical Pump
- Mechanical Seal Construction / *Vertical Construction (three digit code):**
 1st digit - refers to 'Elastomer' or vertical 'Fume Barrier'
 2nd digit - refers to 'Washer' or vertical 'Bushing'
 3rd digit - refers to 'Seat' or vertical 'Length'
Horizontal Example: 315 = Teflon® Elastomer, Carbon Washer, Ceramic/Kalrez Seat
Vertical Example: 315 = Teflon® Fume Barrier, Carbon Bushing, 32" Vertical Length (see chart below)

1st Digit Elastomer / *Fume Barrier (Lip Seal)	2nd Digit Washer / *Bushing	3rd Digit Seat *Vertical Column Length	
0 = None 1 = Buna 2 = Viton® 3 = Teflon® 4 = Neoprene 5 = EPDM (EPDM / Nordel®) 6 = Kalrez® 7 = Aflas 8 = GLSiC (Graphite Loaded Silicon Carbide) 9 = Other	0 = None 1 = Carbon 2 = Glass Filled Teflon® 4 = Tungsten Carbide 5 = Carbon, Chemical (9031) 6 = Alpha Silicon Carbide 7 = Carbon, Severe Duty (9055) 8 = GLSiC (Graphite Loaded Silicon Carbide) 9 = Carbon, T.21 Hot Water (9012) T.9 Extreme Duty (7250) T.8 Severe Duty (9055)	0 = None 1 = Ceramic 2 = Ni Resist 4 = Tungsten Carbide 5 = Ceramic / Kalrez® 6 = Alpha Silicon Carbide 8 = GLSiC (Graphite Loaded Silicon Carbide) 9 = Other	0 = None 7 = None 1 = 6.5" 8 = None 2 = 7.5" 9 = Special 3 = 13" 4 = 20" 5 = 32" 6 = 44"

- Seal Option:**
 No Digit = No Option F = Flush *Q = Quench Z = Short Suction
 T = Throat Bushing R = Flush with Recirculation Line V = Viton Bell Gasket in HP75 Y = Special Configuration (CF)
 N = Nitrogen Purge L = Internal Flush S = Quench with Recirculation Line/Vert. = SST Column
 D = Double Seal (Inboard / Outboard Dissimilar) G = Double Seal (Inboard / Outboard Identical) A = Flush with Coiled Recirc. Line
 * Fume Barrier (Lip Seal) Material to match Mechanical Seal Material - unless specified otherwise
Vertical Shaft Options: C = Chrome Shaft T = Tungsten Shaft

MOTOR DESCRIPTION:

- Motor Horsepower:** 12 = 1/8 HP 33 = 1/3 HP 200 = 2 HP 1000 = 10 HP, etc.
- Motor RPM:** 15 = 1500 RPM 18 = 1800 RPM 30 = 3000 RPM 36 = 3600 RPM
- Optional Stub Shaft Size:** No Digit = No Option C = 5/8" D = 3/4" E = 7/8" F = 1" G = 1-3/4"
- Motor Phase:** 1 = Single Phase 3 = Three Phase
- Motor Enclosure:** D = Open Drip Proof T = Totally Enclosed X = Explosion Proof Y = Special R = EC Bearing
 S = Severe Duty W = Washdown Duty M = Marine Duty
 H = High Efficient P = Premium Efficient I = Inverter Duty V = Non-Standard Voltage
- Motor Options**
- Motor Frequency:** 5 = 50 Hz 6 = 60 Hz 7 = 50/60 Hz
- (9-15) = Replace With:** FM = Frame Mount (Power Frame) PEO = Pump End Only (no motor)



Price Pump® Company

Magnetic Drive (Mag-Drive) Pump Model, Bushing and Motor Codes

Example Model Number: CD100MDSS-494-21110-200-36-3T6

CD ¹ 100 ² MD ³ SS ⁴ - 494 ⁵ PUMP DESCRIPTION	-21110 ⁶ BUSHING, WASHER & SHAFT DESCRIPTION	-200 ⁷ -36 ⁸ () ⁹ -3 ¹⁰ T ¹¹ () ¹² 6 ¹³ MOTOR DESCRIPTION
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PUMP DESCRIPTION:

- Model Designation:** HP, CD, 2MS, CL, XT/XL
- Discharge Size:** 75 = 3/4", 100 = 1" 150 = 1-1/2"
- Optional Configuration:** MD = Mag Drive, MDP = Mag Drive mounted on a Power Frame
(When the pump has a P for a power frame, motor description (7-12) is replaced with "FM")
- Materials of Construction:**
SS = Stainless Steel
- Impeller Diameter Example:** 494 = 4.94"

BUSHING / WASHER / SHAFT / OPTIONS DESCRIPTION:

6 Pump Construction:

The **first digit** of the five digit code refers to 'O-ring material'. The **second digit** refers to 'Thrust Bushing material'. The **third digit** refers to 'Thrust Washer material'. The **fourth digit** refers to 'Shaft material'. The **fifth digit** refers to 'Other Options'.

Example: **21110** = Viton Elastomer O-ring, Carbon Bushings, Ceramic Washers, 316 Stainless Steel Shaft, and No other options.

See Chart Below:

1st Digit O-ring	2nd Digit Thrust Bushing	3rd Digit Thrust Washer	4th Digit Shaft	5th Digit Options
1 = Buna 2 = Viton® 3 = Teflon® 4 = Neoprene 5 = EPDM (EPDM / Nordel®) 6 = Kalrez® 7 = Fluorosilicone 8 = Teflon/Viton Encap. 9 = Teflon/Silicon Encap.	1 = Carbon 2 = 3 = 4 = 5 = 6 = Silicon Carbide 7 = 8 = 9 =	1 = Ceramic 2 = 3 = 4 = 5 = 6 = Silicon Carbide 7 = 8 = 9 =	1 = 316 Stainless Steel 2 = Tungsten Carbide Coated 3 = 4 = 5 = 6 = 7 = 8 = 9 =	0 = No Option 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = Sanitary Fittings 9 = Special

MOTOR DESCRIPTION:

- | | | | | |
|--------------------------------------|--------------------------------|--------------------------------|---------------------|--------------------------|
| 7 = Motor Horsepower: | 12 = 1/8 HP | 33 = 1/3 HP | 200 = 2 HP | 1000 = 10 HP, etc. |
| 8 = Motor RPM: | 15 = 1500 RPM | 18 = 1800 RPM | 30 = 3000 RPM | 36 = 3600 RPM |
| 9 = Optional Stub Shaft Size: | No Digit = No Option | E = 7/8" | | |
| 10 = Motor Phase: | 1 = Single Phase | 3 = Three Phase | | |
| 11 = Motor Enclosure: | D = Open Drip Proof | T = Totally Enclosed | X = Explosion Proof | Y = Special |
| | S = Severe Duty | W = Washdown Duty | M = Marine Duty | R = EC Bearing |
| 12 = Motor Options | H = High Efficient | P = Premium Efficient | I = Inverter Duty | V = Non-Standard Voltage |
| 13 = Motor Frequency: | 5 = 50 Hz | 6 = 60 Hz | 7 = 50/60 Hz | |
| (7-13) = Replace With: | FM = Frame Mount (Power Frame) | PEO = Pump End Only (no motor) | | |

Maximum Impeller Diameter: 3.34"

Standard Motor: NEMA 42C Footed

Standard Mechanical Seal: Single, 5/8" Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0553)

Close-Coupled Pump

Horizontal End Suction: Pump End Only-Includes full-size Impeller, standard Viton® Mechanical Seal

List Prices	AB	SF	SS	(lbs)
LT25 (1/4" x 1/2" x 3.34")	\$ 1,255	\$ 1,239	\$ 1,301	7
Trimmed impeller adder (any size other than full-size, 1/8" increments).....			\$ 47	

Vertical Immersion Sealless:

Pump End Only - Includes full-size Impeller, standard Carbon Graphite Bushing, & standard 7-1/2" Column

List Prices	SS	(lbs)
LT25V (1/4" x 1/2" x 3.34") - Stainless Steel models only	\$ 2,631	12
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 47	

Note: Vertical Fume Barriers not available on LT25V

Column Adders:

7 1/2" 316 SS Column (2) P/N 0468.....	STD	
13" 316 SS Column (3) P/N 0467.....	\$ 193	2
20" 316 SS Column (4) P/N 0466.....	\$ 378	4

Mounting Plate Adders:

Round Carbon Steel Plate (P/N 0909)	\$ 650	11
Round Stainless Steel Plate (P/N 0910)	\$ 780	13

Bushing Adders: (Standard Bushing is Carbon Graphite P/N 0672)

Glass-Filled Teflon® (2) (P/N 0691).....	\$ 229
Silicon Carbide bushing (6) (P/N 0730) Note: Need Tungsten Coated Shaft	\$ 1,207
Tungsten Carbide Coated Shaft (Contact factory for lead time)	\$ 978

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal: Single, 5/8" Type 21, Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat

Number in () are the BOM/Model number codes

	List
Type 2106 Viton®(2) or EPR(5) Elastomer, Silicon Carbide(6) Washer vs. Silicon Carbide(6) Seat.....	\$ 220
Type 21 Buna(1), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat	No Charge
<u>Type 21 - Washer adders:</u>	
Tungsten Carbide(4) Washer.....	\$ 678
9031 Chemical Carbon(5) Washer.....	\$ 172
Silicon Carbide(6) Washer.....	\$ 203
9055 Severe Duty Carbon(7) Washer.....	\$ 167

Type 21 - Seat adders:

Ni-Resist(2) Seat.....	\$	102
Tungsten Carbide(4) Seat.....	\$	557
Silicon Carbide(6) Seat.....	\$	168

Advantage Type 21

Viton®(2) or EPR (5), GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat.....	\$	306
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Includes Type 9 bracket modification (P/N: 0311-5)

Type 9 Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic-Kalrez®(5) O-Ring Seat.....	\$	778
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Includes Type 9 bracket modification (P/N: 0311-5)

Type 9 - Washer adders:

Glass-Filled Teflon®(2) Washer & Wedges.....	\$	418
9031 Chemical Carbon(5) Washer.....	\$	322
Silicon Carbide(6) Washer.....	\$	701
9055 Severe Duty Carbon(7) Washer.....	\$	400
7250 Extreme Duty Carbon(9) Washer.....	\$	382

Type 9 - Seat adders:

Ni-Resist(2) O-ring Seat.....	\$	286
Tungsten Carbide(4) O-ring Seat.....	\$	542
Silicon Carbide(6) O-ring Seat.....	\$	327

Type 8 Viton®(2) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$	539
--	----	-----

Kalrez®(6) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$	2,840
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** For other Seal Face Options - Contact Factory for price and availability.*

Flush Options:

Tap and plug for 1/8" NPT connections (F)	\$	167
External - Recirculating flush line (R)	\$	499
(316SS fittings & tubing, and flush supplied. Must be plumbed to discharge pipe.)	#	
Internal - Recirculating flush line (Available on LT25SS only) (L).....	\$	208

Quench: (No Quench option available for the LT25)

Double Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Price includes two drilled and tapped 1/8" NPT connections in bracket.

	List	
Type 21 Viton®(2) Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$	769

Both Seal ends provided. Seal face adders below are priced for product side only.

Type 21 - Washer adder each:

Tungsten Carbide(4) Washer.....	\$	678
9031 Chemical Carbon(5) Washer.....	\$	172
Silicon Carbide(6) Washer.....	\$	203
9055 Severe Duty Carbon(7) Washer.....	\$	167

Type 21 - Seat adders each:

Ni-Resist(2) Seat.....	\$	144
Tungsten Carbide(4) Seat.....	\$	589
Silicon Carbide(6) Seat.....	\$	304

Frame Mounting Option: Bearing Frame Only

	List	(lbs)
P/N 0500 (3/8" Keyed Shaft on Pump Side and 5/8" Keyed Shaft on Drive Side).....	\$ 480	4

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly

Base plate (Motor and Power Frame not included in this price).....	<u>List</u>	<u>(lbs)</u>
	CF	62

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units

Motor Pricing: (AC Electric Motor) Standard Motor - **NEMA 42C Footed** (Only frame size available)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/8	-	CF	-	CF	-	\$889	1608	-	CF	16	-	CF	CF	1609BA	22

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$573	1438+	-	CF	23	\$608	1439+	\$534	1440+	21	-	CF	\$2,032	1442+	29
1/2	-	CF	-	CF	-	-	CF	-	CF	-	\$1,690	1441+	-	CF	36

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

CF - Contact Factory before quoting.

VFD (Variable Frequency Drive): see details on page 57

Air Motors:

1AM Air Motor P/N 1434GT (Delivers up to 0.45 HP).....	<u>List</u>	<u>(lbs)</u>
	CF	15

Horizontal Repair Kits:

LT25SF, AB (P/N 0725) Syn. Fiber Gasket, Shaft w/Setscrews	<u>List</u>	
	\$ 122	
LT25SS (P/N 0726) Teflon Gasket, Shaft w/Setscrews	\$ 129	

Note: Seal must be ordered separately in addition to the repair kit.

Special Assembly Tools:

Used for repairs

P/N 1026 Allen wrench for Type 9 Seal Assembly.....	<u>List</u>	
	\$ 4	

Close-Coupled Pump

Maximum Impeller Diameter: **3.75"**

Standard Motor: **NEMA 56J Footless**

Standard Mechanical Seal: **Single, 5/8" Type 6A** Buna Elastomer, Carbon Washer vs Ceramic Seat (P/N 0538)

Horizontal End Suction: Pump End Only - Includes full size Impeller, standard Buna Mechanical Seal				
List Prices	AI	BF	AB	lbs
F50 (1/2" x 3/4" x 3-3/4")	\$ 940	\$ 945	\$ 1,216	9
F75 (3/4" x 1" x 3-3/4")	\$ 1,016	\$ 1,034	\$ 1,307	10
F95 (1" x 1-1/4" x 3-3/4")	CF*	CF*	CF*	10
Trimmed impeller adder (any size other than full-size, 1/8" increments).....			\$ 47	

*Review any applications for F95 pumps with factory to confirm energy compliance before quoting

Single Mechanical Seal Options:

Standard Mechanical Seal: **5/8" Single, Type 6A Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat** (P/N 0538)

Numbers in () are the BOM/Model number codes

		List
Type 6A	Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 71
	Ni-Resist(2) Seat in place of Ceramic Seat.....	\$ 88
Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic-Kalrez®(5) O-ring Seat (inc. P/N 0850 cage).....	\$ 990
Type 21	Buna(1), Viton®(2), Neoprene(4) or EPR(5) Elast., Carbon(1) Washer vs. Ceramic(1) Seat (inc. P/N 0850 cage).....	\$ 399
	Silicon Carbide(6) Washer.....	\$ 203
	Ni-Resist(2) Seat.....	\$ 102
	Silicon Carbide(6) Seat.....	\$ 168

NOTE: Contact factory for price and availability for other seal face options.

Flush / Quench: (No Flush or Quench Options available for the F-Series Pumps.)

Frame Mounting Option: Bearing Frame Only

P/N 5479 (5/8" Threaded Shaft on Pump side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 1,042	(lbs) 20
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Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price).....	\$ 1,909	75
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Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units

Motor Pricing: (AC Electric Motor) Standard Motor - **NEMA 56J Footless** (Air Motor Not Available)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$655	3885	-	CF	15	\$817	1306	\$687	3563	19	-	CF	-	CF	-
1/2	\$731	3707	\$725	3708	14	\$781	3740	\$782	1283	22	-	CF	-	CF	-
3/4	\$939	3887	\$842	3888	17	\$1,096	1420	-	CF	28	-	CF	-	CF	-

Type F

Motor Pricing Continued:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$836	1301	\$1,118	1305	15	\$625	1715	\$685	1717	19	-	CF	-	CF	-
1/2	\$577	3768+	\$547	1313	14	\$613	1311	\$580	1315+	22	\$1,612	1312	-	CF	37
3/4	\$650	2244+	\$622	1320+	17	\$720	1318	\$700	1322	28	\$1,748	3817	-	CF	-
1	\$910	1324+	\$696	1327	21	\$753	1325	\$866	1329	29	\$1,858	3758	\$2,768	1330	-
1-1/2	\$877	1331	\$727	1334	27	\$1,033	1332	\$842	1336	35	\$2,406	3500	\$2,907	1362	53
2	\$1,043	1338	\$955	1341	34	\$1,102	1339	\$937	1343+	37	\$2,890	3392	-	CF	60

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59

Repair Kits: (AI, BF, AB)

F50, F75, F95 P/N 0656 Vegetable Fiber Gasket and Slinger..... \$ 26

Note: Seal must be ordered separately in addition to repair kit.

