

# INSTALLATION \* OPERATION \* MAINTENANCE



**MANUAL FOR UNITS WITH SERIAL NUMBERS: RG-6000 AND ABOVE  
INCLUDES "F" SERIES DISPOSER**



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## **SAVE THESE INSTRUCTIONS!**

Keep this booklet in a convenient location for future reference.

# SAFETY



**RECOGNIZE SAFETY INFORMATION.** When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

**UNDERSTAND SIGNAL WORDS.** **DANGER**, **WARNING** and **CAUTION** appear with the safety-alert symbol in this manual and on safety labels on the machine to identify the level of hazard seriousness.



**DANGER** indicates a hazard that WILL result in severe personal injury or death.

**WARNING** indicates a hazard or unsafe practice which COULD result in severe personal injury or death.

**CAUTION** indicates a hazard or unsafe practice which COULD result in minor personal injury or equipment damage.



## READ ALL INSTRUCTIONS

Read this owner's manual before using the machine. Failure to follow the instructions provided could result in personal injury or equipment damage.

## KEEP OUT OF REACH OF CHILDREN

This disposer is intended for commercial use only.

**THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY.**



## WARNING PERSONAL INJURY

**DISPOSER MUST BE PROPERLY INSTALLED WITH A HOPPER/CONE OR SINK ATTACHMENT TO PREVENT SERIOUS INJURY FROM MOVING SHREDDER PARTS.**

**DO NOT PUT HANDS OR ANY IMPLEMENT IN THE DISPOSER WHILE IN OPERATION.**

**NEVER FEED WASTE BY HAND PAST VINYL SILVER TRAP SCRAPPING RING.**

**DO NOT OPERATE IF DAMAGED.**

Do not install or operate this disposer if the disposer has been dropped or damaged in any manner. Contact the nearest factory-authorized service center for examination, repair or adjustment. (Refer to the service center list included in the Owner's Information Packet.)

**DO NOT LEAVE THE DISPOSER UNATTENDED**

**SET THE POWER SWITCH TO OFF BEFORE CLEARING JAMS OR REMOVING OBJECTS FROM THE DISPOSER.**

When the disposer wiring is wired to a Manual Control or Model RAC1 Control Center, SHUT OFF the branch circuit main switch or disconnect.

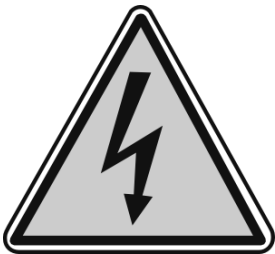
Use long-handled tongs or pliers to remove objects.

**TO REDUCE THE RISK OF INJURY BY MATERIALS THAT MAY BE EXPELLED BY THE DISPOSER, DO NOT PUT THE FOLLOWING INTO THE DISPOSER:** drain cleaner, glass, china or plastic, large whole bones, metal (bottle caps, tin cans, aluminum foil, etc.), whole cornhusks.

**ALWAYS KEEP VINYL SILVER SAVING TRAP SCRAPPING RING OR SINK STOPPER IN PLACE ON SERIES "F", EVEN WHEN NOT IN USE.**

This reduces the risk of objects falling into the disposer.

**WHEN CLEANING THE KITCHEN AND DISPOSER AREA, ONLY DAMP WIPE THE EXTERIOR OF DISPOSER AND CONTROLS. DO NOT AT ANY TIME HOSE DOWN THE EXTERIOR SURFACES OF THE DISPOSER AND CONTROLS.**



# GENERAL INSTALLATION

## FABRICATING

1. Consult installation and connection data and installation diagrams on following pages for regular cone or sink attachment dish table cutout sizes.
2. For cone attachment, position cone so water swirl inlet fitting is nearest to operator.
3. Weld the total circumference of cone or sink attachment to prevent leakage.
4. Smooth grind and polish to match and blend weld seams.

**NOTE:** DO NOT PLACE CONTROL MOUNTING BRACKETS IN DIRECT WATER SPLASH AREAS.

## PLUMBING

1. Consult installation and connection data and installation diagrams on following pages for mounting, hookups and pipe sizes.
2. "F" Series is mounted by suspending from dish table.
3. "A", "B" and "C" Series use a floor leg support system with a neoprene connecting sleeve and two (2) stainless steel clamps. Supplied sleeve (8" length) should be cut to required length for connection of disposer to dish table.
4. Slide in, or position, disposer to connect to waste line, avoiding as many bends, elbows and tees as possible.
5. Perform power-rotor reaming of waste line whether connection is made to a new or old waste line. New lines often contain foreign items left in the lines accidentally during construction.
6. Blow new water feed lines out before connections are made. Dirt, solder, or other foreign matter can lodge itself in the flow controls, solenoid valve and vacuum breaker, causing malfunction.
7. Install solenoid valve. Check that inlet and outlet ports are in proper direction.
8. Check that the disposer and dish table opening are in line, level and true. This is visible when neoprene sleeve is not kinked or partially collapsed. If level and in line adjustment is required, turn feet on bottom of legs.
9. Secure disposer to the floor using the holes provided in the feet.

## ELECTRICAL

**NOTE:** FOLLOW GUIDELINES SET FORTH BY NEC STANDARD AND LOCAL CODES.

1. Consult installation and connection data and diagrams on following pages for control placement and motor wiring.

**NOTE:** DO NOT PLACE CONTROL IN DIRECT WATER SPLASH AREAS

2. Follow supplied wiring schematics for all controls, solenoid valves and pre-wired custom control centers.
3. Size and fuse disposer branch circuit or use circuit breakers as required by motor nameplate rating.
4. Check that motor voltage wiring matches incoming voltage.

**NOTE:** ALL CONDUIT AND FITTINGS SHALL BE OF THE NEMA 4 WATERTIGHT TYPE.

5. Disposers that have thermal protection of the manual reset type, in motor. Check that the reset button is not jammed.
6. Disposers that do not have thermal protection in motor must have thermal protection (heaters) in control.
7. Check that all connections are tight, secure and well-grounded.

**NOTE:** Disposers are designed to operate in both a clockwise and counter-clockwise direction. Direction of rotation does not have to be considered when wiring a motor.

## GROUNDING

Connect disposer to a grounded metal permanent wiring system or run a disposer grounding conductor with the circuit conductors and connect it to the disposer grounding terminal or lead on the disposer.

# "F" SERIES - INSTALLATION & CONNECTION

**NOTE:** PLUMBING AND ELECTRICAL CONNECTIONS SHALL BE MADE IN COMPLIANCE WITH APPLICABLE LOCAL CONSTRUCTION CODES.

## PLUMBING

**Inlet:** Cold water supply to disposer shall be 1/2" service line with a minimum of 20lbs. Flow pressure, piped as close to disposer as possible. All disposer and control connections shall be 1/2" pipe sizes.

**Sewer Outlet:** 1-1/2" waste line should have trap with conveniently located clean out. *Do not connect through a grease trap!* Avoid bends, elbows, tees, etc., to reduce the possibility of plumbing stoppages. A globe valve, used for metering flow, must be installed between the solenoid valve and the cone or sink. Water swirl inlet valves should be located nearest operator.

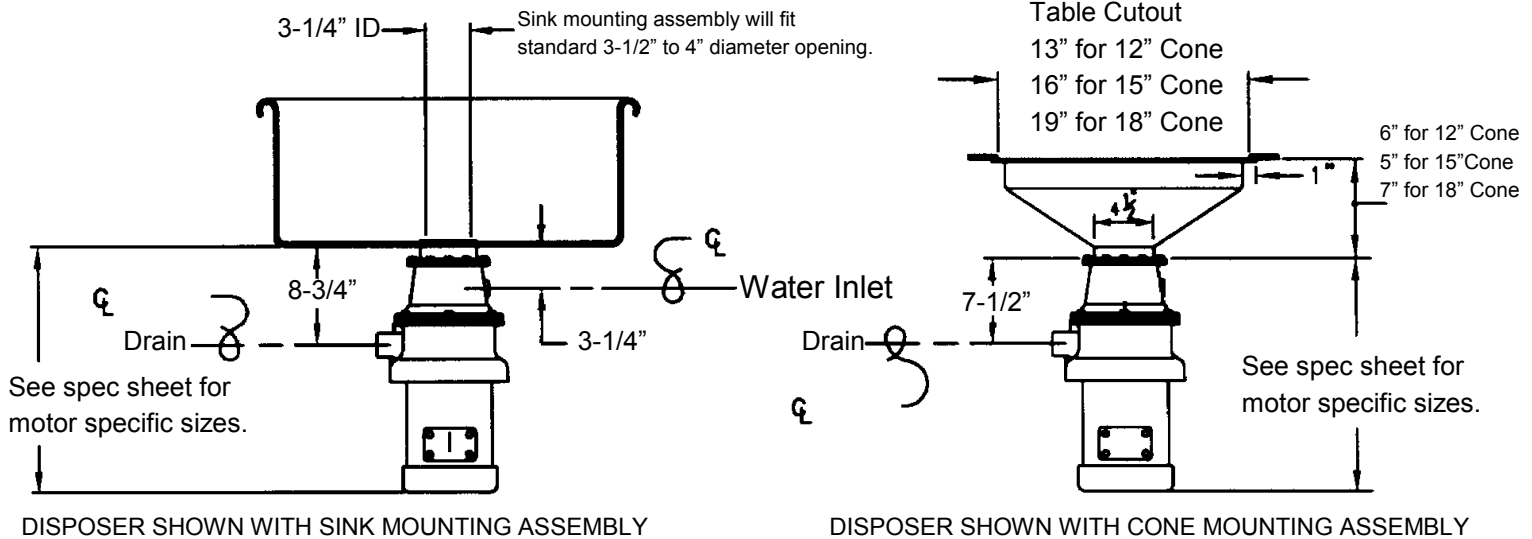
See Typical Installation Diagram.

## ELECTRICAL

Follow guidelines set forth by NEC standards. Disposer branch circuit shall be sized and fused (circuit breakers) as required by motor. The disposer must be connected to a grounded, metal, permanent wiring system; or a disposer-grounding conductor must be run with the circuit conductors and connected to the disposer-grounding terminal or lead on disposer. All connections, junction boxes and conduits must be watertight (NEMA 4).

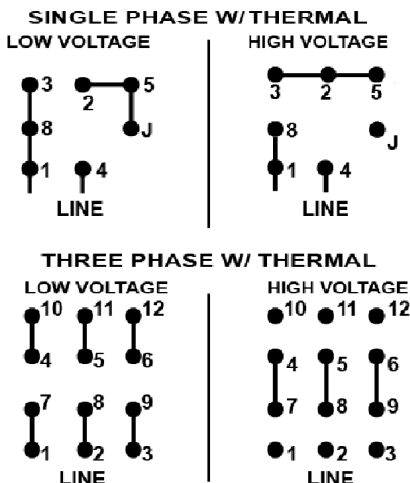
**TESTING** - See Startup and Run Section

## INSTALLATION DIAGRAM



## VOLTAGE-AMPERAGE TABLE

### MOTOR WIRING DIAGRAM



HP	THREE PHASE		THREE PHASE		SINGLE PHASE		SINGLE PHASE	
	Volts/60Hz	Amps	Volts/50Hz	Amps	Volts/60Hz	Amps	Volts/50Hz	Amps
0.5	208	2.5	208	2.6	115	4.6	110	6.8
	230	2.4			230	2.3	220	3.4
	460	1.2	415	1.3				
0.75	208	2.6	208	2.6	115	6.3	110	8.2
	230	2.4			230	3.15	220	4.1
	460	1.2	415	1.3				
1.25	208	3.7	208	4	115	11.1	110	12.8
	230	3.6			230	5.05	220	6.4
	460	1.8	415	2				

# “A” SERIES - INSTALLATION & CONNECTION

**NOTE:** PLUMBING AND ELECTRICAL CONNECTIONS SHALL BE MADE IN COMPLIANCE WITH APPLICABLE LOCAL CONSTRUCTION CODES.

## PLUMBING

**Inlet:** Cold water supply to disposer shall be 1/2" service line with a minimum of 20lbs. Flow pressure, piped as close to disposer as possible. All disposer and control connections shall be 1/2" pipe sizes.

