

Liberty Pumps®

D3600-Series

Duplex Grinder Package

Factory Assembled 2 hp Grinder Pumps 36" Diameter System

Features:

- Integral check valves
- QuickTree® pre-mounted float system for pump control and alarm
- 4" inlet hub with rubber pipe seal
 - 2" discharge
- Factory pre-assembled guide rail system
 - Galvanized guide rail piping (stainless optional)
- Factory pre-assembled schedule 80 PVC discharge piping with ball valves
- Fiberglass basin with anti-flotation collar
 - Standard green fiberglass cover, solid (optional black steel, solid)
 - All stainless steel supports and brackets pre-mounted
 - NEMA 4X junction box for electrical connections, pre-mounted
 - Stainless steel chain for pump lift-out

*Other custom basin sizes available consult factory



4" inlet
(unmounted)

Available Heights

48"
60"
72"
84"
96"



Available with
LSG or LSGX-Series
(2-Stage) Grinders



innovate. evolve.

D3600-Series Specifications

Features:

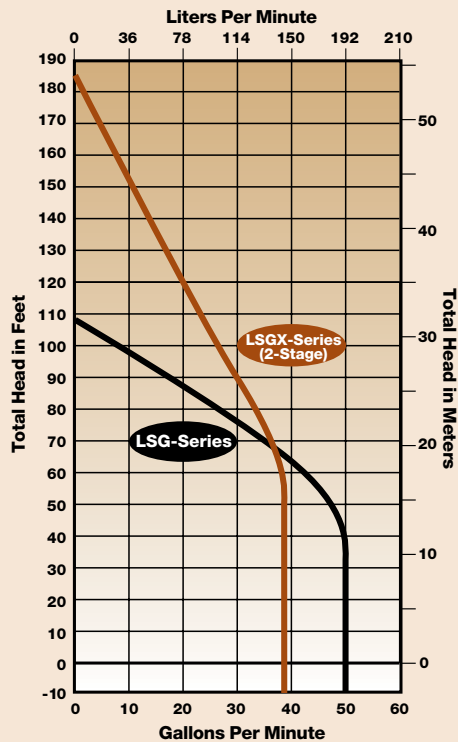
2 hp. Grinder Pump
Choose from single stage LSG or two stage LSGX-Series pumps



- Available in a wide range of voltages
- 2" discharge (exiting basin)
- 25' power cable length

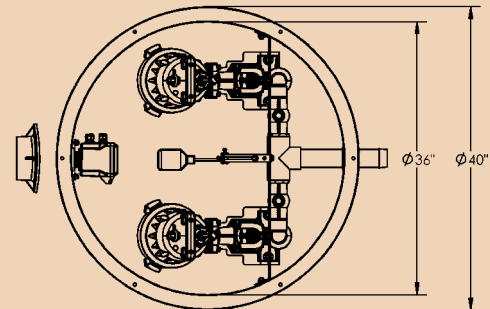
(See LSG or LSGX-Series literature for complete pump specifications.)

Performance Curves:

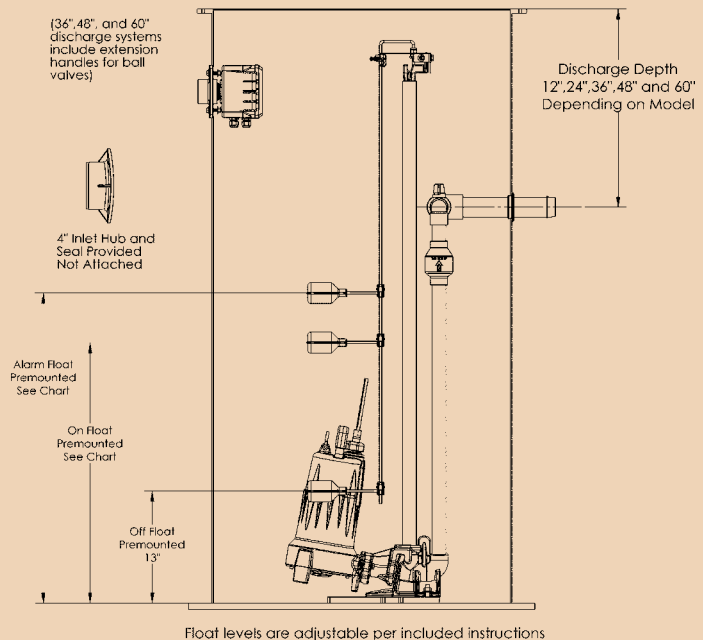


Dimensional Data

Top View



Side View



Galvanized guide rails standard. For stainless steel rails add "S" to model number. Example: (galvanized) D3672LSG202-24-S

For steel cover option add "-SC" suffix to model number. Example: (steel) D3672LSG202-24-SC

