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Specifications

Model 32Z707AU

32P707AU

40P707AU

Automatic Operation Pumps

Performance: ISO 2548

	Standard	Optional
Discharge Size	1/3 HP – 1 1/4 inch	
Range of HP	1/2 HP and 3/4 HP – 1 1/2 inch	
Range of Performance	1/3, 1/2, and 3/4 HP Capacity 2.7 to 72 GPM Head 9.3 to 57 feet	
Limitation Maximum Water Temperature	122°F/50°C 140°F/60°C (intermittent duty)	
Solids	3/8" Spherical (2% by concentration)	
Synchronous Speed	3600 RPM	
Materials Casing Impeller Shaft Motor Frame Fasteners	304 Stainless Steel 304 Stainless Steel* 303 Stainless Steel 304 Stainless Steel 304 Stainless Steel	
Shaft Seal (Double)** Material – Upper Material – Lower Impeller Type Bearing Motor Single Phase Motor Protection Power Cord Automatic Float Switch	NBR Fitted Carbon/Ceramic 1/2, 3/4, 1, and 1 1/2 HP Viton Fitted Silicon Carbide/Silicon Carbide 1/2, 3/4, 1, and 1 1/2 HP Semi-Open Prelubricated Sealed Ball Bearing Air-filled, Insulation Class F, 2 Pole, Rated Continuous Duty–Permanent Split Capacitor 115 Volt Built-in Motor Protection w/Auto Reset UL/CSA SJTow-A With ECS No. 250 Cap Plug with grounding pin – 20 Ft. Length Rated 15 Amp 125V – NEMA 5-15P Mechanical Float	

* ITEM NO. EPPD-3AS1 Model No. 32Z707AU6.3S – Impeller/Diffuser material is Thermo Plastic-Noryl GFN2

** EPPD-3AS1 & EPD-3AS1 — 1/3 HP Shaft Seal is Non-Mechanical Double Oil Seal (Rubber)



Specifications

**Model 32Z707U
32P707U
40P707U**

Manual Operation Pumps
Performance: ISO 2548

	Standard	Optional
Discharge Size	1/3 HP – 1 1/4 inch 1/2 HP through 1 1/2 HP – 1 1/2 inch	
Range of HP	1/3, 1/2, 3/4, 1, and 1 1/2 HP	
Range of Performance	Capacity 2.7 to 88 GPM Head 9.3 to 62 feet	
Limitation Maximum Water Temperature	122°F/50°C 140°F/60°C (intermittent duty)	
Solids	3/8" Spherical (2% by concentration)	
Synchronous Speed	3600 RPM	
Materials Casing Impeller Shaft Motor Frame Fasteners	304 Stainless Steel 304 Stainless Steel* 303 Stainless Steel 304 Stainless Steel 304 Stainless Steel	
Shaft Seal (Double)** Material – Upper Material – Lower Impeller Type Bearing Motor Single Phase Three Phase Motor Protection† Power Cord Single Phase Three Phase	NBR Fitted Carbon/Ceramic 1/2, 3/4, 1, and 1 1/2 HP Viton Fitted Silicon Carbide/Silicon Carbide 1/2, 3/4, 1, and 1 1/2 HP Semi-Open Prelubricated Sealed Ball Bearing Air-filled, Insulation Class F, 2 Pole, Rated Continuous Duty–Permanent Split Capacitor 115 V 230V or 460V Built-in Motor Protection with Auto Reset UL/CSA SJTOW-A with ECS No. 250 Cap Plug with grounding pin – 20 Ft. Length Rated 15 Amp 125V – NEMA 5-15P UL/CSA STOW-A water resistant, stripped end jacket removed 2 inches and conductor stripped 5/8" — 20 Ft. length	

* ITEM NO. EPPD-3MS1 Model No. 32Z707U6.3S – Impeller/Diffuser material is Thermo Plastic-Noryl GFN2

** EPPD-3MS1 & EPD-3MS1 — 1/3 HP Shaft Seal is Non-Mechanical - Double Oil Seal (Rubber)

† Three Phase models require user to provide motor protection



Sample Specifications

1. Scope of supply

Furnish and install EBARA Model _____ Submersible Stainless Steel Pump(s). Each unit shall be rated at _____ GPM at _____ feet TDH.

The pump(s) shall be designed to pump dirty waters containing $\frac{3}{8}$ " spherical solids without damage during operation. The pump(s) shall be designed so that the pump shaft horsepower (BHP) shall not exceed motor rated horsepower throughout the entire operating range of the pump performance curve. Pump(s) shall be built to operate whether fully or partially submerged.

2. Casing and Impeller

Major parts of the pumping unit shall be manufactured of stainless steel. The casing, motor frame, and fasteners shall be manufactured of 304 stainless steel. The impeller and diffuser material shall be Thermo Plastic-Noryl GFN(2). The impeller shall be semi-open design. The pump(s) shall have a discharge size of $1\frac{1}{4}$ " NPT.

3. Shaft seal

The pump(s) shall be furnished with a non-mechanical double oil seal (rubber).

4. Motor

The pump motor shall be $\frac{1}{3}$ HP, 0.3 K.W., 115 Volt, 60Hz, single phase. Motor shall be air filled with Class F insulation and shall be of split capacitor design. The motor shall be supplied with built-in thermal protection with automatic reset and shall be rated for continuous duty. Motor shaft shall be 303 stainless steel.

5. Motor cable

Pump motor cable shall be suitable for submersible pump applications. Cable shall have 20 feet UL/CSA approved water resistant #16 AWG cord.

6. Option

A mechanical, non-mercury float switch is available in pumps with automatic operation.

Sample Specifications

1. Scope of supply

Furnish and install EBARA Model _____ Submersible Stainless Steel Pump(s). Each unit shall be rated at _____ GPM at _____ feet TDH.

The pump(s) shall be designed to pump dirty waters containing $\frac{3}{8}$ " spherical solids without damage during operation. The pump(s) shall be designed so that the pump shaft horsepower (BHP) shall not exceed motor rated horsepower throughout the entire operating range of the pump performance curve. Pump(s) shall be built to operate whether fully or partially submerged.

2. Casing and Impeller

Major parts of the pumping unit shall be manufactured of stainless steel. The casing, impeller, motor frame, and fasteners shall be manufactured of 304 stainless steel. The impeller shall be semi-open design. The pump(s) shall have a discharge size of $1\frac{1}{4}$ " NPT.

3. Shaft seal

The pump(s) shall be furnished with a non-mechanical double oil seal (rubber).

4. Motor

The pump motor shall be $\frac{1}{3}$ HP, 0.3 K.W., 115 Volt, 60Hz, single phase. Motor shall be air filled with Class F insulation and shall be of split capacitor design. The motor shall be supplied with built-in thermal protection with automatic reset and shall be rated for continuous duty. Motor shaft shall be 303 stainless steel.

5. Motor cable

Pump motor cable shall be suitable for submersible pump applications. Cable shall have 20 feet UL/CSA approved water resistant #16 AWG cord.

6. Option

A mechanical, non-mercury float switch is available in pumps with automatic operation.

Sample Specifications

1. Scope of supply

Furnish and install EBARA Model _____ Submersible Stainless Steel Pump(s). Each unit shall be rated at _____ GPM at _____ feet TDH.

The pump(s) shall be designed to pump dirty waters containing $\frac{3}{8}$ " spherical solids without damage during operation. The pump(s) shall be designed so that the pump shaft horsepower (BHP) shall not exceed motor rated horsepower throughout the entire operating range of the pump performance curve. Pump(s) shall be built to operate whether fully or partially submerged.