Close-Coupled Pump

Maximum Impeller Diameter: **6.00"**

Standard Motor: **NEMA 56J Footless**

Standard Mechanical Seal:

NN, CN, CS, BN, BS, KN, KS - Single, 5/8" Type 6 Buna Elastomer, Carbon Washer vs. Ceramic Seal (P/N 0118)

AB, SC, SS - Single, 5/8" Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seal (P/N 0553)

Horizontal End Suction: Pump End Only - Includes full size Impeller, and standard Mechanical Seal

List Prices

HP75 (3/4" x 3/4" x 6") End Bell Gasket Design	CN (CPVC Volute)	BN (Bronze Volute)	KN (Kanigen Volute)	(lbs)
Includes: Cast Iron Bracket, EPR End Bell Gasket CPVC Impeller , and standard Buna Mechanical Seal	\$ 933	\$ 1,119	CF	18
Full-size 316 SS Impeller adder (<i>change model designation to CS, BS or KS</i>)			\$ 332	
Bronze Bracket adder (P/N 0236)			\$ 592	
HP75 (3/4" x 3/4" x 6") O-Ring Design	*SC (CPVC Impeller)	*SS (SS Impeller)	*AB (Bronze Impeller)	
Includes: 316SS or AB Bracket & Volute				
Viton® O-ring , and standard Viton® Mechanical Seal	\$ 1,241	\$ 1,427	\$ 1,785	18
<i>* Note: Teflon O-ring adder, Item #3572, is \$20 (For SC, SS & AB Pumps)</i>				
HP100 (1" x 1" x 6") O-Ring Design	*SC (CPVC Impeller)	*SS (SS Impeller)	*AB (Bronze Impeller)	
316SS or AB Bracket & Volute				
Viton® O-ring , and standard Viton® Mechanical Seal	\$ 1,343	\$ 1,524	\$ 1,846	18
<i>* Note: Teflon O-ring adder, Item #3572, is \$20 (For SC, SS & AB Pumps)</i>				
CPVC Trimmed impeller adder (any size other than full-size, 1/8" increments)			\$ 47	
316SS/Bronze Trimmed impeller adder (any size other than full-size, 1/8" increments)			\$ 63	
Buna, Neoprene or EPR O-ring in place of standard Viton® O-ring are available at no additional charge.				

Single Mechanical Seal Options:

Standard Mechanical Seal:

NN, CN, CS, BN, BS, KN, KS - Single, 5/8" Type 6 Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0118)

NOTE: T.6 Seal not available for O-Ring Design pumps (SC, SS, & AB)

AB, SC, SS - Single, 5/8" Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0553)

Numbers in () are the BOM/Model number codes

	List
Type 6 Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (Std. for NN, CN, CS, BN, BS, KN, & KS Pumps)	No Charge
Ni-Resist(2) Seat in place of Ceramic Seat	\$ 86
Type 21 Advantage Viton®(2) or EPR(5) Elastomer, GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat	\$ 220
Type 21 Buna(1), Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat	
For SS, SC, & AB Pumps	No Charge
For NN, CN, CS, BN, BS, KN, & KS Pumps	\$ 71
<u>Type 21 - Washer adders:</u>	
Tungsten Carbide(4) Washer	\$ 659
9031 Chemical Carbon(5) Washer	\$ 172
Silicon Carbide(6) Washer	\$ 204
9055 Severe Duty Carbon(7) Washer	\$ 169

Type 21 - Seat adders:

Ni-Resist(2) Seat.....	\$	102
Tungsten Carbide(4) Seat.....	\$	557
Silicon Carbide(6) Seat.....	\$	168

Type 9 Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic/Kalrez® O-Ring(5) Seat \$ 754

(Type 9 Seal for SS, SC, & AB pumps only. Must have stainless steel shaft.)

Type 9 - Washer adders:

Glass-Filled Teflon®(2) Washer and Wedges.....	\$	418
9031 Chemical Carbon(5) Washer.....	\$	322
Silicon Carbide(6) Washer.....	\$	701
9055 Severe Duty Carbon(7) Washer.....	\$	400
7250 Extreme Duty Carbon(9) Washer.....	\$	382

Type 9 - Seat adders:

Ni-Resist(2) O-ring Seat.....	\$	286
Tungsten Carbide(4) O-ring Seat.....	\$	542
Silicon Carbide(6) O-ring Seat.....	\$	327

Type 8 Viton®(2) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat (PN 2394-PU) \$ 539

Kalrez®(6) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat (P/N 2336) \$ 2,840

(Type 8 Seal is available for SS, SC & AB pumps Only. Must have stainless steel shaft.)

NOTE: Double Seals are not available for the HP pump. For other Seal Face Options Contact Factory for price and availability.

Quench: (No Quench option available for the HP75/100)

Flush Option: (Only available on SS, SC, & AB pumps)

Tap and Plug for 1/8" NPT Connections (F).....	\$	167
External - Recirculating Flush Line (316SS Fittings & Tubing Supplied, and Installed) (R).....	\$	591
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$	274

Frame Mounting Option: Bearing Frame Only

	List	(lbs)
P/N # 5479 (5/8" Threaded Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side)	\$ 1,042	20

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price)..... \$ 1,909 20

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units

Motor Pricing: (AC Electric Motor) Standard Motor - NEMA 56J Footless (Air Motor Not Available)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$655	3885	-	CF	15	\$817	1306	\$687	3563	19	-	CF	-	CF	-
1/2	\$731	3707	\$725	3708	14	\$781	3740	\$782	1283	22	-	CF	-	CF	-
3/4	\$939	3887	\$842	3888	17	\$1,096	1420	-	CF	28	-	CF	-	CF	-

Type HP

Motor Pricing Continued:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$836	1301	\$1,118	1305	15	\$625	1715	\$685	1717	19	-	CF	-	CF	-
1/2	\$577	3768+	\$547	1313	14	\$613	1311	\$580	1315+	22	\$1,612	1312	-	CF	37
3/4	\$650	2244+	\$622	1320+	17	\$720	1318	\$700	1322	28	\$1,748	3817	-	CF	-
1	\$910	1324+	\$696	1327	21	\$753	1325	\$866	1329	29	\$1,858	3758	\$2,768	1330	-
1-1/2	\$877	1331	\$727	1334	27	\$1,033	1332	\$842	1336+	43	\$2,406	3500	\$2,907	1362	53
2	\$1,043	1338	\$955	1341	34	\$1,102	1339	\$937	1343+	41	\$2,890	3392	\$3,337	1349	60
3	-	CF	\$1,131	1346	42	-	CF	\$1,328	1348	50	-	CF	-	CF	-
5	-	CF	\$1,992	1355	52	-	CF	-	CF	-	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

CF - Contact Factory before quoting.

VFD (Variable Frequency Drive): see details on page 59

Repair Kits:

CN, BN, KN pumps

	List
P/N 0661 6.00" CPVC Imp., EPR Gasket, and Slinger	\$ 256
P/N 0661-1 5.75" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-2 5.50" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-3 5.25" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-4 5.00" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-7 4.75" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-5 4.50" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-6 4.25" CPVC Imp., EPR Gasket, and Slinger	\$ 303
P/N 0661-8 4.00" CPVC Imp., EPR Gasket, and Slinger	\$ 303

SC pumps

P/N 0661SC 6.00" CPVC Imp., Viton® O-Ring, and Slinger	\$ 206
P/N 0661SC-1 5.75" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-2 5.50" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-3 5.25" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-4 5.00" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-7 4.75" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-5 4.50" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-6 4.25" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253
P/N 0661SC-8 4.00" CPVC Imp., Viton® O-Ring, and Slinger	\$ 253

Note: Seal must be ordered separately in addition to repair kit.

REPAIR KITS ARE NOT AVAILABLE FOR SS PUMPS.

Special Assembly Tools:

Used for repairs

	List
P/N 1026 Allen wrench for Type 9 Seal Assembly.....	\$ 4

Maximum Impeller Diameter: **OH75CP 6.12", OH75PF 6.03"**

Close-Coupled Pump

Standard Motor: **NEMA 56C Footless**

Standard Mechanical Seal: **Single, 1" Type 36**, Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 8302-211)

Horizontal End Suction: Pump End Only - Includes full-size impeller, Viton® O-ring & standard Viton® Mechanical Seal

List Prices	PF (PVDF)	CP (CPVC)	(lbs)
OH75 (OH75CP 3/4" x 1" x 6.12", OH75PF 3/4" x 1" x 6.03")	\$ 2,445	\$ 954	9
Trimmed impeller adder (any size other than full-size, 1/8" increments).....		\$ 47	
<i>Note: EPR O-ring is available in place of Viton® at no additional charge. ("E" required after seal code in model #)</i>			

Mechanical Seal Options:

Standard Mechanical Seal:

Single, 1" Type 36, Viton® (2) Elastomer, Carbon (1) Washer vs. Ceramic (1) Seat (Non-Metallic Seal)

Number in () are the BOM/Model number codes

List

Type 36	EPR (5) Elastomer, Carbon (1) Washer vs Ceramic (1) Seat (Non-Metallic Seal).....	No Charge
	Ni Resist (2) Seat in place of Ceramic Seat (Non-Metallic Seal).....	\$ 287
Type 36	Viton® (2) Elastomer, GL Silicon Carbide (8) Washer vs. GL Silicon Carbide (8) Seat (Non-Metalic Seal)	\$ 354
Type 21	Viton® (2) or EPR (5) Elastomer, Carbon (1) Washer vs. Ceramic (1) Seat	No Charge
	Silicon Carbide (6) Washer in place of standard Carbon washer	\$ 334
	Silicon Carbide (6) Seat in place of standard Ceramic seat	\$ 316
	Ni Resist (2) Seat in place of Ceramic Seat (Non Metallic Seal).....	\$ 287
Type 21 Advantage	Viton® (2) or EPR (5) Elastomer, GL Silison Carbide (8) Washer vs. GL Silison Carbide (8) Seat	\$ 283
Type 6 Advantage	EPR (5) Elastomer, GL Silison Carbide (8) Washer vs. GL Silison Carbide (8) Seat.....	\$ 194

** For other Seal Face Options - Contact Factory for price and availability.*

Flush Options:

Tap and plug for 1/8" NPT connections (F)	\$ 168
External - Recirculating flush line (316SS fittings & tubing, and flush taps supplied. Must be plumbed to discharge pipe.) (R).....	\$ 654
Internal - Recirculating flush line (L)	\$ 220

Quench: (No Quench option available for the OH75)

Frame Mounting Option: Bearing Frame Only

	List	(lbs)
P/N 5478 (5/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 503	20

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)	List	
Base plate (Motor and Power Frame not included in this price)	\$ 1,909	62

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units
Motor pricing begins on next page

Motor Pricing: (AC Electric Motor) Standard Motor - NEMA 56C Footless

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	34	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	43	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

CF - Contact Factory before quoting.

VFD (Variable Frequency Drive): see details on page 59

Maximum Impeller Diameter: **5.12"**

Standard Motor: **NEMA 56C Footless**

Standard Mechanical Seal: **Single, 1" Type 36**, EPR Elastomer, Carbon Washer vs. Ceramic Seat (P/N 8302-511)

Close-Coupled Pump

Horizontal End Suction: Pump End Only - Includes full-size impeller, Viton® O-ring & standard Viton® Mechanical Seal

List Prices	RP75 (NN)	(lbs)
RP75 (RP75NN 3/4" x 3/4" x 5.12")	\$ 711	9
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 47	

Note: Viton® O-ring is available in place of EPR at no additional charge.

Mechanical Seal Options:

Standard Mechanical Seal:

Single, 1" Type 36, EPR (5) Elastomer, Carbon (1) Washer vs. Ceramic (1) Seat (Non-Metallic Seal)

Number in () are the BOM/Model number codes

List

Type 36	Viton® (2) Elastomer, Carbon (1) Washer vs Ceramic (1) Seat (Non-Metallic Seal).....	No Charge
	Ni Resist (2) Seat in place of Ceramic Seat (Non-Metallic Seal).....	\$ 287
Type 36	Viton® (2) Elastomer, GL Silicon Carbide (8) Washer vs. GL Silicon Carbide (8) Seat (Non-Metallic Seal)	\$ 354
Type 21	Viton® (2) or EPR (5) Elastomer, Carbon (1) Washer vs. Ceramic (1) Seat	No Charge
	Silicon Carbide (6) Washer in place of standard Carbon washer	\$ 334
	Silicon Carbide (6) Seat in place of standard Ceramic seat	\$ 316
	Ni Resist (2) Seat in place of Ceramic Seat (Non Metallic Seal).....	\$ 287
Type 21 Advantage	Viton® (2) or EPR (5) Elastomer, GL Silison Carbide (8) Washer vs. GL Silison Carbide (8) Seat.....	\$ 283
Type 6 Advantage	EPR (5) Elastomer, GL Silison Carbide (8) Washer vs. GL Silison Carbide (8) Seat.....	\$ 194

** For other Seal Face Options - Contact Factory for price and availability.*

Flush Options:

Tap and plug for 1/8" NPT connections (F)	\$ 168
External - Recirculating flush line (316SS fittings & tubing, and flush taps supplied. Must be plumbed to discharge pipe.) (R).....	\$ 654
Internal - Recirculating flush line (L)	\$ 220

Quench: (No Quench option available for the RP75)

Frame Mounting Option: Bearing Frame Only

	List	(lbs)
P/N 5478 (5/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 503	20

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)	List	
Base plate (Motor and Power Frame not included in this price)	\$ 1,909	62

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units

Motor pricing begins on next page

Motor Pricing: (AC Electric Motor) Standard Motor - NEMA 56C Footless

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	34	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	43	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

CF - Contact Factory before quoting.

VFD (Variable Frequency Drive): see details on page 59

Close-Coupled Pump

Maximum Impeller Diameter: 4.12"

Standard Motor: NEMA 56C Footless

Standard Mechanical Seal: Single, 5/8" Type 21 Viton® Elastomer, Carbon Washer vs Ceramic Seat (P/N 0553)

Standard Bushings: Carbon

Standard O-Rings: Viton®

Horizontal End Suction: Pump End Only - Includes full size Impeller, and standard Viton® Mechanical Seal		
MS50SS Multi-Stage Available in 316 Stainless Steel Only	List	(lbs)
1MS50SS (1/2" x 3/4" x 4")	\$ 1,810	33
2MS50SS (1/2" x 3/4" x 4")	\$ 2,536	36
3MS50SS (1/2" x 3/4" x 4")	\$ 3,207	36
4MS50SS (1/2" x 3/4" x 4")	\$ 4,245	36
5MS50SS (1/2" x 3/4" x 4")	\$ 5,332	36
6MS50SS (1/2" x 3/4" x 4")	\$ 6,249	36

Single Mechanical Seal Options:

Standard Mechanical Seal: Single, 5/8" Type 21, Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat

Number in () are the BOM/Model number codes

List

Type 21	Buna(1), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat	No Charge
	<u>Type 21 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	\$ 678
	9031 Chemical Carbon(5) Washer.....	\$ 172
	Silicon Carbide(6) Washer.....	\$ 203
	9055 Severe Duty Carbon(7) Washer.....	\$ 167
	<u>Type 21 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 102
	Tungsten Carbide(4) Seat.....	\$ 557
	Silicon Carbide(6) Seat.....	\$ 168
Advantage Type 21		
	Viton®(2) or EPR (5) Elastomer, GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat.....	\$ 188
Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic-Kalrez®(5) O-Ring Seat.....	\$ 778
	See Teflon® O-ring adder for pricing on next page	
	<u>Type 9 - Washer adders:</u>	
	Glass-Filled Teflon®(2) Washer & Wedges.....	\$ 418
	9031 Chemical Carbon(5) Washer.....	\$ 322
	Silicon Carbide(6) Washer.....	\$ 701
	9055 Severe Duty Carbon(7) Washer.....	\$ 400
	7250 Extreme Duty Carbon(9) Washer.....	\$ 382
	<u>Type 9 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 286
	Tungsten Carbide(4) O-ring Seat.....	\$ 542
	Silicon Carbide(6) O-ring Seat.....	\$ 327
Type 8	Viton®(2) Elastomer / Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$ 539
	Kalrez®(6) Elastomer / Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$ 2,840

NOTE: Contact factory for price and availability for other seal face options.

Quench with Viton® Lip Seal:

Includes 2 tapped connections and oil cup..... \$ 606

Flush Options:

Tap and plug for 1/8" NPT connections (F) \$ 187

External - Recirculating flush line (R) \$ 619

(316SS fittings & tubing, and flush taps supplied. Must be plumbed to discharge pipe.)

