

Optional C-Flanged Pump Speed Gear Reducers

GEAR SPEED REDUCER OPTIONS

A gear reducer can be directly mounted between a standard pump and motor combination. Gear speed reducers are available for applications with high

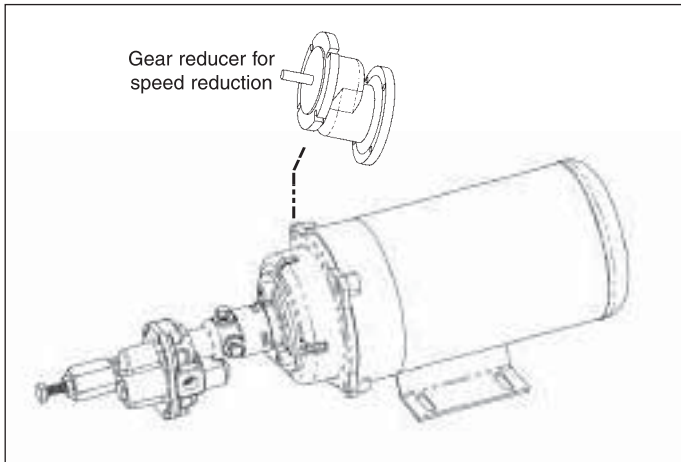
specific gravity, or when viscosities are greater than 500 SSU, using a standard 1725 RPM motor. The pump relationship between volume (GPM), pressure (PSI), speed (RPM), viscosity, specific

gravity and horsepower is shown on performance chart in SherTech Motor Manual form L-4082.

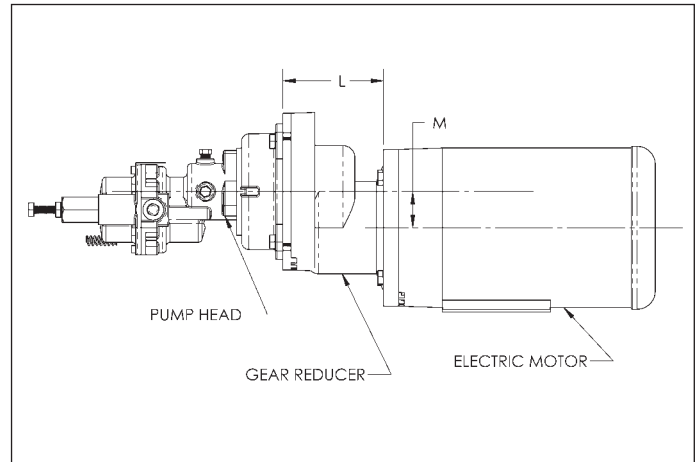
Price List	Model Number	Description	L*	M*	RPM Out**	Ship Weight (lbs.)
\$	AGR56C600	Gear Reducer, 56C to 56C, 3.0 ratio	5.177	1.675	583	21
\$	AGR56C900	Gear Reducer, 56C to 56C, 2.0 ratio	5.177	1.675	875	21
\$	AGR56C1200	Gear Reducer, 56C to 56C, 1.5 ratio	5.177	1.675	1167	21
\$	AGR145TC600	Gear Reducer, 145TC to 145TC, 3.0 ratio	5.625	2.875	583	29
\$	AGR145TC900	Gear Reducer, 145TC to 145TC, 2.0 ratio	5.625	2.875	875	29
\$	AGR145TC1200	Gear Reducer, 145TC to 145TC, 1.5 ratio	5.625	2.875	1167	29
\$	AGR184TC600	Gear Reducer, 184TC to 184TC, 3.0 ratio	7.43	2.875	583	56
\$	AGR184TC900	Gear Reducer, 184TC to 184TC, 2.0 ratio	7.43	2.875	875	56
\$	AGR184TC1200	Gear Reducer, 184TC to 184TC, 1.5 ratio	7.43	2.875	1167	56

(*) L dimension (in inches) is length of the gear reducer. M dimension (in inches) is the offset of the reducer output centerline from the motor centerline. All reducers may be rotated in 90° increments changing the orientation of the offset from top to side to bottom.

