



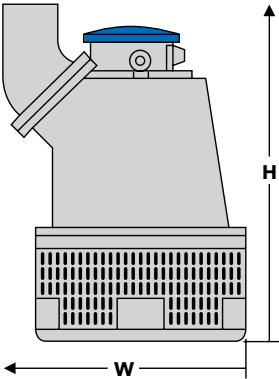
Flygt Submersible Pumps

AVAILABLE FOR RENTAL AND SALE

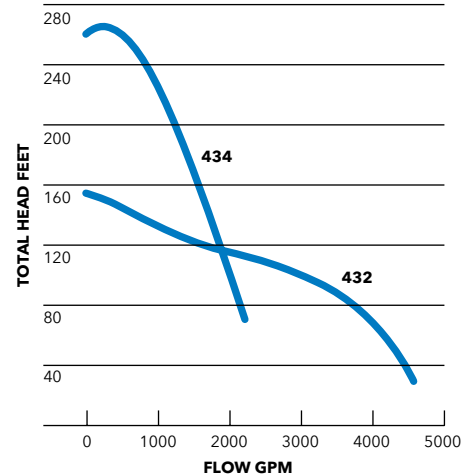
FLYGT
a xylem brand

www.motralec.com / service-commercial@motralec.com / 01.39.97.65.10

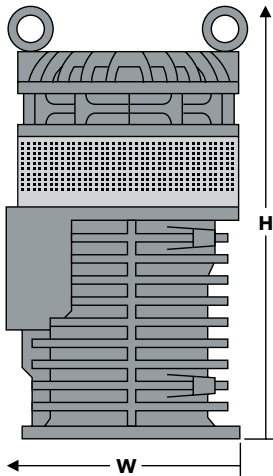
BS 2290



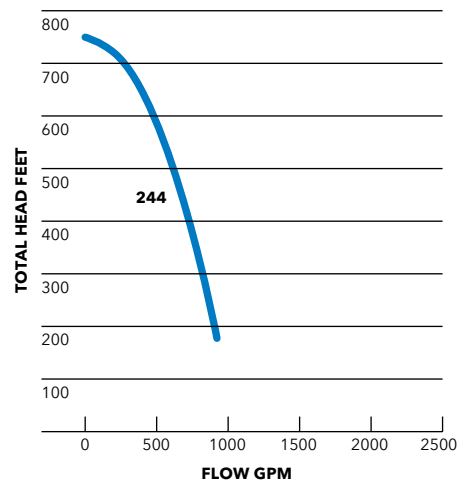
Model number: 2290.010
 Motor rating: 110HP@1775RPM
 Voltage (3 ϕ): 460V 575V
 Full load amps: 131A 105A
 Versions: 6" High head
 Imp. Code 434
 8" & 10" Standard
 Imp. Code 432
 Hose connection: 6" & 8" Female NPT threaded
 10" Male NPT threaded
 Pump dimensions: 37" W (max.) x 49" H (max.)
 Max. weight (lbs.): 1190
 Description: Aluminum construction; open
 impeller, adjustable wear plate;
 rests on bottom strainer.



BS 2400 HT

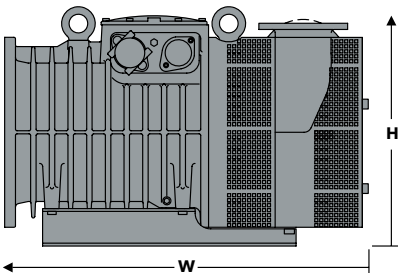


Model number: 2400.402
 Motor rating: 140HP@3560RPM
 Voltage (3 ϕ): 460V 575V
 Full load amps: 148A 118A
 Versions: 4" High head
 Imp. Code 244
 Discharge conn.: 250# Flange
 Pump dimensions: 27" W (max.) x 49" H (max.)
 Max. weight (lbs.): 1984
 Description: Cast iron construction; open (MT)
 or closed (HT) impeller, adjustable
 wear plates, strainer, rests on
 bottom.
 Options: SS impellers, SS wet end
 2400.490 MSHA approved version.