**Sewer Outlet:** 2" waste line should have trap with conveniently located clean out. *Do not connect through a grease trap!* Avoid bends, elbows, tees, etc., to reduce the possibility of plumbing stoppages. A globe valve, used for metering flow, must be installed between the solenoid valve and the cone or sink. Water swirl inlet valves should be located nearest operator.

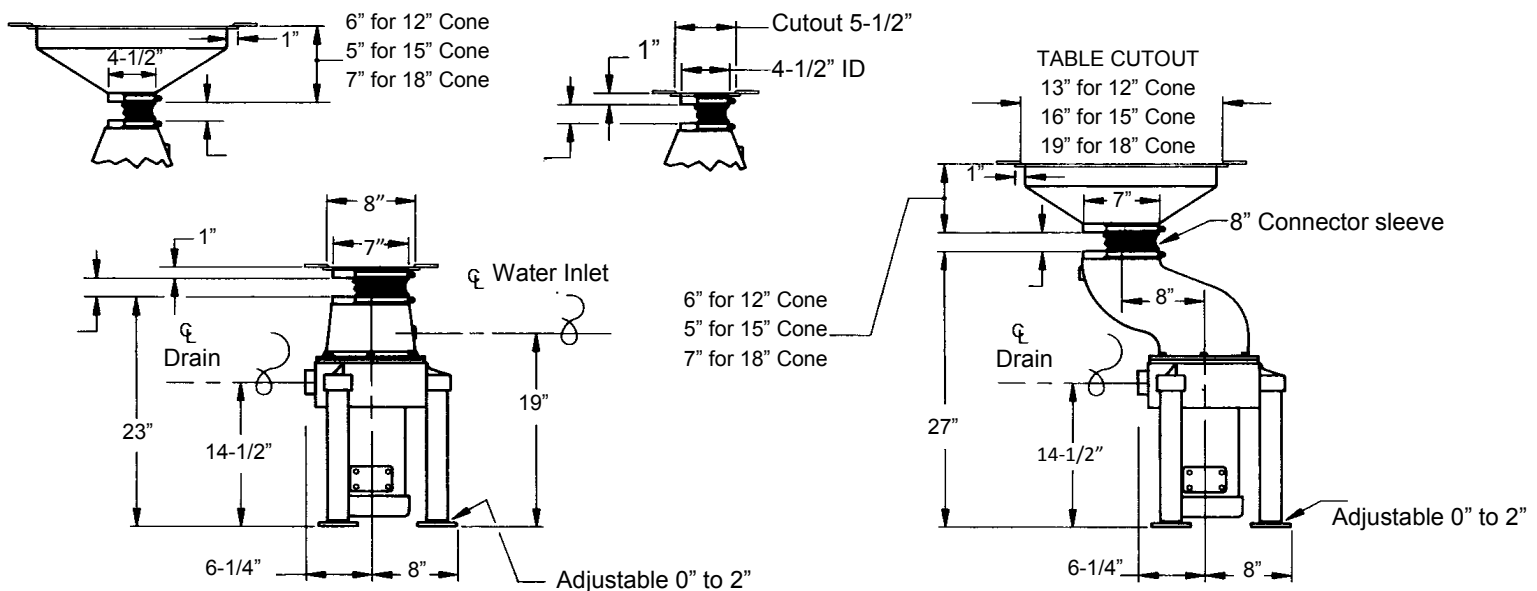
See Typical Installation Diagram.

## ELECTRICAL

Follow guidelines set forth by NEC standards. Disposer branch circuit shall be sized and fused (circuit breakers) as required by motor. The disposer must be connected to a grounded, metal, permanent wiring system; or a disposer-grounding conductor must be run with the circuit conductors and connected to the disposer-grounding terminal or lead on disposer. All connections, junction boxes and conduits must be watertight (NEMA 4).

**TESTING** - See Startup and Run Section

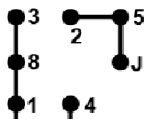
## INSTALLATION DIAGRAM



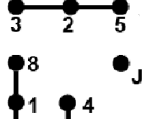
## MOTOR WIRING DIAGRAM

### SINGLE PHASE W/ THERMAL

#### LOW VOLTAGE

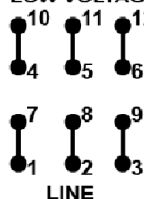


#### HIGH VOLTAGE

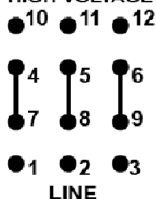


### THREE PHASE W/ THERMAL

#### LOW VOLTAGE



#### HIGH VOLTAGE



## VOLTAGE-AMPERAGE TABLE

HP	THREE PHASE		THREE PHASE		SINGLE PHASE		SINGLE PHASE	
	Volts/60Hz	Amps	Volts/50Hz	Amps	Volts/60Hz	Amps	Volts/50Hz	Amps
1.5	208	4.4	208	4.8	115	16	110	15
	230	4.2			230	8	220	7.5
	460	2.1	415	2.4				
2	208	6	208	6.3	115	17.6	110	19
	230	5.8			230	8.8	220	9.5
	460	2.9	415	3.3				
3	208	9.9	208	10.4	N/A		N/A	
	230	9						
	460	4.5	415	5.2				
5	208	14.8	N/A		N/A		N/A	
	230	14						
	460	7						

# "B" SERIES - INSTALLATION & CONNECTION

**NOTE:** PLUMBING AND ELECTRICAL CONNECTIONS SHALL BE MADE IN COMPLIANCE WITH APPLICABLE LOCAL CONSTRUCTION CODES.

## PLUMBING

**Inlet:** Cold water supply to disposer shall be 1/2" service line with a minimum of 20lbs. Flow pressure, piped as close to disposer as possible. All disposer and control connections shall be 1/2" pipe sizes.

**Sewer Outlet:** 2" waste line should have trap with conveniently located clean out. *Do not connect through a grease trap!* Avoid bends, elbows, tees, etc., to reduce the possibility of plumbing stoppages. A globe valve, used for metering flow, must be installed between the solenoid valve and the cone or sink. Water swirl inlet valves should be located nearest operator.

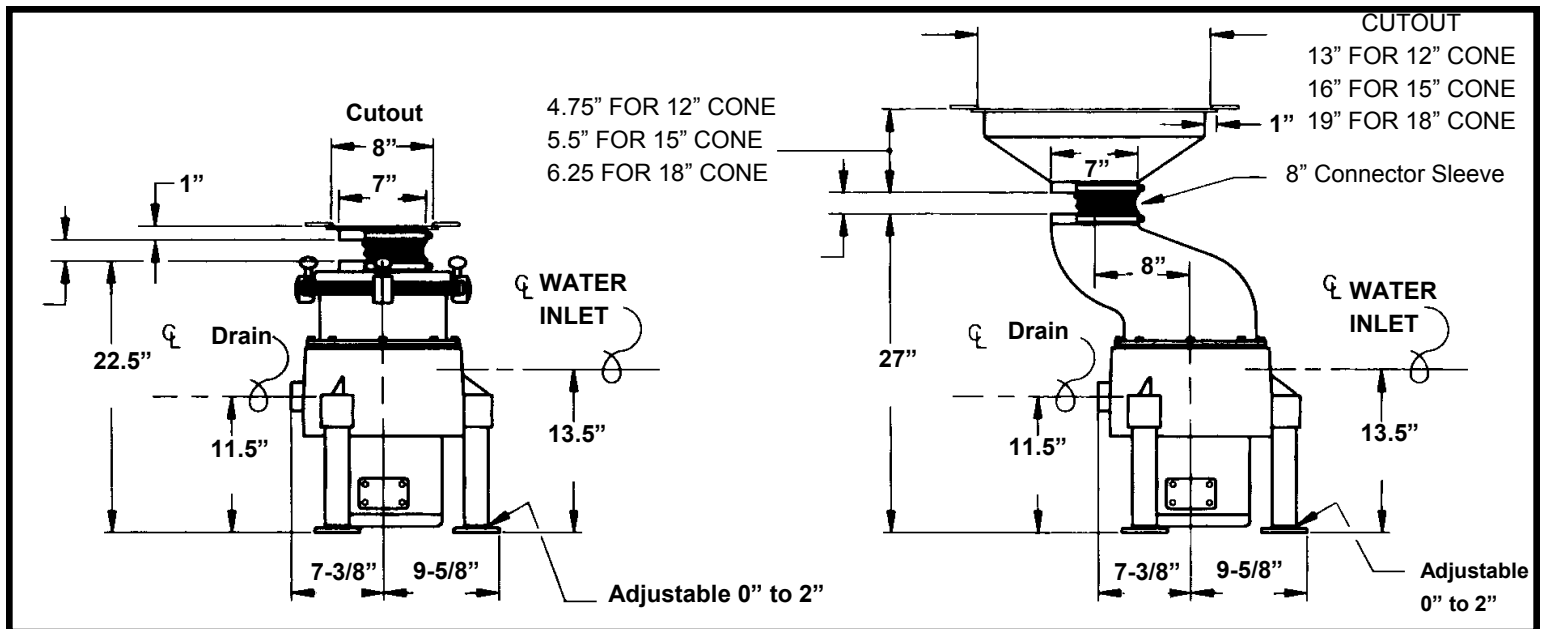
See Typical Installation Diagram.

## ELECTRICAL

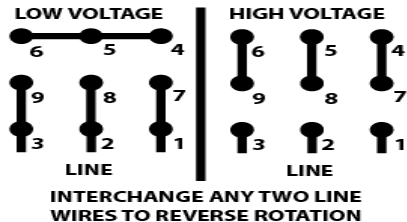
Follow guidelines set forth by NEC standards. Disposer branch circuit shall be sized and fused (circuit breakers) as required by motor. The disposer must be connected to a grounded, metal, permanent wiring system; or a disposer-grounding conductor must be run with the circuit conductors and connected to the disposer-grounding terminal or lead on disposer. All connections, junction boxes and conduits must be watertight (NEMA 4).

**TESTING** - See Startup and Run Section

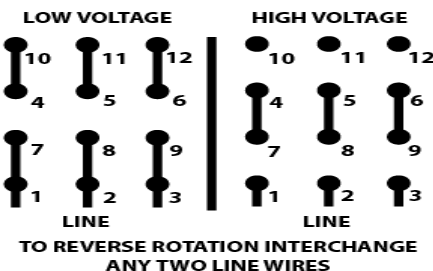
## INSTALLATION DIAGRAM



## THREE PHASE W/O THERMAL



## THREE PHASE W/ THERMAL



## VOLTAGE-AMPERAGE TABLE

HP	THREE PHASE		THREE PHASE	
	Volts/60Hz	Amps	Volts/50Hz	Amps
3	208	9.5	208	10.6
	230	9.2		
	460	4.6	415	5.3
5	208	14.5	208	19.4
	230	14		
	460	7.5	415	9.7
7.5	208	23		
	230	22	N/A	N/A
	460	11		
10	208	30		
	230	28	N/A	N/A
	460	14		

# "C" SERIES - INSTALLATION & CONNECTION

**NOTE:** PLUMBING AND ELECTRICAL CONNECTIONS SHALL BE MADE IN COMPLIANCE WITH APPLICABLE LOCAL CONSTRUCTION CODES.

## PLUMBING

**Inlet:** Cold water supply to disposer shall be 1/2" service line with a minimum of 20lbs. Flow pressure, piped as close to disposer as possible. All disposer and control connections shall be 1/2" pipe sizes.

**Sewer Outlet:** 2" waste line should have trap with conveniently located clean out. *Do not connect through a grease trap!* Avoid bends, elbows, tees, etc., to reduce the possibility of plumbing stoppages. A globe valve, used for metering flow, must be installed between the solenoid valve and the cone or sink. Water swirl inlet valves should be located nearest operator.