(**) Based on 1750 RPM motor speed.



Disassemble Pump From Motor and Insert Gear Reducer



Gear Reducer Installed between Pump and Motor (References L and M are dimensions in chart above.)

Source: Owner's Manual L-4087 (11/06)

56J-Face Frame Motors for Close-Coupled Centrifugal and Turbine Pumps

NOTE: Manufacturer does not stock 56J-Frame DC Motors.



Model Number: 14011

Standard Available Motors for Repair or Custom Applications

Price List	Item Number	Motor Code	Motor Type	HP	Motor Phase	Motor Hz**	Motor Voltage**	Approx. Amps**	NEMA Frame Size	Shaft*	RPM	Ship Wt. (lbs.)
56J Frame AC Motors												
\$	14010H	1	ODP	1/3	1	60	115/208-230	7.20/4.00-3.60	56J	5/8 Threaded	3450	15
\$	14011H	2	ODP	1/2	1	60	115/208-230	11.10/6.50-5.55	56J	5/8 Threaded	3450	17
\$	24361H	23	ODP	1/2	3	50/60	208-230/460	1.85-1.85/0.92	56J	5/8 Threaded	2830/3450	17
\$	24499H	2T	TEFC	1/2	1	60	115/208-230	7.00/3.80-3.50	56J	5/8 Threaded	3450	20
\$	13431H	23T	TEFC	1/2	3	50/60	208-230/460	1.87-1.70/0.85	56J	5/8 Threaded	2830/3450	20
\$	14012H	3	ODP	3/4	1	60	115/208-230	13.00/7.20-6.50	56J	5/8 Threaded	3450	17
\$	14015H	33	ODP	3/4	3	50/60	208-230/460	2.45-2.39/1.20	56J	5/8 Threaded	2830/3450	21
\$	13409H	3T	TEFC	3/4	1	60	115/208-230	9.80/5.40-4.90	56J	5/8 Threaded	3450	20
\$	14017H	33T	TEFC	3/4	3	50/60	208-230/460	2.50-2.30/1.15	56J	5/8 Threaded	2830/3450	26
\$	14013H	4	ODP	1	1	60	115/208-230	12.40/6.85-6.20	56J	5/8 Threaded	3450	23
\$	12991H	43	ODP	1	3	50/60	208-230/460	3.17-3.11/1.55	56J	5/8 Threaded	2830/3450	22
\$	24500H	4T	TEFC	1	1	60	115/208-230	12.20/6.75-6.10	56J	5/8 Threaded	3450	27
\$	18741H	43T	TEFC	1	3	50/60	208-230/460	3.20-2.90/1.45	56J	5/8 Threaded	2830/3450	27
\$	14014H	5	ODP	1½	1	60	115/208-230	17.00/9.35-8.50	56J	5/8 Threaded	3450	23
\$	14016H	53	ODP	1½	3	50/60	208-230/460	4.50-4.26/2.13	56J	5/8 Threaded	2830/3450	23
\$	13410H	5T	TEFC	1½	1	60	115/208-230	16.60/9.00-8.30	56J	5/8 Threaded	3450	23
\$	14018H	53T	TEFC	1½	3	50/60	208-230/460	4.63-4.20/2.10	56J	5/8 Threaded	2830/3450	25
\$	12985H	6	ODP	2	1	60	115/208-230	23.00/12.60-11.50	56J	5/8 Threaded	3450	34
\$	13341H	63	ODP	2	3	50/60	208-230/460	5.80-5.20/2.60	56J	5/8 Threaded	2830/3450	26
\$	13411H	6T	TEFC	2	1	60	115/208-230	19.40/10.70-9.7	56J	5/8 Threaded	3450	35
\$	19495H	63T	TEFC	2	3	50/60	208-230/460	5.92-5.36/2.68	56J	5/8 Threaded	2830/3450	32
\$	24364H	7	ODP	3	1	60	208-230	15.3-13.5	56J	5/8 Threaded	3450	30
\$	24365H	73	ODP	3	3	50/60	208-230/460	8.42-7.65/3.83	56J	5/8 Threaded	2830/3450	31
\$	24366H	7T	TEFC	3	1	60	208-230	13.3-12.2	56J	5/8 Threaded	3450	42
\$	23424H	73T	TEFC	3	3	50/60	208-230/460	8.30-7.60/3.80	56J	5/8 Threaded	2830/3450	41
DC Motors – Only for Pump Models on Pages 30-31												
\$	23697S	NA	TENV	Approx. 1/8	NA	NA	12	8.5	NA	8mm D-Flat	NA	3.5
\$	23802S	NA	TENV	Approx. 1/8	NA	NA	24	5.4	NA	8mm D-Flat	NA	3.5
\$	23661S	NA	TENV	Approx. 1/8	NA	NA	36	3.2	NA	8mm D-Flat	NA	3.5