Factory set control levels 3600-Series

Model	Off level	On Level	Alarm Level	Volume per Pump Cycle	Total Basin Capacity
D3648	13" (33 cm)	25" (64 cm)	31" (79 cm)	62 gal. (235 liters)	211 gal. (799 liters)
D3660	13" (33 cm)	28" (71 cm)	34" (86 cm)	75 gal. (284 liters)	264 gal. (999 liters)
D3672	13" (33 cm)	31" (79 cm)	37" (94 cm)	88 gal. (333 liters)	317 gal. (1200 liters)
D3684	13" (33 cm)	34" (86 cm)	40" (102 cm)	101 gal. (382 liters)	370 gal. (1400 liters)
D3696	13" (33 cm)	37" (94 cm)	43" (109 cm)	115 gal. (435 liters)	423 gal. (1601 liters)

Specifications are subject to change without notice.



Choice of Panel... AE-Series or IP-Series



AE-Series Panels - (Standard)

Provide reliable alternating operation with standard features that include:

- HOA Switch
- NEMA 4X enclosure
- Circuit Breakers
- Visual and Audible alarm
- Pump run indicator lights
- Auxiliary contacts
- Three level control floats

For the complete AE-Series specifications, See AE-Series literature sheet.



Dual safety certification for the United States and Canada.

IP-Series™ Panels - (Optional)

IP control panels incorporate the latest programmable pump features through a simple, easy-to-use touch pad on the inner door. Now pump programming and system monitoring is easier than ever.

Features:

- NEMA 4X weatherproof enclosure for indoor/outdoor mounting
- Float-less level sensor is compact and eliminates multiple wide-angle floats for controlling pumps
- Redundant "ALARM" float included for added security
- Inner panel door provides increased safety

- Easy-to-use touch pad for programming pump on/off levels and alarm level in inches or centimeters
- Separate control and alarm fuses
- Digital display board for system monitoring
- Alarm beacon and horn provide audio/visual warning of alarm condition
- Test/Normal/Silence switch
- Auxiliary contacts
- Panel is field convertible for either demand dose or timed dose applications

For the complete IP-Series specifications, See IP-Series literature sheet.



NOTE: To order the IP-Series panel option, add "-IP" suffix to the system model number. Example: D3648LSG202-IP

D3600-Series Duplex Model

36" diameter fiberglass basin available in heights of 48", 60", 72", 84" and 96".

Available with standard AE-Series control panel or upgrade to the new IP-Series Intelligent Panel.

Systems listed to the right are shipped with a standard AE-Series control panel. To upgrade to an IP-Series panel add "-IP" suffix to the above model number. Example: D3672LSGX202-24-IP See AE-Series or IP-Series literature for complete specifications.