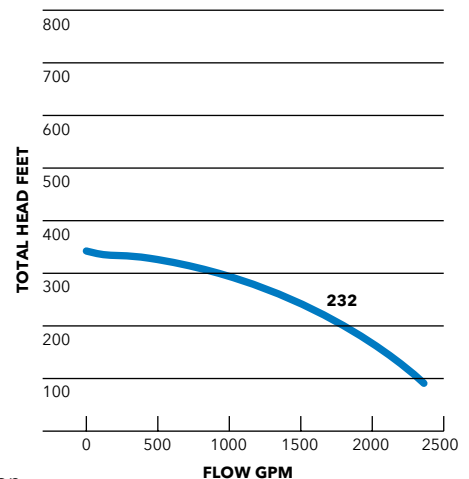


* including stand

BS 2400 MT



Model number: 2400.402
 Motor rating: 140HP@3560RPM
 Voltage (3 ϕ): 460V 575V
 Full load amps: 148A 118A
 Versions: 4" High head
 Imp. Code 244
 6" High volume
 Imp. Code 232
 Discharge conn.: 125# Flange
 Pump dimensions*: 30" W (max.) x 49" H (max.)
 Max. weight (lbs.):* 2167
 Description: Cast iron construction; open (MT)
 or closed (HT) impeller, adjustable
 wear plates, strainer, rests on
 bottom.
 Options: SS impellers, SS wet end
 2400.490 MSHA approved version.

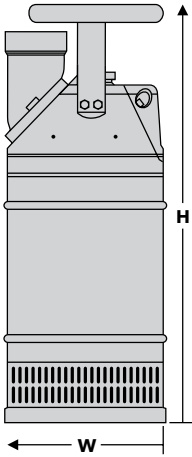


* including stand

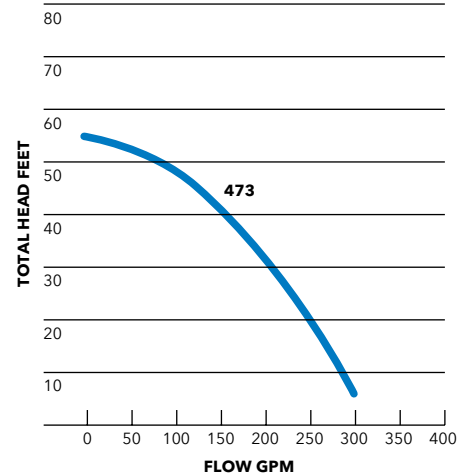
Stainless Steel 2700 Series Dewatering Pumps

The all stainless steel Flygt 2700 series handles corrosive and abrasive liquids with wide variances in pH levels. These pumps are built to tackle the toughest dewatering challenges. These drainage pumps can handle lightly contaminated liquids. Ideal for pH values between 2 and 10, these pumps are tough enough to handle both highly acidic and highly alkaline media.

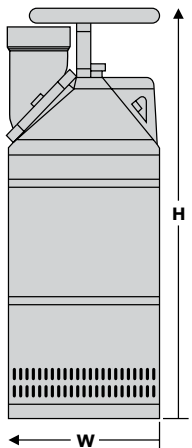
BS 2720 (SS)



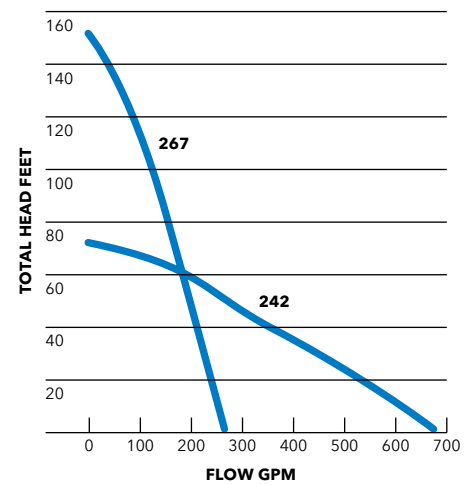
Model number: 2720.390
 Motor rating: 3.1HP@3315RPM
 Voltage (3Ø): 230V 460V 575V
 Full load amps: 8.5 4.2 3.4
 Versions: 3" Standard
 Imp. Code 242
 Discharge conn.: Male NPT
 Pump dimensions: 9³/₈" W x 23³/₄" H
 Max. weight (lbs.): 97
 Description: Stainless steel construction; open impeller; rests on bottom strainer.