Other Options: (Standard Bushing is Carbon Graphite)

Glass Filled Teflon® Bushing (Requires 1 per stage less 1, i.e. 4 stage needs 3 Bushings) \$ 220

O-rings Buna, Neoprene, or EPR (Requires 1 per stage plus 1 extra for Volute)..... No Charge

Teflon® O-rings (Requires 1 per stage plus 1 extra for Volute) **Adder per O-ring** \$ 88

Shaft Adder, 7/8": For use on 143TC, 145TC, 182C & 184C Frame Motors_(E)

2MS, 3MS \$ 233

4MS \$ 251

5MS \$ 281

6MS \$ 371

Double Mechanical Seal Options:

Price include two drilled and tapped 1/8" NPT connections in bracket.

List

Type 21 Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 769

Both seal ends provided. Seal face adders below are priced for product side only.
Type 21 - Washer adder each:

Tungsten Carbide(4) Washer..... \$ 678

9031 Chemical Carbon(5) Washer..... \$ 172

Silicon Carbide(6) Washer..... \$ 203

9055 Severe Duty Carbon(7) Washer..... \$ 167

Type 21 - Seat adders each:

Ni-Resist(2) Seat..... \$ 144

Tungsten Carbide(4) Seat..... \$ 589

Silicon Carbide(6) Seat..... \$ 295

Note: Contact factory for price and availability for other seal face options.
Frame Mounting Option: Bearing Frame Only

List

(lbs)

P/N 5478 (5/8" Keyed Shaft on Pump Side and 1-1/8"on Drive Side)..... \$ 503 20

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price)..... \$ 1,909 75

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units.
Motor Pricing: (AC Electric and Air Motor) Standard Motor - NEMA 56C Footless

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

Motor Pricing Continued:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	34	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	48	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	73	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Uses 182C/184C footed motor and 7/8" bore shaft (see shaft adder) (E)

CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59
Air Motors:
Note: 3000 RPM Maximum unless otherwise noted.

	List	(lbs)
2AM Air Motor P/N 1435GT (Delivers up to 0.93 HP)	CF	15
4AM Air Motor P/N 1452GT (Delivers up to 1.7 HP)	CF	12
6AM Air Motor P/N 1502GT (Delivers up to 4 HP)	CF	24
8AM Air Motor P/N 1504GT (Delivers up to 5 HP, 2500 RPM Maximum. Requires 7/8" Stub Shaft)	CF	28

Repair Kits:
(Standard horizontal 5/8" Stub Shaft and 7/8" Stub Shaft noted with "-78" in the P/N.)

	List
P/N 3101 1 Stage - Impeller Setscrews (2 each), Shaft w/Setscrews, & Slinger.....	\$ 157
P/N 3102 2 Stage - Carbon Graphite Bushing (1 each), Impeller Setscrews (4 each), Shaft w/Setscrews, & Slinger.....	\$ 239
P/N 3103 3 Stage - Carbon Graphite Bushing (2 each), Impeller Setscrews (6 each), Shaft w/Setscrews, & Slinger.....	\$ 371
P/N 3104 4 Stage - Carbon Graphite Bushing (3 each), Impeller Setscrews (8 each), Shaft w/Setscrews, & Slinger.....	\$ 473
P/N 3105 5 Stage - Carbon Graphite Bushing (4 each), Impeller Setscrews (10 each), Shaft w/Setscrews, & Slinger.....	\$ 543
P/N 3105-78 5 Stage - Carbon Graphite Bushing (4 each), Impeller Setscrews (10 each), Shaft w/Setscrews, & Slinger.....	\$ 565
P/N 3106 6 Stage - Carbon Graphite Bushing (5 each), Impeller Setscrews (12 each), Shaft w/Setscrews, & Slinger.....	\$ 641
P/N 3106-78 6 Stage - Carbon Graphite Bushing (5 each), Impeller Setscrews (12 each), Shaft w/Setscrews, & Slinger.....	\$ 675
P/N 3070 O-ring Viton® (Standard) (Requires 1 per stage plus 1 extra).....	\$ 7
P/N 3071 O-ring Teflon® (Requires 1 per stage plus 1 extra).....	\$ 35
P/N 3072 O-ring Neoprene (Requires 1 per stage plus 1 extra).....	\$ 21
P/N 3073 O-ring EPR (Requires 1 per stage plus 1 extra).....	\$ 4
P/N 3074 O-ring Buna (Requires 1 per stage plus 1 extra).....	\$ 4

Note: Seal and O-Ring must be ordered separately in addition to repair kit.
Special Assembly Tools:
Used for repairs

	List
P/N 1026 Allen Wrench for Type 9 Seal Assembly.....	\$ 5
P/N 3090 Setting Tool for MS50SS Impeller	\$ 649
P/N 3095 Setting Plate MS50SS	\$ 571
P/N 3096 Allen Wrench MS50SS Assembly Kit	\$ 5
P/N 3099 Assembly Kit MS50SS Contains:	
P/N 3090, 3095, 3096 and Bolts for 1-6 Stage Assembly / Instructions	\$ 1,049

Note: CF = Contact Factory

Close-Coupled Pump

Maximum Impeller Diameter: **4.94"**

Standard Motor: **NEMA 56C Footless** (Except As Noted)

Standard Footed Bracket: P/N 2426 **(AI, BF, SF)** and P/N 3701 **(AB)** Pumps

Standard Footless 316SS Bracket: P/N 0972 **(SS)** Pumps

Standard Mechanical Seal: **Single, 5/8"**
(AI, BF, SF, AB): Type 6A Buna Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0538)

(SS): Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0553)

(HC): Type 09 Teflon® Elastomer, Carbon Washer vs. Ceramic/Kalrez® Seat (P/N 0682)

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Mechanical Seal

List Prices	AI	BF	SF	AB	SS	HC	(lbs)
CD100 (1" x 1-1/4" x 4.94").....	\$ 659	\$ 872	\$ 977	\$ 1,789	\$ 2,266	CF	20
CD150 (1-1/2" x 2" x 4.94").....	\$ 860	\$ 1,034	\$ 1,145	\$ 2,128	\$ 2,806	N/A	29
Trimmed impeller adder (any size other than full-size, 1/8" increments).....							\$ 47
Volute modified with O-ring (size #2-158) adder.....							\$ 216
Volute O-ring is standard on CD100AB and all CD150 models, and optional for CD100AI, BF, SF, SS and HC models.							
Optional Footless Bracket P/N 2428 (AI, BF & SF), P/N 3702 (AB) Pumps							No Charge
For use with 7/8" Shaft 143TC, 145TC, 182C and 184C Frame Motors, and when attaching pump to a Power Frame.							
7/8" Shaft Options on Horizontal Pumps (Vertical shaft options are in the vertical section) (E)							
For use on 143-145TC and 182-184C motors. (316 SS).....							\$ 174
For use on 143-145TC and 182-184C motors. (Hastelloy C).....							CF

Vertical Immersion Sealless: Pump End Only - Includes full-size Impeller, std Bushing (SS Column), & std 13" Column

List Prices	AI	BF	SF	SS	(lbs)
CD100V (1" x 1-1/4" x 4.94").....	\$ 1,070	\$ 1,533	\$ 1,404	\$ 3,403	25
CD150V (1-1/2" x 2" x 4.94").....	\$ 1,177	\$ 1,595	\$ 1,696	\$ 4,159	33
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 47				
Volute modified with O-ring (size #2-158) adder.....	\$ 216				
Volute O-ring is standard on all CD150 models and optional for CD100AI, BF, SF, SS and HC models.					

Cast Iron / Carbon Steel Column List Adders:

	AI/BF/SF	(lbs)
13" Cast Iron Column (3) P/N 0395-4.....	STD	2
20" Carbon Steel Column (4) P/N 3373-20.....	\$ 948	3
32" Carbon Steel Column (5) P/N 3373-32.....	\$ 1,037	9
44" Carbon Steel Column (6) P/N 3373-44.....	\$ 1,205	15

316 SS Column List Adders:

	AI/BF/SF	SS	(lbs)
6-1/2" 316 SS Column (1) P/N 0468.....	\$ 1,198	No Adder	-
13" 316 SS Column (3) P/N 0467.....	\$ 1,254	STD	2
20" 316 SS Column (4) P/N 0466.....	\$ 1,385	\$ 154	3
32" 316 SS Column (5) P/N 0472.....	\$ 1,567	\$ 347	9
44" 316 SS Column (6) P/N 0469.....	\$ 1,852	\$ 687	15

Mounting Plate Adders:

		List	
Carbon Steel Plate (P/N 0903)	(Fits Cast Iron 13" & Stainless Steel 6.6", 13", 20", 32" & 44" Columns).....	\$ 500	12
Carbon Steel Plate (P/N 0903-1)	(Fits Carbon Steel 20", 32" and 44" Columns).....	\$ 504	12
Stainless Steel Plate (P/N 0904)	(Fits Cast Iron 13" & Stainless Steel 6.6", 13", 20", 32" & 44" Columns).....	\$ 988	14

Note: CF - Call Factory

Fume Barrier Adders:

	5/8"	7/8"
Viton® Fume Barrier (2) P/N 0875, P/N 0877.....	\$ 85	\$ 105
Teflon® Fume Barrier (3) P/N 0876, P/N 0878.....	\$ 450	\$ 460

Vertical Flush Options: (Clean Flush & Recirculating Flush)..... \$ 618

Vertical Bushing Adders: (Carbon Graphite Bushing Standard in Carbon Steel & 316 SS Columns)

Note: No Bushing is required in a 13" Cast Iron Column (Labyrinth Design).

	List
Modification to 13" Cast Iron Column for use with bushing.....	\$ 430
Glass Filled Teflon Bushing (2) (P/N 1135).....	\$ 200
Alpha Silicon Carbide Bushing (6) (P/N 0616) <i>Note: Requires Tungsten Carbide Coated Shaft</i>	\$ 695
<i>Tungsten Carbide Coated Shaft (Contact Factory for Lead Time)</i>	\$ 978
Cutless Nitrile Rubber (P/N 2165) <i>Note: Requires Hard Chrome Shaft</i>	\$ 290
Cutless Viton Rubber (P/N 2263) <i>Note: Requires Hard Chrome Shaft</i>	\$ 589
<i>Hard Chrome Coated Shaft (Contact Factory for Lead Time)</i>	\$ 978

Note: Contact Factory for EPR Cutless Rubber Pricing.

Vertical 7/8" Shaft Options Adders:

7/8" 316SS Shaft For Use on 143TC, 145TC, 182C & 184C Frame Motors (E)

Adder for 7/8" shaft to fit 6-1/2" column.....	CF
Adder for 7/8" shaft to fit 13" column.....	\$ 336
Adder for 7/8" shaft to fit 20" column.....	\$ 372
Adder for 7/8" shaft to fit 32" column.....	\$ 599
Adder for 7/8" shaft to fit 44" column.....	\$ 775
For Hastelloy C 7/8" Vertical shafts.....	CF

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal: **Single, 5/8"**

(AI, BF, SF, AB): Type 6A Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0538)

(SS): Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0553)

(HC): Type 09 Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic/Kalrez®(5) Seat (P/N 0682)

Number in () are the BOM/Model number codes

	List
Type 6A Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 71
Adder for Ni-Resist(2) Seat.....	\$ 88

Type 6A seal not available for SS pumps

Advantage Type 21

Viton®(2) or EPR (5), GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat..... \$ 188

Type CD

Type 21	Buna(1), Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 71
	No adder for SS pumps	
	<u>Type 21 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	\$ 678
	9031 Chemical Carbon(5) Washer.....	\$ 172
	Silicon Carbide(6) Washer.....	\$ 203
	9055 Severe Duty Carbon(7) Washer.....	\$ 167
	<u>Type 21 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 102
	Tungsten Carbide(4) Seat.....	\$ 557
	Silicon Carbide(6) Seat.....	\$ 168
Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic-Kalrez®(5) O-Ring Seat.....	\$ 748
	<u>Type 9 - Washer adders:</u>	
	Glass-Filled Teflon(2) Washer & Wedges.....	\$ 418
	9031 Chemical Carbon(5) Washer.....	\$ 322
	Silicon Carbide(6) Washer.....	\$ 701
	9055 Severe Duty Carbon(7) Washer.....	\$ 400
	7250 Extreme Duty Carbon(9) Washer.....	\$ 382
	<u>Type 9 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 286
	Tungsten Carbide(4) O-ring Seat.....	\$ 542
	Silicon Carbide(6) O-ring Seat.....	\$ 327
Type 8	Viton®(2) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$ 539
	Kalrez®(6) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$ 2,840
	Includes Kalrez® Volute O-Ring 3062	

Quench with Viton® Lip Seal:

AI, BF, SF, & AB pumps with Type 6A Seal (includes 2 tapped connections and oil cup).....	\$ 606
SS pumps with Type 21 or Type 9 Seal (includes 2 tapped connections and oil cup).....	\$ 606

Quench not available for AI, BF, & SF Type 21 and Type 9 seals.

Viton Lip Seal not available with CD150 with 7/8" shaft, only Buna Lip Seal is available.

Flush Options:

Tap and plug for 1/8" NPT connections (F).....	\$ 167
External - Recirculating flush line (316SS fittings & tube supplied, and installed) (R).....	\$ 619
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$ 274

Double Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Price include two drilled and tapped 1/8" NPT connections in bracket.		List
Type 21	Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 790
	Both seal ends provided. Seal face adders below are priced for product side only.	
	<u>Type 21 - Washer adder each:</u>	
	Tungsten Carbide(4) Washer.....	\$ 678
	9031 Chemical Carbon(5) Washer.....	\$ 173
	Silicon Carbide(6) Washer.....	\$ 203
	9055 Severe Duty Carbon(7) Washer.....	\$ 167

Type 21 - Seat adders each:

Ni-Resist(2) Seat.....	\$ 138
Tungsten Carbide(4) Seat.....	\$ 604
Silicon Carbide(6) Seat.....	\$ 295

Frame Mounting Option:

Bearing Frame Only (Requires a Footless Bracket)

	List	(lbs)
P/N 5478 (5/8" Keyed Shaft on pump side and 1-1/8" on motor side).....	\$ 503	20
P/N 5501 (7/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive Side*).....	\$ 512	21
*Recommended for applications using greater than 3HP motors		
Gas engine adapter kit P/N 1188 (specify engine shaft size).....	\$ 353	

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price).....	\$ 1,909	75
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Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units.

Motor Pricing: (AC Electric and Air motor) Standard Motor - NEMA 56C Footless (Except as noted)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	N/A	-	N/A	-
1/2	\$580	3769+	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	34	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	48	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	-
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Uses 182C/184C footed motor and 7/8" bore shaft (see shaft adder) (E)

VFD (Variable Frequency Drive): see details on page 59

Air Motors:

Note: 3000 RPM Maximum unless otherwise noted.

	List	(lbs)
2AM Air Motor P/N 1435GT (Delivers up to 0.93 HP)	CF	15
4AM Air Motor P/N 1452GT (Delivers up to 1.7 HP)	CF	19
6AM Air Motor P/N 1502GT (Delivers up to 4 HP)	CF	24
8AM Air Motor P/N 1504GT (Delivers up to 5 HP, 2500 RPM Maximum. Requires 7/8" Stub Shaft)	CF	28

Horizontal Repair Kits: Includes Keyed Shaft w/Setscews, Impeller Lockdown Bolt & Flat Washer, Impeller Lockwashers, and Impeller Lockdown Key.

CD100/150 All Materials Of Construction

P/N 2205 for 56C 5/8" Keyed Shaft (Includes Shaft Slinger)	\$ 218
P/N 2205-1 for 143TC-184C motor 7/8" Keyed Shaft.....	\$ 318

Note: O-ring or Gasket, and Seal must be ordered seperately in addition to the repair kit.