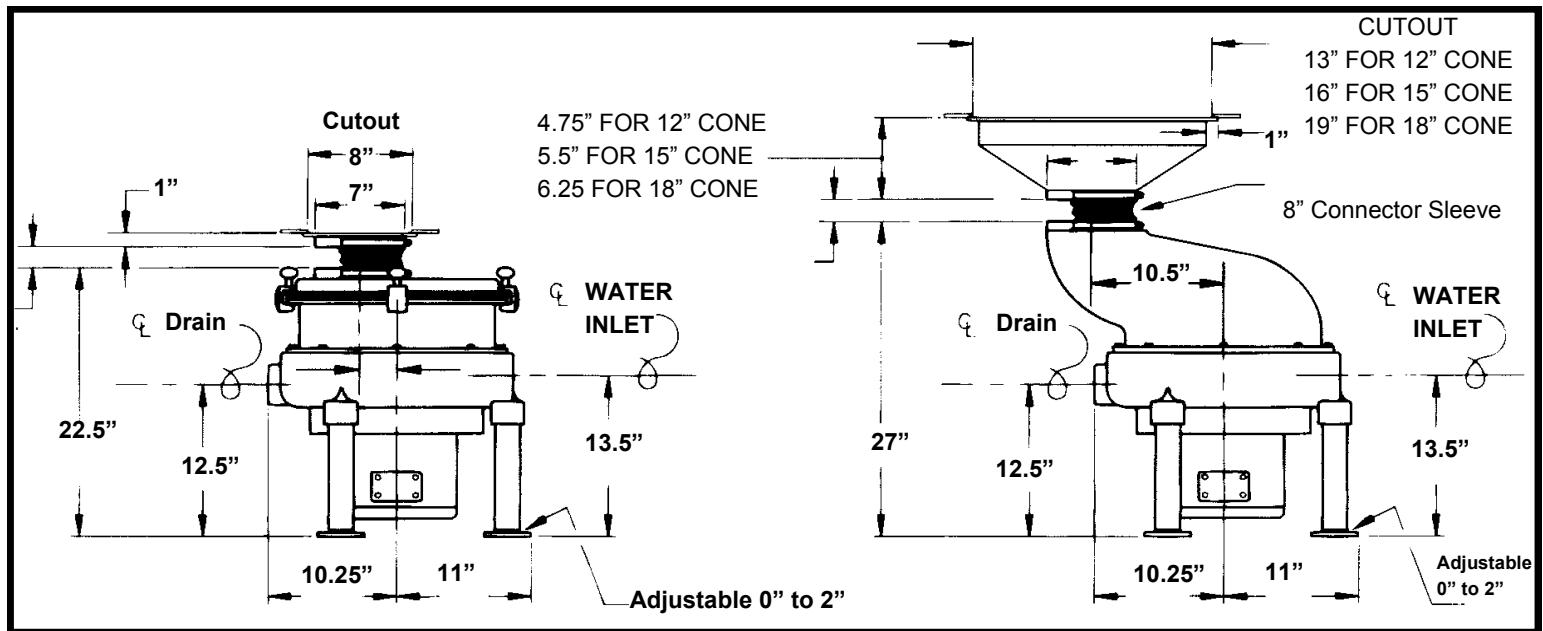
See Typical Installation Diagram.

## ELECTRICAL

Follow guidelines set forth by NEC standards. Disposer branch circuit shall be sized and fused (circuit breakers) as required by motor. The disposer must be connected to a grounded, metal, permanent wiring system; or a disposer-grounding conductor must be run with the circuit conductors and connected to the disposer-grounding terminal or lead on disposer. All connections, junction boxes and conduits must be watertight (NEMA 4).

**TESTING** - See Startup and Run Section

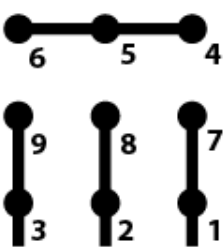
INSTALLATION DIAGRAM



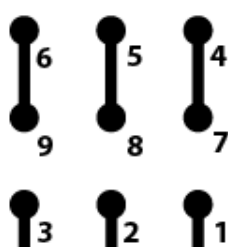
VOLTAGE-AMPERAGE TABLE

## THREE PHASE W/O THERMAL

### LOW VOLTAGE



### HIGH VOLTAGE

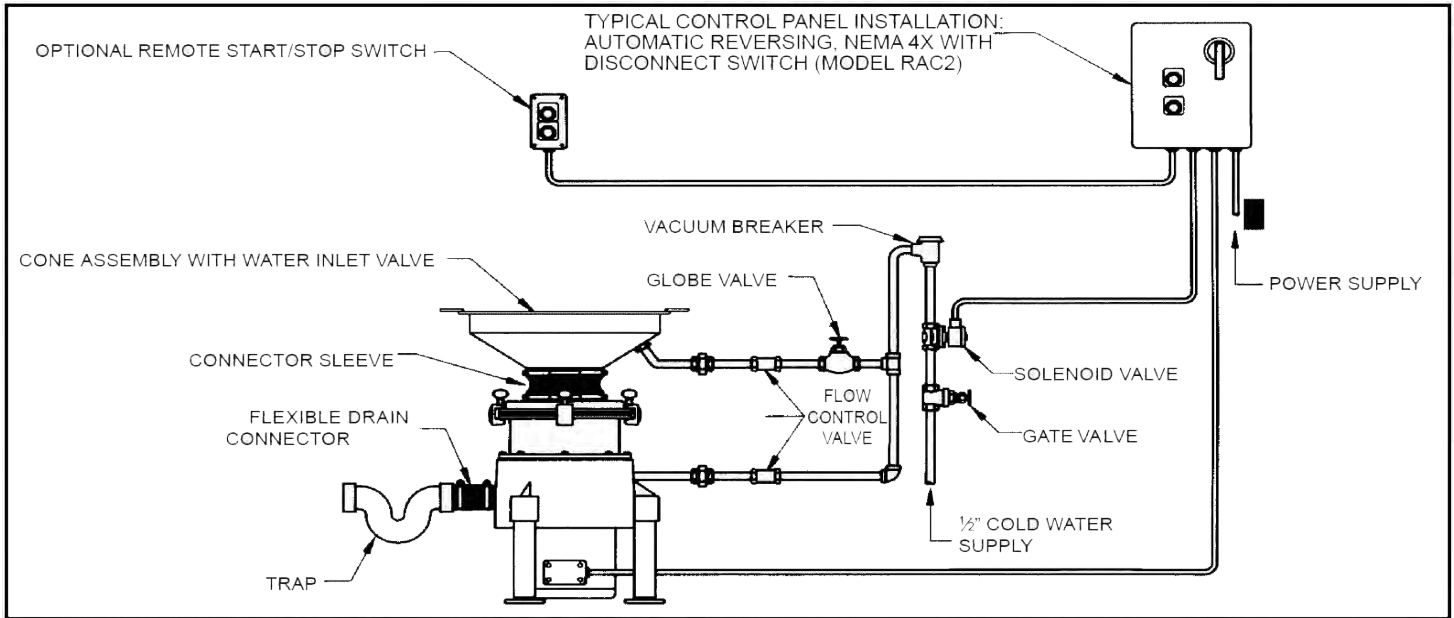


INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION

HP	THREE PHASE	
	Volts/60Hz	Amps
5	208	15.2
	230	13.6
	460	6.8
7.5	208	23
	230	22
	460	11
10	208	33
	230	30
	460	15



## TYPICAL INSTALLATION



## STARTUP AND RUN CHECK

1. Check that vinyl silver trap scrapping ring is fully seated.
2. Check that all connections are secure.
3. Check that the disposer is secured to the floor.
4. Open terminal wiring box on motor; pull out and separate motor leads to permit amperage reading on each leg. Leave all connections and insulation in place.
5. Clamp ammeter over input feed lead.
6. Turn on disposer.
7. Check for leaks, water flow, excessive noise or vibration, and regulate water flow if required.
8. Take ampere readings on each leg and verify against factory-checked motor test results.

**NOTE:** Before checking rotation reversal, be sure disposer is empty. Wear safety goggles or glasses. BE SURE POWER SWITCH IS OFF SHOULD ADJUSTMENTS ON DISPOSER BE NECESSARY. NEVER REACH INTO DISPOSER WHEN DISPOSER IS RUNNING.

9. If disposer is connected to a reversing control, whether automatic or manual, check reversing.
10. If disposer is connected to a manual reversing drum switch or contactor, START motor in forward position and note rotation through top opening as motor coasts to a stop. RESTART motor in reverse position. Verify that the disposer restarted in opposite direction.
11. If disposer is connected to a control center with automatic reversing (Model RAC1/RAC2), verify if disposer reverses.

**NOTE:** Motor must be stopped or 30 seconds must have elapsed before pushing START; otherwise, motor will not reverse. This is a safety cycle feature. Should START be pressed prior to elapsed time, motor will run in same direction. Direction Test: A.) Press Start-Disposer Run. B.) Press Stop (note coast down direction). C.) Wait 30 sec. after motor stops. D.) Press Start-disposer should run in opposite direction.

12. If disposer is wired with a RAC1 or RAC2, there are 3 trim-pots on the Control Module inside the controller that adjust operation (to enable or disable clean-out cycles). For more information about this Eco-Mizer: Electricity and Water Saver, please see the instructions for Adjustable Timer with Auto Shut-Down spec sheet in the control box. This timer is used to control the shut-down sequence of industrial garbage disposal units. When either the stop input is activated or the Auto Shut-Down timer times out, the two stage shut-down sequence begins. The first stage is Clean Out, where *both* the motor and water flow continue for up to 2 minutes. The second stage is a positive flush, where the motor is stopped, but the water flow is continued, also for up to 2 minutes. The disposal may be restarted at any time, but if the motor has been off for more than 30 seconds, its direction will be reversed.
13. In all shutdown phases, be sure water is being shut off by the closing of the solenoid valve.
14. Reinsert all wiring, close all covers and shut all doors that were open during the run check.

# OPERATION

1. Check that the disposer is empty and clean from previous use.
2. Check that the vinyl trap scrapping ring is in place and properly seated over throat opening in cone or sink.
3. Turn disposer ON. Note that the water is flowing into top cone or into sink via the water swirl fitting.



**WARNING:** Never feed waste by hand past the vinyl silver trap ring or reach inside a running disposer.

**NOTE:** Do not feed metal, wood, cloth, rubber, corn husks, plastics, plastic sheets or bags, Styrofoam, or other foreign matter. A periodic clean out of such material from the disposer is advisable.

4. Proceed with dish cleanup, feeding waste gradually. DO NOT pack waste into the disposer waste chamber.
5. After each use, if disposer is wired with manual controls, allow disposer to run (motor and water) for at least 2 minutes. This clean-out cycle will empty the disposer and flush the waste line, preventing potential drain stoppage.
6. Should the motor stop during use cycle, SHUT POWER OFF IMMEDIATELY, via ON-OFF switch. If disposer is connected to a RAC2 Control Center, shut OFF power at the black emergency disconnect handle; on manual switches, turn branch circuit disconnect to OFF.
  - A. Remove vinyl silver scrapping ring and check waste chamber through top opening and remove foreign objects that may have caused stoppage.
  - B. Check to see if rotor turns freely.
  - C. If rotor turns freely, replace vinyl silver saver scrapping ring and turn disposer ON.If disposer fails to start and run, an obstruction may still be binding the rotor.
  - A. Turn disposer OFF. Using a wooden bar or wooden handle, pry and push against the impact bars on the rotor to break it free; then remove the object.
  - B. Turn disposer ON and if motor fails to start, the thermal protector, either in the motor or in the controls may have tripped.
  - C. Push reset button on thermal protector.If disposer still fails to start, check for blown fuses or tripped circuit breakers in the branch circuit (especially on three-phase installations) to be sure that all power legs are feeding motor.

# TROUBLESHOOTING

## DISPOSER DOES NOT START WHEN NEW

1. Manual reset button or thermal protector is tripped.
2. Fuses or circuit breaker on branch circuit feed line has tripped.
3. Electrical connection on motor, in panel or feed lines not tight.
4. Heaters have not been installed in starter, if starter is used in circuit.