2. Casing and Impeller

Major parts of the pumping unit shall be manufactured of stainless steel. The casing, impeller, motor frame, and fasteners shall be manufactured of 304 stainless steel. The impeller shall be semi-open design. The pump(s) shall have a discharge size of 1½" NPT.

3. Shaft seal

The pump(s) shall be furnished with a non-mechanical double oil seal (rubber).

4. Motor

The pump motor shall be _____ HP, _____ K.W., 60Hz, single phase. Motor shall be air filled with Class F insulation and shall be of split capacitor design. The motor shall be rated for continuous duty. Motor shaft shall be 303 stainless steel.

5. Motor cable

Pump motor cable shall be suitable for submersible pump applications. Cable shall be 20 feet UL/CSA approved water resistant #16 AWG cord.

6. Option

A mechanical, non-mercury float switch is available in pumps with automatic operation.

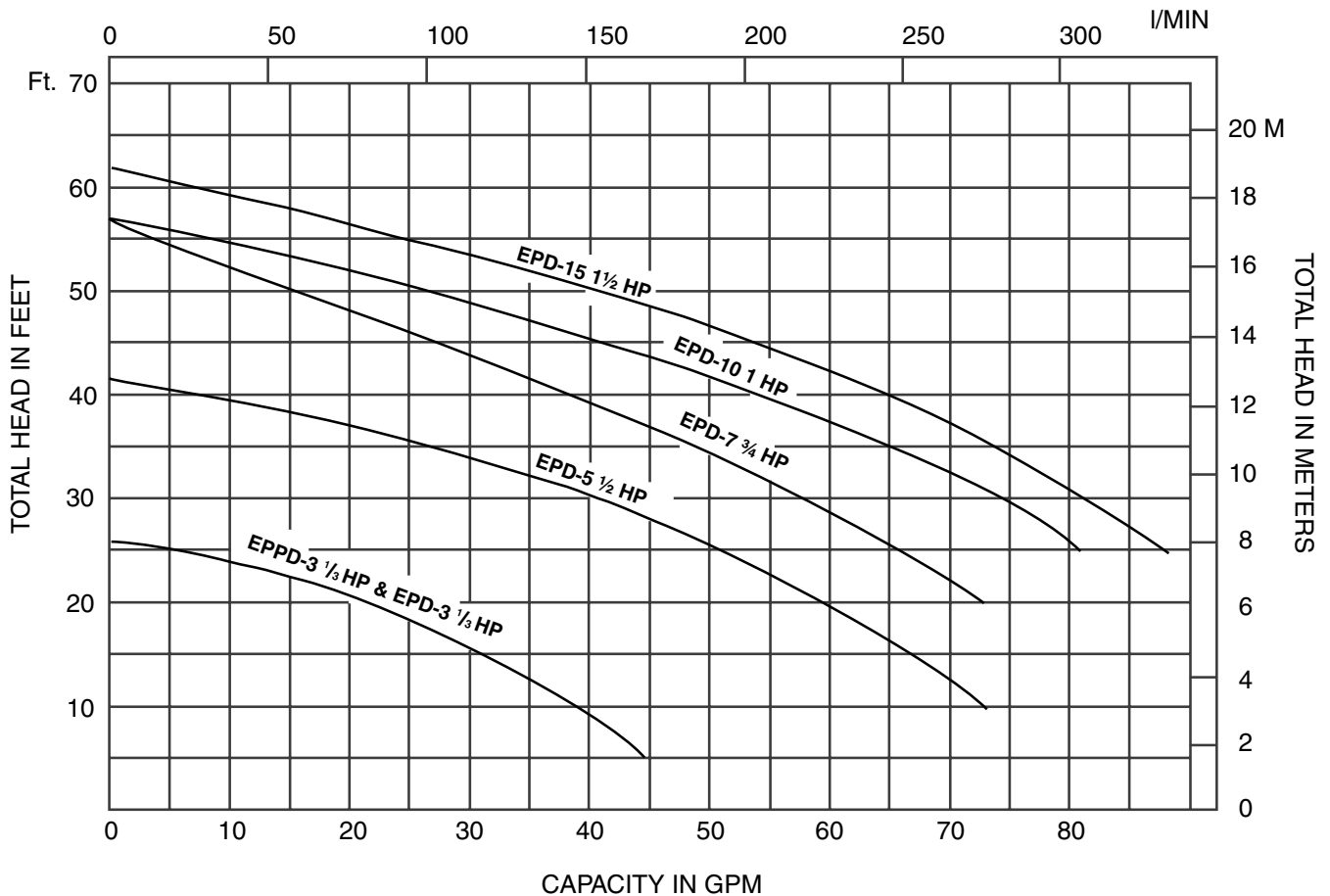
Performance Table

Capacity in Gallons Per Minute

Total Head Item No	5	10	15	20	25	30	35	40	45	50	55
EPPD-3 1/3 HP	45	39	31	21	5						
EPD-3 1/3 HP	45	39	31	21	5						
EPD-5 1/2 HP		73	67	60	51	40	27	9			
EPD-7 3/4 HP				74	67	58.5	49	39	27	16	
EPD-10 1 HP				83.5	82	75	65	55	42	27	
EPD-15 1 1/2 HP					88	81.5	74	65	54	42	25

PRO Drainer Performance Curve

60 Hz (synchronous speed: 3600 RPM)



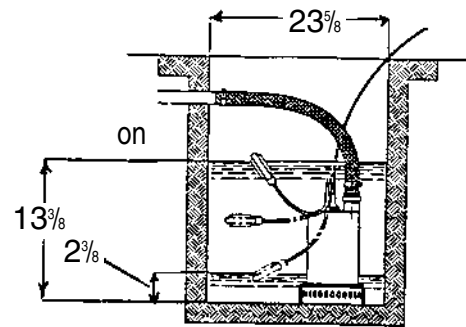
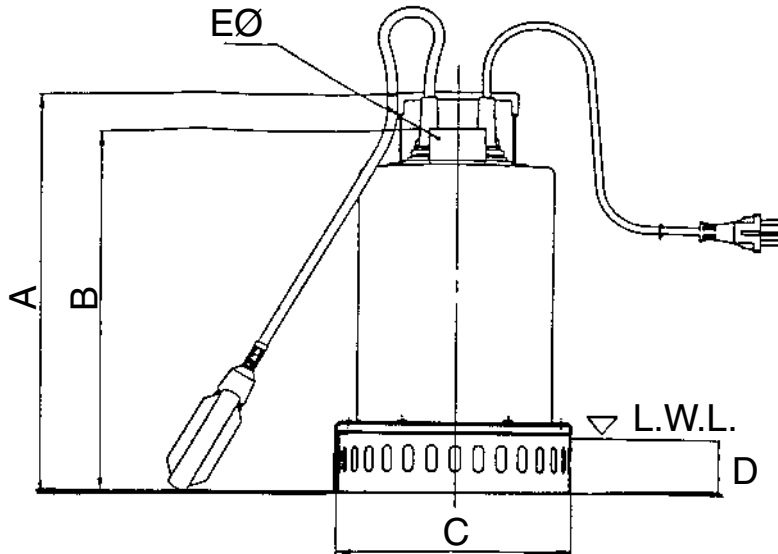
Dimensions

Project: _____ Model: _____ Chk'd: _____ Date: _____

Model 32Z707AU
32P707AU
40P707AU

Automatic Operation Pumps

Water Level in Automatic Operation



Dimensions: inch

Phase	Discharge Size	Model	HP	Pump & Motor					Cable Size		Weight lbs.
				A	B	C	D	E	O.D.	Length	
Single	1 1/4	32Z707AU6.3S	1/3	10 1/4	8 11/16	6 3/8	2 3/8	1 1/4	0.335	20 FT.	11
		32P707AU6.3S	1/3	10 1/4	8 11/16	6 3/8	2 3/8	1 1/4	0.335	20 FT.	11
	1 1/2	40P707AU6.6S	1/2	17 3/16	13 3/8	8 1/4	2 3/8	1 1/2	0.335	20 FT.	26
		40P707AU6.9S	3/4	17 3/16	13 3/8	8 1/4	2 3/8	1 1/2	0.335	20 FT.	26