TEFC = Totally-Enclosed Fan-Cooled ODP = Open Drip-Proof TENV = Totally-Enclosed Non-Ventilated
(*) 300 Series Stainless Steel

(**) Motor Notes:

- 1) Manufacturer does not specify dual-hertz performance for motors (however most 3-phase can operate at dual-hertz).
- 2) Manufacturer does not specify 208-volt performance for motors (however most high-voltage motors can operate at 208 volts).
- 3) Motor voltage and amperage are guidelines subject to change without notice (see label on driver for actual information).
- 4) Thermal overload protection is standard on all single-phase motors (overload protector may have automatic or manual reset); three-phase motors are not provided with thermal overload protection.
- 5) Manufacturer does not specify regulatory compliance for UL, UR, CSA or CE; however most models do comply to UL, UR and CSA.

NOTES: Driver data is subject to change without notice; see label on driver for actual information.
All motors include a base (the base may be removable, movable or welded).
Standard motors listed above are not wash-down or explosion-proof (manufacturer does not stock wash-down or explosion-proof motors).
Motors are not supplied with power cords.
Manufacturer reserves the right to change specifications without notification.

C-Face Frame AC Motors for Close-Coupled Gear and Flexible Impeller Pumps

Also for Long-Coupled or Pulley Drive Applications

NOTE: Manufacturer does not stock C-Face DC Motors.