Special Assembly Tools:

Used for repairs

P/N 1026 Allen wrench for Type 9 Seal Assembly.....	\$ 4
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Shaft Guard

P/N 0732-1, CD Shaft Guard 16 GA Alum 5052-H32.....	\$ 46
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Note: CF = Contact Factory

Close-Coupled Pump

Maximum Impeller Diameter: **RC200 = 4.06" RC300 = 4.62"**

Standard Motor: **NEMA 56C Footless** (Except As Noted)

Standard Footed Bracket: P/N 2426 **(AI, BF, SF)** and P/N 3701 **(AB)** Pumps

Standard Footless 316SS Bracket: P/N 0972 **(SS)** Pumps

Standard Mechanical Seal: **Single, 5/8"**
(AI, BF, SF, AB): Type 6A Buna Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0538)

(SS): Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0553)

Horizontal End Suction: Pump End Only - "O-ring Design" - Includes full-size Impeller, and standard Mechanical Seal

List Prices	AI	BF	SF	AB	SS	(lbs)
RC200 (2" x 2" x 4")	\$ 1,072	\$ 1,196	\$ 1,474	CF	\$ 2,337	33
RC300* (3" x 3" x 4-1/2")	\$ 1,233	\$ 1,358	\$ 1,636	CF	\$ 2,901	36

Trimmed impeller adder (any size other than full-size, 1/8" increments)..... **\$47**
All RC300 pumps running at 3600 RPM with impellers **larger than 4.00" should use a 7/8" stub shaft w/ 143TC, 145TC, 182C or 184C Motor.*

7/8" 316SS Shaft Options (Horizontal pumps, vertical shaft adders are in the vertical section) (E)

List Adder

For use on 143TC, 145TC, 182C & 184C Frame Motors, and RC300 Pumps with impellers larger than 4.00" @ 3600 RPM **\$174**

Optional Footless Bracket P/N 2428 (AI, BF & SF), P/N 3702 (AB)..... **No Charge**

For use with 7/8" shaft 143TC, 145TC, 182C and 184C Frame Motors, and when attaching pump to a Power Frame.

Vertical Immersion Sealless: Pump End Only - Includes full-size Impeller, std Bushing (SS Column), & std 13" Column

List Prices	AI	BF	SF	SS	(lbs)
RC200V (2" x 2" x 4")	\$ 2,173	\$ 2,379	\$ 2,362	\$ 3,504	41
RC300V (3" x 3" x 4-1/2")	\$ 2,264	\$ 2,481	\$ 2,668	\$ 4,267	44
Trimmed impeller adder (any size other than full-size, 1/8" increments).....				\$ 47	

All RC300 pumps running at 3600 RPM with impellers **larger than 4.00" should use a 7/8" stub shaft w/143TC, 145TC, 182C or 184C Motor.*

(See "Vertical Shaft Adder Section")

13" Cast Iron Column (3) P/N 0395-8.....	STD	2
20" Carbon Steel Column (4) P/N 3373-20.....	\$ 948	3
32" Carbon Steel Column (5) P/N 3373-32.....	\$ 1,037	9
44" Carbon Steel Column (6) P/N 3373-44.....	\$ 1,205	15

316 SS Column List Adders:

	AI/BF/SF	SS	
6-1/2" 316 SS Column (1) P/N 0468.....	\$ 1,207	No Charge	-
13" 316 SS Column (3) P/N 0467.....	\$ 1,290	STD	2
20" 316 SS Column (4) P/N 0466.....	\$ 1,385	\$ 151	3
32" 316 SS Column (5) P/N 0472.....	\$ 1,567	\$ 347	9
44" 316 SS Column (6) P/N 0469.....	\$ 1,852	\$ 687	15

Mounting Plate Adders:

Carbon Steel Plate (P/N 0923)	(Fits Cast Iron 13" and Stainless Steel 13", 20", 32", & 44" Columns).....	\$ 500	12
Carbon Steel Plate (P/N 0923-1)	(Fits Carbon Steel 13", 20", 32", & 44" Columns).....	\$ 504	12
Stainless Steel Plate (P/N 0924)	(Fits Cast Iron 13" and Stainless Steel 13", 20", 32", & 44" Columns).....	\$ 988	14

	Shaft Sizes	
	5/8"	7/8"
Fume Barrier Adders:		
Viton® Fume Barrier (2) P/N 0875, P/N 0877.....	\$ 83	\$ 105
Teflon® Fume Barrier (3) P/N 0876, P/N 0878.....	\$ 450	\$ 464

Vertical Flush Options: (Clean Flush & Recirculating Flush)..... \$ 618

Vertical Bushing Adders for SS Columns: (Carbon Graphite Bushing Standard in Carbon Steel & 316SS Columns)	List
Glass Filled Teflon Bushing (2) (P/N 1135).....	\$ 201
Alpha Silicon Carbide Bushing (6) (P/N 0616) <i>Note: Requires Tungsten Carbide Coated Shaft</i>	\$ 695
<i>Tungsten Carbide Coated Shaft (Contact Factory for Lead Time)</i>	\$ 978
Cutless Nitrile Rubber (P/N 2165) <i>Note: Requires Hard Chrome Shaft</i>	\$ 292
Cutless Viton® Rubber (P/N 2263) <i>Note: Requires Tungsten Carbide Coated Shaft</i>	\$ 589
<i>Hard Chrome Coated Shaft (Contact Factory for Lead Time)</i>	\$ 978

Notes: No bushing is required for 13" Cast Iron column, (Labyrinth Design).
Contact Factory for EPR Cutless Rubber Bushing Pricing.

Vertical 7/8" Shaft Option Adders:

(All RC300 pumps running at 3600 RPM with impellers **larger** than 4.00" should use a 7/8" stub shaft w/143TC, 145TC, 182C, or 184C Motor) (E)

	CF
Adder for 7/8" shaft to fit 6½" column (For SS column only).....	
Adder for 7/8" shaft to fit 13" column.....	\$ 336
Adder for 7/8" shaft to fit 20" column.....	\$ 383
Adder for 7/8" shaft to fit 32" column.....	\$ 618
Adder for 7/8" shaft to fit 44" column.....	\$ 775

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal: **Single, 5/8"**

(AI, BF, SF, AB): **Type 6A** Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N: 0538)

(SS): **Type 21** Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N: 0553)

Number in () are the BOM/Model number codes

	List
Type 6A Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 62
Adder for Ni-Resist(2) Seat.....	\$ 86
Type 6A seal not available for SS pumps	

Advantage Type 21

Viton®(2) or EPR (5), GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat..... \$ 188

Type 21 Viton®(2), Buna(1), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 71

No adder for SS pumps

Type 21 - Washer adders:

Tungsten Carbide(4) Washer.....	\$ 678
9031 Chemical Carbon(5) Washer.....	\$ 172
Silicon Carbide(6) Washer.....	\$ 203
9055 Severe Duty Carbon(7) Washer.....	\$ 167

Type 21 - Seat adders:

Ni-Resist(2) Seat.....	\$ 102
Tungsten Carbide(4) Seat.....	\$ 557
Silicon Carbide(6) Seat.....	\$ 168

Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic-Kalrez®(5) O-Ring Seat.....	\$	754
	<u>Type 9 - Washer adders:</u>		
	Glass-Filled Teflon(2) Washer & Wedges.....	\$	418
	9031 Chemical Carbon(5) Washer.....	\$	322
	Silicon Carbide(6) Washer.....	\$	701
	9055 Severe Duty Carbon(7) Washer.....	\$	400
	7250 Extreme Duty Carbon(9) Washer.....	\$	382
	<u>Type 9 - Seat adders:</u>		
	Ni-Resist(2) Seat.....	\$	286
	Tungsten Carbide(4) O-ring Seat.....	\$	542
	Silicon Carbide(6) O-ring Seat.....	\$	327
Type 8	Viton®(2) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$	539
	Kalrez®(6) Elastomer, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$	2,840

Quench with Viton® Lip Seal:

		List
AI, BF, SF, & AB pumps with Type 6A Seal (includes 2 tapped connections and oil cup).....	\$	606
SS pumps with Type 21 or Type 9 Seal (includes 2 tapped connections and oil cup).....	\$	606

Quench not available for AI, BF, & SF Type 21 and Type 9 seals.

Flush Options:

		List
Tap and plug for 1/8" NPT connections (F).....	\$	167
External - Recirculating flush line (316SS fittings & tube supplied, and installed) (R).....	\$	619
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$	274

Double Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Price include two drilled and tapped 1/8" NPT connections in bracket.

		List
Type 21	Viton®(2), Neoprene(4) or EP(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 769
	Both seal ends provided. Seal face adders below are priced for product side only.	
	<u>Type 21 - Washer adder each:</u>	
	Tungsten Carbide(4) Washer.....	\$ 678
	9031 Chemical Carbon(5) Washer.....	\$ 172
	Silicon Carbide(6) Washer.....	\$ 203
	9055 Severe Duty Carbon(7) Washer.....	\$ 167
	<u>Type 21 - Seat adders each:</u>	
	Ni-Resist(2) Seat.....	\$ 138
	Tungsten Carbide(4) Seat.....	\$ 604
	Silicon Carbide(6) Seat.....	\$ 315

Frame Mounting Option:

Bearing Frame Only (Requires a Footless Bracket)	List	(lbs)
P/N 5478 (5/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive side).....	\$ 508	20
P/N 5501 (7/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive Side)		
Used for RC300 pumps with 4.00" impellers or larger	\$ 512	21
Gas engine adapter kit P/N 1188 (specify engine shaft size when ordering).....	\$ 353	

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price)..... \$ 1,909 75

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units.

Motor Pricing: (AC Electric and Air motor) Standard Motor - NEMA 56C Footless (Except as noted)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	34	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	48	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	-
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-
10	-	CF	-	CF	-	-	CF	\$3,115	3811(2)	118	-	CF	-	CF	-
15	-	CF	-	CF	-	-	CF	\$3,885	3843(2)	169	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Uses 182C/184C footed motor and 7/8" bore shaft (see shaft adder) (E)

CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59

Air Motors:

3000 RPM Maximum unless noted

	List	(lbs)
2AM Air Motor P/N 1435GT (Delivers up to 0.93 HP)	CF	15
4AM Air Motor P/N 1452GT (Delivers up to 1.7 HP)	CF	19
6AM Air Motor P/N 1502GT (Delivers up to 4 HP)	CF	24
8AM Air Motor P/N 1504GT (Delivers up to 5 HP, 2500 RPM Maximum. Requires 7/8" Stub Shaft)	CF	28

Horizontal Repair Kits: Includes Shaft w/Setscrew

P/N 2207 for 56C 5/8" (Hex shaft, includes shaft slinger).....	\$ 323
P/N 2207-1 for 143TC-184C motor 7/8" (Hex Shaft).....	\$ 401
P/N 2204 for 56C 5/8" (Keyed shaft, includes shaft slinger).....	\$ 218
P/N 2204-1 for 143TC-184C motor 7/8" (Keyed shaft).....	\$ 318

Notes: O-ring or Gasket, and Seal must be ordered separately in addition to the repair kit.

When "Retro-Fitting" the older *Keyed-Style* pump to the *HEX-Style* pump, the Hex-Style impeller must be ordered in addition to the repair kit.

Special Assembly Tools:

Used for repairs

P/N 1026 Allen wrench for Type 9 Seal Assembly.....	\$ 4
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Shaft Guard

P/N 0732-1, CD Shaft Guard 16 GA Alum 5052-H32.....	\$ 47
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Note: CF = Contact Factory

Close-Coupled Pump

Maximum Impeller Diameter: **5.76"**

Standard Motors: **NEMA 56C Footless**

Standard Footless 316SS Bracket: P/N 3673 (Used w/ Motor Base Plate P/N 0197)

Standard Mechanical Seals: **Single, 1-1/2" Type 21** Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0122)

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Viton® Mechanical Seal

List Prices	SS	(lbs)
CL150 (1-1/2" x 2" x 5.76").....	\$ 2,251	24
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 69	
7/8" Shaft Bore Option (E)	\$ 190	
<i>For use on 143TC, 145TC, 182C and 184C Frame Motors.</i>		

Vertical Immersion Sealless: Pump End Only - Includes full-size Impeller, std Carbon Graphite Bushing, and std 13" SS Column

List Prices	SS	(lbs)
CL150V (1-1/2" x 2" x 5.6")	CF	28
Trimmed impeller adder (any size other than full-size, 1/8" increments)	CF	
Column Adders:		
6-1/2" 316 Stainless Steel Column.....	CF	-
13" 316 Stainless Steel Column (P/N 0467).....	CF	2
20" 316 Stainless Steel Column (P/N 0466).....	CF	3
32" 316 Stainless Steel Column (P/N 0472).....	CF	9
44" 316 Stainless Steel Column (P/N 0469).....	CF	15

Mounting Plate Adders:

Carbon Steel Plate (P/N 0903)	(Fits Stainless Steel 6-1/2", 13", 20", 32", & 44" Columns).....	CF	
Stainless Steel Plate (P/N 0904)	(Fits Stainless Steel 6-1/2", 13", 20", 32", & 44" Columns).....	CF	13

Fume Barrier Adders:

	Shaft Sizes	
	5/8"	7/8"
Viton® Fume Barrier (P/N 0875, P/N 0877).....	CF	CF
Teflon® Fume Barrier (P/N 0876, P/N 0878).....	CF	CF

Vertical Flush Options: (Clean Flush & Recirculating Flush)..... **CF**

Vertical Bushing Adders: (Carbon Graphite Bushing is Standard in 316SS Columns)

Glass Filled Teflon® Bushing (P/N 1135).....	CF
Alpha Silicon Carbide Bushing (P/N 0616) <i>Note: Requires Tungsten Carbide Coated Shaft</i>	CF
<i>Tungsten Carbide Coated Shaft (Contact Factory for Lead Time)</i>	CF
Cutless Nitrile Rubber Bushing (P/N 2165) <i>Note: Requires Hard Chrome Shaft</i>	CF
Cutless Viton® Rubber Bushing (P/N 2263) <i>Note: Requires Hard Chrome Shaft</i>	CF
<i>Hard Chrome Coated Shaft (Contact Factory for Lead Time)</i>	CF
<i>Note: Contact Factory for EPR Cutless Rubber Bushing Pricing.</i>	

Vertical Shaft Adders:

7/8" Shaft for 143TC, 145TC, 182C & 184C Frame Motors.

Add for 7/8" shaft to fit 6 1/2" column.....	CF
Add for 7/8" shaft to fit 13" column.....	CF
Add for 7/8" shaft to fit 20" column.....	CF
Add for 7/8" shaft to fit 32" column.....	CF
Add for 7/8" shaft to fit 44" column.....	CF

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seals:

Single, 1-1/2" Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0122)

Number in () are the BOM/Model number codes

Type 21	Buna(1) or EPR(5) Elastomer / Carbon(1) Washer vs. Ceramic(1) Seat.....	No Adder
	<u>Type 21 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	\$ 742
	9031 Chemical Carbon(5) Washer.....	\$ 251
	Silicon Carbide(6) Washer.....	\$ 405
	9055 Severe Duty Carbon(7) Washer.....	\$ 320
	9012 Hot Water Carbon(9) Washer.....	\$ 259
	<u>Type 21 - Seat adders:</u>	
	Ni-Resist(2) Seat	\$ 138
	Tungsten Carbide(4) Seat.....	\$ 512
	Silicon Carbide(6) Seat.....	\$ 365
Advantage Type 21		
	Viton®(2) or EPR (5), GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat.....	\$ 316
Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 799
	<u>Type 9 - Washer adders:</u>	
	9031 Chemical Carbon(5) Washer.....	\$ 557
	Silicon Carbide(6) Washer.....	\$ 1,387
	9055 Severe Duty Carbon(7) Washer.....	CF
	9012 Hot Water Carbon(9) Washer	CF
	<u>Type 9 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 542
	Tungsten Carbide(4) Seat.....	\$ 1,161
	Silicon Carbide(6) Seat.....	\$ 800
Type 8	Viton®(2) or Kalrez®(6) Elastomers, Carbon(1) Washer vs. Silicon Carbide(6) Seat	CF

Note: Contact Factory for price and availability of other seal face options

Flush Options:

Tap and plug Volute and Bracket for 1/8" NPT connections (CL comes standard with bracket flush hole tapped and plugged) (F)	No Charge
External - Recirculating flush line (316SS fittings & tube supplied and installed) (R).....	\$ 408
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$ 274

Quench Options: (No Quench options available for the CL150 pump)

Type CL150

(1-1/2" Seal)

Effective: 4/1/2025

Frame Mounting Option:

	List	(lbs)
Bearing Frame Only		
P/N 5478 (JM 5/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on motor side).....	\$ 503	20
P/N 5501 (7/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 512	21
Gas engine adapter kit (<i>specify engine shaft size when ordering</i>)	\$ 511	

Motor Pricing: (AC Electric and Air motor) Standard Motor - NEMA 56C Footless

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	N/A	-	N/A	-
1/2	\$580	3769+	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	34	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	48	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-
10	-	CF	-	CF	-	-	CF	\$3,115	3811(2)	118	-	CF	-	CF	-
15	-	CF	-	CF	-	-	CF	\$3,885	3843(2)	169	-	CF	-	CF	-

Motor Notes:

- + Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)
- (2) Uses 182C/184C Footed Motor and 7/8" (See Shaft Bore Option) (E)
- CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59



Type CL150 "G"

(182TC -184TC, 1-3/4" Seal)

Effective: 4/1/2025

Close-Coupled Pump

Maximum Impeller Diameter: 5.76"

Standard Motors: **NEMA 182TC -184TC Footed**

Standard Footless 316SS Bracket: P/N 3501

Standard Mechanical Seals: **Single, 1-3/4" Type 21** Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 3516)

This model will always have a "G" in the model code indicating a 1-3/4" seal.