Dimensions: mm

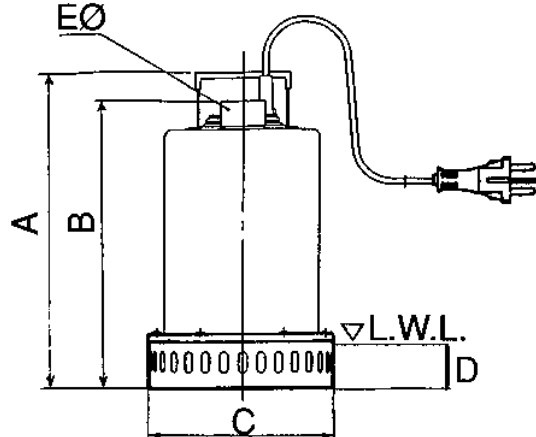
Phase	Discharge Size	Model	HP	Pump & Motor					Cable Size		Weight kg.
				A	B	C	D	E	O.D.	Length	
Single	31.75	32Z707AU6.3S	1/3	260	220	162	60	31	8.50	6.09 M	5
		32P707AU6.3S	1/3	260	220	162	60	31	8.50	6.09 M	5
	38.10	40P707AU6.6S	1/2	437	340	210	60	38	8.50	6.09 M	12
		40P707AU6.9S	3/4	437	340	210	60	38	8.50	6.09 M	12



Dimensions

Project: _____ Model: _____ Chk'd: _____ Date: _____

Model 32Z707U
32P707U
40P707U
 Manual Operation Pumps



Dimensions: inch

Phase	Discharge Size	Model	HP	Pump & Motor					Cable Size		Weight lbs.
				A	B	C	D	E	O.D.	Length	
Single	1 ¹ / ₄	32Z707U6.3S	1 ¹ / ₃	10 ¹ / ₄	8 ¹¹ / ₁₆	6 ³ / ₈	2 ³ / ₈	1 ¹ / ₄	0.335	20 FT.	11
	1 ¹ / ₄	32P707U6.3S	1 ¹ / ₃	10 ¹ / ₄	8 ¹¹ / ₁₆	6 ³ / ₈	2 ³ / ₈	1 ¹ / ₄	0.335	20 FT.	11
	1 ¹ / ₂	40P707U6.6S	1 ¹ / ₂	17 ³ / ₁₆	13 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	26
Three	1 ¹ / ₂	40P707U6.92	1 ¹ / ₂	13 ⁷ / ₈	12 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	26
	1 ¹ / ₂	40P707U6.64	1 ¹ / ₂	13 ⁷ / ₈	12 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	26
Single	1 ¹ / ₂	40P707U6.9S	3 ⁴ / ₄	17 ³ / ₁₆	13 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	29
Three	1 ¹ / ₂	40P707U6.92	3 ⁴ / ₄	13 ⁷ / ₈	12 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	29
	1 ¹ / ₂	40P707U6.94	3 ⁴ / ₄	13 ⁷ / ₈	12 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	29
	1 ¹ / ₂	40P707U61.12	1	14 ¹³ / ₁₆	13 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	31
	1 ¹ / ₂	40P707U61.14	1	14 ¹³ / ₁₆	13 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	31
	1 ¹ / ₂	40P707U61.32	1 ¹ / ₂	14 ¹³ / ₁₆	13 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	31
	1 ¹ / ₂	40P707U61.34	1 ¹ / ₂	14 ¹³ / ₁₆	13 ³ / ₈	8 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	0.335	20 FT.	31

Dimensions: mm

Phase	Discharge Size	Model	HP	Pump & Motor					Cable Size		Weight lbs.
				A	B	C	D	E	O.D.	Length	
Single	31.75	32Z707U6.3S	1 ¹ / ₃	260	220	162	60	31	8.50	6.09 M	5
	31.75	32P707U6.3S	1 ¹ / ₃	260	220	162	60	31	8.50	6.09 M	5
	38.10	40P707U6.6S	1 ¹ / ₂	437	340	210	60	38	8.50	6.09 M	12
Three	38.10	40P707U6.92	1 ¹ / ₂	352	315	210	60	38	8.50	6.09 M	12
	38.10	40P707U6.64	1 ¹ / ₂	352	315	210	60	38	8.50	6.09 M	12
Single	38.10	40P707U6.9S	3 ⁴ / ₄	437	340	210	60	38	8.50	6.09 M	13
Three	38.10	40P707U6.92	3 ⁴ / ₄	352	315	210	60	38	8.50	6.09 M	13
	38.10	40P707U6.94	3 ⁴ / ₄	352	315	210	60	38	8.50	6.09 M	13
	38.10	40P707U61.12	1	377	340	210	60	38	8.50	6.09 M	14
	38.10	40P707U61.14	1	377	340	210	60	38	8.50	6.09 M	14
	38.10	40P707U61.32	1 ¹ / ₂	377	340	210	60	38	8.50	6.09 M	14
	38.10	40P707U61.34	1 ¹ / ₂	377	340	210	60	38	8.50	6.09 M	14

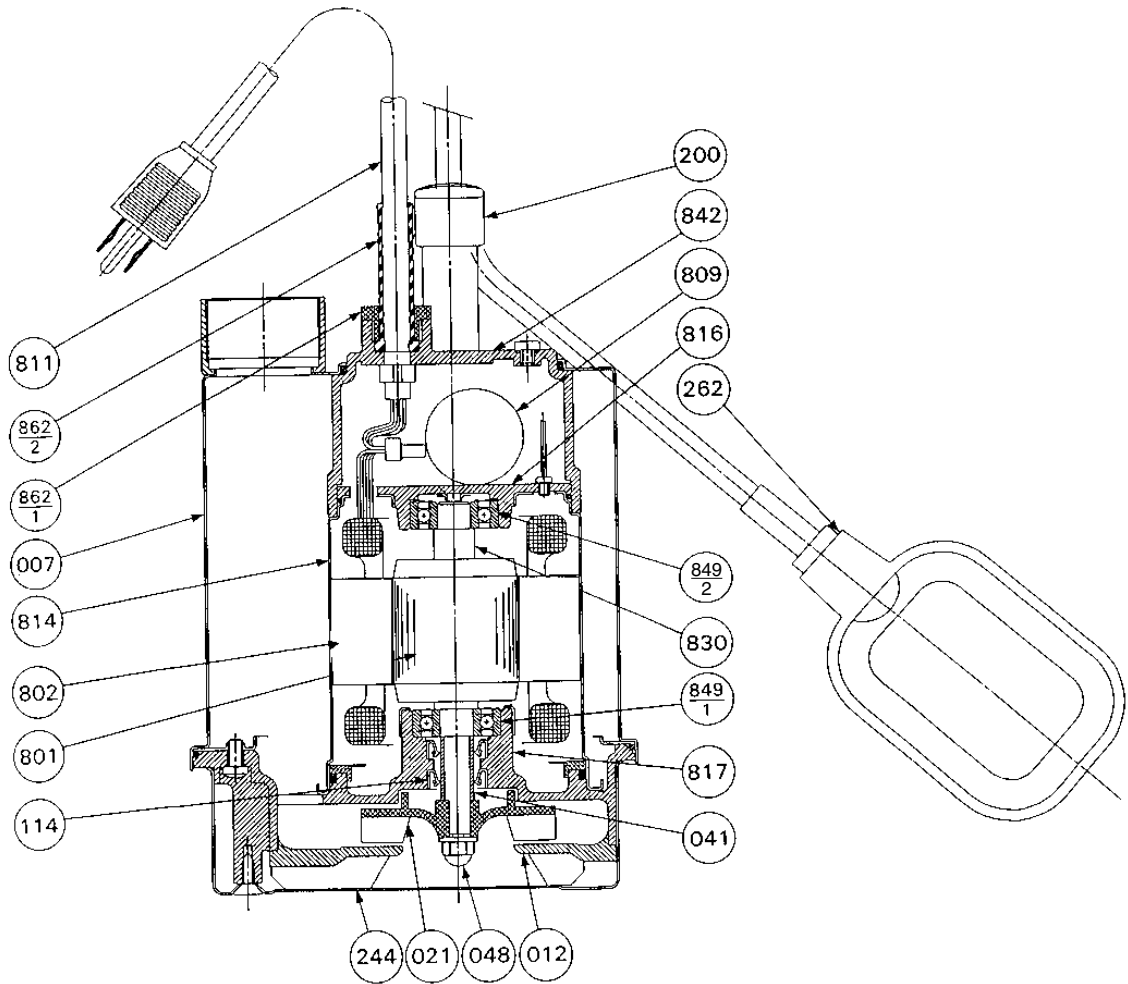
NOTE: PIGGY-BACK Plug comes on single phase manual pumps
 Three phase pumps **DO NOT** come with plug – Jacket is removed 2 inches and conductors are stripped 5/8 inch.