Models	Volts	Phase	Wgt.	Standard Panel AE-Series	(Optional) Panel IP-Series
D3648 – 36" x 48" basin (Discharge depth is 12" from top of basin)					
D3648LSG202	208/230	1	470 lbs.	AE24H=3	IPD-24H
D3648LSG202-C	208/230	1	470 lbs.	AE24HC=3	IPD-24HC
D3648LSG203	208/230	3	479 lbs.	AE34=3-511	IPD-34-511
D3648LSG204	440-480	3	479 lbs.	AE34=3-171	IPD-34-171
D3648LSG205	575	3	479 lbs.	AE54=3-161	IPD-34-161
D3648LSGX202	208-230	1	482 lbs.	AE24H=3	IPD-24H
D3648LSGX202-C	208-230	1	482 lbs.	AE24HC=3	IPD-24HC
D3648LSGX203	208/230	3	491 lbs.	AE34=3-511	IPD-34-511
D3648LSGX204	440-480	3	491 lbs.	AE34=3-171	IPD-34-171
D3648LSGX205	575	3	491 lbs.	AE54=3-161	IPD-54-161
D3660 – 36" x 60" basin (Discharge depth is available in 24" or 36" from top of basin. Add -24 or -36 to model when ordering)					
D3660LSG202 (-24 or -36)	208/230	1	490 lbs.	AE24H=3	IPD-24H
D3660LSG202-C (-24 or -36)	208/230	1	490 lbs.	AE24HC=3	IPD-24HC
D3660LSG203 (-24, or -36)	208/230	3	499 lbs.	AE34=3-511	IPD-34-511
D3660LSG204 (-24 or -36)	440-480	3	499 lbs.	AE34=3-171	IPD-34-171
D3660LSG205 (-24 or -36)	575	3	499 lbs.	AE54=3-161	IPD-34-161
D3660LSGX202 (-24 or -36)	208-230	1	502 lbs.	AE24H=3	IPD-24H
D3660LSGX202-C (-24 or -36)	208-230	1	502 lbs.	AE24HC=3	IPD-24HC
D3660LSGX203 (-24 or -36)	208/230	3	511 lbs.	AE34=3-511	IPD-34-511
D3660LSGX204 (-24 or -36)	440-480	3	511 lbs.	AE34=3-171	IPD-34-171
D3660LSGX205 (-24 or -36)	575	3	511 lbs.	AE54=3-161	IPD-54-161
D3672 – 36" x 72" basin (Discharge depth is available in 24", 36" or 48" from top of basin. Add -24, -36 or -48 to model when ordering)					
D3672LSG202 (-24, -36 or -48)	208/230	1	515 lbs.	AE24H=3	IPD-24H
D3672LSG202-C (-24, -36 or -48)	208/230	1	515 lbs.	AE24HC=3	IPD-24HC
D3672LSG203 (-24, -36 or -48)	208/230	3	524 lbs.	AE34=3-511	IPD-34-511
D3672LSG204 (-24, -36 or -48)	440-480	3	524 lbs.	AE34=3-171	IPD-34-171
D3672LSG205 (-24, -36 or -48)	575	3	524 lbs.	AE54=3-161	IPD-34-161
D3672LSGX202 (-24, -36 or -48)	208-230	1	527 lbs.	AE24H=3	IPD-24H
D3672LSGX202-C (-24, -36 or -48)	208-230	1	527 lbs.	AE24HC=3	IPD-24HC
D3672LSGX203 (-24, -36 or -48)	208/230	3	536 lbs.	AE34=3-511	IPD-34-511
D3672LSGX204 (-24, -36 or -48)	440-480	3	536 lbs.	AE34=3-171	IPD-34-171
D3672LSGX205 (-24, -36 or -48)	575	3	536 lbs.	AE54=3-161	IPD-54-161
D3684 – 36" x 84" basin (Discharge depth is available in 24", 36", 48" or 60" from top of basin. Add -24, -36, -48 or -60 to model when ordering)					
D3684LSG202 (-24, -36, -48 or -60)	208/230	1	540 lbs.	AE24H=3	IPD-24H
D3684LSG202-C (-24, -36, -48 or -60)	208/230	1	540 lbs.	AE24HC=3	IPD-24HC
D3684LSG203 (-24, -36, -48 or -60)	208/230	3	549 lbs.	AE34=3-511	IPD-34-511
D3684LSG204 (-24, -36, -48 or -60)	440-480	3	549 lbs.	AE34=3-171	IPD-34-171
D3684LSG205 (-24, -36, -48 or -60)	575	3	549 lbs.	AE54=3-161	IPD-34-161
D3684LSGX202 (-24, -36, -48 or -60)	208-230	1	552 lbs.	AE24H=3	IPD-24H
D3684LSGX202-C (-24, -36, -48 or -60)	208-230	1	552 lbs.	AE24HC=3	IPD-24HC
D3684LSGX203 (-24, -36, -48 or -60)	208/230	3	561 lbs.	AE34=3-511	IPD-34-511
D3684LSGX204 (-24, -36, -48 or -60)	440-480	3	561 lbs.	AE34=3-171	IPD-34-171
D3684LSGX205 (-24, -36, -48 or -60)	575	3	561 lbs.	AE54=3-161	IPD-54-161
D3696 – 36" x 96" basin (Discharge depth is available in 24", 36", 48", 60" or 72" from top of basin. Add -24, -36, -48, -60 or -72 to model when ordering)					
D3696LSG202 (-24, -36, -48, -60 or -72)	208/230	1	565 lbs.	AE24H=3	IPD-24H
D3696LSG202-C (-24, -36, -48, -60 or -72)	208/230	1	565 lbs.	AE24HC=3	IPD-24HC
D3696LSG203 (-24, -36, -48, -60 or -72)	208/230	3	574 lbs.	AE34=3-511	IPD-34-511
D3696LSG204 (-24, -36, -48, -60 or -72)	440-480	3	574 lbs.	AE34=3-171	IPD-34-171
D3696LSG205 (-24, -36, -48, -60 or -72)	575	3	574 lbs.	AE54=3-161	IPD-34-161
D3696LSGX202 (-24, -36, -48, -60 or -72)	208-230	1	577 lbs.	AE24H=3	IPD-24H
D3696LSGX202-C (-24, -36, -48, -60 or -72)	208-230	1	577 lbs.	AE24HC=3	IPD-24HC
D3696LSGX203 (-24, -36, -48, -60 or -72)	208/230	3	586 lbs.	AE34=3-511	IPD-34-511
D3696LSGX204 (-24, -36, -48, -60 or -72)	440-480	3	586 lbs.	AE34=3-171	IPD-34-171
D3696LSGX205 (-24, -36, -48, -60 or -72)	575	3	586 lbs.	AE54=3-161	IPD-54-161