Model Number: 217225

ACCESSORIES

Standard Available AC Motors for Repair or Custom Applications

Price List	Item Number	Motor Code	Motor Type	HP	Motor Phase	Motor Hz**	Motor Voltage**	Approx. Amps**	NEMA Frame Size	Shaft*	RPM	Ship Wt. (lbs.)
56C Frame Motors (For the A-Motor Bracket)												
\$	21720S	1	ODP	1/3	1	60	115/230	6.6/3.3	56C	5/8 Keyed	1725	18
\$	24632S	13	ODP	1/3	3	60	230/460	1.6/0.8	56C	5/8 Keyed	1725	18
\$	24633S	1T	TEFC	1/3	1	60	115/230	6.2/3.1	56C	5/8 Keyed	1725	24
\$	24634S	13T	TEFC	1/3	3	60	230/460	1.3/0.65	56C	5/8 Keyed	1725	19
\$	21721S	2	ODP	1/2	1	60	115/230	8.8/4.0	56C	5/8 Keyed	1725	21
\$	24635S	23	ODP	1/2	3	60	230/460	2.0/1.0	56C	5/8 Keyed	1725	20
\$	24636S	2T	TEFC	1/2	1	60	115/230	8.0/4.0	56C	5/8 Keyed	1725	22
\$	24637S	23T	TEFC	1/2	3	60	230/460	2.0/1.0	56C	5/8 Keyed	1725	22
\$	21722S	3	ODP	3/4	1	60	115/230	10.8/5.4	56C	5/8 Keyed	1725	27
\$	24638S	33	ODP	3/4	3	60	230/460	2.8/1.4	56C	5/8 Keyed	1725	25
\$	21594S	3T	TEFC	3/4	1	60	115/230	10.8/5.4	56C	5/8 Keyed	1725	26
\$	22146S	33T	TEFC	3/4	3	60	230/460	2.8/1.4	56C	5/8 Keyed	1725	25
\$	22154S	4	ODP	1	1	60	115/230	12.8/6.4	56C	5/8 Keyed	1725	34
\$	24639S	43	ODP	1	3	60	230/460	4.2/2.1	56C	5/8 Keyed	1725	33
\$	21595S	4T	TEFC	1	1	60	115/230	11.5/5.7	56C	5/8 Keyed	1725	32
\$	22147S	43T	TEFC	1	3	60	230/460	3.8/1.9	56C	5/8 Keyed	1725	34
\$	22155S	5	ODP	1 1/2	1	60	115/230	14.4/7.2	56C	5/8 Keyed	1725	39
\$	24640S	53	ODP	1 1/2	3	60	230/460	5.6/2.8	56C	5/8 Keyed	1725	37
\$	21596S	5T	TEFC	1 1/2	1	60	115/230	17.2/8.6	56C	5/8 Keyed	1725	39
\$	22148S	53T	TEFC	1 1/2	3	60	230/460	5.0/2.5	56C	5/8 Keyed	1725	37
143-145TC Frame Motors (For the B-Motor Bracket)												
\$	24641S	6	ODP	2	1	60	115-230	20.0/10.0	145TC	7/8 Keyed	1725	45
\$	24642S	63	ODP	2	3	60	230/460	6.0/3.0	145TC	7/8 Keyed	1725	42
\$	22149S	63T	TEFC	2	3	60	230/460	6.0/3.0	145TC	7/8 Keyed	1725	45
\$	24643S	6T	TEFC	2	1	60	230	9.2	145TC	7/8 Keyed	1725	49
182-184TC Frame Motors (For the C-Motor Bracket)												
\$	24644S	7	ODP	3	1	60	230	16.9	182TC	1 1/8 Keyed	1725	73
\$	24645S	73	ODP	3	3	60	230/460	8.4/4.2	182TC	1 1/8 Keyed	1725	58
\$	24646S	7T	TEFC	3	1	60	230	16.8	182TC	1 1/8 Keyed	1725	84
\$	22150S	73T	TEFC	3	3	60	230/460	8.2/4.1	182TC	1 1/8 Keyed	1725	68

TEFC = Totally-Enclosed Fan-Cooled ODP = Open Drip-Proof

(*) Carbon Steel

(**) Motor Notes:

- 1) Manufacturer does not specify dual-hertz performance for motors (however most 3-phase can operate at dual-hertz).
- 2) Manufacturer does not specify 208-volt performance for motors (however most high-voltage motors can operate at 208 volts).
- 3) Motor voltage and amperage are guidelines subject to change without notice (see label on driver for actual information).
- 4) Thermal overload protection is standard on all single-phase motors (overload protector may have automatic or manual reset); three-phase motors are not provided with thermal overload protection.
- 5) Manufacturer does not specify regulatory compliance for UL, UR, CSA or CE; however most models do comply to UL, UR and CSA.

NOTES: Driver data is subject to change without notice; see label on driver for actual specifications.

All motors include a base (the base may be removable, movable or welded).

Standard motors listed above are not wash-down or explosion-proof (manufacturer does not stock wash-down or explosion-proof motors).

Motors are not supplied with power cords.

Manufacturer reserves the right to change specifications without notification.

Carbonator AC Motors for Carbonator Gear Pumps

Standard Available Motors for Repair or Custom Applications

Price List	Item Number	Motor Code	Motor Type	HP**	Motor Phase	Motor Hz**	Motor Voltage**	Approx. Amps	Frame Size	Shaft*	RPM	Ship Wt. (lbs.)
<i>Carbonator Motors</i>												
\$	13857S	1	ODP	1/3	1	60	115	5.8	48Y	1/2 Slotted	1725	18
\$	13858CS	2	ODP	1/2	1	50/60	115/230	6.8-3.4	48Y	1/2 Slotted	1425/1725	21

ODP = Open Drip-Proof
(* Carbon Steel
See additional notes below.