## DISPOSER DOES NOT START AFTER STANDING UNUSED FOR A PERIOD OF TIME

1. Clean cycle too short. When the disposer is stopped too early, the remaining water slowly drains out carrying the shattered waste particles into the very close clearance opening between the sizing ring and rotor, where it hardens and solidifies acting as a binding agent between the two parts. The motor at startup is unable to overcome the dried blockage.

## DISPOSER STALLS WHEN IN OPERATION

1. Large quantities of foreign material (rags, wood pieces, rubber bands, strings, pieces from floor mops, cellophane and polyethylene) which will not disintegrate and will cause the motor to overheat and the thermal protector to trip.
2. Not enough water volume flow (GPM) causing thermal protector to trip.
3. Thermal protectors (heaters) sized too small, causing nuisance tripping.

## TROUBLESHOOTING (continued)

### DISPOSER OPERATES BUT DISINTEGRATION AND DISCHARGE IS SLOW

1. Not enough water volume flow (GPM).
2. Worn shattering mechanism (impact bars, sizing ring, rotor).
3. Large amounts of foreign material in waste chamber.

### DISPOSER MOVES WHEN STARTED

1. Large amounts of unprocessed waste in chamber.
2. Rotor unbalanced due to loose impact bar.
3. Disposer not anchored to floor.

### DRAIN LINE CLOGS

1. Worn shattering mechanism (impact bars, sizing ring, rotor) permitting large waste particles to flow through.
2. Large amount of paper and non-food particles being fed into disposer.
3. Not enough water volume flow (GPM).

### DISPOSER DOES NOT TURN OFF (AFTER CLEAN OUT CYCLE, IF WIRED WITH RAC1 or RAC2)

1. Stop button in switch or control is defective.
2. Timer in control center is defective.

### DISPOSER DOES NOT REVERSE

1. Contacts in manual reversing switch burned.
2. Contactor in auto reversing control center defective.
3. Reversing circuit in auto reversing control center defective.
4. Time lapse safety circuit in auto reversing control center defective.
5. Motor not wired as indicated in wiring diagram.

### SEVERE VIBRATION DURING OPERATION

1. Loose or broken impact bars.
2. Unprocessed waste lodged in rotor.
3. Severe rotor damage from metal objects being fed into disposer.

### MOTOR RUNS BUT NO WATER FLOW

1. Solenoid valve improperly wired.
2. Defective solenoid valve coil.
3. No water flow in main feed line.

### MOTOR NOT TURNING AT PROPER RPM

1. Low voltage on incoming feed line.
2. On Three-Phase hookups, no voltage on one feeder line (leg).
3. Motor not wired as indicated in wiring diagram (low to high, high to low volts).

### LOUD NOISE FROM MOTOR AREA

1. Upper or lower or both bearings worn
2. Leakage of disposer seals.

### SMOKE OR BURNING ODOR FROM MOTOR

1. Incoming voltage not correct.
2. On Three-Phase hookups, no voltage on one feeder line (leg).
3. Water leaking into motor through faulty seals.
4. Disposer being overloaded, especially with foreign material.
5. Improper motor connections.

### MOTOR BURNS OUT

1. Internal winding short.
2. Water leaking in motor through faulty seals.
3. Disposer being overloaded.
4. Incoming voltage incorrect.
5. Thermal protectors (heaters) not tripping, sized too large.

### WATER SPLASHING UP FROM DISPOSER

1. Building water pressure too high.
2. Globe valve not installed or needs adjustment.

### WATER FLOWS BUT MOTOR DOES NOT RUN

1. Thermal protectors (heaters) not installed in starter.
2. Motor not wired as indicated on wiring diagram.
3. Control not wired correctly

### WATER LEAKING FROM BASE OF DISPOSER

1. Defective seals.
2. Hole worn in base.
3. Motor mounting screws not sealed on "A" series units.
4. Leaking plumbing connections or leaking sink mounts.

# MAINTENANCE

Waste disposer troubles usually involve plumbing. A preventative maintenance program is advisable to keep waste line stoppages and disposer repairs at a minimum. Any sewer problem occurring shortly after your disposer has begun operation cannot be caused by the new machine. It will be the result of connecting to either inadequate waste line, or to one that has not been properly cleared before use. On the other hand, if waste line clogging occurs after the disposer has been running trouble-free for a year or more, this indicates a need for servicing.

The slurry leaving a new disposer contains no discernible solids, so there is nothing to clog the waste line. In regular use, however, wearing of the working parts is to be expected. As the gradual wear occurs, the solid particles passing through the wider gaps in the shatter mechanism will grow increasingly larger, until waste line stoppage may result.

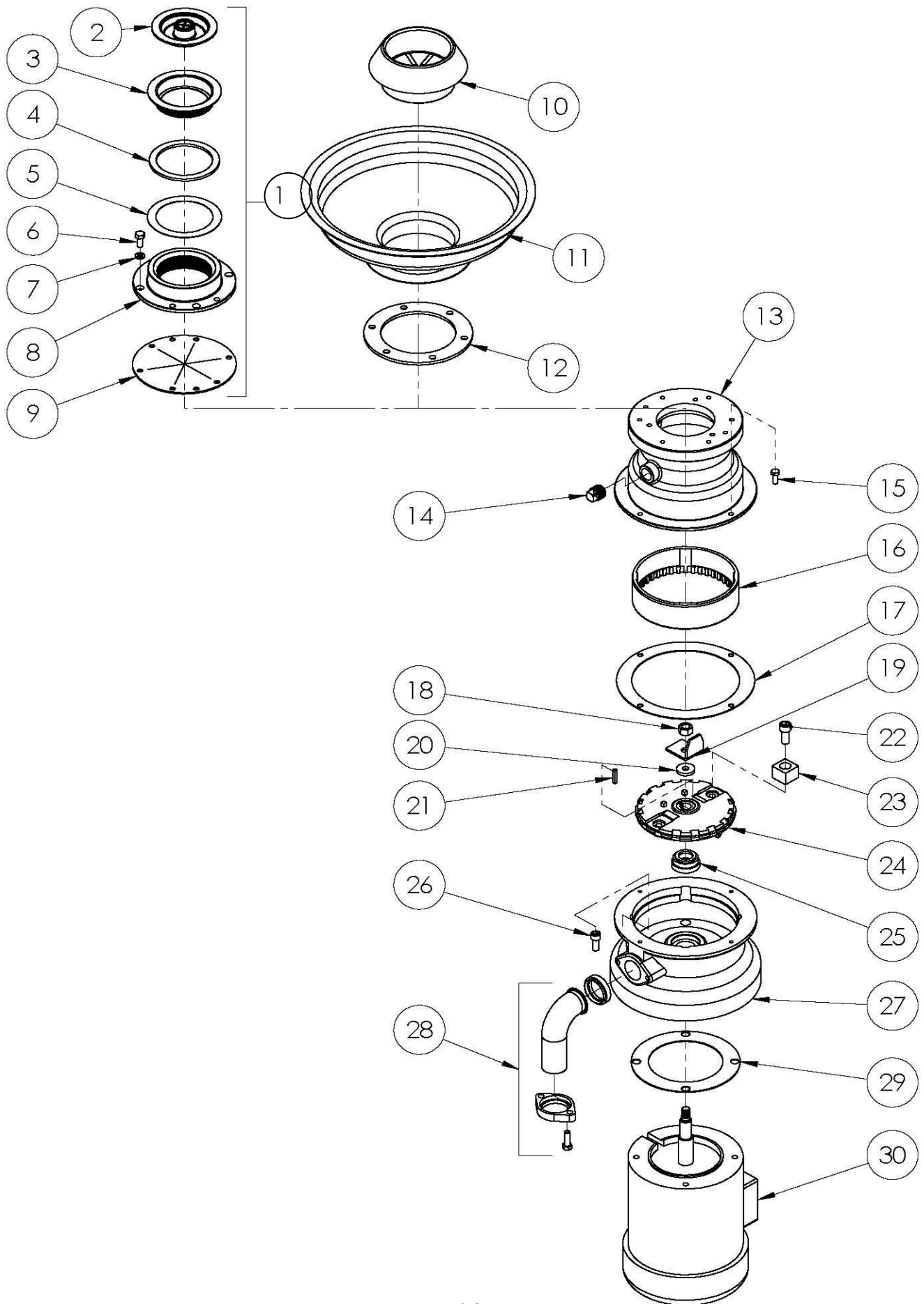
## MONTHLY WEAR CHECK

**NOTE:** The following should be performed every two weeks if waste is of a highly abrasive consistency.

1. Shut OFF branch circuit power, or emergency disconnect on control panel when disposer has completed its clean out cycle.
2. Loosen stainless steel clamps on neoprene connector sleeve.
3. Twist sleeve and remove.
4. On "B" and "C" Series, loosen Quick-Release body clamps and lift off aluminum lid.
5. Remove any foreign objects (rubber bands, metal, wood, plastics, etc.) from the waste chamber.
6. Check free movement of rotor.
7. The two points of probable wear are the leading edges of the impact bars and the spacing between the outer-edges of the rotor and the inner diameter of the sizing ring teeth.

# NOTES:

# F SERIES REPLACEMENT PARTS DIAGRAM



# F SERIES REPLACEMENT PARTS LIST

KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH.

KEY NO. PART NO. NAME: DESCRIPTION

1	30-H-RSA	RSA Head Assy (includes 2-9)	1
2	06-H-8	Sink Stopper:	1
3	27-H-15	Sink Mount: Threaded	1
4	07-H-19	Gasket: RSA Rubber	1
5	07-H-20	Gasket: RSA Fiber	1
6	08-H-21	Screw, Hxhd 5/16-18 x 3/4	6
7	08-HA-311	Washer: Lock Split 5/16	6
8	51-H-17	RSA Head	1
9	07-H-18	Gasket: Splash Guard	1
10	06-HA-ST4	Silver Saver: 4 1/2"	1
11		Cone (See Catalog)	
12	07-H-34	Gasket: Cone	1
13	00-289006	Housing: Upper Short	1
14	FP-066-02	Pipe Plug: 1/2"	1
15	SC-036-13	Screw: Hxhd. 1/4-20 x 3/4	4
16	00-201227	Ring: Shredder	1
17	G-6814	Gasket: Waste	1
18	NS-031-39	Stop Nut: 1/2-20 "Elastic"	1
19	00-201235	Cutter: Hi-Bulk	1
20	00-272003	Sealing Washer	1
21	00-203619-00001	Key: Shaft	1
22	00-202556-00001	Screw: SKHDCAP	2
23	00-201223-00003	Cutter: Flywheel 1/2	2
	00-201223-00001	Cutter: Flywheel 3/4	2
	00-201223-00004	Cutter: Flywheel 1-1/4	2
24	00-201250-00001	Flywheel	1
25	07-HA-83	Cartridge Seal	1
	04-HA-263	Install. Tool: FA Cartridge Seal	1
26	08-5-24.	Screw: Skhd 3/8-16 x3/4 Nyloc SS	4
27	51-H-2014	Housing: Lower	1
28	HD-SFK	Kit: Spout & Flange	1
29	07-HA-5	Gasket: Motor/ Base	1

