

D3600-SERIES

Duplex Grinder Package

Liberty Pumps®

A Family and Employee Owned Company

Factory Assembled 2 hp Grinder Pumps 36" Diameter System 2" Discharge

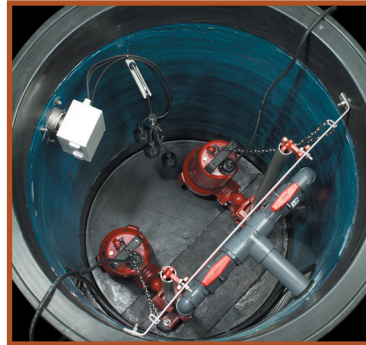
Features

- Integral check valves
- QuickTree® pre-mounted float switch system for pump control and alarm
- 4" Inlet hub with rubber pipe seal
- 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



Available with
LSG or LSGX-Series



innovate. evolve.

D3600-Series

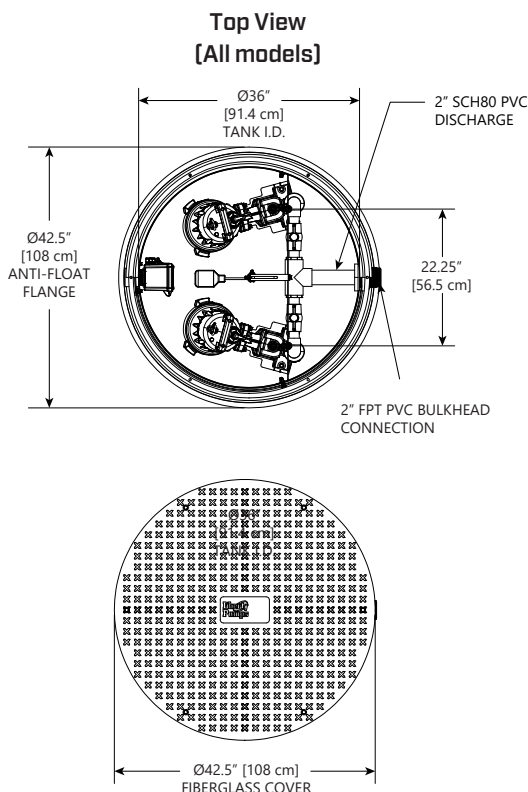
Features

- 2 hp Grinder pumps
- Choose from single-stage LSG or 2-stage LSGX-Series pumps
- Available in a wide range of voltages
- 2" Discharge
- 25' Power cable length for standard systems (35' power cable length for "-C" models)

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

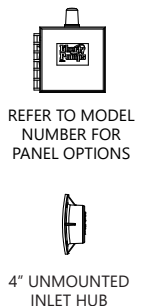
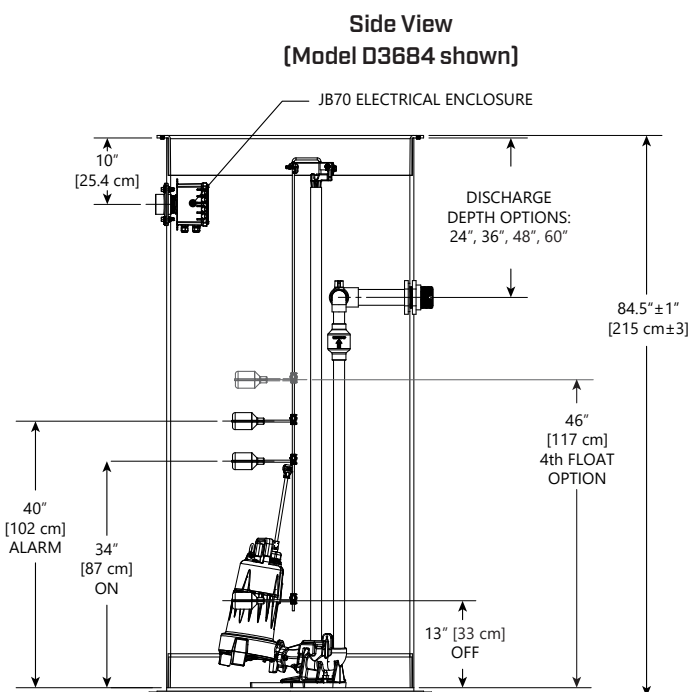
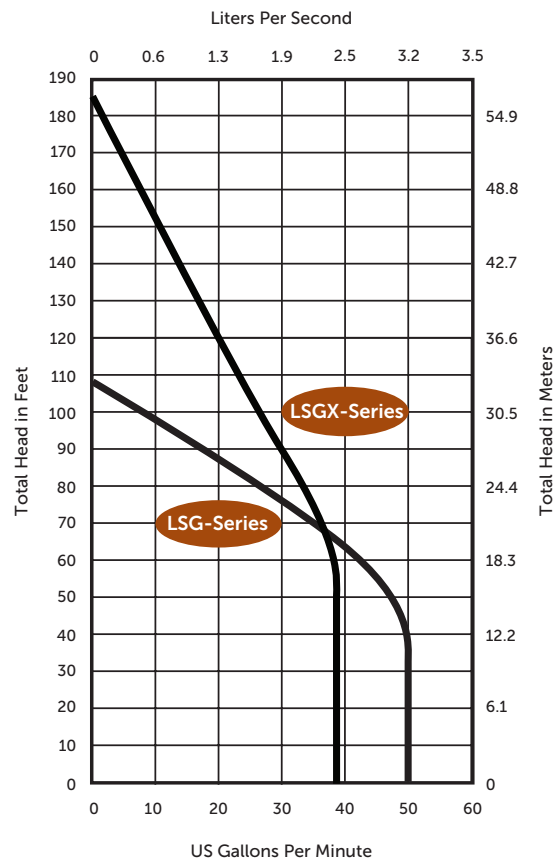