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Automatic Type Output 1/3 HP (Single Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit	Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1	809	Capacitor	—		1
012	Suction Cover	Noryl G.F. 2		1	811	Submersible Cable	—		1
021	Impeller	Noryl G.F. 2		1	814	Motor Frame	304 Stainless	AISI 304	1
041	Sleeve	304 Stainless/Ceramic		1	816	Bracket	Aluminum		1
048	Impeller Nut	304 Stainless	AISI 304	1	817	Bracket	Noryl G.F. 2		1
*114	Oil Seal	NBR		1 set	830	Shaft	303 Stainless	AISI 303	1
200	Lifting Hanger	304 Stainless	AISI 304	1	842	Motor Cover	Moplen		1
244	Strainer	304 Stainless	AISI 304	1	*849-1	Ball Bearing	—		1
262	Float Switch	—		1	*849-2	Ball Bearing	—		1
801	Rotor	—		1	862-1	Cable Connector	Nylon 66 G.F. 3		1
802	Stator	—		1	862-2	Cable Boot	NBR		1

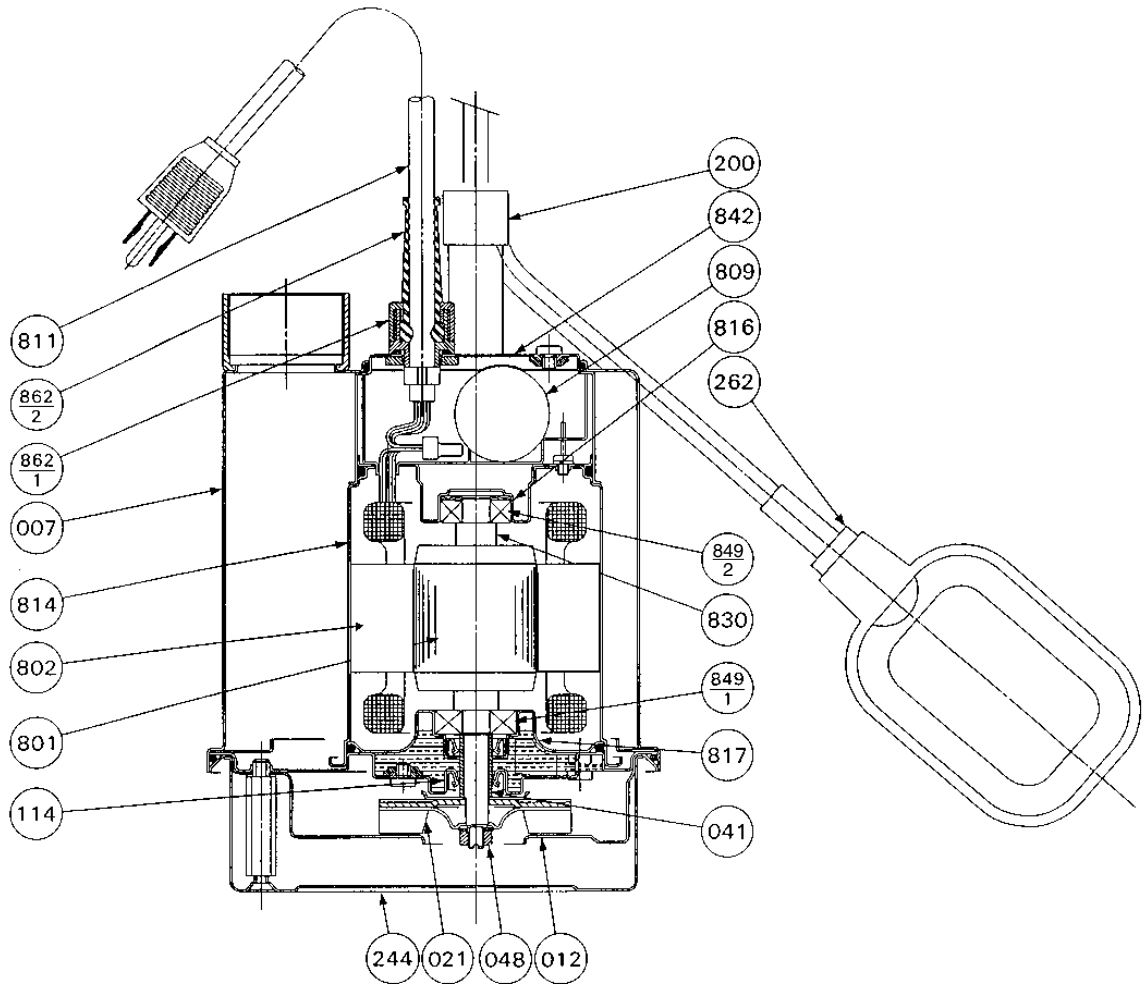
* Recommended spare parts



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Automatic Type Output 1/3 HP (Single Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit	Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1	809	Capacitor	—		1
012	Suction Cover	304 Stainless	AISI 304	1	811	Submersible Cable	—		1
021	Impeller	304 Stainless	AISI 304	1	814	Motor Frame	304 Stainless	AISI 304	1
041	Sleeve	Ceramic/Steel		1	816	Bracket	304 Stainless	AISI 304	1
048	Impeller Nut	304 Stainless	AISI 304	1	817	Bracket	304 Stainless	AISI 304	1
*114	Oil Seal	—		1 set	830	Shaft	303 Stainless	AISI 303	1
200	Lifting Hanger	304 Stainless	AISI 304	1	842	Motor Cover			1
244	Strainer	304 Stainless	AISI 304	1	*849-1	Ball Bearing	—		1
262	Float Switch	—		1	*849-2	Ball Bearing	—		1
801	Rotor	—		1	862-1	Cable Connector	Brass/Plated		1
802	Stator	—		1	862-2	Cable Boot	NBR		1