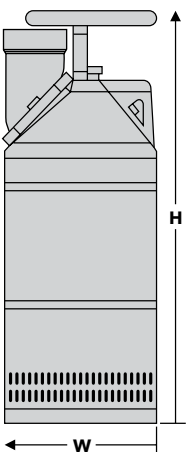
BS 2740 (SS)



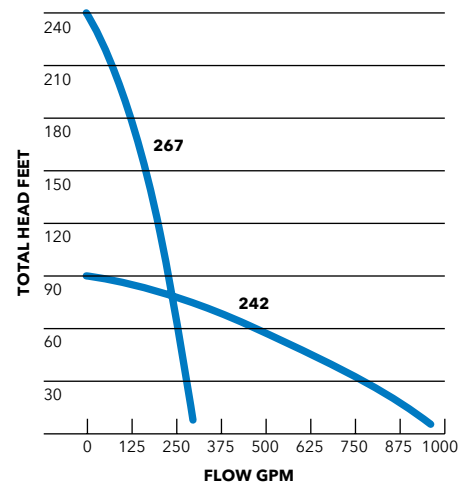
Model number: 2740.390
 Motor rating: 9 HP@3455 RPM
 Voltage (3Ø): 230V 460V 575V
 Full load amps: 21A 11A 8.6A
 Versions: 3" High head
 Imp. Code 267
 4" Standard
 Imp. Code 242
 Hose connection: Male NPT
 Pump dimensions: 11" W (max.) x 28³/₄" H (max.)
 Max. weight (lbs.): 165
 Description: Stainless steel construction; open impellers; rests on bottom strainer.



BS 2750 (SS)



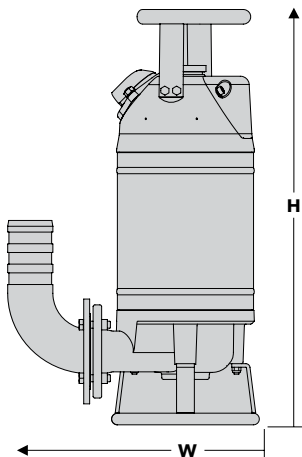
Model number: 2750.390
 Motor rating: 13 HP@3455 RPM
 Voltage (3Ø): 230V 460V 575V
 Full load amps: 31A 15A 12A
 Versions: 3" High head
 Imp. Code 267
 4" Standard
 Imp. Code 242
 Hose connection: Male NPT
 Pump dimensions: 11" W (max.) x 31" H (max.)
 Max. weight (lbs.): 198
 Description: Stainless steel construction; open impellers; rests on bottom strainer.



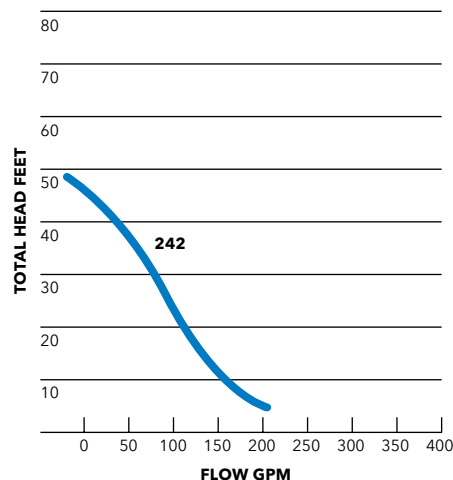
Stainless Steel 2700 Series Sludge Pumps