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Viton® Mechanical Seal

List Prices	SS	(lbs)
CL150 (1-1/2" x 2" x 5.76").....	\$ 2,251	26
Trimmed impeller ADDER (any size other than full-size, 1/8" increments).....	\$ 69	

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seals:

Single, 1-3/4" Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 3516)

Number in () are the BOM/Model number codes

Type 21	Buna(1), Neoprene(4) or EPR(5) Elastomer / Carbon(1) Washer vs. Ceramic(1) Seat.....	No Adder
	<u>Type 21 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	CF
	9031 Chemical Carbon(5) Washer.....	CF
	Silicon Carbide(6) Washer.....	\$ 568
	9055 Severe Duty Carbon(7) Washer.....	CF
	<u>Type 21 - Seat adders:</u>	
	Tungsten Carbide(4) Seat.....	CF
	Silicon Carbide(6) Seat.....	\$ 483
Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 1,382
	<u>Type 9 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	CF
	9031 Chemical Carbon(5) Washer.....	CF
	Silicon Carbide(6) Washer.....	CF
	9055 Severe Duty Carbon(7) Washer.....	CF
	9012 Hot Water Carbon(9) Washer	CF
	<u>Type 9 - Seat adders:</u>	
	Tungsten Carbide(4) O-ring Seat.....	CF
	Silicon Carbide(6) O-ring Seat.....	CF

Note: Contact Factory for price and availability of other seal face options

Flush Options:

Tap and Plug for 1/8" NPT connections (CL comes standard with bracket flush hole tapped and plugged) (F)	No Charge
External - Recirculating flush line (316SS fittings & tube supplied, and installed) (R).....	\$ 408
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$ 274

Quench Options: (No Quench options available for the CL150 pump)



Type CL150 "G"

(182TC -184TC, 1-3/4" Seal)

Effective: 4/1/2025

Motor Pricing: (AC Electric Motor) Standard Motors - NEMA 182TC - 184TC Footed

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
3	-	CF	-	CF	-	-	CF	\$1,811	3528	50	-	CF	-	CF	-
5	-	CF	-	CF	-	-	CF	\$1,996	3517	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$2,126	3529	101	-	CF	-	CF	-

Motor Notes:

CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59

Close-Coupled Pump

Maximum Impeller Diameter: **5.98"**

Standard Motor: **NEMA 143JM - 184JM Footed** (Optional 56C, 143TC, 145TC, 182C, 184C)

Standard Mechanical Seal:

(AI, BF, SF, AB): Single, 1-1/2" Type 21 Buna Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0121)

(SS): Single, 1-1/2" Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0122)

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Mechanical Seal

List Prices	AI	BF	SF	AB	SS	(lbs)
XT100 (1" x 1-1/2" x 6") Tangential Threaded.....	\$ 1,283	\$ 1,530	\$ 2,200	\$ 2,574	\$ 3,457	33
XL100 (1" x 1-1/2" x 6") Centerline Flanged.....					\$ 3,443	37
XT150 (1 1/2" x 2" x 6") Tangential Threaded.....	\$ 1,336	\$ 1,553	\$ 2,371	\$ 2,802	\$ 4,074	35
XL150 (1 1/2" x 3" x 6") Centerline Flanged.....					\$ 4,385	43
XT200 (2" x 3" x 6") Tangential Threaded.....	\$ 1,533	\$ 1,750	\$ 2,586	\$ 2,943	\$ 4,696	34
XL200 (2" x 3" x 6") Centerline Flanged.....					\$ 5,000	49

Trimmed impeller adder (any size other than full-size, 1/8" increments)..... \$ 69

Adapter Bracket **Adder** for **AI, BF, & SF** pump end to 213/215JM Frame (10 & 15HP) P/N 3405..... \$ 69

Adapter Bracket **Adder** for **AB & SS** pump end to 213/215JM Frame (10 & 15HP) P/N 3388..... \$ 822
(Motors 1829 and 1840 can be used without this adder see page 38)

Horizontal Shaft Option:

5/8" Shaft for 56C (C)..... \$ 439

(Includes stub shaft P/N 0329-1, motor base P/N 0197, and extension plate P/N 3690)
7/8" Shaft for 143TC, 145TC, 182C & 184C (E) \$ 452

(Includes stub shaft P/N 0328-1, motor base P/N 0197, and extension plate P/N 3690)

Vertical Immersion Sealless: Pump End Only - Includes full-size Impeller, std Bushing (SS Column), & std 13" Column

List Prices	<i>(Uses 143JM, 145JM, 182 JM, & 184JM Frame Motors ONLY)</i>				SS	(lbs)
XT100V (1" x 1-1/2" x 6") Tangential Threaded.....	\$ 2,203	\$ 2,459	\$ 2,709	\$ 5,586		37
XL100V (1" x 1-1/2" x 6") (1" x 1-1/2" x 6") Centerline Flanged.....				\$ 5,640		42
XT150V (1 1/2" x 2" x 6") Tangential Threaded.....	\$ 2,294	\$ 2,524	\$ 3,034	\$ 5,999		39
XL150V (1 1/2" x 3" x 6") Centerline Flanged.....				\$ 6,238		52
XT200V (2" x 3" x 6") Tangential Threaded.....	\$ 2,412	\$ 2,640	\$ 3,282	\$ 6,371		42
XL200V (2" x 3" x 6") Centerline Flanged.....				\$ 6,965		58

Trimmed impeller adder (any size other than full-size, 1/8" increments)..... \$ 69

Column Adders:

		AI/BF/SF	SS	
13"	Cast Iron Column (3) P/N 0397.....	STD	-	-
13"	316 Stainless Steel Column (3) P/N 0481.....	\$ 1,689	STD	-
20"	316 Stainless Steel Column (4) P/N 0482.....	\$ 2,280	\$ 111	7
32"	316 Stainless Steel Column (5) P/N 0485.....	\$ 2,802	\$ 490	22
44"	316 Stainless Steel Column (6) P/N 0489.....	\$ 3,354	\$ 929	37

Mounting Plate Adders:

		List	
	Carbon Steel Plate (P/N 0905).....	\$ 662	11
	Stainless Steel Plate (P/N 0906).....	\$ 2,099	13

Fume Barrier Adders / Lip Seal: (SS Columns inc. P/N's 0309-2, 0977, 0505)

	13" CI Column Only	SS Columns Only
Buna Fume Barrier (1) (P/N 0756).....	\$ 49	\$ 332
Viton® Fume Barrier (2) (P/N 0757).....	\$ 137	\$ 378
Teflon® Fume Barrier (3) (P/N 0758).....	\$ 468	\$ 640

Vertical Flush Option: (Clean Flush & Recirculating Flush)..... CF

Vertical Bushing Adders for SS Columns: (Carbon Graphite Bushing is Standard in 316 SS Columns.)

Note: No Bushing is required in a 13" Cast Iron column (Labyrinth Design).

	List
Glass Filled Teflon® Bushing (2) (P/N 0342).....	\$ 370
Alpha Silicon Carbide Bushing (6) (P/N 0617) <i>Note: Requires Tungsten Carbide Coated Shaft</i>	\$ 978
<i>Tungsten Carbide Coated Shaft (Contact Factory for Lead Time)</i>	\$ 978
Cutless Nitrile Rubber Bushing (P/N 2079) <i>Note: Requires Hard Chrome Shaft</i>	\$ 327
<i>Note: Contact Factory for Viton® and EPR Cutless Rubber Pricing</i>	
<i>Hard Chrome Coated Shaft (Contact Factory for Lead Time)</i>	\$ 978

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal:

(AI, BF, SF, AB): **Single 1-1/2" Type 21 Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat** (P/N: 0121)

(SS): **Single 1- 1/2" Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat** (P/N: 0122)

Number in () are the BOM/Model number codes

Type 21 Viton®(2) or EPR(5) Elastomer / Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 72

No adder for SS pumps

Type 21 - Washer adders:

Tungsten Carbide(4) Washer.....	\$ 742
9031 Chemical Carbon(5) Washer.....	\$ 251
Silicon Carbide(6) Washer.....	\$ 405
9055 Severe Duty Carbon(7) Washer.....	\$ 320
9012 Hot Water Carbon(9) Washer.....	\$ 259

Type 21 - Seat adders:

Ni-Resist(2) Seat.....	\$ 138
Tungsten Carbide(4) Seat.....	\$ 512
Silicon Carbide(6) Seat.....	\$ 365

Advantage Type 21

Viton®(2) or EPR (5) Elastomer, GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat..... \$ 316

Type 2 Buna(1), Viton®(2), Neoprene(4) or EPR(5) Elastomer / Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 614

Type 2 - Washer adders:

Tungsten Carbide(4) Washer.....	\$ 1,151
9031 Chemical Carbon(5) Washer.....	\$ 277
Silicon Carbide(6) Washer.....	\$ 546
9055 Severe Duty Carbon(7) Washer.....	\$ 251
9012 Hot Water Carbon(9) Washer.....	\$ 251

Type 2 - Seat adders:

Ni-Resist(2) Seat.....	\$ 138
Tungsten Carbide(4) Seat.....	\$ 498
Silicon Carbide(6) Seat.....	\$ 354

Type 9	Teflon®(3) Elastomer / Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 799
	<u>Type 9 - Washer adders:</u>	
	9031 Chemical Carbon(5) Washer.....	\$ 557
	Silicon Carbide(6) Washer.....	\$ 1,387
	9055 Severe Duty Carbon(7) Washer.....	CF
	9012 Hot Water Carbon(9) Washer.....	CF
	<u>Type 9 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 542
	Tungsten Carbide(4) Seat.....	\$ 1,161
	Silicon Carbide(6) Seat.....	\$ 800
Type 8	Viton®(2) or Kalrez®(6) Elastomers, Carbon(1) Washer vs. Silicon Carbide(6) Seat.....	\$ 1,357

Note: Contact Factory for price and availability of other seal face options.

Flush Options:

XL Tap and plug Volute and Bracket for 1/8" NPT connections (F)	\$ 339
XT Tap and plug Bracket only (Volute Tap is Standard for XT) for 1/8" NPT connections (F).....	\$ 168
External - Recirculating flush line (316SS fittings & tubing supplied, and installed) (R).....	\$ 638
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$ 274
Internal - Recirculating flush line (SS, AI, and SF pumps only, not available on AB pumps) (L)	\$ 432

Quench Options:

Quench Gland with Viton® Lip Seal (Includes Gland Plate and 2 Tapped Connections with Oil Cup).....	\$ 940
Quench Gland with Teflon® Lip Seal (Includes Gland Plate and 2 Tapped Connections with Oil Cup).....	\$ 1,142

O-ring Option: Bracket modified for O-ring (Includes O-ring to match seal material)..... \$ 218

High Pressure Option: 300 PSI Maximum (available on 316 Stainless Steel pumps only)..... \$ 3,626

Includes: Type 8B-1 Viton® Seal, Carbon vs Tungsten Faces, Bracket Modified for Viton® O-ring

Case Gasket, Viton® O-ring, Gasket Sleeve and 16 Volute Bolts

Double Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Price include two drilled and tapped 1/8" NPT connections in bracket.		List
Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs Ceramic(1) Seat (Not available on TC or C frame pumps)	\$ 3,586
Type 21	Viton®(2) or EPR(5) Elastomer / Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 1,182
	Both seal ends provided	
	<u>Type 21 - Washer adder each:</u>	
	Tungsten Carbide(4) Washer.....	\$ 728
	9031 Chemical Carbon(5) Washer.....	\$ 243
	Silicon Carbide(6) Washer.....	\$ 407
	9055 Severe Duty Carbon(7) Washer.....	CF
	9012 Hot Water Carbon(9) Washer.....	\$ 251
	<u>Type 21 - Seat adders each:</u>	
	Ni-Resist(2) Seat.....	\$ 138
	Tungsten Carbide(4) Seat.....	\$ 493
	Silicon Carbide(6) Seat.....	\$ 356

Note: Contact the Factory for other seal face options for pricing and availability.

Frame Mounting Option: Bearing Frame Only

	List	(lbs)
P/N 5480 (JM 5/8" Keyed Shaft on pump side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 603	20

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price).....	\$ 2,628	150
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Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units.

Motor Pricing: (AC Electric and Air motor) Standard Motors - **NEMA 143JM, 145JM, 182JM, 184JM, 213JM, & 215JM**

(For optional 56C motors, see Optional Motor pricing)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1	-	CF	\$871	1806	35	-	CF	\$1,117	1804+	40	-	CF	-	CF	-
1 1/2	-	CF	\$1,446	3803	38	-	CF	\$1,236	1809+	44	-	CF	-	CF	-
2	-	CF	-	CF	-	-	CF	\$1,285	1363+	50	-	CF	-	CF	-
3	-	CF	-	CF	-	-	CF	\$1,396	1820+	76	-	CF	-	CF	-
5	-	CF	-	CF	-	-	CF	\$1,522	1825+	93	-	0	-	CF	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1 1/2	\$2,114	1361	\$981	1364	35	-	CF	\$1,038	1366	41	-	CF	-	CF	-
2	-	CF	\$1,069	1371	38	-	CF	\$1,072	1373+	47	-	CF	-	CF	-
3	\$1,440	1375	\$998	1378	45	\$1,946	3494	\$1,116	1380+	53	-	CF	\$2,574	1381	80
5	\$2,366	1382	\$1,631	1383	66	\$2,479	2351	\$1,437	1385	78	-	CF	\$5,023	1386	90
7 1/2	-	CF	\$1,287	1387	70	-	CF	\$1,679	1388	101	-	CF	\$4,978	1389	104
10	-	CF	\$2,142	1390*	129	-	CF	\$2,242	1391*	130	-	CF	\$5,886	1392*	177
15	-	CF	\$2,423	1395*	136	-	CF	\$2,684	1396*	169	-	CF	-	CF	-

Vertical Pumps Using a 10 or 15 HP Motor must use the following Motors:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
10	-	-	-	-	-	-	-	\$2,726	1829^	118	-	-	-	-	-
15	-	-	-	-	-	-	-	\$3,568	1840^	169	-	-	-	-	-

Motor Notes:

* Requires 213JM-215JM Bracket Adder. See beginning of XT/XL section for adder.

^ 215YZ frame uses a 215JM body with a 184JM Face. Adapter 3388 (page 43) not required if using motor 1829 or 1840

CF - Contact Factory before quoting

Type XT & XL

Optional Motor Pricing: (AC Electric and Air motor)

Optional Motors: 56C (Requires 5/8" Stub Shaft) (C)

143TC, 145TC, 182C & 184C (Requires 7/8" Stub Shaft) (E)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,142	3881	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	N/A	-	N/A	-
1/2	\$580	3769+	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	41	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252	53
2	\$1,174	1253	\$1,323	1256	48	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	50	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	-
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-
10	-	CF	-	CF	-	-	CF	\$3,115	3811(2)	118	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Uses 182C/184C Footed Motor and 7/8" (See Shaft Bore Option) (E)

CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59

Air Motors:

3000 RPM Maximum unless otherwise noted (See **Horizontal Shaft Options** for 5/8" & 7/8" Adder Pricing)

	List	(lbs)
4AM Air Motor P/N 1452GT (Delivers up to 1.7 HP. Requires 5/8" Stub Shaft)	CF	19
6AM Air Motor P/N 1502GT (Delivers up to 4 HP. Requires 5/8" Stub Shaft)	CF	24
8AM Air Motor P/N 1504GT (Delivers up to 5 HP, 2500 RPM Maximum. Requires 7/8" Stub Shaft)	CF	28

Horizontal Repair Kits: ABC, XT, XL (JM Frame)

P/N 0659 (AI, BF, SF, AB) Syn. Fiber Gasket, SS Shaft Sleeve, Teflon Sleeve & Impeller Lockdown Gasket.....	\$ 191
P/N 1019 (SS) Teflon Gasket, SS Shaft Sleeve, Teflon Sleeve & Impeller Lockdown Gasket.....	\$ 239

Note: Seal must be ordered separately in addition to the repair kit.