48 Frame AC Motors for Plate-Mount Gear Pumps

Standard Available Motors for Repair or Custom Applications

Price List	Item Number	Motor Code	Motor Type	HP**	Motor Phase	Motor Hz**	Motor Voltage**	Approx. Amps	Frame Size	Shaft*	RPM	Ship Wt. (lbs.)
<i>48 Frame Motors</i>												
\$	24647S	1	ODP	1/3	1	60	115/230	6.6/3.3	48	1/2 Flat	1725	17
\$	24648S	2	ODP	1/2	1	60	115/230	8.8/4.4	48	1/2 Flat	1725	20

ODP = Open Drip-Proof
(* Carbon Steel
See additional notes below.

Hot Oil AC Motors for NR Series Pumps

Standard Available Motors for Repair or Custom Applications

Price List	Item Number	Motor Code	Motor Type	HP**	Motor Phase	Motor Hz**	Motor Voltage**	Approx. Amps	Frame Size	Shaft*	RPM	Ship Wt. (lbs.)
<i>Hot Oil Motors</i>												
\$	2561-0025S	1	ODP	1/3	1	60	115/230	6.8/3.4	56CZ	5/8" Flat	1725	18
\$	2561-0026S	2	ODP	1/2	1	60	115/230	8.2/4.1	56CZ	5/8" Flat	1725	21
\$	2563-0013S	3	ODP	3/4	1	60	115/230	10.4/5.2	56CZ	5/8" Flat	1725	27

ODP = Open Drip-Proof
(* 300 Series Stainless Steel
See additional notes below.

NOTE: This series of motors are custom 56C frame type.
Standard NEMA 56C frame motors will not work.

() Motor Notes:**

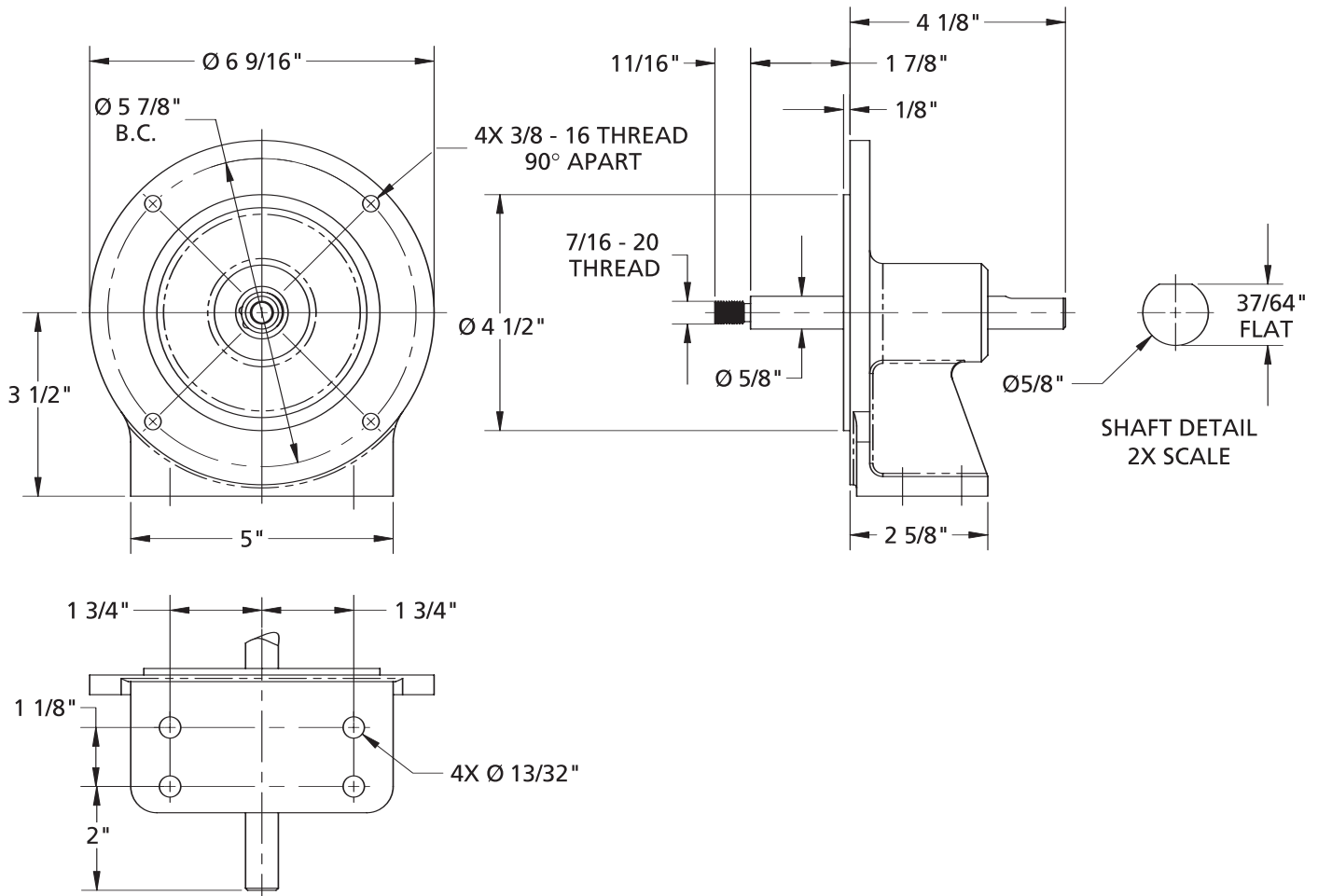
- 1) Manufacturer does not specify dual-hertz performance for motors (however most 3-phase can operate at dual-hertz).
- 2) Manufacturer does not specify 208-volt performance for motors (however most high-voltage motors can operate at 208 volts).
- 3) Motor voltage and amperage are guidelines subject to change without notice (see label on driver for actual information).
- 4) Thermal overload protection is standard on all single-phase motors (overload protector may have automatic or manual reset); three-phase motors are not provided with thermal overload protection.
- 5) Manufacturer does not specify regulatory compliance for UL, UR, CSA or CE; however most models do comply to UL, UR and CSA.