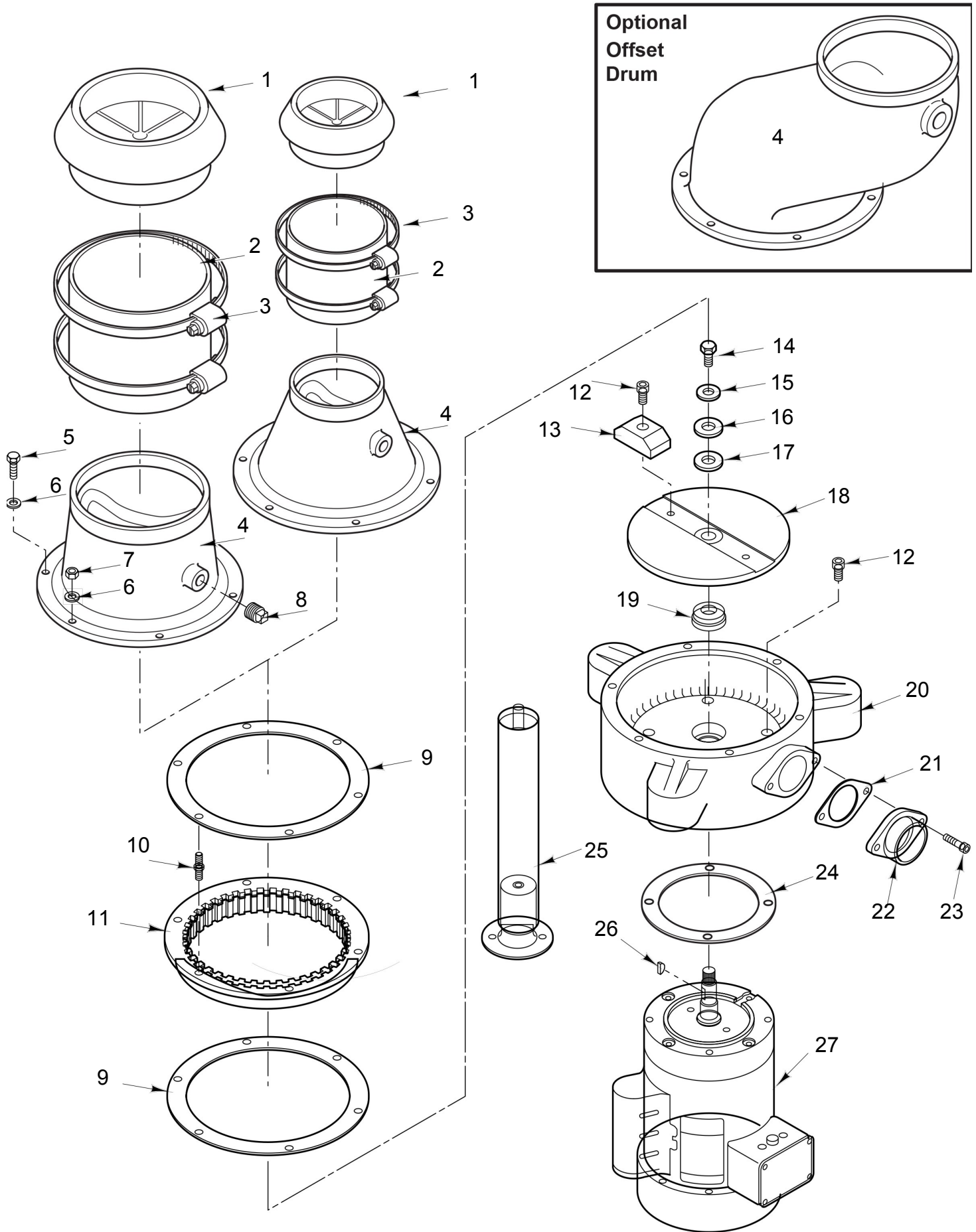
## MOTOR OPTIONS

30	F-001235060	Motor: 1/2HP/3PH/50 & 60HZ	1
	F-001215060	Motor: 1/2HP/1PH/50 & 60HZ	1
	F-003435060	Motor: 3/4HP/3PH/50 & 60HZ	1
	F-003415060	Motor: 3/4HP/1PH/50 & 60HZ	1
	F-011435060	Motor: 1-1/4HP/3PH/50 & 60HZ	1
	F-011415060	Motor: 1-1/4HP/1PH/50 & 60HZ	1

## NOT SHOWN

00-289004-00001	Upper Housing & Shredder Ring Assy. (Incl. 6,7,13,14,16)
40-HA-507	Motor Seal Kit (Incl. 25 & 29)

# A SERIES REPLACEMENT PARTS DIAGRAM





# A SERIES REPLACEMENT PARTS DIAGRAM

KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH.

1	06-HA-ST4	Silver Saver: 4 1½"	1
	06-ABC-ST7	Silver Saver: 7"	1
2	06-A-818	Connector Sleeve: 4 1½" dia. x 8"	1
	06-A-414	Connector Sleeve: 4 1½" dia. x 4"	1
	06-ABC-834	Connector Sleeve: 7" dia. x 8"	1
	06-ABC-434	Connector Sleeve: 7" dia. x 4"	1
3	08-A-19	Clamp: Connector Sleeve 4 1½"	2
	08-ABC-33	Clamp: Connector Sleeve 7"	2
4	51-A-11AS	Drum: 4 1½" Throat	1
	51-A-11S	Drum: 7" Throat	1
	51-A-81	Offset Drum: 7" Throat	1
5	08-HA-22	Screw: Hxhd 5/16-18 x 1, SS	4
6	08-HA-311	Washer: Lock Split 5/16	6
7	08-HA-17	Nut: Hex 5/16-18	2
8	10-5-27.	Pipe Plug: 1½"	1
9	07-A-10	Gasket: Sizing Ring	2
10	08-HA-16	Centering Stud	2
11	30-A-9	Sizing Ring	1
12	08-5-24.	Screw: Skhd 3/8-16 x3/4 Nyloc SS	6
13	30-A-27	Impact Bar	2
14	08-H-21	Screw: Hxhd 5/16-18 x 3/4 SS Nyloc	1
15	08-HA-311	Washer: Lock Split 5/16	1
16	09-HA-2	Coverplate	1
17	07-HA-3	Gasket: Coverplate	1
18	51-A-1	Rotor	1
	30-A-1	Rotor Assy: w/Impact Bars (Includes 12, 13 & 18)	1
19	07-HA-83	Cartridge Seal	1
	04-HA-263	Install. Tool: HA Cartridge Seal	1
20	51-A-1141	Base	1
	30-A-1141	Base Assy. Includes Seal Includes Key No. 19, 20, 21, 22, 23	1
21	A-161	Gasket: Discharge Flange	1
22	A-159	Discharge Flange	1
23	A-4120	Screw: 7/16-20x1 S.H.C.S.	2
24	07-HA-5	Gasket: Motor/Base	1
25	09-A-928	Leg Assy w/Foot: 2" X 13.5, SS	3
26	02-HA-100	Key	1

KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH.

## MOTOR OPTIONS

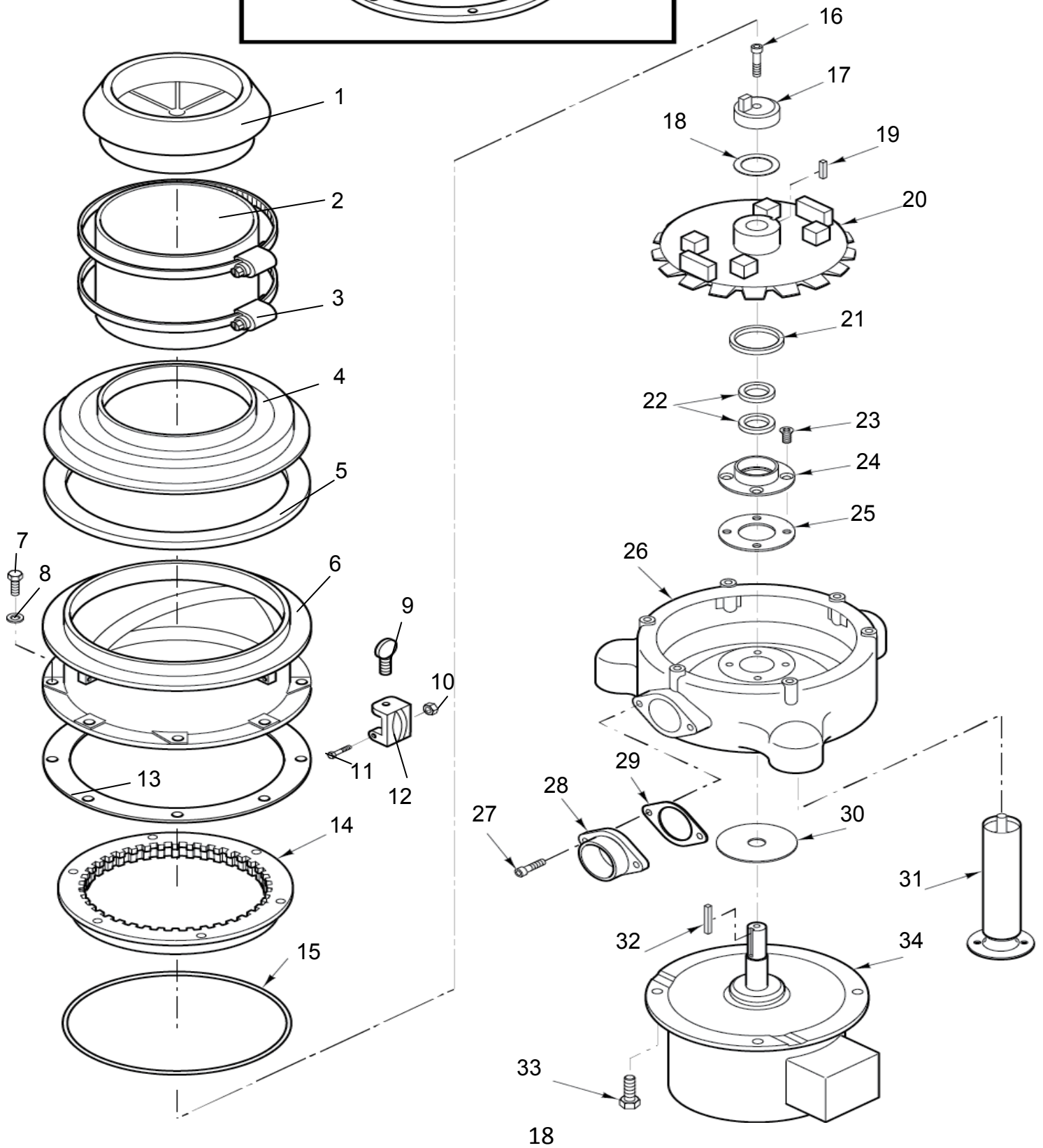
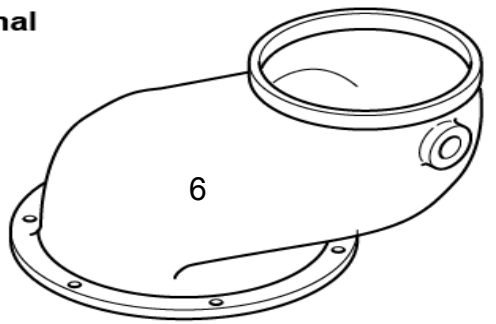
27	D-011235060	Motor: 1.5HP/3PH/50 & 60HZ	1
	D-0112160	Motor: 1.5HP/1PH/60HZ	1
	D-0112150	Motor: 1.5HP/1PH/50HZ	1
	D-0235060	Motor: 2HP/3PH/50 & 60HZ	1
	D-02160	Motor: 2HP/1PH/60HZ	1
	D-02150	Motor: 2HP/1PH/50HZ	1
	D-0335060	Motor: 3HP/3PH/50 & 60HZ	1
	D-05360	Motor: 5HP/3PH/60HZ	1

## NOT SHOWN

02-5-400	Bearing: #205 UPPER 1.5 & 2HP	1
02-HA-399	Bearing: #203 LOWER 1.5 & 2HP	1
02-BC-401	Bearing: #206 UPPER 3 & 5HP	1
02-5-400	Bearing: #205 LOWER 3 & 5HP	1
RG-1059-22	Drain Coupling	1
40-A-503	A-Complete Renewal Kit	1
40-A-1A	A-Rotor Kit (Includes 12-18)	1
40-A-9A	A-Sizing Ring Kit (Includes 6, 7 & 9-11)	1
40-HA-507	A-Motor Seal Kit (Includes 19 & 24)	1

# B SERIES REPLACEMENT PARTS DIAGRAM

Optional  
Offset  
Drum



# B SERIES REPLACEMENT PARTS LIST

KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH.