VORTEX IMPELLERS

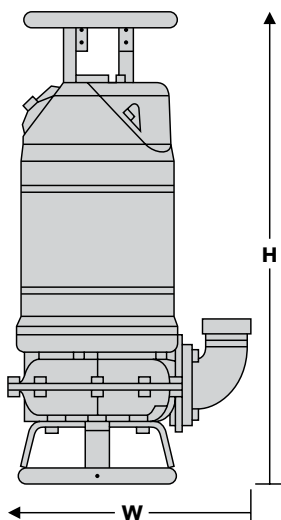
DS 2720 (SS)



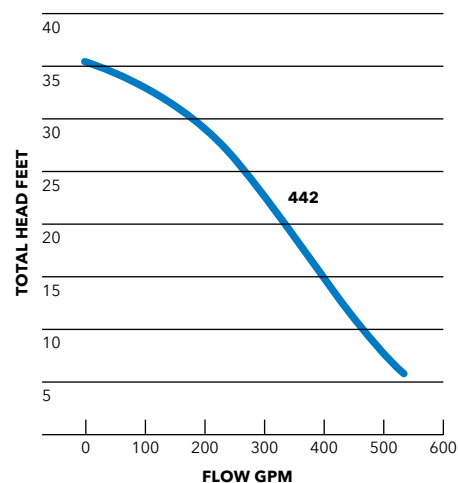
Model number: 2720.280
 Motor rating: 3.1HP@3315RPM
 Voltage (3ø): 230V 460V 575V
 Full load amps: 8.5 4.2 3.4
 Versions: 3" Standard
 Imp. Code 242
 Hose connection: Standard
 Pump dimensions: 16 1/2' W x 28 H
 Max. weight (lbs.): 111
 Description: Stainless steel construction; open impeller; rests on bottom strainer.



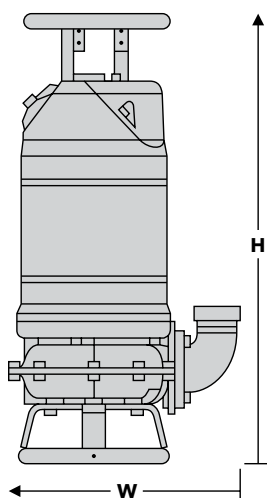
DS 2730 (SS)



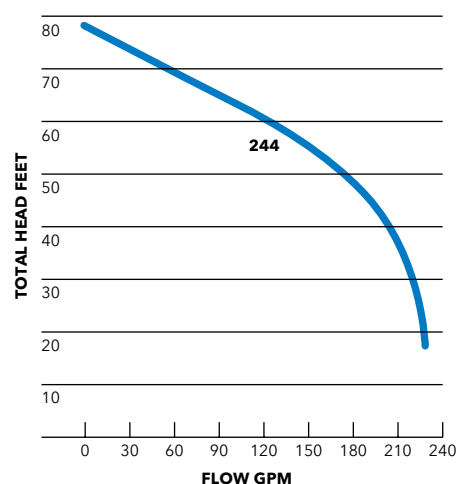
Model number: 2730.280
 Motor rating: 6.8HP@1675 RPM
 Voltage (3ø): 230V 460V 575V
 Full load amps: 18A 9A 7.3A
 Versions: 4" Standard
 Imp. Code 442
 Hose connection: Male NPT
 Pump dimensions: 16 1/2" W (max.) x 28 3/8" H (max.)
 Max. weight (lbs.): 209
 Description: Stainless steel construction; vortex impeller; rests on bottom stand.



DS 2740 (SS)



Model number: 2740.280
 Motor rating: 9 HP@3455 RPM
 Voltage (3ø): 230V 460V 575V
 Full load amps: 21A 11A 8.6A
 Versions: 3" High head
 Imp. Code 244
 Hose connection: Male NPT
 Pump dimensions: 16 1/2" W (max.) x 28 3/8" H (max.)
 Max. weight (lbs.): 209
 Description: Stainless steel construction; vortex impeller; rests on bottom stand.