NOTES: Driver data is subject to change without notice; see label on driver for actual specifications.

All motors include a base (the base may be removable, movable or welded).
Standard motors listed above are not wash-down or explosion-proof (manufacturer does not stock wash-down or explosion-proof motors).
Motors are not supplied with power cords.
Manufacturer reserves the right to change specifications without notification.

Optional 56 J-Frame Pedestal Pump Mount Part Number 24479

(Replaces 56J frame motor)
(When long coupling or pulley drive is required)



NOTE: Dimensions have a tolerance of $\pm 1/8''$ (Ø) Diameter.

Price List	Part Number	Ship Wt. (lbs).
\$	24479	7

Impellers for Flexible Impeller Pumps

(To identify repair impeller, refer to dimensions below or owner's manual referenced by model type.)

Impeller Identification Chart for Stainless Steel Closed-Coupled Models

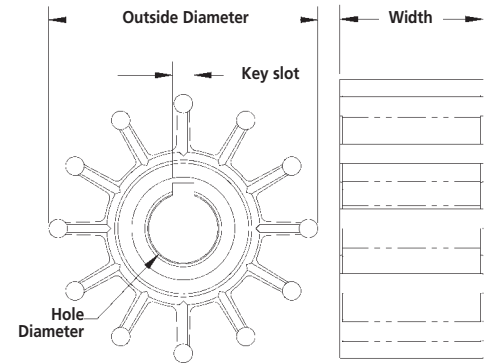
Price List	Impeller Part Number	Material	(Dimensions in inches)				Number of Blades
			Outside Dia.	Width	Hole Dia.	Key slot	
\$	09000S	Neoprene	2.45	0.88	0.63	0.18	12
\$	09959S	Neoprene	2.45	1.25	0.63	0.18	12
\$	15000S	Neoprene	2.58	2.00	0.63	0.18	12
\$	21235S	Nitrile*	2.45	0.88	0.63	0.18	12
\$	21251S	Nitrile*	2.45	1.25	0.63	0.18	12
\$	21236S	Nitrile*	2.58	2.00	0.63	0.18	12

Refer to repair parts list pages in the owner's manual to match up impeller with pump model.