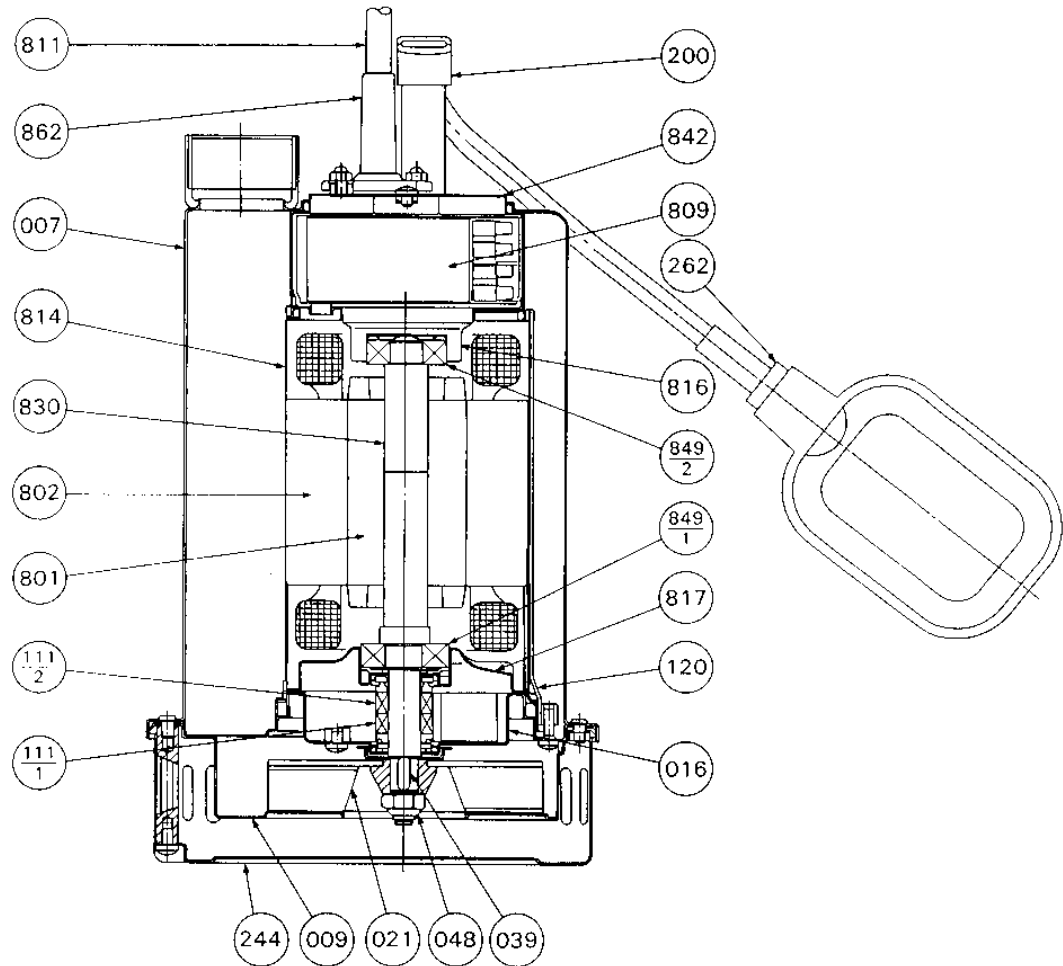
* Recommended spare parts



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Automatic Type Output 1/2 HP to 3/4 HP (Single Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1
009	Suction Cover	304 Stainless	AISI 304	1
016	Seal Cover	304 Stainless	AISI 304	1
021	Impeller	304 Stainless	AISI 304	1
039	Key	304 Stainless	AISI 304	1
048	Impeller Nut	304 Stainless	AISI 304	1 set
*111-1	Mechanical Seal	—		1 set
*111-2	Mechanical Seal	—		1 set
120	Connection Band	304 Stainless	AISI 304	
200	Lifting Hanger	304 Stainless	AISI 304	1
244	Strainer	304 Stainless	AISI 304	1
262	Float Switch	—		1

Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
801	Rotor	—		1
802	Stator	—		1
809	Capacitor	—		1
811	Submersible Cable	—		1
814	Motor Frame	304 Stainless	AISI 304	1
816	Bracket	304 Stainless	AISI 304	1
817	Bracket	304 Stainless	AISI 304	1
830	Shaft	303 Stainless	AISI 303	1
842	Motor Cover			1
*849-1	Ball Bearing	—		1
*849-2	Ball Bearing	—		1
862	Cable Boot	NBR		1

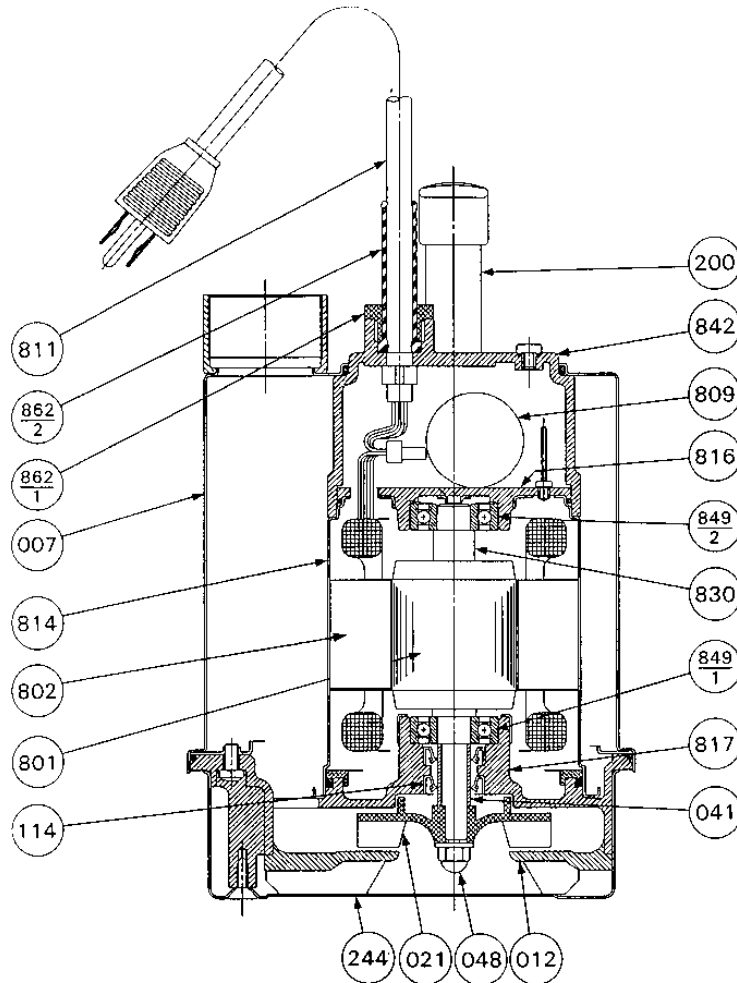
* Recommended spare parts



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Manual Type Output 1/3 HP (Single Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1
012	Suction Cover	Noryl G.F. 2		1
021	Impeller	Noryl G.F. 2		1
041	Sleeve	304 Stainless/Ceramic		1
048	Impeller Nut	304 Stainless	AISI 304	1
*114	Oil Seal	NBR		1 set
200	Lifting Hanger	304 Stainless	AISI 304	1
244	Strainer	304 Stainless	AISI 304	1
801	Rotor	—		1
802	Stator	—		1
809	Capacitor	—		1

Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
811	Submersible Cable	—		1
814	Motor Frame	304 Stainless	AISI 304	1
816	Bracket	Aluminum		1
817	Bracket	Noryl G.F. 2		1
830	Shaft	303 Stainless	AISI 303	1
842	Motor Cover	Moplen		1
*849-1	Ball Bearing	—		1
*849-2	Ball Bearing	—		1
862-1	Cable Connector	Nylon 66 G.F. 3		1
862-2	Cable Boot	NBR		1