1	H-391	Silver Saver Scrapping Ring	1
2	G-554	Neoprene Connector Sleeve	1
3	A-3000	Stainless Steel Clamps	2
4	G-556	Chamber	1
	G-299	Offset Chamber	1
5	A-4100	Screw: Hxhd 3/8-24x1-3/4	6
6	08-BC-312	Washer: Lock Split 5/16	6
7	10-5-27.	Pipe Plug: 1/2"	1
8	D-158	Gasket: Offset Adaptor	1
9	D-162	Offset Adaptor Plate	1
10	D-056	Neoprene Offset Adaptor	1
11	B-500	Gasket: Sizing Ring	1
12	D-1272	Sizing Ring	1
13	B-011	10.5" Buna Sizing Ring "O" Ring	1
14	A-4200	Screw: Center Breaker	1
15	A-1288	Center Breaker (includes item 19)	1
16	A-1022	Gasket: Center Breaker	1
17	A-4201	Roll Pin	1
18	D-1287N	Rotor	1
19	D-1009	Lip Seal "Rotor"	1
20	A-1011	Lip Seal "Motor Shaft"	2
21	A-4202	Screw: Seal Housing	4
22	D-1008	Seal Housing	1
23	A-019	Gasket: Seal Housing	1
24	G-247	Bowl	1
25	A-4120	Screw: 7/16-20x1 S.H.C.S.	2
26	A-159	Discharge Flange	1
27	A-161	Gasket: Discharge Flange	1
28	A-016	Slinger " Motor Shaft"	1
29	09-BC-927	Leg Assy w/Foot: 2" X 9-5/8", SS	3
30	A-1185	Key	1
31	A-2213	Screw: Motor Mounting	4

KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH.

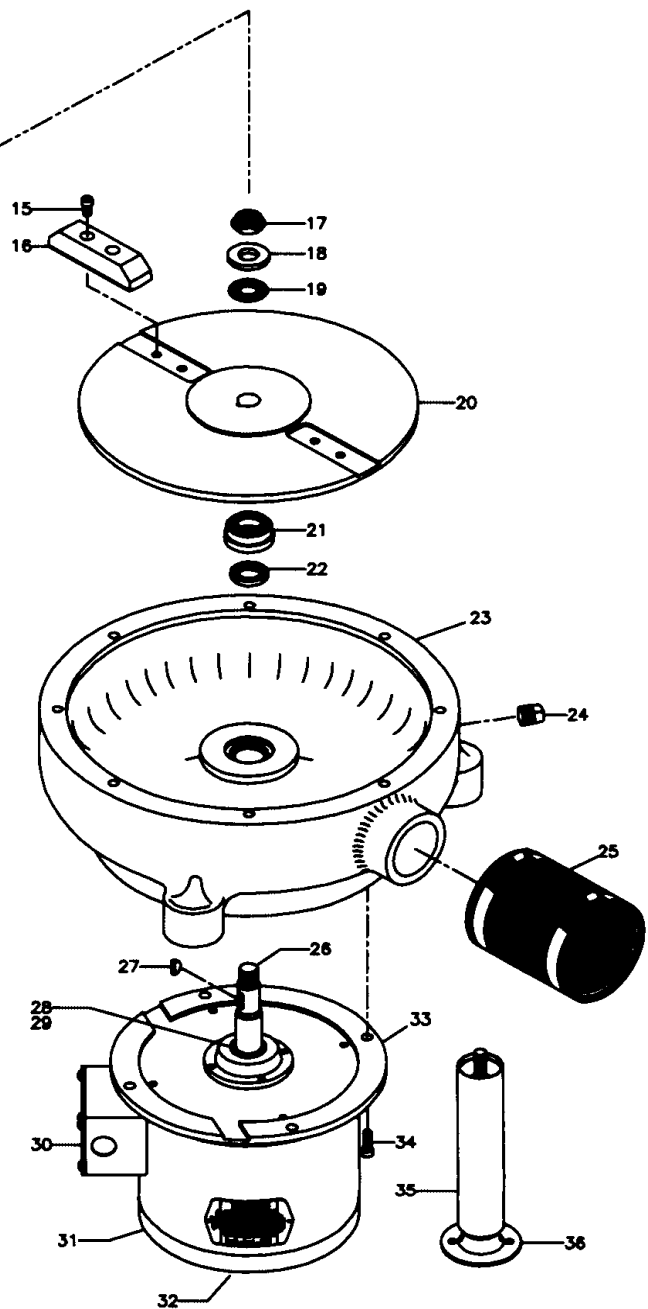
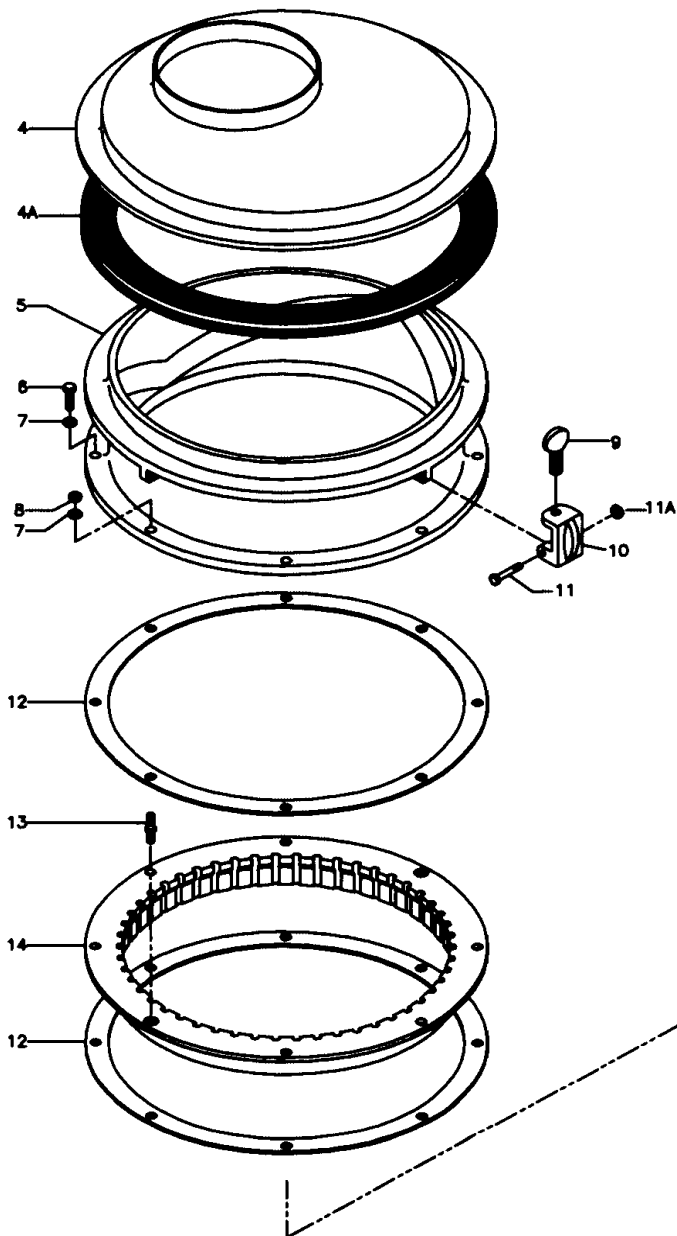
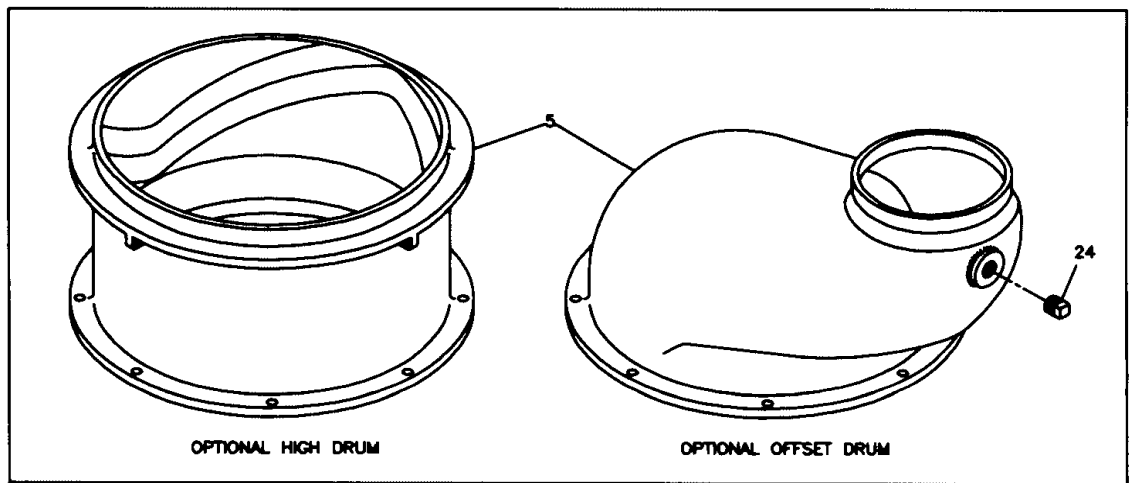
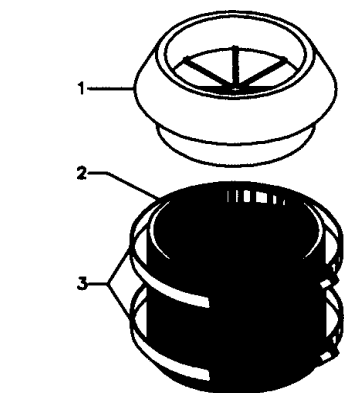
## MOTOR OPTIONS

32	P-0335060	Motor: 3HP/3PH/50 & 60HZ	1
	P-0535060	Motor: 5HP/3PH/50 & 60HZ	1
	02-ABC-723	Motor: 7.5 HP/3PH/60HZ	1
	02-ABC-103	Motor: 10 HP/3PH/60HZ	1

## NOT SHOWN

02-BC-402	Bearing: #207 UPPER	1
02-BC-401	Bearing: #206 LOWER	1
B-SGK-NS	Seal and Gasket Kit (Includes 13,18,21,(2)22,25,29, Grease)	1
B-CRK-NS	Complete Renewal Kit (Includes (6)7,13,14,16,17,20,21,(2)22,25,29,30, Grease)	1

# C SERIES REPLACEMENT PARTS DIAGRAM



# C SERIES REPLACEMENT PARTS LIST

KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH. 2

1	06-ABC-ST7	Silver Saver: 7"	1
2	06-ABC-834	Connector Sleeve: 7" dia. x 8"	1
	06-ABC-434	Connector Sleeve: 7" dia. x 4"	1
3	08-ABC-33	Clamp: Connector Sleeve 7"	2
4	01-C-1136	Lid: 7" Offset Opening	1
4A	07-C-1039	Gasket: Lid	1
5	51-C-1036	Drum	1
	51-C-1080	High Drum	1
	51-C-80	Offset Drum	1
	30-C-1036	Drum Assy (Includes 9-11)	1
6	08-BC-71	Screw: Hxhd 3/8-16 x 1-1/2	6
7	08-BC-312	Washer: Lock Split 3/8"	8
8	08-BC-1029	Nut: Hex 3/8-16	2
9	08-BC-67	Thumb Screw: Lid Clamp	4
10	51-BC-65	Lid Clamp	4
11	08-BC-285	Screw: Hxhd 1/4-20 x 1-3/4, SS	4
11A	08-BC-286	Nut: Hex Nyloc, 1/4-20, SS	4
12	07-C-1032	Gasket: Sizing Ring	2
13	08-BC-1028	Centering Stud	2
14	30-C-1031	Sizing Ring Assy	1
15	08-5-24.	Screw: Skhd 3/8-16 X 3/4, Nyloc SS	4
16	30-C-1006	Impact Bar	2
17	08-6-280	Nut: Hex Jam Nyloc, 7/8-14, SS	1
18	08-6-281	Washer: Flat, HD, 7/8 x .134 thick	1
19	07-BC-99	Gasket: Turntable Mounting	1
20	51-C-1001	Rotor	1
	30-C-1001	Rotor Assy: w/Impact Bars (includes 15, 16 & 20)	1
21	07-BC-84	Cartridge Seal	1
	04-BC-264	Install. Tool: BC Cartridge Seal	1
22	07-B-14	Lip Seal S/N 010191/ RG-1000 forward	1
23	30-C-1143	Base Assy: Includes Seals Installed	1
24	10-5-27.	Pipe Plug: 1/2"	1
25	06-5-851	Drain Coupling: "C" Series	1

