TRIAD GIANT FOUNTAIN SPECIFICATIONS

GIANT FOUNTAIN MODEL: The model shall be a _____ Otterbine Giant Fountain.

PUMPING CAPACITIES: The aerator shall produce a crowned geyser like spray pattern.

Spray dimensions for the upper pattern are _____ feet (_____ m) in and spray dimensions for the middle are _____ feet (_____ m) in and spray dimensions for the lower pattern are _____ feet (_____ m) in. Spray height for the upper pattern are _____ feet (_____ m) in diameter and spray height for the middle pattern are _____ feet (_____ m) in diameter and spray height for the lower pattern are _____ feet (_____ m) in diameter. The primary pumping rate of the unit is _____ GPM (_____ LPM) and the secondary or induced circulation rate is _____ GPM (_____ LPM).

FLOAT: The float shall be made of high density polyethylene. Two sections of the float shall be filled with polyurethane. Two sections of the float shall be void of polyurethane and will have a naval brass plug. The voided sections of float shall allow for easy height adjustment via a water intake which will minimize the visibility of the float and assist in keeping it level in the water.

NOZZLE: All nozzle ring system shall be made of plastic/brass.

MOTOR: The motor shall be a _____ HP, _____ volt, _____ phase, _____ Hz submersible motor operating at _____ RPM. The service factor shall be 1.15. The motor shall be a water-cooled Franklin Super Stainless Steel Motor or better.

PUMP: The pump shall be shall be a Grundfos submersible 6" pump for 7.5, 10, 15HP and 8" pump for 25HP.

FRAME: The frame shall be manufactured of type 304 stainless steel with four polyurethane wheels affixed to the bottom for ease of installation.

SCREEN: The screen shall be manufactured of 22 gauge stainless steel and shall be removable from a boat.

UNDERWATER POWER CABLE: The power cable shall be type SOW or SOOW specifically designed for underwater use. The cable shall be U.L. listed. The conductors shall be flexible, bench stranded bare copper AWG 10, 8, 6, or 4 triple insulated to resist moisture, cracking, and softening. The outer jacket of the cable shall be a black CPE material. All underwater connections shall be spliced according to Franklin Motor Specifications. Power cable shall be able to be furnished in un-spliced lengths up to one thousand feet (305 m) if necessary.

POWER CONTROL CENTER: The electrical control components shall be mounted in a NEMA 3R enclosure with an externally mounted disconnect switch and a HAND - OFF - AUTO selector switch. The electrical system for units operating on 230 volt single or three phase with the exception of 15HP 230V single phase and 25HP, 230V three phase, shall include a circuit breaker and a 5 milliamp GFCI (Ground Fault Circuit Interrupter). To operate the GFCI on 230 volt systems a grounded neutral must be present or an optional control transformer may be supplied. The electrical system for units operating on 380(50 Hz), 415V(50Hz) and 460 volt shall have circuit breakers. For all units the motor starter shall be a combination magnetic full-voltage non-reversing type, 600 volts maximum, with bimetallic, ambient compensated

overload relays and auxiliary contact for lighting. The electrical system shall include a three-pole lightning arrester, rated for a maximum of 60,000 amperes discharge. The system will include a 7 day timer.

TESTING: The fountain system shall be tested and approved as a unit. Separate component testing not allowed. Unit must be tested by ETL, ETL-C, CE, UL or other accredited testing facilities.

WARRANTY: The warranty shall be an 2 year warranty. (3 year warranty when you purchase Subtrol Plus option with unit)

ACCEPTABLE MANUFACTURER: This unit shall be an OTTERBINE _____ Model, _____ horsepower manufactured by OTTERBINE/BAREBO, INC., 3840 MAIN ROAD EAST, EMMAUS, PA 18049 U.S.A. PH: (610) 965-6018.

TRIAD SPECIFICATIONS

Model	HP	Voltage & Phase***	Motor RPM	Running Amp Draw	Spray H in Ft. (m)**			Spray Diam. in Ft. (m)**			GPM (m^3/hr)	Min. Cable Gauge	Max. Cable Run	Min. Oper. Depth	Shipping Weight Lbs (kg)*
					Upper	Middle	Lower	Upper	Middle	Lower					
Triad	7.5	230 1 Ph	3450 @ 60 Hz	39	32	16	6	.5	30	30	200	8/4	190ft	6	875
		230 3 Ph	3450 @ 60 Hz	23	32	16	6	.5	30	30	200	10/4	235ft	6	875
		380 3 Ph	2875 @ 50 Hz	13	9.1m	4.6m	1.8m	15cm	8.5m	8.5m	45.4m^3/hr	10/4	207.4m	2m	397kg
		415 3 Ph	2875 @ 50 Hz	13	9.1m	4.6m	1.8m	15cm	8.5m	8.5m	45.4m^3/hr	10/4	226.5m	2m	397kg
		460 3 Ph	3450 @ 60 Hz	11.5	32	16	6	.5	30	30	200	10/4	940ft	6	875
	10	230 1 Ph	3450 @ 60 Hz	47	36	18	8	.5	33	33	300	6/4	250ft	6	900
		230 3 Ph	3450 @ 60 Hz	30	36	18	8	.5	33	33	300	8/4	285ft	6	900
		380 3 Ph	2875 @ 50 Hz	16	10.4m	5.2m	2.4m	15cm	9.4m	9.4m	68.1m^3/hr	10/4	168.5m	2m	410kg
		415 3 Ph	2875 @ 50 Hz	16	10.4m	5.2m	2.4m	15cm	9.4m	9.4m	68.1m^3/hr	10/4	184.1m	2m	410kg
		460 3 Ph	3450 @ 60 Hz	15	36	18	8	.5	33	33	300	10/4	720ft	6	900
	15	230 1 Ph	3450 @ 60 Hz	67	40	20	10	.5	37	37	390	4/4	265ft	6	920
		230 3 Ph	3450 @ 60 Hz	44	40	20	10	.5	37	37	390	6/4	305ft	6	920
		380 3 Ph	2875 @ 50 Hz	24	11.6m	5.8m	3m	15cm	10.7m	10.7m	88.5m^3/hr	10/4	112.4m	2m	420kg
		415 3 Ph	2875 @ 50 Hz	24	11.6m	5.8m	3m	15cm	10.7m	10.7m	88.5m^3/hr	10/4	122.7m	2m	420kg
		460 3 Ph	3450 @ 60 Hz	22	40	20	10	.5	37	37	390	10/4	490ft	6	920
	25	230 3 Ph	3450 @ 60 Hz	70	50	26	12	.5	42	42	500	4/4	295ft	6	950
		380 3 Ph	2875 @ 50 Hz	40	14.3m	7.3m	3.7m	15cm	12.2m	12.2m	113.5m^3/hr	8/4	107.4m	2m	435kg
		415 3 Ph	2875 @ 50 Hz	40	14.3m	7.3m	3.7m	15cm	12.2m	12.2m	113.5m^3/hr	8/4	117.3m	2m	435kg
		460 3 Ph	3450 @ 60 Hz	35	50	26	12	.5	42	42	500	8/4	490ft	6	950

* Shipping Weights are estimates and include unit, power control center and 100' of cable. **Figures derived from imperical data. ***380/460V units do not include EPD or GFCI. ****Specifications are subject to change.