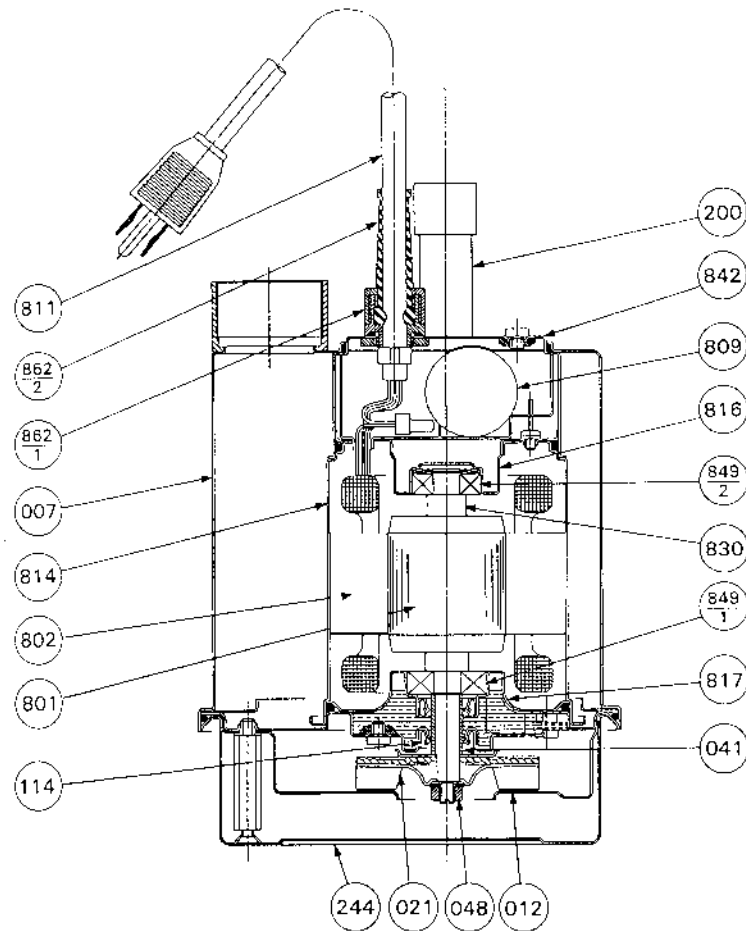
* Recommended spare parts



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Manual Type Output 1/3 HP (Single Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1
012	Suction Cover	304 Stainless	AISI 304	1
021	Impeller	304 Stainless	AISI 304	1
041	Sleeve	Ceramic/Steel		1
048	Impeller Nut	304 Stainless	AISI 304	1
*114	Oil Seal	—		1
200	Lifting Hanger	304 Stainless	AISI 304	1
244	Strainer	304 Stainless	AISI 304	1
801	Rotor	—		1
802	Stator	—		1
809	Capacitor	—		1

Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
811	Submersible Cable	—		1
814	Motor Frame	304 Stainless	AISI 304	1
816	Bracket	304 Stainless	AISI 304	1
817	Bracket	304 Stainless	AISI 304	1
830	Shaft	303 Stainless	AISI 303	1
842	Motor Cover	304 Stainless	AISI 304	1
*849-1	Ball Bearing	—		1
*849-2	Ball Bearing	—		1
862-1	Cable Connector	Brass/Plated		1
862-2	Cable Boot	NBR		1

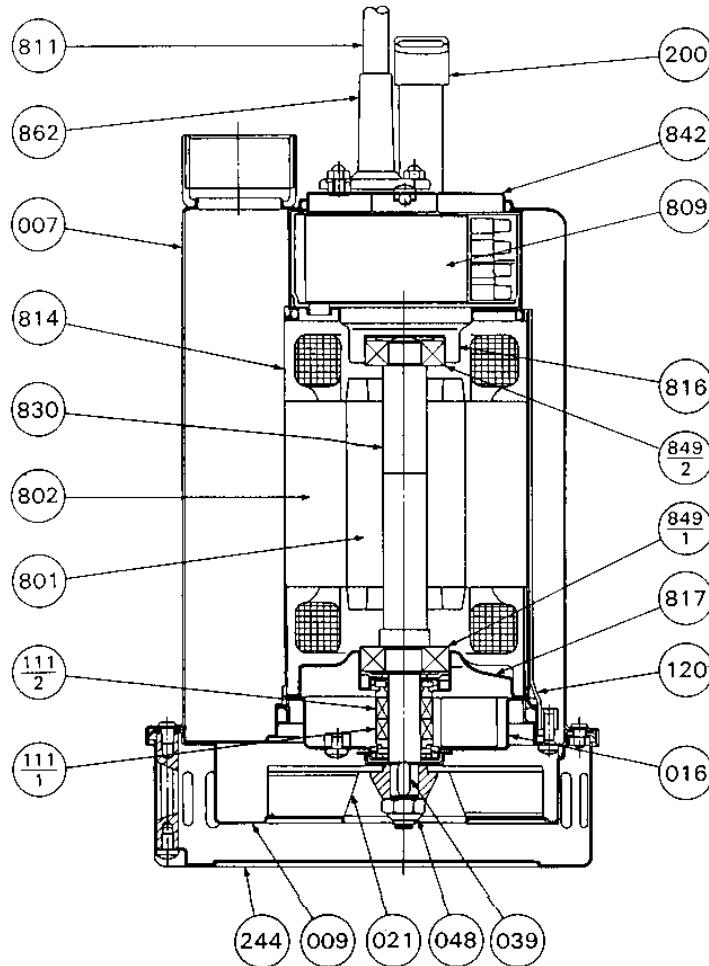
* Recommended spare parts



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Manual Type Output 1/2 HP to 3/4 HP (Single Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1
009	Inner Casing	304 Stainless	AISI 304	1
016	Seal Cover	304 Stainless	AISI 304	1
021	Impeller	304 Stainless	AISI 304	1
039	Key	304 Stainless	AISI 304	1
048	Impeller Nut	304 Stainless	AISI 304	1 set
*111-1	Mechanical Seal	—		1 set
*111-2	Mechanical Seal	—		1 set
120	Connection Band	304 Stainless	AISI 304	1
200	Lifting Hanger	304 Stainless	AISI 304	1
244	Strainer	304 Stainless	AISI 304	1
801	Rotor	—		1

Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
802	Stator	—		1
809	Capacitor	—		1
811	Submersible Cable	—		1
814	Motor Frame	304 Stainless	AISI 304	1
816	Bracket	304 Stainless	AISI 304	1
817	Bracket	304 Stainless	AISI 304	1
830	Shaft	303 Stainless	AISI 303	1
842	Motor Cover			1
*849-1	Ball Bearing	—		1
*849-2	Ball Bearing	—		1
862	Cable Boot	NBR		1