(*) Nitrile is standard and is equivalent to Buna-N. Nitrile is suggested for pumping oil-based fluids, and Neoprene is suggested for pumping water-based fluids.

NOTES: Dry running will result in immediate failure of impeller and cause extreme pump temperature (do not handle pump when hot).
Impeller damage is not covered under warranty.

Manufacturer reserves the right to change dimensions without notification.



Source: Owner's Manual L-4093 (3/06)

Impeller Identification Chart for Bronze Close-Coupled Models

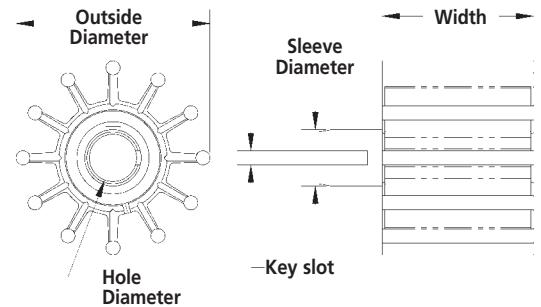
Price List	Impeller & Sleeve Part No.	Material	(Dimensions in inches)				Sleeve Dia.	Number of Blades
			Outside Dia.	Width	Hole Dia.	Key slot		
\$	21962S	Neoprene	2.45	0.88	0.63	0.18	0.75	12
\$	21963S	Neoprene	2.45	1.25	0.63	0.18	0.75	12
\$	21964S	Neoprene	2.58	2.00	0.63	0.18	0.75	12
\$	21957S	Nitrile*	2.45	0.88	0.63	0.18	0.75	12
\$	21958S	Nitrile*	2.45	1.25	0.63	0.18	0.75	12
\$	21959S	Nitrile*	2.58	2.00	0.63	0.18	0.75	12

Refer to repair parts list pages in the owner's manual to match up impeller with pump model.

(*) Nitrile is standard and is equivalent to Buna-N. Nitrile is suggested for pumping oil-based fluids, and Neoprene is suggested for pumping water-based fluids.

NOTES: Dry running will result in immediate failure of impeller and cause extreme pump temperature (do not handle pump when hot).
Impeller damage is not covered under warranty.

Manufacturer reserves the right to change dimensions without notification.



Source: Owner's Manual L-4094 (3/06)

Impeller Identification Chart for Bronze Pedestal Models

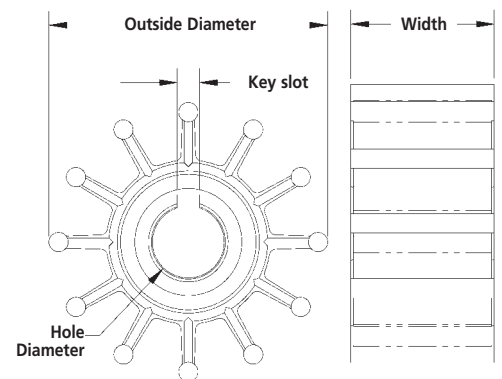
Price List	Impeller Part Number	Material	(Dimensions in inches)				Number of Blades
			Outside Dia.	Width	Hole Dia.	Key slot	
\$	10077S	Neoprene	2.23	0.78	0.53	0.09	12
\$	09959S	Neoprene	2.45	1.25	0.63	0.18	12
\$	10615S	Neoprene	2.58	1.63	0.63	0.18	12
\$	12336S	Nitrile*	2.23	0.78	0.53	0.09	12
\$	21251S	Nitrile*	2.45	1.25	0.63	0.18	12
\$	19317S	Nitrile*	2.58	1.63	0.63	0.18	12

Refer to repair parts list pages in the owner's manual to match up impeller with pump model.

(*) Nitrile is standard and is equivalent to Buna-N. Nitrile is suggested for pumping oil-based fluids, and Neoprene is suggested for pumping water-based fluids.

NOTES: Dry running will result in immediate failure of impeller and cause extreme pump temperature (do not handle pump when hot).
Impeller damage is not covered under warranty.