Special Assembly Tools:

Used for repairs

P/N 1026 Allen wrench for Type 9 Seal Assembly.....	\$ 4
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Type XJ & JB

Close-Coupled Pump

Maximum Impeller Diameter: (XJ/JB100, 150, 200) 8.00"

Standard Motor: (XJ/JB100, 150, 200) NEMA 143JM - 326JM [All Footed]

Standard Mechanical Seal:

(SS - XJ/JB100, 150, 200) Single, 1-1/2" Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0122)

(SF - JB100) Single, 1-1/2" Type 21 Buna Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0121)

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Viton® Mechanical Seal

List Prices	(Customer must specify motor frame size when ordering a Pump End Only)	SS	(lbs)
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XJ Centerline Flanged

XJ100 (1" x 1-1/2" x 8") Frame Sizes 143-184JM / 213-215JM*	\$ 6,095	71
XJ150 (1-1/2" x 3" x 8")		
For 143-184JM / 213-215JM* Motor (For 1 HP to 15 HP or Power Frame P/N 0502 Option)	\$ 6,684	78
For 254-256JM Motor	\$ 7,765	90
For 284JM Motor	\$ 8,772	90
XJ200 (2" x 3" x 8")		
For 143-184JM / 213-215JM* Motor (For 1 HP to 15 HP or Power Frame P/N 0502 Option)	\$ 6,853	86
For 254-256JM Motor	\$ 7,990	99
For 284-326JM Motor	\$ 8,955	126

JB Centerline Threaded

	SF	SS	
JB100 (1" x 1-1/2" x 8") All Frame Sizes 143-184JM / 213-215JM *	CF	\$ 5,964	65
JB150 (1-1/2" x 2" x 8")			
For 143-184JM / 213-215JM* Motor (For 1 HP to 15 HP or Power Frame P/N 0502 Option)	N/A	\$ 6,241	68
For 254-256JM Motor	N/A	\$ 7,068	80
JB200 (2" x 3" x 8")			
For 143-184JM / 213-215JM* Motor (For 1 HP to 15 HP or Power Frame P/N 0502 Option)	N/A	\$ 6,958	75
For 254-256JM Motor	N/A	\$ 7,809	88
For 284-326JM Motor	N/A	\$ 8,774	115
Trimmed impeller adder (any size other than full-size, 1/8" increments).....		\$ 69	

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal:

(SF): Single 1-1/2" Type 21 Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N: 0121)

(SS): Single 1-1/2" Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N: 0122)

Number in () are the BOM/Model number codes

Type 21	Buna(1), Viton®(2) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 72
	No adder for SS pumps.	
	<u>Type 21 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	\$ 742
	9031 Chemical Carbon(5) Washer.....	\$ 251
	Silicon Carbide(6) Washer.....	\$ 405
	9055 Severe Duty Carbon(7) Washer.....	\$ 320
	9012 Hot Water Carbon(9) Washer.....	\$ 259

Type 21 - Seat adders:

Ni-Resist(2) Seat.....	\$ 138
Tungsten Carbide(4) Seat.....	\$ 512
Silicon Carbide(6) Seat.....	\$ 365

Advantage Type 21

Viton®(2) or EPR (5) Elastomer, GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat.....	\$ 316
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Type 2 Buna(1), Viton®(2) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 672
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Price includes Type 2 bracket seal modification

Type 2 - Washer adders:

Tungsten Carbide(4) Washer.....	\$ 1,152
9031 Chemical Carbon(5) Washer.....	\$ 277
Silicon Carbide(6) Washer.....	\$ 546
9055 Severe Duty Carbon(7) Washer.....	\$ 234
9012 Hot Water Carbon(9) Washer.....	\$ 234

Type 2 - Seat adders:

Ni-Resist(2) Seat.....	\$ 138
Tungsten Carbide(4) Seat.....	\$ 498
Silicon Carbide(6) Seat.....	\$ 627

Type 9 Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 799
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Type 9 - Washer adders:

9031 Chemical Carbon(5) Washer.....	\$ 557
Silicon Carbide(6) Washer.....	\$ 1,387
9055 Severe Duty Carbon(7) Washer.....	CF
9012 Hot Water Carbon(9) Washer.....	CF

Type 9 - Seat adders:

Ni-Resist(2) Seat.....	\$ 542
Tungsten Carbide(4) Seat.....	\$ 1,161
Silicon Carbide(6) Seat.....	\$ 627

Type 8 Viton®(2) or Kalrez®(6) Elastomer, Carbon(1) Washer vs Silicon Carbide(6) Seat.....	CF
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Flush Options:

Tap and plug Volute and Bracket for 1/8" NPT connections (F).....	\$ 339
External - Recirculating flush line (Fittings, tube and flush taps supplied and installed) (R).....	\$ 638
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$ 274
Internal - Recirculating flush line (L).....	\$ 376

Quench Options:

Quench Gland with Viton® Lip Seal (Includes Gland Plate and 2 Tapped Connections with Oil Cup)	\$ 954
Quench Gland with Teflon® Lip Seal (Includes Gland Plate and 2 Tapped Connections with Oil Cup)	\$ 1,142

O-ring Option: Bracket modified for O-ring (Includes O-ring to match seal material).....	\$ 218
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High Pressure Option: 300 PSI Maximum	\$ 3,626
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Includes: Type 8B-1 Viton Seal, Carbon vs Tungsten Faces, Bracket Modified for Viton® O-ring
Viton® O-ring, Gasket Sleeve and 16 Volute Bolts

Double Mechanical Seal Options:

Price include two drilled and tapped 1/8" NPT connections in bracket.

List

Both Seal ends provided. Seal face adders below are priced for product side only.

Type 9 Teflon®(3) Elastomer, Carbon(1) Washer vs Ceramic(1) Seat (Not available on TC or C frame pumps) \$ 3,586

Type 21 Viton®(2) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 1,182

Both seal ends provided

Type 21 - Washer adder each:

Tungsten Carbide(4) Washer..... \$ 726

9031 Chemical Carbon(5) Washer..... \$ 243

Silicon Carbide(6) Washer..... \$ 407

9055 Severe Duty Carbon(7) Washer..... CF

9012 Hot Water Carbon(9) Washer..... \$ 251

Type 21 - Seat adders each:

Ni-Resist(2) Seat..... \$ 138

Tungsten Carbide(4) Seat..... \$ 493

Silicon Carbide(6) Seat..... \$ 356

Note: Contact the Factory for other seal face options for pricing and availability.

Frame Mounting Option:

Bearing Frame Only

List

(lbs)

P/N 0502 - Standard Duty (213/215JM Keyed Shaft on pump side and 1-1/2" Keyed Shaft on Drive Side)..... \$ 2,581 65

P/N 0519 - Standard Duty (254/256JM Keyed Shaft on pump side and 1-1/2" Keyed Shaft on Drive Side)..... \$ 2,721 75

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price)..... \$ 2,628 150

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units.

Motor Pricing: (AC Electric Motor Only. Air Motor not available)

Standard Motor: NEMA 143JM, 145JM, 182JM, 184JM, 213JM, 215JM, 254JM, 256JM, 284JM, 324JM & 326JM

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1	-	CF	\$871	1806	35	-	CF	\$1,117	1804+	40	-	CF	-	CF	-
1 1/2	-	CF	\$1,446	3803	38	-	CF	\$1,236	1809+	44	-	CF	-	CF	-
2	-	CF	-	CF	-	-	CF	\$1,285	1363+	50	-	CF	-	CF	-
3	-	CF	-	CF	-	-	CF	\$1,396	1820+	76	-	CF	-	CF	-
5	-	CF	-	CF	-	-	CF	\$1,522	1825+	93	-	CF	-	CF	-

Type XJ & JB

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1 1/2	\$2,114	1361	\$981	1364	35	-	CF	\$1,038	1366	41	-	CF	-	CF	-
2	-	CF	\$1,069	1371	38	-	CF	\$1,072	1373+	47	-	CF	-	CF	-
3	\$1,440	1375	\$998	1378	45	\$1,946	3494	\$1,116	1380+	53	-	CF	\$2,574	1381	80
5	\$2,366	1382	\$1,631	1383	66	\$2,479	2351	\$1,437	1385	78	-	CF	\$5,023	1386	90
7 1/2	-	CF	\$1,287	1387	70	-	CF	\$1,679	1388	101	-	CF	\$4,978	1389	104
10	-	CF	\$2,142	1390*	129	-	CF	\$2,242	1391*	130	-	CF	\$5,886	1392*	177
15	-	CF	\$2,423	1395*	136	-	CF	\$2,684	1396*	169	-	CF	-	CF	-
20	-	CF	\$3,227	1398^	225	-	CF	\$3,800	1399^	281	-	CF	-	CF	-
25	-	CF	\$3,575	1401^	233	-	CF	\$4,347	1402~	351	-	CF	-	CF	-
30	-	CF	-	CF	295	-	CF	\$7,213	2177~	406	-	CF	-	CF	-
40	-	CF	\$6,642	2347~	328	-	CF	\$7,629	3813~	486	-	CF	-	CF	-
50	-	CF	-	-	-	-	CF	\$8,330	3683~	590	-	CF	-	CF	-

Motor Notes:

* Requires 213JM-215JM Bracket, no adder required.

^ Requires 254JM-256JM pricing. See beginning of XJ/JB pricing section.

~ Requires 284JM-326JM pricing. See beginning of XJ/JB pricing section.

CF - Contact Factory before quoting

VFD (Variable Frequency Drive): see details on page 59

Horizontal Repair Kits:

List

XJ & JB Kit for 143/215 JM:

P/N 4095 - Teflon Gasket, SS Shaft Sleeve, Teflon Sleeve & Impeller Lockdown Gasket..... \$ 245

XJ & JB Kit for 254/256 (284-324) JM:

P/N 4096 - Teflon Gasket, SS Shaft Sleeve, Teflon Sleeve & Impeller Lockdown Gasket..... \$ 290

Note: Seal must be ordered separately in addition to the repair kit.

Special Assembly Tools:

Used for repairs

P/N 1026 Allen wrench for Type 9 Seal Assembly..... \$ 4

Maximum Impeller Diameter: **8.50"**

Standard Motor: **213JM - 365JM**

Standard Mechanical Seal: **(SS - XJ400) Single, 1-1/2" Type 21 Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0122)**

Close-Coupled Pump

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Viton® Mechanical Seal

List Prices	<i>(Customer must specify motor frame size when ordering a Pump End Only)</i>	SS	(lbs)
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XJ Centerline Flanged

XJ400 (4" x 4" x 8.5")

* For 213-215JM Please specify motor frame size when ordering PEO's	\$9,687	131
^ For 254-256JM Please specify motor frame size when ordering PEO's	\$9,687	131
~ For 284-286JM Please specify motor frame size when ordering PEO's	\$9,496	131
~ For 324-326JM Please specify motor frame size when ordering PEO's	\$9,496	131
# For 364-365JM Please specify motor frame size when ordering PEO's	\$9,496	131
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 83	

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal:

(SS): Single 1-1/2" Type 21 Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N: 0122)
Number in () are the BOM/Model number codes

Type 9	Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 799
	<u>Type 9 - Washer adders:</u>	
	9031 Chemical Carbon(5) Washer.....	\$ 557
	Silicon Carbide(6) Washer.....	\$ 1,387
	9055 Severe Duty Carbon(7) Washer.....	CF
	9012 Hot Water Carbon(9) Washer.....	CF
	<u>Type 9 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 542
	Tungsten Carbide(4) Seat.....	\$ 1,161
	Silicon Carbide(6) Seat.....	\$ 800
Type 21	Buna(1), Viton®(2) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ N/C
	<u>Type 21 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	\$ 742
	9031 Chemical Carbon(5) Washer.....	\$ 251
	Silicon Carbide(6) Washer.....	\$ 405
	9055 Severe Duty Carbon(7) Washer.....	\$ 320
	9012 Hot Water Carbon(9) Washer.....	\$ 259
	<u>Type 21 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 138
	Tungsten Carbide(4) Seat.....	\$ 512
	Silicon Carbide(6) Seat.....	\$ 365
Type 2	Buna(1), Viton®(2) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 421
	Price includes Type 2 bracket seal modification	
	<u>Type 2 - Washer adders:</u>	
	Tungsten Carbide(4) Washer.....	\$ 1,153
	9031 Chemical Carbon(5) Washer.....	\$ 277
	Silicon Carbide(6) Washer.....	\$ 546
	9055 Severe Duty Carbon(7) Washer.....	\$ 261
	9012 Hot Water Carbon(9) Washer.....	\$ 261
	<u>Type 2 - Seat adders:</u>	
	Ni-Resist(2) Seat.....	\$ 138

Tungsten Carbide(4) Seat.....	\$ 498
Silicon Carbide(6) Seat.....	\$ 627

Advantage Type 21

Viton®(2) or EPR (5) Elastomer, GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat.....	\$ 316
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Flush Options:

Tap and plug Volute and Bracket for 1/8" NPT connections (F).....	\$ 339
External - Recirculating flush line (Fittings, tube and flush taps supplied and installed) (R).....	\$ 638
Additional Cooling Option (Price added to External recirculation flush): Adds additional cooling loops to recirculation line (A).....	\$ 274

Motor Pricing: (AC Electric Motor Only.)

Standard Motor: NEMA 213JM, 215JM, 254JM, 256JM, 284JM, 324JM, 326JM, 364JM, 365JM

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
7 1/2	\$3,464	1447*	\$1,988	1453*	125	-	CF	\$2,195	3561*	131	-	CF	-	CF	-
10	\$4,288	1448*	\$2,149	1454*	135	-	CF	\$2,583	1450*	137	-	CF	-	CF	-
15	-	CF	\$3,032	1455^	155	-	CF	\$4,625	1451^	236	-	CF	-	CF	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
40	-	CF	\$6,642	2347~	331	-	CF	\$7,629	3813~	486	-	CF	-	CF	-
50	-	CF	\$7,451	2348~	368	-	CF	\$8,330	3683~	590	-	CF	-	CF	-
60	-	CF	\$9,258	2349~	401	-	CF	\$12,745	3760~	650	-	CF	-	CF	-
75	-	CF	-	CF	-	-	CF	\$15,411	3774~	1005	-	CF	-	CF	-
100	-	CF	-	CF	-	-	CF	-	CF	-	-	CF	-	CF	-

Motor Notes:

- * Requires 213JM-215JM Bracket, no adder required.
- ^ Requires 254JM-256JM pricing. See beginning of XJ400 pricing section.
- ~ Requires 284JM-326JM pricing. See beginning of XJ400 pricing section.
- # Requires 364JM-365JM pricing. See beginning of XJ400 pricing section.
- CF - Contact Factory before quoting

Frame Mounting Option:

P/N 0519 Standard Duty (254/256JM Keyed Shaft on pump side and 1-1/2" Keyed Shaft on Drive Side).....	\$ 2,721
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VFD (Variable Frequency Drive): see details on page 59

Horizontal Repair Kits:

XJ400 Repair kit for 213/215 JM:

P/N 4100-1 - Synthetic Gasket, SS Shaft Sleeve, Sleeve O-Ring, Impeller Lockdown bolt, Gasket & Shaft Key.....	\$ 433
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XJ400 Repair kit for 254/365 JM:

P/N 4099-1 - Synthetic Gasket, SS Shaft Sleeve, Sleeve O-Ring, Impeller Lockdown bolt, Gasket & Shaft Key	\$ 548
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Note: Seal must be ordered separately in addition to the repair kit.