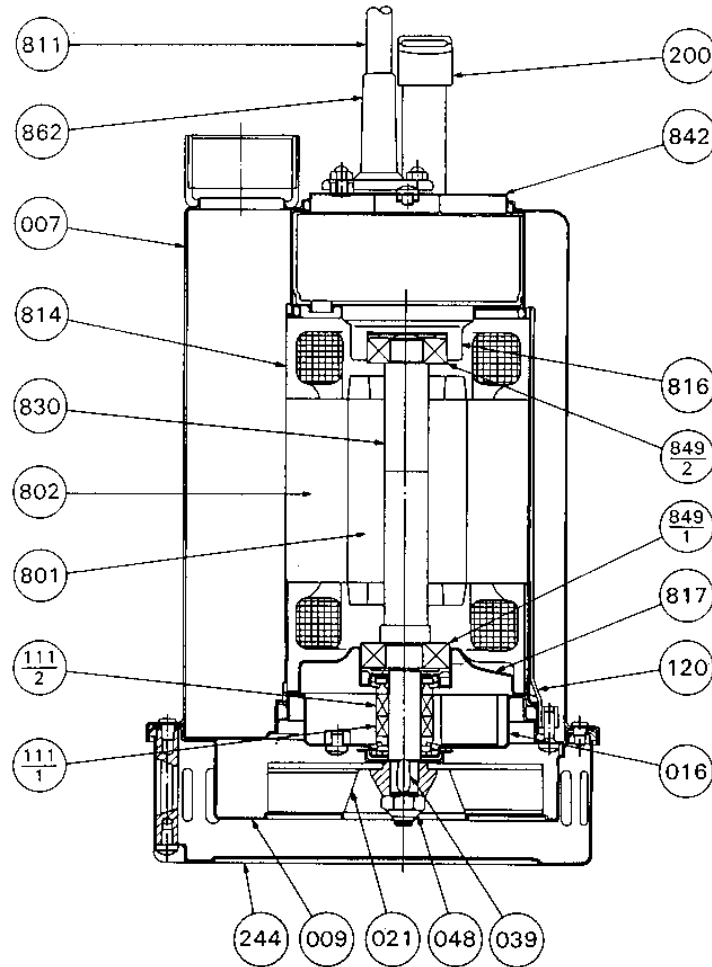
* Recommended spare parts



Sectional View

Project: _____ Model: _____ Chk'd: _____ Date: _____

Manual Type Output 1/2 HP to 1 1/2 HP (Three Phase)



Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit	Part No.	Part Name	Material	ASTM, AISI Code	No. for 1 Unit
007	Outer Casing	304 Stainless	AISI 304	1	801	Rotor	—		1
009	Inner Casing	304 Stainless	AISI 304	1	802	Stator	—		1
016	Seal Cover	304 Stainless	AISI 304	1	811	Submersible Cable	—		1
021	Impeller	304 Stainless	AISI 304	1	814	Motor Frame	304 Stainless	AISI 304	1
039	Key	304 Stainless	AISI 304	1	816	Bracket	304 Stainless	AISI 304	1
048	Impeller Nut	304 Stainless	AISI 304	1 set	817	Bracket	304 Stainless	AISI 304	1
*111-1	Mechanical Seal	—		1 set	830	Shaft	303 Stainless	AISI 303	1
*111-2	Mechanical Seal	—		1 set	842	Motor Cover			1
120	Connection Band	304 Stainless	AISI 304		*849-1	Ball Bearing	—		1
200	Lifting Hanger	304 Stainless	AISI 304	1	*849-2	Ball Bearing	—		1
244	Strainer	304 Stainless	AISI 304	1	862	Cable Foot	NBR		1

* Recommended spare parts



Motor Specification

Project: _____ Model: _____ Chk'd: _____ Date: _____

Model 32Z707U – 2 Pole Motor Specification

OUTPUT (HP)	PHASE	RATING			LOCKED ROTOR CURRENT A	INSULATION CLASS	OVER LOAD PROTECTION	CABLE				PERFORMANCE DATA AT RATING POINT		RESISTANCE AT 20°C OHMS	Symbols Auto/Manual	
		VOLTAGE V	CURRENT A	SPEED R.P.M.				TYPE	No. OF COND	GAUGE (mm ² / AWG)	LENGTH Ft	EFFICIENCY %	POWER FACTOR %			
1/3	SINGLE	115	4.0	3340	10	F	BUILT-IN AUTO RESET	STOW-A	3	1.25	#16	20	67	96	4/10.6	SA/SM

Models 32P707U & 40P707U – 2 Pole Motor Specification

HP	PHASE	RATING			LOCKED ROTOR CURRENT A	INSULATION CLASS	OVER LOAD PROTECTION	CABLE				PERFORMANCE DATA AT RATING POINT		RESISTANCE AT 20°C OHMS	Symbols Auto/Manual	
		VOLTAGE V	CURRENT A	SPEED R.P.M.				TYPE	No. OF COND	GAUGE (mm ² / AWG)	LENGTH Ft	EFFICIENCY %	POWER FACTOR %			
1/3	SINGLE	115	4.0	3340	10	F	BUILT-IN AUTO RESET	STOW-A	3	1.25	#16	20	67	96	4/10.6	SA/SM
1/2	SINGLE	115	9.0	3430	36		BUILT-IN AUTO RESET		3	1.25	#16	20	66.5	93	0.98/2.6	SA/SM
	THREE	230	3.2	3450	19		—	STOW-A	4	1.25	#16	20	72.5	76	5	SM
		460	1.55	3440	9.5		—		4	1.25	#16	20	72.5	70	21.5	
	3/4	SINGLE	115	12.2	3440		48	BUILT-IN AUTO RESET	STOW-A	3	1.25	#16	20	66.5	96	0.75/2.3
THREE		230	3.8	3420	24		—	STOW-A	4	1.25	#16	20	73	79	4.1	SM
		460	2	3440	12		—		4	1.25	#16	20	75.5	75	16	
1	THREE	230	4.8	3450	31		—		4	1.25	#16	20	76	75	3.2	SM
		460	2.5	3460	17		—		4	1.25	#16	20	75.5	75	11	
1 1/2	THREE	230	5.3	3420	31		—		4	1.25	#16	20	76	80	3.2	SM
		460	2.7	3430	17		—		4	1.25	#16	20	76	80	11	



Motor Wiring Diagram

Project:

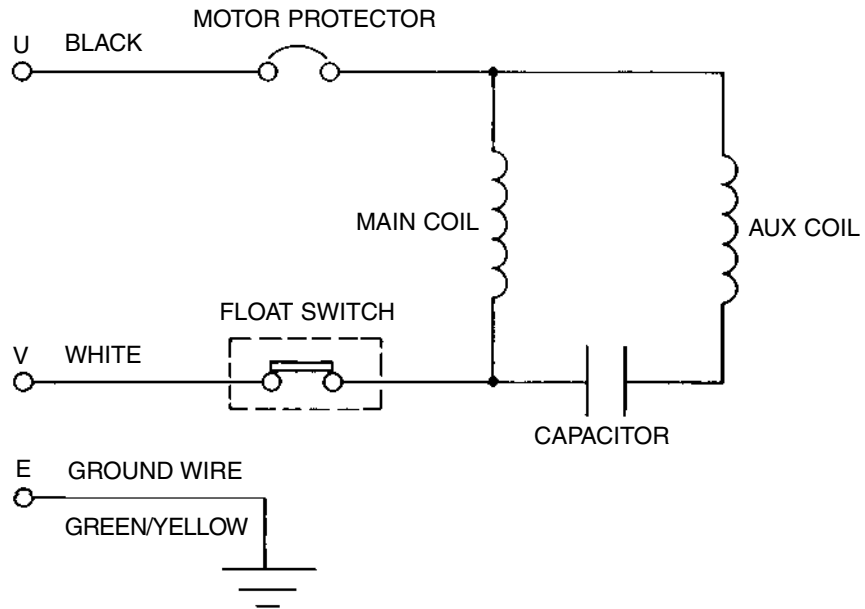
Model:

Chk'd:

Date:

Automatic Operation Type Output (Single Phase)