26	30-BC-151	Motor: 5 HP, 3PH (Includes 17-19 & 33)	1
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KEY NO. PART NO. NAME: DESCRIPTION/ QTY PER MACH. 2

26	30-BC-161	Motor: 7.5 HP, 3PH (Includes 17-19 & 33)	1
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26	30-BC-171	Motor: 10 HP, 3PH (Includes 17-19 & 33)	1
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27	08-BC-283	Key, Woodruff: #808	1
28	07-BC-903	Lip Seal: 1 7/8" OD Baldor 3-10 HP	1
29	02-BC-403	Bearing: #306	1
32	02-BC-401	Bearing: #206	1
34	08-5-24.	Screw: Skhd 3/8-16 X 3/4, Nyloc SS	4
35	09-BC-927	Leg Assy w/Foot: 2" x 9.6, SS	3

40-C-505	C-Complete Renewal Kit (S/N 060185C01/ RG-1000 forward)	1
40-C-500	C-Complete Renewal Kit (Thru S/N 053185C17)	1
40-C-1001A	C-Rotor Kit (includes 15-20)	1
40-C-1031A	C-Sizing Ring Kit (Includes 7-8 & 12-14)	1
40-C-1012A	C-Motor Seal Kit	1
40-B-502	B-Motor Seal Kit (S/N 010191/ RG-1000 forward)	1

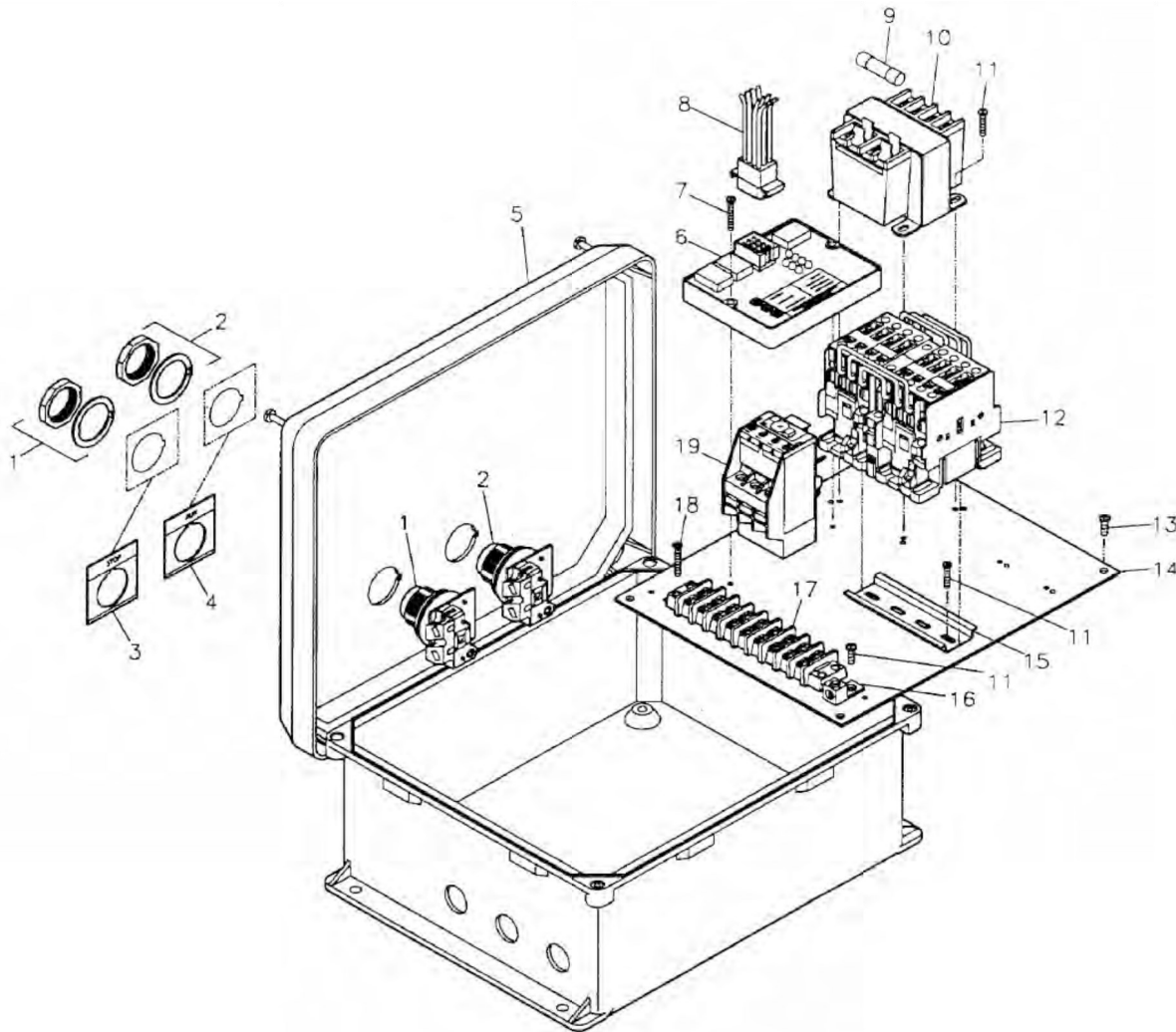
## (NON-STOCK ITEMS)

30, 31, 33, & 36 PLEASE CONTACT OUR FACTORY

# RAC1 REPLACEMENT PARTS LIST

KEY	PART NO.	NAME: DESCRIPTION	KEY	PART NO.	NAME: DESCRIPTION
1	03-5-988	Pushbutton Assy: Red (N.C.)	13	08-5-949	Screw, Php HD, 10-32 x 1/2
2	03-5-987	Pushbutton Assy: Black (N.O.)	14	03-5-983	Back Plate: RAC1 & 2
3	03-5-1023	Legend Plate: "STOP"	15	03-5-1067	Track: Contactor Mounting
4	03-5-1025	Legend Plate: "RUN"	16	03-5-1097	Grounding Lug
5	03-5-1042	Enclosure: Non-Metallic, RAC1 & 2	17	03-5-1002	Terminal Strip: 9 Position
6	03-5-1034	Control Module		03-5-1001	Terminal Strip: 6 Position
7	08-6-258	Screw: Php HD, 8-32 x 1		03-5-1085	Terminal Strip: 13 Position
8	03-5-1000	Wiring Harness: RAC1	18	08-6-251	Screw, Php HD, 8-32 x 3/4
9	03-HAB-940	Fuse: 2.5 Amp	19	03-5-1124	Overload Relay: 3-12 Amp
10	03-HAB-995	Transformer: 24V/115, 230V 50VA		03-5-1125	Overload Relay: 11-16 Amp
	03-HAB-911	Transformer: 24V/208, 230, 460V 50VA		03-5-1126	Overload Relay: 18-25 Amp (Use with 7L)
	03-HAB-912	Transformer: 24V/380V 50VA		03-5-1127	Overload Relay: 22-32 Amp (Use with 10L)
11	08-6-250	Screw: Php HD, 8-32 x 1/2			
12	03-BC-907	Contactor: Rev, 25A, 24V, 50/60HZ			
	03-C-909	Contactor: Rev, 32A, 24V, 50/60HZ (7L & 10L)			

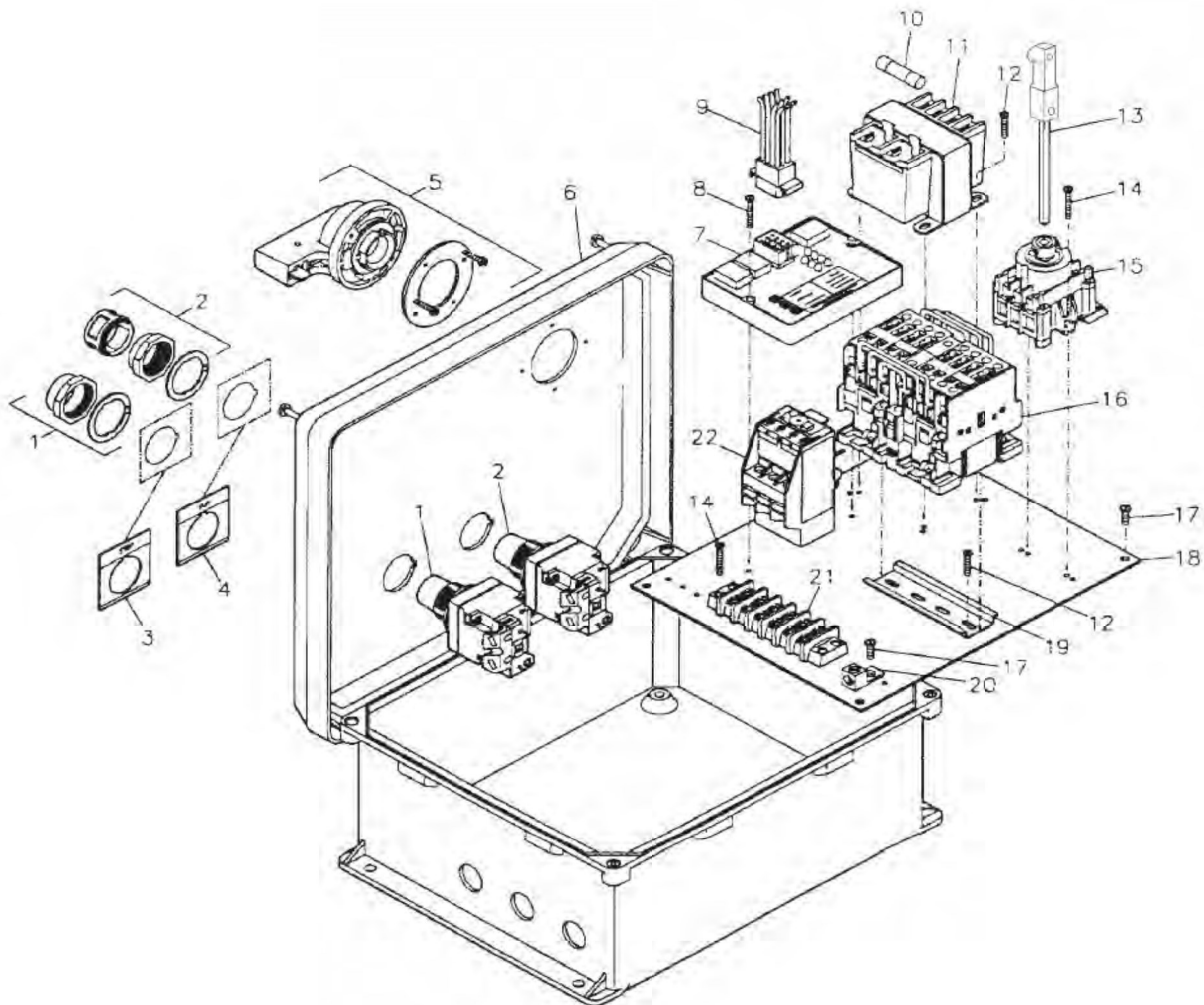
**SPECIFY HP, VOLTAGE, PHASE, MODEL AND SERIAL NUMBER WHEN ORDERING CONTACTORS AND OVERLOAD RELAYS.**