Close-Coupled Pump

Maximum Impeller Diameter: **4.75/50** (4.75" diameter with .5" vane height)

Standard Motor: **NEMA 56C Footless Only**

Standard Mechanical Seal: (AI, SF): **Single, 3/4" Type 21** Buna Elastomer, Carbon Washer vs. Ceramic Seat (P/N 1112)

(SS): **Single, 3/4" Type 21** Viton® Elastomer, Carbon Washer vs. Ceramic Seat (P/N 0549)

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Mechanical Seal

List Prices	AI	SF	SS	(lbs)
SP150 (1-1/2" x 1-1/2" x 4.75")	\$ 1,750	\$ 2,185	\$ 5,080	47
Trimmed impeller adder (any size other than full-size, 1/8" increments).....			\$ 47	

Single Mechanical Seal Options:

Standard Seal for (AI, SF): **Single, 3/4" Type 21** Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 1112)

(SS): **Single, 3/4" Type 21** Viton®(2) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0549)

Number in () are the BOM/Model number codes
Type 21 Viton®(2), Neoprene(4) or EPR(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 88

No charge for SS pumps

Type 21 - Washer adders:

9031 Chemical Carbon(5) Washer..... \$ 116

Silicon Carbide(6) Washer..... \$ 295

9055 Severe Duty Carbon(7) Washer..... CF

Type 21 - Seat adders:

Ni-Resist(2) Seat..... \$ 138

Tungsten Carbide(4) Seat..... \$ 913

Silicon Carbide(6) Seat..... \$ 191

Advantage Type 21

Viton®(2) or EPR (5) Elastomer, GL Silicon Carbide(8) Washer vs. GL Silicon Carbide(8) Seat..... \$ 262

Type 9 Teflon®(3) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat..... \$ 729

Type 9 - Washer adders:

Glass Filled Teflon(2) Washer..... \$ 646

9031 Chemical Carbon(5) Washer..... \$ 405

Silicon Carbide(6) Washer..... \$ 1,518

Type 9 - Seat adders:

Ni-Resist(2) Seat..... \$ 635

Silicon Carbide(6) O-ring Seat..... \$ 864

Type 8 Kalrez®(6) Elastomer, Carbon(1) Washer vs Silicon Carbide(6) Seat..... CF

Viton®(2) Elastomer, Carbon(1) Washer vs Silicon Carbide(6) Seat..... CF

Note: Contact Factory for price and availability of other seal face options. Double Seal and Vertical Pumps are not available for the SP150.

Flush Options:

Tap and plug for 1/8" NPT connections (F)..... \$ 167

External - Recirculating flush line (R)..... \$ 499

(316SS fittings & tubing, and flush supplied. Must be plumbed to discharge pipe.)

Quench Options: (No quench option available for the SP150)

Frame Mounting Option:

Bearing Frame Only

P/N 5478 - (5/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side)..... **List \$ 503** (lbs) 20

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly - (3-4 weeks lead time)

Base plate (Motor and Power Frame not included in this price) **\$ 1,926** 150

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units

Motor Pricing: (AC Electric and Air Motor) Standard Motor - NEMA 56C Footless Only (Pump Bracket is Footed)

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1202	\$601	1206	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1209	\$671	1213	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1614	\$737	1601	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1683	\$824	1217	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806+	31	\$2,007	3882	\$2,695	1640	-

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	20	\$595	1219	\$659	1689	20	-	NA	-	NA	-
1/2	\$580	3769+	\$964	1228	19	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	21	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	32	\$816	1240	\$694	1244+	23	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	30	\$930	1247	\$680	1251+	28	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	32	\$1,107	1254	\$808	1258+	33	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	41	\$1,675	3366	\$977	1263+	53	-	CF	\$1,727	3349+	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

CF - Contact Factory before quoting

* If 5 HP motor is required contact factory for long coupled options

VFD (Variable Frequency Drive): see details on page 59

Repair Kits:

SP150AI & SF - P/N 0987 - Syn. Gasket, Shaft w/Setscrews, and Slinger..... **\$ 162**

SP150SS - P/N 0989 - Teflon Gasket, Shaft w/Setscrews, and Slinger..... **\$ 184**

Note: Seal must be ordered separately in addition to the repair kit.

Special Assembly Tools:

Used for repairs

P/N 1026 Allen wrench for Type 9 Seal Assembly..... **\$ 4**

Type Pryco

Pump End with Bearing Frame

Maximum Impeller Diameters: P50 / P75 / P95 - 3.88"

Standard Mechanical Seal: P50 / P75 / P95 - Single, 5/8" Type 6A Buna Elastomer, Carbon Washer vs Ceramic Seat (P/N 0538)

Horizontal End Suction: Pump End w/Bearing Frame-Includes full size impeller, standard Buna Mechanical Seal				
List Prices	AI	BF	AB	(lbs)
P50 (1/2" x 3/4" x 4")	\$ 739	\$ 803	CF	9
P75 (3/4" x 1" x 4")	\$ 739	\$ 803	CF	10
P95 (1" x 1-1/4" x 4")	*CF	*CF	*CF	10

For Sweeper Pumps (Cage and Lip Seals) Add: \$131

**Review any applications for P95 pumps with factory to confirm energy compliance before quoting*

Single Mechanical Seal Options: (Horizontal End Suction Pumps Only)

Standard Mechanical Seal:

(P50, P75) 5/8" Single, Type 6A Buna(1) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat (P/N 0538)

Number in () are the BOM/Model number codes

P50, P75

	List
Type 6A 5/8" Viton®(2), Neoprene(4) or EP(5) Elastomer, Carbon(1) Washer vs. Ceramic(1) Seat.....	\$ 71
Ni-Resist(2) Seat in place of Ceramic Seat.....	\$ 86

Note: Double Seals are not available on the Pryco Pumps.

Quench: (No Quench Option available for the Pryco Pumps.)

Flush: (No Flush Option available for the Pryco Pumps.)

Base Plate Mounting Option:

Includes Base, Coupling, Shaft Guard, & Assembly	List	(lbs)
Base plate (Motor and power frame not included in this price).....	CF	75

Note: Contact factory for standard horizontal (Non C Face) motors used for long coupled units

Repair Kits:

All Iron, Bronze Fitted, All Bronze

P50, P75

	List
P/N 0641 Repair kit.....	\$ 188
P/N 0790 Sweeper kit.....	\$ 229
P/N 0790-1 Sweeper kit with Cast Iron Impeller.....	\$ 310
P/N 0790-2 Sweeper kit with Bronze Impeller.....	\$ 272

Note: Seal and Gasket must be ordered separatley in addition to repair kit.

Note: CF = Contact Factory

Type HPMD

Magnetically Driven Pump

Maximum Impeller Diameter: **6.00"**

Standard Motor: **NEMA 56C Footless**

Standard Pump Configuration: **316 SS Pump, Viton® O-rings, Carbon Graphite Bushings, and Ceramic Thrust Washers**

Standard Magnets: **Samarium Cobalt**

Horizontal End Suction: Pump End Only-Includes full-size Impeller, standard Bushings and Thrust Washers

List Prices	SS	(lbs)
HP75MD (3/4" FNPT x 3/4" FNPT x 6.00") Threaded Ports.....	\$ 6,924	28
HP100MD (1" MNPT x 1" FNPT x 6.00") Threaded Ports.....	\$ 7,009	28
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 59	
7/8" Bore Adder: For use on 143TC, 145TC, 182C, and 184C Frame Motors (E).....	\$ 125	

O-ring Options: Viton® Volute O-ring (PN 3565) & Viton® Magnetic Cup O-ring (PN 2465) is Standard

Buna, Neoprene or EPR O-ring set	No Charge
Teflon® O-ring set	\$ 68
Kalrez® O-ring set	\$ 2,591
Fluorosilicone O-ring set	\$ 60
Teflon® Encapsulated Viton® or Silicone O-ring set	\$ 53

Note: Contact Factory for other O-Ring Options not listed here.

Bushing and Thrust Washer Options:

Alpha Silicon Carbide Washer (P/N 3629) Note: For use with standard 316SS Shaft	\$ 343
Alpha Silicon Carbide Bushing/Washer (P/N 3630, 3629) (Need Tungsten Carbide Coated Shaft)	\$ 519
Tungsten Carbide Coated Shaft (P/N 3695-30) Note: Contact factory for lead time	\$ 978

Frame Mounting Options: Bearing Frame Only

P/N 5478 up to 3HP (5/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 503	20
P/N 5501 5HP and above (7/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 512	21

Motor Pricing: (AC Electric Motor) Standard Motor - **NEMA 56C Footed Motor Recommended**

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1206	\$601	1202	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1213	\$671	1202	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1601	\$737	1202	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1217	\$824	1202	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806	31	\$2,007	3882	\$2,695	1640	-
1-1/2	-	CF	-	CF		-	CF	-	CF		-	CF	-	CF	

Type HPMD

Motor Pricing Continued:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	-	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	-	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	-	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	-	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	-	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	-	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	-	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Needs 7/8" shaft bore adder (see adder above) (E)

All applications requiring motors above 3 HP require a VFD or soft start with a 10 second acceleration time.

VFD (Variable Frequency Drive): see details on page 59

Type CDMD

Magnetically Driven Pump

Maximum Impeller Diameter: **4.94"**

Standard Motor: **NEMA 56C Footless**

Standard Pump Configuration: **316 SS Pump, Viton® O-rings, Carbon Graphite Bushings, and Ceramic Thrust Washers**

Standard Magnets: **Samarium Cobalt**

Horizontal End Suction: Pump End Only - Includes full-size Impeller, and standard Bushings and Thrust Washers

List Prices	SS	(lbs)
CD100MD (1" x 1-1/4" x 5") Threaded Ports.....	\$ 8,290	24
CD150MD (1-1/2" x 2" x 5") Threaded Ports.....	\$ 8,975	29
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 47	
7/8" Shaft Adder: For use on 143TC, 145TC, 182C and 184C Frame Motors (E).....	\$ 125	

O-ring Options: Viton® Volute O-ring (PN 3070) & Viton® Magnetic Cup O-ring (PN 2465) is Standard

Buna, Neoprene or EPR O-ring set	No Charge
Teflon® O-ring set	\$ 68
Kalrez® O-ring set	\$ 2,591
Fluorosilicone O-ring set	\$ 60
Teflon® Encapsulated Viton® or Silicone O-ring set	\$ 53

Note: Contact Factory for other O-Ring Options not listed here.

Bushing and Thrust Washer Options:

Alpha Silicon Carbide Washer (P/N 3629) Note: For use with standard 316SS shaft	\$ 343
Alpha Silicon Carbide Bushing & Washer (P/N 3630, 3629) Note: Need Tungsten Carbide Coated Shaft	\$ 519
Tungsten Carbide Coated Shaft (P/N 3695-30) Note: Contact factory for lead time	\$ 978

Frame Mounting Options: Bearing Frame Only

P/N 5478 up to 3HP (5/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 503	20
P/N 5501 5HP and up (7/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 512	21

Motor Pricing: (AC Electric motor) Standard Motor - **NEMA 56C Footed Motor Recommended**

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1206	\$601	1202	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1213	\$671	1202	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1601	\$737	1202	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1217	\$824	1202	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806	31	\$2,007	3882	\$2,695	1640	-
1-1/2	-	CF	-	CF		-	CF	-	CF		-	CF	-	CF	

Type CDMD

Motor Pricing Continued:

3600	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
RPM	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	-	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	-	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	-	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	-	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	-	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	-	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	-	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Needs 7/8" shaft bore adder (see adder above) (E)

All applications requiring motors above 3 HP require a VFD or soft start with a 10 second acceleration time.

VFD (Variable Frequency Drive): see details on page 59

Type 2MS75MD

Magnetically Driven Pump

Maximum Impeller Diameter: 5.98"

Standard Motor: NEMA 56C Footless

Standard Pump Configuration: 316 SS Pump, Viton® O-rings, Carbon Graphite Bushings, and Ceramic Thrust Washers

Standard Magnets: Samarium Cobalt

Horizontal End Suction: Pump End Only-Includes full-size Impeller, standard Bushings and Thrust Washers

List Prices

SS

(lbs)

2MS75MD (3/4" x 1" x 6.00") Threaded Ports..... \$ 7,806

Trimmed impeller adder (any size other than full-size, 1/8" increments)..... \$ 132

7/8" Shaft Bore Adder: For use on 143TC, 145TC, 182C and 184C Frame Motors (E)..... \$ 125

O-ring Options: 2 ea Viton® Volute O-ring (PN 3659) & 1 ea Viton® Magnetic Cup O-ring (PN 2465) is Standard

Buna, Neoprene or EPR O-ring set No Charge

Teflon® O-ring set \$ 224

Kalrez® O-ring set \$ 3,924

Fluorosilicone O-ring set \$ 95

Teflon® Encapsulated Viton® or Silicone O-ring set \$ 90

Note: Contact Factory for other O-Ring Options not listed here.
Bushing and Thrust Washer Options:

Alpha Silicon Carbide Washer (P/N 3629) (For use with standard 316SS shaft) \$ 343

Alpha Silicon Carbide Bushing/Washer (P/N 3630, 3629, 3631) (Need Tungsten Carbide Coated Shaft) \$ 519

Tungsten Carbide Coated Shaft (P/N 3695-30) Contact factory for lead time \$ 978

Frame Mounting Options: Bearing Frame Only

P/N 5478 up to 3HP (5/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side)..... \$ 503 20

P/N 5501 5HP and above (7/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side)..... \$ 512 21

Motor Pricing: (AC Electric Motor) Standard Motor - NEMA 56C Footed Motor Recommended

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1206	\$601	1202	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1213	\$671	1202	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1601	\$737	1202	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1217	\$824	1202	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806	31	\$2,007	3882	\$2,695	1640	-
1-1/2	-	CF	-	CF		-	CF	-	CF		-	CF	-	CF	

Type 2MS75MD

Motor Pricing Continued:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	-	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	-	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	-	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	-	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	-	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	-	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	-	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-
10	-	CF	-	CF	-	-	CF	\$3,115	3811(2)	118	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Needs 7/8" shaft bore adder (see adder above) (E)

All applications requiring motors above 3 HP require a VFD or soft start with a 10 second acceleration time.

VFD (Variable Frequency Drive): see details on page 59

Magnetically Driven Pump

Maximum Impeller Diameter: 5.76"

Standard Motor: NEMA 56C Footless

Standard Pump Configuration:

316 SS Pump, Viton® O-rings, Carbon Graphite Bushings, and Ceramic Thrust Washers

Standard Magnets: Samarium Cobalt

Horizontal End Suction: Pump End Only-Includes full-size Impeller, standard Bushings and Thrust Washers

List Prices	SS	(lbs)
CL150MD (1-1/2" x 2" x 5.76") Threaded Ports.....	\$ 8,954	31
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 47	
7/8" Shaft Bore Adder: Use on 143TC, 145TC, 182C, 184C Frame Motors <i>(For 5 & 7.5 HP only) (E)</i>	\$ 125	
High-Strength Magnets, Samarium Cobalt <i>(Required for 10 HP and above) (E)</i>	\$ 551	

O-ring Options: Viton® Volute O-ring (PN 0865) & Viton® Magnetic Cup O-ring (PN 2465) is Standard

Buna, Neoprene or EPR O-ring set	No Charge
Teflon® O-ring set	\$ 68
Kalrez® O-ring set	\$ 2,591
Fluorosilicone O-ring set	\$ 60
Teflon® Encapsulated Viton® or Silicone O-ring set	\$ 53

Note: Contact Factory for other O-Ring Options not listed here.

Bushing and Thrust Washer Options:

Alpha Silicon Carbide Washer (P/N 3629) <i>Note: For use with standard 316SS shaft</i>	\$ 343
Alpha Silicon Carbide Bushing & Washer (P/N 3630, 3629) <i>Note: Need Tungsten Carbide Coated Shaft</i>	\$ 519
Tungsten Carbide Coated Shaft (P/N 3695-30) <i>Note: Contact factory for lead time</i>	\$ 978

Frame Mounting Options: Bearing Frame Only

P/N 5478 up to 3HP (5/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 503	20
P/N 5501 5HP and up (7/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 512	21

Motor Pricing: (AC Electric Motor) Standard Motor - NEMA 56C Footed Motor Recommended

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1206	\$601	1202	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1213	\$671	1202	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1601	\$737	1202	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1217	\$824	1202	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806	31	\$2,007	3882	\$2,695	1640	-
1-1/2	-	CF	-	CF		-	CF	-	CF		-	CF	-	CF	

Type CLMD

Motor Pricing Continued:

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt (lbs)	List		List		Wt (lbs)	List		List		Wt (lbs)
	HP	1/60 P/N	3/60 P/N			1/60 P/N	3/60 P/N				1/60 P/N	3/60 P/N			
1/3	\$893	1218	\$767	1221	-	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	-	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	-	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	-	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	-	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	-	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	-	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-
10	-	CF	-	CF	-	-	CF	\$3,115	3811(2)	118	-	CF	-	CF	-
15	-	CF	-	CF	-	-	CF	\$3,885	3843(2)	-	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Needs 7/8" shaft bore adder (see adder above) (E)

All applications requiring motors above 3 HP require a VFD or soft start with a 10 second acceleration time.