- Model Z707U, P707U
- Output 1/2 to 3/4 HP

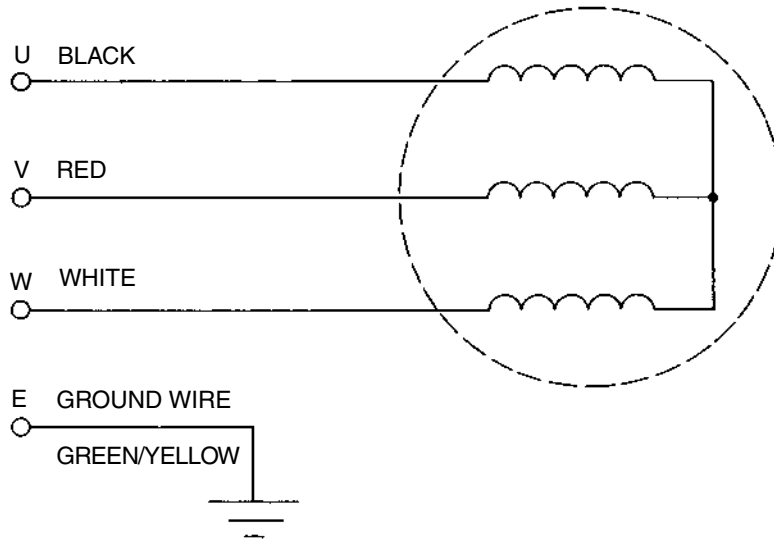


Motor Wiring Diagram

Project: _____ Model: _____ Chk'd: _____ Date: _____

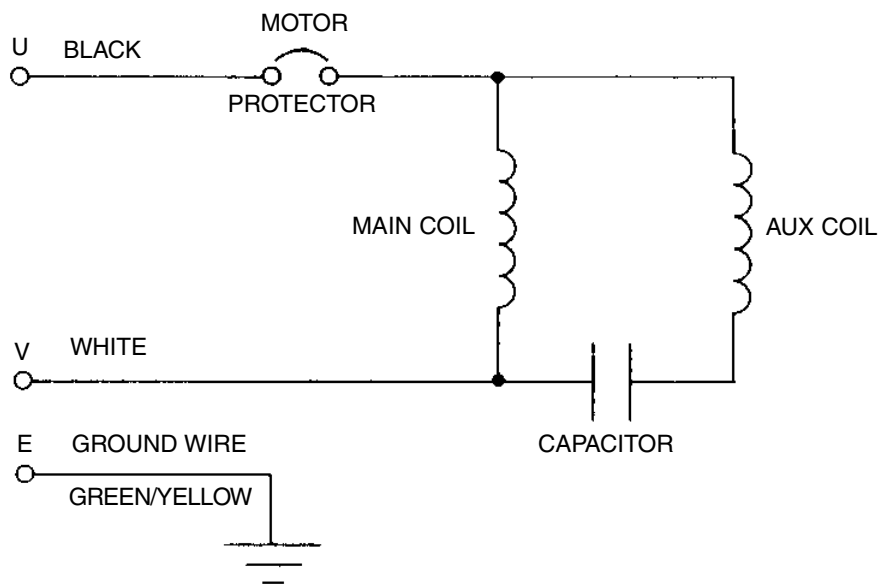
Manual Operation Type Output (Three Phase)

- Model P707U
- Output 1/2 to 1 1/2 HP



Manual Operation Type Output (Single Phase)

- Model P707U
- Output 1/3 to 3/4 HP



Electrical Data

Project: _____ Model: _____ Chk'd: _____ Date: _____

Model Z707U, P707U

• 1/3 to 3/4 HP, 60HZ, Single Phase, 115 Volt

Name-Plate Rating	ITEM NO.	EPPD-3	EPD-3	EPD-5	EPD-7	
	Output (HP)	1/3	1/3	1/2	3/4	
	Phase	1	1	1	1	
	Poles	2	2	2	2	
	Volts	115	115	115	115	
	Amperes	4	4	9	12.2	
	Speed	3350	3350	3430	3410	
	Insulation Class	F	F	F	F	
Capacitor μF	Start	—	—	—	—	
	Run	20	20	55	63	
No Load Test	Amperes	3.4	3.4	5.5	5.6	
	Watts	180	180	300	300	
Resistance at 20°C OHMS	Main Coil	4	4	0.98	0.75	
	Aux. Coil	10.6	10.6	2.6	2.3	
100% Load	Current Amp.	4	4	9	12.0	
	Efficiency %	67	67	66.5	66.5	
	Power Factor %	96	96	93	96	
	Speed RPM	3340	3340	3430	3440	
Locked Rotor Torque %	36	36	53	47		
Locked Rotor Current Amp.	10	10	36	48		
Vibration Micron						
Noise Phon (50 cm)						
Number Starts Per Hour	20	20	20	20		
Design Standard	NEMA (EQUIVALENT)					
Voltage Tolerance %	±5					
Frequency Tolerance %	±5					
(Ref. data Mfr.'s Symbols) Auto/Manual	SA/SM	SA/SM	SA/SM	SA/SM	SA/SM	



Electrical Data

Project: _____ Model: _____ Chk'd: _____ Date: _____

Model P707U

• 1/2 to 1 1/2 HP, 60HZ, Three Phase, 230 Volt

Name-Plate Rating	ITEM NO.	EPD-5	EPD-7	EPD-10	EPD-15	
	Output (HP)	1/2	3/4	1	1 1/2	
	Phase	3	3	3	3	
	Poles	2	2	2	2	
	Volts	230	230	230	230	
	Amperes	3.2	3.8	4.8	5.3	
	Speed	3450	3420	3450	3420	
	Insulation Class	F	F	F	F	
Capacitor μF	Start	—	—	—	—	
	Run	—	—	—	—	
No Load Test	Amperes	2.2	2.6	2.9	2.9	
	Watts	190	180	250	250	
Resistance at 20°C OHMS	Main Coil	5	4.1	3.2	3.2	
	Aux. Coil	—	—	—	—	
100% Load	Current Amp.	3.2	3.8	4.8	5.3	
	Efficiency %	72.5	75.5	76	76	
	Power Factor %	76	79	75	80	
	Speed RPM	3450	3420	3450	3420	
Locked Rotor Torque %	450	430	440	370		
Locked Rotor Current Amp.	19	24	31	31		
Vibration Micron						
Noise Phon (50 cm)						
Number Starts Per Hour	20	20	20	20		
Design Standard	NEMA (EQUIVALENT)					
Voltage Tolerance %	±5					
Frequency Tolerance %	±5					
(Ref. data Mfr.'s Symbols)	SM	SM	SM	SM		



Electrical Data

Project: _____ Model: _____ Chk'd: _____ Date: _____

• 1/2 to 1 1/2 HP, 60HZ, Three Phase, 460 Volt

Name-Plate Rating	ITEM NO.	EPD-5	EPD-7	EPD-10	EPD-15	
	Output (HP)	1/2	3/4	1	1 1/2	
	Phase	3	3	3	3	
	Poles	2	2	2	2	
	Volts	460	460	460	460	
	Amperes	1.55	2	2.5	2.7	
	Speed	3440	3440	3460	3430	
	Insulation Class	F	F	F	F	
Capacitor μ F	Start	—	—	—	—	
	Run	—	—	—	—	
No Load Test	Amperes	1.1	1.3	1.6	1.6	
	Watts	180	230	240	240	
Resistance at 20°C OHMS	Main Coil	21.5	16	11	11	
	Aux. Coil	—	—	—	—	
100% Load	Current Amp.	1.55	2	2.5	2.7	
	Efficiency %	72.5	75.5	75.5	76	
	Power Factor %	70	75	70	80	
	Speed RPM	3440	3440	3460	3430	
Locked Rotor Torque %	480	470	550	460		
Locked Rotor Current Amp.	9.5	12	17	17		
Vibration Micron						
Noise Phon (50 cm)						
Number Starts Per Hour	20	20	20	20		
Design Standard	NEMA (EQUIVALENT)					
Voltage Tolerance %	±5					
Frequency Tolerance %	±5					
(Ref. data Mfr.'s Symbols)	SM	SM	SM	SM		