Manufacturer reserves the right to change dimensions without notification.



Source: Owner's Manual L-4095 (11/06)

Centrifugal and Turbine Pump Series Repair Seals

(To identify repair seals, refer to part number and/or description in the centrifugal owner's manual.)

Price List	Seal Assembly Part Number	Shaft Size*	Seat Diameter*	Seal Illustration	Bellows (Elastomer)	Seal Material	Seat Material	Case Material
\$	13263S	5/8	1¼	C	Viton	Carbon	Ceramic	316 SS
\$	14528S	5/8	1¼	B	Viton	Carbon	Ceramic	Polypropylene
\$	15047S	5/8	1¼	B	Viton	Silicon Carbide	Silicon Carbide	Polypropylene
\$	2120-0039S	5/8	1¼	A	Viton	Silicon Carbide	Silicon Carbide	316 SS
\$	24275S	5/8	1¼	A	Buna-N	Carbon	Ceramic	316 SS
\$	24276S	5/8	1¼	A	Viton	Carbon	Ceramic	316 SS
\$	24435S	5/8	1¼	C	Teflon	Carbon	Ceramic	316 SS
\$	24443S	5/8	1¼	C	Buna	Carbon	Ceramic	18-8 SS
\$	24455S	5/8	1¼	B	Viton	Carbon	Ceramic	Noryl**
\$	24456S	5/8	1¼	B	Viton	Silicon Carbide	Silicon Carbide	Noryl**
\$	24457S	7/8	1½	A	Viton	Carbon	Ceramic	316 SS
\$	24458S	7/8	1½	A	Buna	Carbon	Ceramic	316 SS
\$	24466S	5/8	1¼	C	Viton	Silicon Carbide	Silicon Carbide	316 SS

(*) Diameter in inches.

(**) Trade name for General Electric material polyphenylene oxide (PPO).

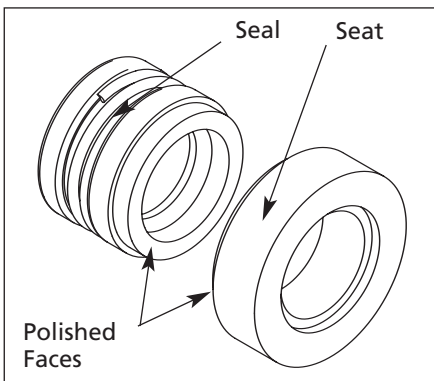


Illustration A

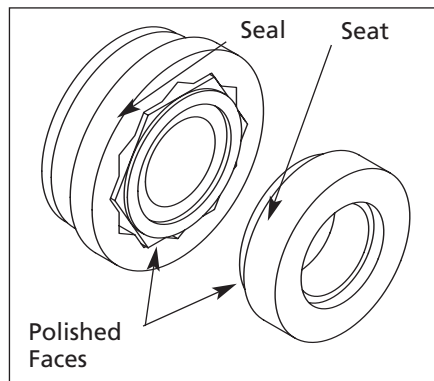


Illustration B

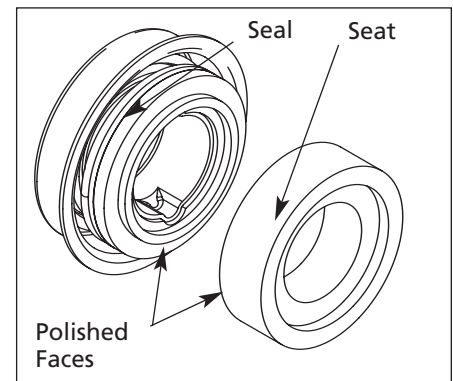


Illustration C

Source: Owner's Manual L-4071 (1/06)

Heavy-Duty Gear Pump Series Pump Repair Seals

(To identify repair seals for your pump, refer to part number and/or description in the corresponding owner's manual.)

Price List	Part Number
\$	24608S
\$	24611S
\$	24604S
\$	24607S
\$	24612S
\$	24613S
\$	24614S
\$	24609S
\$	24610S
\$	24605S
\$	24606S

Source: Owner's Manual - TBD