Dimensional Data



Performance Curves

60 Hz, 3450 RPM



Galvanized guide rails standard. For stainless steel rails add "S" to model number. Example: (steel) D3684LSG202-24-S
 For steel cover option add "-SC" suffix to model number. Example: (steel) D3684LSG202-24-SC

Standard system shipped with three float configurations. For systems with the four-float option add a "-4F" suffix to the part number. Example: D3684LSG203-24-4F

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



AE24H=3
Control Panel
with Alarm
Included



AE-Series Panels [Standard]

Provides reliable alternating operation.

Features

- HOA switch offer manual operation of pumps (on circuit board)
- NEMA 4X enclosure for outdoor use
- Circuit breakers provide pump disconnect and branch circuit protection
- Alarm beacon and horn provide audio/visual warning of alarm condition
- Pump run indicator lights
- Auxiliary contacts
- Three level control float switches

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

IP-Series Panels [Optional]

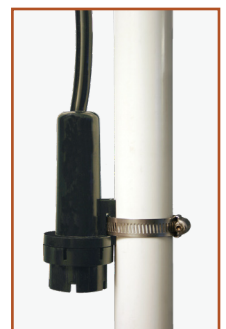
IP-Series control panels incorporate the latest programmable pump features through a simple, easy-to-use touchpad on the inner door. Now pump programming and system monitoring is easier than ever.

Features

- NEMA 4X weatherproof enclosure for indoor or outdoor mounting
- Floatless level sensor is compact and eliminates multiple wide-angle float switches for controlling pump
- Redundant "ALARM" float switch included for added security
- Easy-to-use touchpad for programming pump on/off levels and alarm level in inches or centimeters
- Inner panel door provides increased safety
- 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 time 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



Floatless
Level Sensor

D3600-Series

36" diameter fiberglass basin available in heights of 48", 60", 72", 84", 96", and 120".

Systems listed below are shipped with a standard AE-Series control panel. To upgrade to an IP-Series panel add "-IP" suffix to the system model number. Example: D3672LSG202-24-IP See AE-Series or IP-Series literature for complete specifications.

MODEL	VOLTS	PHASE	WEIGHT	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=3-3	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-54-161
D3648LSGX202	208–230	1	482 lbs	AE24H=3	IPD-24H
D3648LSGX202-C	208–230	1	482 lbs	AE24HC=3-3	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=3-3	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-54-161
D3660LSGX202 (-24 or -36)	208–230	1	502 lbs	AE24H=3	IPD-24H
D3660LSGX202-C (-24 or -36)	208–230	1	502 lbs	AE24HC=3-3	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=3-3	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-54-161
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=3-3	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=3-3	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-54-161
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=3-3	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=3-3	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-54-161
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=3-3	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
D36120 – 36" x 120" 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)					
D36120LSG202 (-24, -36, -48, -60 or -72)	208/230	1	632 lbs	AE24H=3	IPD-24H
D36120LSG202-C (-24, -36, -48, -60 or -72)	208/230	1	632 lbs	AE24HC=3-3	IPD-24HC
D36120LSG203 (-24, -36, -48, -60 or -72)	208/230	3	641 lbs	AE34=3-511	IPD-34-511
D36120LSG204 (-24, -36, -48, -60 or -72)	440–480	3	641 lbs	AE34=3-171	IPD-34-171
D36120LSG205 (-24, -36, -48, -60 or -72)	575	3	641 lbs	AE54=3-161	IPD-54-161
D36120LSGX202 (-24, -36, -48, -60 or -72)	208–230	1	644 lbs	AE24H=3	IPD-24H
D36120LSGX202-C (-24, -36, -48, -60 or -72)	208–230	1	644 lbs	AE24HC=3-3	IPD-24HC
D36120LSGX203 (-24, -36, -48, -60 or -72)	208/230	3	653 lbs	AE34=3-511	IPD-34-511
D36120LSGX204 (-24, -36, -48, -60 or -72)	440–480	3	653 lbs	AE34=3-171	IPD-34-171
D36120LSGX205 (-24, -36, -48, -60 or -72)	575	3	653 lbs	AE54=3-161	IPD-54-161

Specifications subject to change without notice.

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