Motors 10HP and above require High-Strength Magnets (see adder above)

VFD (Variable Frequency Drive): see details on page 59

Type XT/XLMD

Magnetically Driven Pump

Maximum Impeller Diameter: **5.98"**

Standard Motor: **NEMA 56C Footless**

Standard Pump Configuration:

316 SS Pump, Viton® O-rings, Carbon Graphite Bushings, and Ceramic Thrust Washers

Standard Magnets: **Samarium Cobalt**

Horizontal End Suction: Pump End Only-Includes full-size Impeller, standard Bushings and Thrust Washers

List Prices	SS	(lbs)
XT100MD (1" x 1-1/2" x 5.98") Threaded Ports.....	\$ 8,466	35
XL100MD (1" x 1-1/2" x 5.98") 150 # Centerline ANSI Dimension Flanged Ports.....	\$ 8,806	41
XT150MD (1-1/2" x 2" x 5.98") Threaded Ports.....	\$ 9,011	
XL150MD (1-1/2" x 3" x 5.98") 150 # Centerline ANSI Dimension Flanged Ports.....	\$ 9,373	
XT200MD* (2" x 3" x 5.98") Threaded Ports.....	\$ 9,418	
XL200MD* (2" x 3" x 5.98") 150 # Centerline ANSI Dimension Flanged Ports.....	\$10,047	
<i>*Pumps come standard with High Strength Magnets and 7/8" Shaft Bore</i>		
Trimmed impeller adder (any size other than full-size, 1/8" increments).....	\$ 68	
7/8" Shaft Bore Adder: For use on 143TC, 145TC, 182C, 184C Frame Motors <i>(For 5 & 7.5 HP only) (E)</i>	\$ 125	
High-Strength Magnets, Samarium Colbalt <i>(Required for 10 HP and above) (E)</i>	\$ 551	

O-ring Options: Viton® Volute O-ring (PN 0865) & Viton® Magnetic Cup O-ring (PN 2465) is Standard

Buna, Neoprene or EPR O-ring set	No Charge
Teflon® O-ring set	\$ 68
Kalrez® O-ring set	\$ 2,591
Fluorosilicone O-ring set	\$ 60
Teflon® Encapsulated Viton® or Silicone O-ring set	\$ 53

Note: Contact Factory for other O-Ring Options not listed here.

Bushing and Thrust Washer Options:

Alpha Silicon Carbide Washer (P/N 3629) <i>(For use with standard 316SS shaft)</i>	\$ 343
Alpha Silicon Carbide Bushing & Washer (P/N 3630, 3629) <i>(Need Tungsten Carbide Coated Shaft)</i>	\$ 519
Tungsten Carbide Coated Shaft (P/N 3695-30) <i>(Contact factory for lead time)</i>	\$ 978

Frame Mounting Options: Bearing Frame Only

P/N 5478 up to 3HP (5/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 503	20
P/N 5501 5HP and up (7/8" Keyed Shaft on Pump Side and 1-1/8" Keyed Shaft on Drive Side).....	\$ 512	21

Type XT/XLMD

Motor Pricing: (AC Electric Motor) Standard Motor - **NEMA 56C Footed Motor Recommended**

1800 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/4	\$750	1201	\$860	1204	20	\$692	1206	\$601	1202	19	\$1,405	3883	\$1,234	3884	-
1/3	\$908	1208	\$816	1211	22	\$719	1213	\$671	1202	22	\$1,437	1210	\$1,561	1214	28
1/2	\$1,012	1612	\$909	1637	24	\$813	1601	\$737	1202	23	\$1,586	1664	\$1,560	1638	30
3/4	\$1,194	1613	\$1,087	1697	33	\$962	1217	\$824	1202	25	\$1,767	1656	\$1,671	1639	33
1	\$1,367	3636	\$1,142	3881	-	\$1,103	1684	\$903	3806	31	\$2,007	3882	\$2,695	1640	-
1-1/2	-	CF	-	CF		-	CF	-	CF		-	CF	-	CF	

3600 RPM	Open Drip (D)					Totally Enclosed (T)					Explosion Proof (X)				
	List		List		Wt	List		List		Wt	List		List		Wt
HP	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)	1/60	P/N	3/60	P/N	(lbs)
1/3	\$893	1218	\$767	1221	-	\$595	1219	\$659	1689	20	-	CF	-	CF	-
1/2	\$580	3769+	\$964	1228	-	\$652	1226	\$594	1230	19	\$1,384	1227	\$1,602	1231	26
3/4	\$674	1232	\$961	1235	-	\$753	1233	\$580	1237	21	\$1,481	1234	\$1,665	1238	29
1	\$730	3757	\$987	1242	-	\$816	1240	\$694	1244+	35	\$1,586	1241	\$2,511	1245	31
1-1/2	\$979	1246	\$1,013	1249	-	\$930	1247	\$680	1251+	35	\$1,361	1248	\$1,565	1252+	53
2	\$1,174	1253	\$1,323	1256	-	\$1,107	1254	\$808	1258+	43	\$1,215	2342	\$1,365	1259+	60
3	\$1,901	1260	\$1,265	1261	-	\$1,675	3366	\$977	1263+	58	-	CF	\$1,727	3349+	60
5	-	CF	-	CF	-	-	CF	\$1,380	1655+(2)	80	-	CF	-	CF	-
7-1/2	-	CF	-	CF	-	-	CF	\$1,979	3763(2)	96	-	CF	-	CF	-
10	-	CF	-	CF	-	-	CF	\$3,115	3811(2)	118	-	CF	-	CF	-
15	-	CF	-	CF	-	-	CF	\$3,885	3843(2)	-	-	CF	-	CF	-

Motor Notes:

+ Motors rated at 50/60 Hz (all specifications above based on 60 Hz operation)

(2) Needs 7/8" shaft bore adder (see adder above) (E)

All applications requiring motors above 3 HP require a VFD or soft start with a 10 second acceleration time.

Motors 10HP and above require High-Strength Magnets (see adder above)

VFD (Variable Frequency Drive): see details on page 59



Variable Frequency Drive (VFD)

D700 Series

Horsepower 1/8 thru 1 hp: 1-Phase 110-115 VAC **Input** / 3-Phase 230 VAC **Output**

Horsepower 1/8 thru 10 hp: 1 and 3- Phase 200-240 VAC **Input** / 3-Phase 200-240 VAC **Output**

Horsepower 1/2 thru 10 hp: 3-Phase 380-480 VAC **Input** / 3-Phase 380-480 VAC **Output**

Enclosure: IP20, Not NEMA Rated

1-Phase 110-115 VAC Input / 3-Phase 230 VAC Output

<u>Ratings</u>		Model Number	List Price	Weight Lbs (kg)
Output Current (Amps)	HP			
0.8 FLA	1/8	FR-D710W-008-NA	\$550	1.1 (0.5)
1.4 FLA	1/4	FR-D710W-014-NA	\$600	1.1 (0.5)
2.5 FLA	1/2	FR-D710W-025-NA	\$662	1.8 (0.8)
4.2 FLA	1	FR-D710W-042-NA	\$850	2.2 (1.0)

1-Phase 200-240 VAC Input / 3-Phase 200-240 VAC Output

<u>Ratings</u>		Model Number	List Price	Weight Lbs (kg)
Output Current (Amps)	HP			
0.8 FLA	1/8	FR-D720S-008-NA	\$517	1.1 (0.5)
1.4 FLA	1/4	FR-D720S-014-NA	\$530	1.1 (0.5)
2.5 FLA	1/2	FR-D720S-025-NA	\$546	2.0 (0.9)
4.2 FLA	1	FR-D720S-042-NA	\$567	2.5 (1.1)
7.0 FLA	2	FR-D720S-070-NA	\$653	3.1 (1.4)
10.0 FLA	3	FR-D720S-100-NA	\$711	4.2 (1.9)

3-Phase 200-240 VAC Input / 3-Phase 200-240 VAC Output

<u>Ratings</u>		Model Number	List Price	Weight Lbs (kg)
Output Current (Amps)	HP			
0.8 FLA	1/8	FR-D720-008-NA	\$429	1.1 (0.5)
1.4 FLA	1/4	FR-D720-014-NA	\$476	1.1 (0.5)
2.5 FLA	1/2	FR-D720-025-NA	\$491	1.8 (0.8)
4.2 FLA	1	FR-D720-042-NA	\$538	2.2 (1.0)
7.0 FLA	2	FR-D720-070-NA	\$653	3.3 (1.5)
10.0 FLA	3	FR-D720-100-NA	\$652	3.3 (1.5)
16.5 FLA	5	FR-D720-165-NA	\$843	3.8 (1.7)
23.8 FLA	7-1/2	FR-D720-238-NA	\$1,412	7.5 (3.4)
31.8 FLA	10	FR-D720-318-NA	\$1,559	7.5 (3.4)

Note: 5 Year Manufacturer Warranty Applies to All VFD's



Variable Frequency Drive (VFD)

D700 Series Continued:

3-Phase 380-480 VAC Input & Output

<u>Ratings</u>		Model Number	List Price	Weight Lbs (kg)
Output Current (Amps)	HP			
1.2 FLA	1/2	FR-D740-012-NA	\$576	2.7 (1.2)
2.2 FLA	1	FR-D740-022-NA	\$653	2.7 (1.2)
3.6 FLA	2	FR-D740-036-NA	\$759	3.3 (1.5)
5.0 FLA	3	FR-D740-050-NA	\$843	3.3 (1.5)
8.0 FLA	5	FR-D740-080-NA	\$920	3.1 (1.4)
12.0 FLA	7-1/2	FR-D740-120-NA	\$1,495	6.9 (3.1)
16.0 FLA	10	FR-D740-160-NA	\$1,619	6.9 (3.1)

Note: 5 Year Manufacturer Warranty Applies to All VFD's

E700 and E800 Series

Horsepower 1/8 thru 20 hp: 3-Phase 200-240 VAC Input & Output

Horsepower 1/2 thru 20 hp: 3-Phase 380-480 VAC Input & Output

Enclosure: IP20, Not NEMA Rated

3-Phase 200-240 VAC Input & Output

<u>Ratings</u>		Model Number	List Price	Weight Lbs (kg)
Output Current (Amps)	HP			
0.8 FLA	1/8	FR-E720-008-NA	\$891	1.1 (0.5)
1.5 FLA	1/4	E820-0015-5-60 (Previously FR-E720-015-NA)	\$559	1.1 (0.5)
3.0 FLA	1/2	E820-0030-5-60 (Previously FR-E720-030-NA)	\$598	1.6 (0.7)
5.0 FLA	1	E820-0050-5-60 (Previously FR-E720-050-NA)	\$688	2.2 (1.0)
8.0 FLA	2	E820-0080-5-60 (Previously FR-E720-080-NA)	\$821	3.1 (1.4)
11.0 FLA	3	E820-0110-5-60 (Previously FR-E720-110-NA)	\$962	3.1 (1.4)
17.5 FLA	5	E820-0175-5-60 (Previously FR-E720-175-NA)	\$1,254	3.8 (1.7)
24.0 FLA	7-1/2	E820-0240-5-60 (Previously FR-E720-240-NA)	\$1,656	7.7 (3.5)
33.0 FLA	10	E820-0330-5-60 (Previously FR-E720-330-NA)	\$2,193	7.7 (3.5)
47.0 FLA	15	FR-E720-470-NA	\$4,633	19.9 (9.0)
60.0 FLA	20	E820-0600-5-60 (Previously FR-E720-600-NA)	\$3,377	19.9 (9.0)

Note: 5 Year Manufacturer Warranty Applies to All VFD's



Variable Frequency Drive (VFD)

E700 and E800 Series Continued:

3-Phase 380-480 VAC Input & Output

<u>Ratings</u>		Model Number	List Price	Weight Lbs (kg)
Output Current (Amps)	HP			
1.6 FLA	1/2	E840-0016-5-60 (Previously FR-E740-016-NA)	\$755	4.2 (1.9)
2.6 FLA	1	E840-0026-5-60 (Previously FR-E740-026-NA)	\$909	4.2 (1.9)
4.0 FLA	2	E840-0040-5-60 (Previously FR-E740-040-NA)	\$1,041	4.7 (2.1)
6.0 FLA	3	E840-0060-5-60 (Previously FR-E740-060-NA)	\$1,228	4.7 (2.1)
9.5 FLA	5	E840-0095-5-60 (Previously FR-E740-095-NA)	\$1,456	4.7 (2.1)
12.0 FLA	7-1/2	E840-0120-5-60 (Previously FR-E740-120-NA)	\$1,885	7.7 (3.5)
17.0 FLA	10	E840-0170-5-60 (Previously FR-E740-170-NA)	\$2,247	7.7 (3.5)
23.0 FLA	15	E840-0230-5-60 (Previously FR-E740-230-NA)	\$2,807	19.9 (9.0)
30.0 FLA	20	E840-0300-5-60 (Previously FR-E740-300-NA)	\$3,174	19.9 (9.0)

Note: 5 Year Manufacturer Warranty Applies to All VFD's

Note: Contact Factory for requirements above 20 HP and/or 60 FLA of motor.



Variable Frequency Drive (VFD)

VFD Accessories

Part No.	Description	List Price
FR-A7NC E KIT	CC Link Communication Option (For E700)	\$648
FR-A7ND E KIT	Device Net Communication Option (For E700)	\$1,023
FR-A7NP E KIT	Profibus DP Communication Option (For E700)	\$659
FR-A7NL E KIT	LonWorks Communication Option (For E700)	\$846
FR-A7AX E KIT	16-Bit Digital Input Communication Option (For E700)	\$328
FR-A7AY E KIT	Analog & Digital Output Option (For E700)	\$328
FR-A7AR E KIT	Relay Output Option (For E700)	\$335
FR-PU07	Alpha-Numeric multi-language keypad (For remote cable)	\$189
FR-PU07-BB-L	Battery powered Alpha-Numeric multi-language keypad (For E700)	\$546
FR-CB201	Remote PU Cable – 1 meter	\$81
FR-CB203	Remote PU Cable – 3 meter	\$97
FR-CB205	Remote PU Cable – 5 meter	\$149
FR-Configurator	Set-up Software	\$1,486
SC-FRPC	Serial Communication Cable (for PC to E700 VFD connection)	\$592

Centrifugal Pump Test Procedures & Pricing

Note: Test net prices are for **each** pump. Prices are for PPCO pumps only.
Testing Services available to other pump manufacturers - please contact factory.

Net Prices

A-1	Certified test of a single condition point, head & capacity only. PPCO standard published curve is marked to indicate the head found on a test at the required capacity. The head capacity and impeller diameter are stated on the curve.	\$150
A-2	The same test as A-1 but to include efficiency and NPSH at the condition point.	\$350
A-3	Certified performance test of a single impeller diameter with a curve plotted from the test data, including head, efficiency, and brake horsepower, all plotted against capacity.	\$300
A-4	The same test as A-3 but including NPSH.	\$600
<i>For frame mounted units add \$115 to prices shown above.</i>		
A-5	Hydrostatic Test of pump end components in accordance with Hydraulic Institute Standards.	\$100
A-9	Operational Fitness Test - run tested at BEP for Mechanical and Operational integrity while flowing water in test tank for (15) fifteen minutes.	\$150
A-15	Helium Test - pump is filled with helium and pressurized to 80 PSI, held for 3-5 minutes and is inspected for leaks in castings and all sealing surfaces.	\$175

Contact Factory for noise, vibration, and all other test requests

Witnessed Tests:

A-11	“Witnessed” testing is testing performed in the presence of the customer or authorized customer's representative.	CF
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Note: Net prices are for each pump. (PPCO Pumps Only)

Pump Options Special Pricing

Motor Label Change:

For special motor label requirements other than standard label supplied with motor, includes installation on motor before shipment. Availability of change to label must

Net Prices

CF

Passivate 316 Stainless Steel:

Passivate bracket, volute and impeller on 316 Stainless Steel pump/parts. Lead time for this service 3-4 weeks ARO.

\$250

Stainless Steel Labels:

Up to 3 lines plus a label setup fee. (\$10 set up, +\$10 per line)

\$40
(standard)

Certified Drawing:

Custom Outline pump end drawing mounted on a specific customer requested motor.

\$150

Engineering Department certified drawing of pump exterior dimensions. Please note pump must be ordered and built before the certified drawing can be completed. Net

\$175

Custom 3D Model drawing.

CF

High Temperature Bearing Grease:

Change bearing grease in power frame bearings to handle high temperatures up to 450° Fahrenheit.

\$170

Cut Suction Threads:

For use on Vertical pumps to decrease length for in-tank applications

Cut Suction threads off Cast Iron Volute

\$75

Cut Suction threads off Stainless Steel Volute

\$90

Build Pump on Customer Supplied Motor:

Horizontal Pump

\$75

Vertical Pump

\$125

Double Seal Pumping Ring:

Note: For OEM Use

P/N 2168 1-1/2" Pumping Ring for Type X Series

\$35

P/N 2167 5/8" Pumping Ring for Type CD/MS Series

\$35