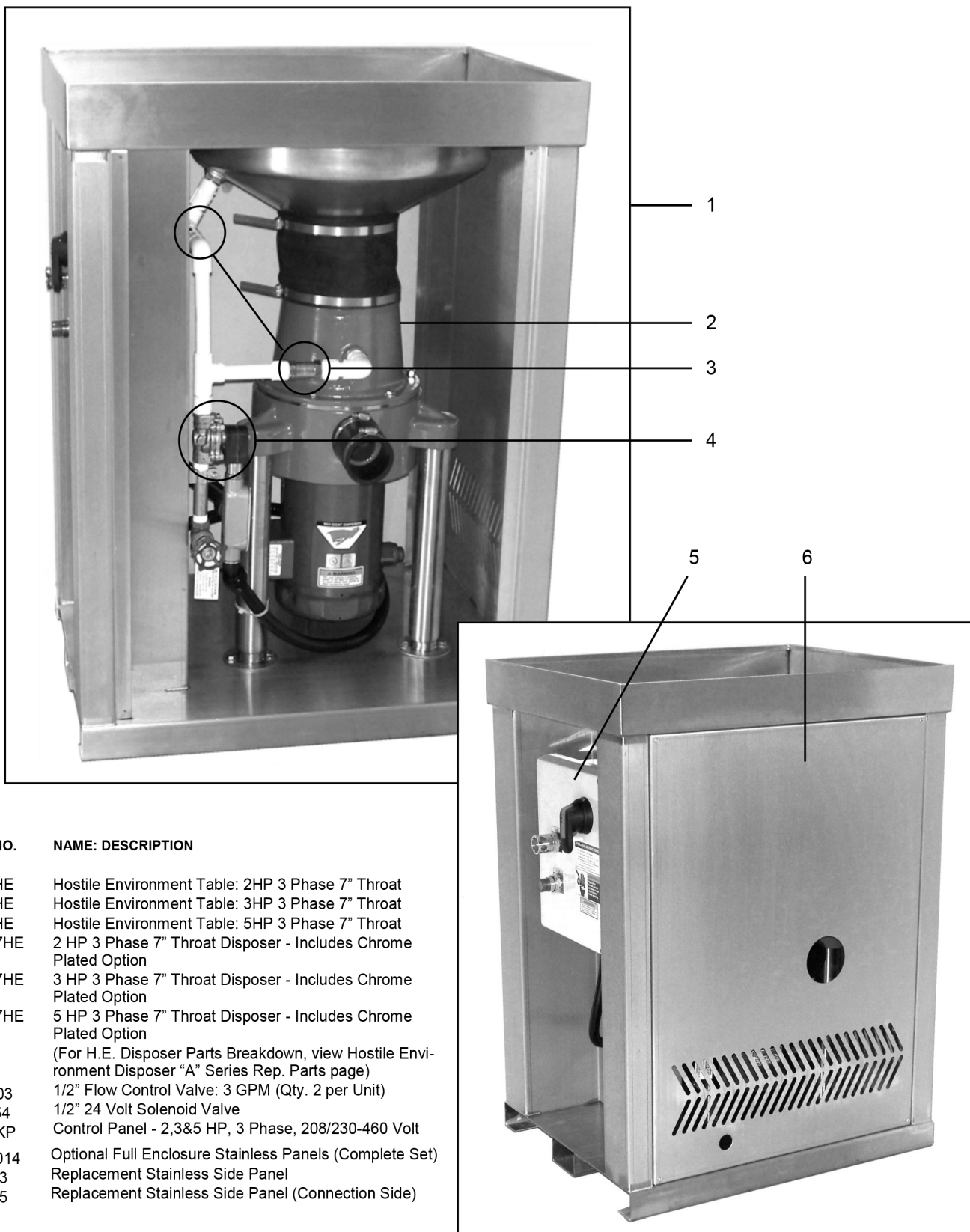
# RAC2 REPLACEMENT PARTS LIST

KEY	PART NO.	NAME: DESCRIPTION	KEY	PART NO.	NAME: DESCRIPTION
1	03-5-1036	Pushbutton Assy: Lighted, Red	17	08-5-949	Screw, Php HD, 10-32 x 1/2
2	03-5-1037	Pushbutton Assy: Lighted, Amber	18	03-5-983	Back Plate: RAC1 & 2
3	03-5-1023	Legend Plate: "STOP"	19	03-5-1067	Track: Contactor Mounting
4	03-5-1025	Legend Plate: "RUN"	20	03-5-1097	Grounding Lug
5	03-5-1049	Handle: Disconnect Switch (w/Shaft)	21	03-5-1002	Terminal Strip: 9 Position
6	03-5-1042	Enclosure: Non Metallic, RAC1 & 2		03-5-1001	Terminal Strip: 6 Position
7	03-5-1034	Control Module		03-5-1085	Terminal Strip: 13 Position
8	08-6-258	Screw: Php HD, 8-32 x 1	22	03-5-1124	Overload Relay: 3-12 Amp
9	03-5-999	Wiring Harness: RAC2			
10	03-HAB-940	Fuse: 2.5 Amp		03-5-1125	Overload Relay: 11-16 Amp
11	03-HAB-995	Transformer: 24V/115, 230V 50VA			
	03-HAB-911	Transformer: 24V/208, 230, 460V 50VA		03-5-1126	Overload Relay: 18-25 Amp
	03-HAB-912	Transformer: 24V/380V 50VA			(Use with 7L)
12	08-6-250	Screw: Php HD, 8-32 x 1/2		03-5-1127	Overload Relay: 22-32 Amp
13	03-5-1120	Shaft: Disconnect Switch, RAC2			(Use with 10L)
14	08-6-251	Screw, Php HD, 8-32 x 3/4			
15	03-5-1041	Disconnect Switch: 40 Amp, RAC2			
16	03-BC-907	Contactor: Rev, 25A, 24V, 50/60HZ			
	03-C-909	Contactor: Rev, 32A, 24V, 50/60HZ			
		(Use w/ 7L & 10L)			

**SPECIFY HP, VOLTAGE, PHASE, MODEL AND SERIAL NUMBER WHEN ORDERING CONTACTORS AND OVERLOAD RELAYS**



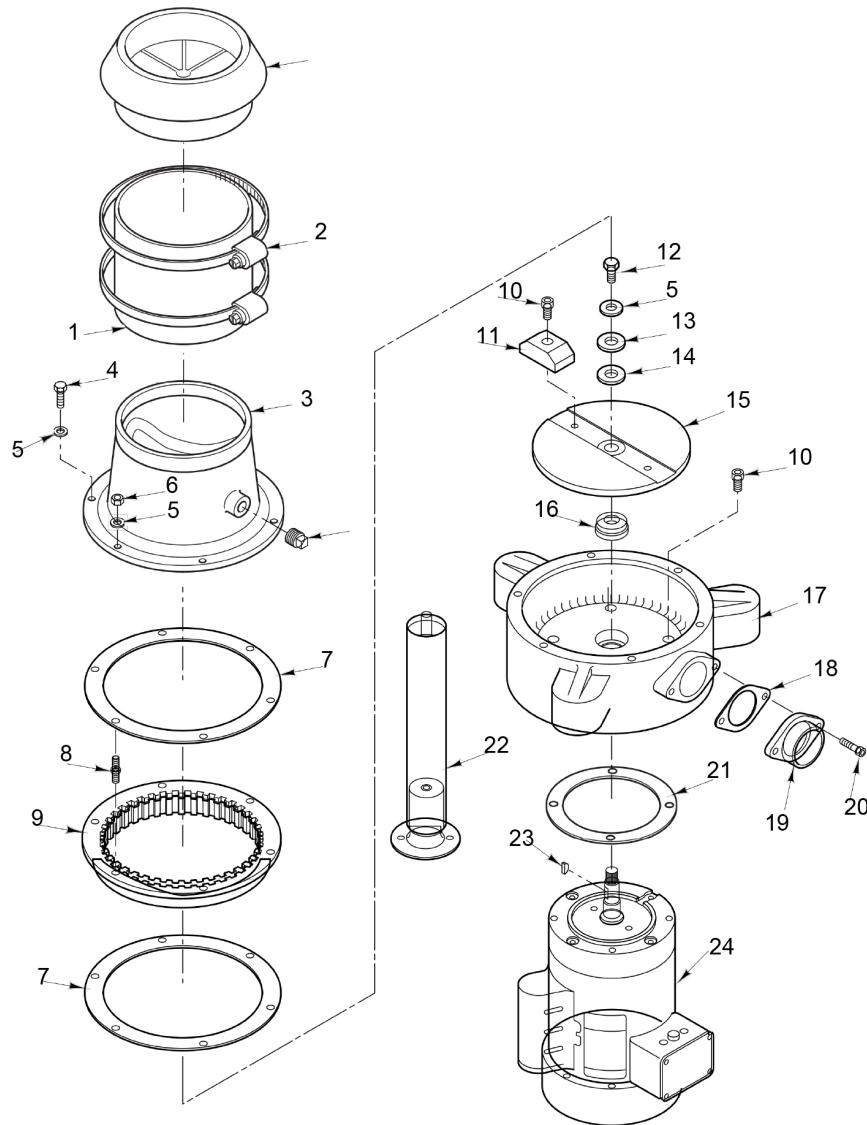
# HOSTILE ENVIRONMENT TABLE REPLACEMENT PARTS



KEY NO.	PART NO.	NAME: DESCRIPTION
1	A2P-THE A3P-THE A5P-THE	Hostile Environment Table: 2HP 3 Phase 7" Throat Hostile Environment Table: 3HP 3 Phase 7" Throat Hostile Environment Table: 5HP 3 Phase 7" Throat
2	A2P-R7HE A3P-R7HE A5P-R7HE	2 HP 3 Phase 7" Throat Disposer - Includes Chrome Plated Option 3 HP 3 Phase 7" Throat Disposer - Includes Chrome Plated Option 5 HP 3 Phase 7" Throat Disposer - Includes Chrome Plated Option (For H.E. Disposer Parts Breakdown, view Hostile Environment Disposer "A" Series Rep. Parts page)
3	10-H-303	1/2" Flow Control Valve: 3 GPM (Qty. 2 per Unit)
4	05-5-154	1/2" 24 Volt Solenoid Valve
5	RAC2-KP	Control Panel - 2,3&5 HP, 3 Phase, 208/230-460 Volt
6	40-HE-014 04-5-333 04-5-335	Optional Full Enclosure Stainless Panels (Complete Set) Replacement Stainless Side Panel Replacement Stainless Side Panel (Connection Side)



# HOSTILE ENVIRONMENT DISPOSER "A" SERIES REPLACEMENT PARTS



KEY NO.	PART NO.	NAME: DESCRIPTION	QTY. PER MACH.	KEY NO.	PART NO.	NAME: DESCRIPTION	QTY. PER MACH.
1	06-ABC-834	Connector Sleeve: 7" dia. x 8"	1	16	07-HA-83	Cartridge Seal	1
2	08-ABC-33	Clamp: Connector Sleeve 7"	2	17	04-HA-263	Install Tool: HA Cartridge Seal	1
3	51-A-11S	Drum: 7" Throat	1	18	30-A-1141	Base Assy: Includes Seal Installed	1
4	08-HA-22	Screw: Hxhd 5/16-18 x1, SS	4	19	A-161	Gasket: Discharge Flange	1
5	08-HA-311	Washer: Lock Split 5/16	7	20	A-159	Discharge Flange	1
6	08-HA-17	Nut: Hex 5/16-18	2	21	A-4120	Screw 7/16-20 x 1" S.H.C.S.	2
7	07-A-10	Gasket: Sizing Ring	2	22	09-A-928	Leg Assy w/Foot: 2" x 13.5 SS	3
8	08-HA-16	Centering Stud	2	23	02-HA-100	Key	1
9	30-A-9HC	Sizing Ring: Chrome Plated	1	24	D-0235060	Motor, 2HP/3PH/50-60Hz	1
10	08-5-24	Screw: Skhd 3/8-16 x 7/8	6		D-0335060	Motor, 3HP/3PH/50-60Hz	1
11	30-A-27HC	Impact Bar: Chrome Plated	2		D-05360	Motor, 5HP/3PH/60Hz	1
12	08-HA-23	Screw: Hxhd 5/16 x 18 x 3/4, Nylock	1	25	06-ABC-ST7	Silver Saver	1
13	09-HA-2	Coverplate	1				
14	07-HA-3	Gasket: Coveplate	1				
15	51-A-1HC	Rotor: Chrome Plated	1				
	30-A-1HC	Rotor Assy: Chrome Plated (Includes Items: (2)10, (2)11, 15)	1				

\*\*Not Shown: RG-1059-22: Drain Coupling (1)