Flygt 3000 Series

Better heat transfer

Our specially designed and manufactured motor provides enhanced cooling because heat losses are concentrated around the stator. Trickle impregnated in resin (Class H insulation), the stator windings are rated at 180°C (355°F) and enable up to 30 starts per hour.

Efficient cooling

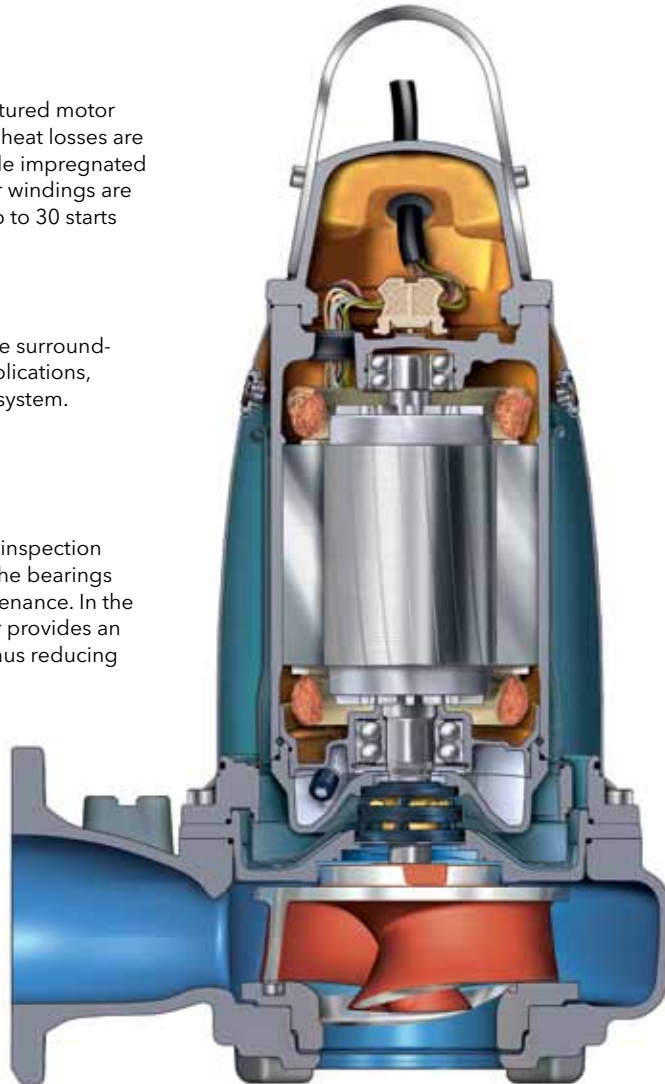
These pumps are cooled either by the surrounding liquid or, in more demanding applications, with an internal closed-loop cooling system.

Inspection chamber

To increase operational reliability, an inspection chamber between the seal unit and the bearings enables rapid spot checks and maintenance. In the case of a seal failure, a built-in sensor provides an early warning of any fluid build-up, thus reducing the risk of expensive repair work.

Compliance

Each pump is tested and approved in accordance with national and international standards, including IEC 34-1 and CSA. Pumps are available in explosion-proof versions for use in hazardous environments, and are approved by the Factory Mutual, European Standard and IEC.



Cable entry

Water-resistant cable entry provides both sealing and strain relief functions to ensure a safe installation.

Sensors

Thermal sensors embedded in the stator windings prevent overheating, and a leakage sensor in the inspection chamber minimizes the risk for bearing and stator failure.

Long-life bearings

Durable bearings provide a minimum service life of 50,000 hours.

Enduring seals

The Flygt Plug-in™ seal with the Active Seal™ system offers increased sealing reliability and zero leakage into the motor, thereby reducing the risk of bearing and stator failure.

Flygt Plug-in™ seal with Active Seal™ system



Inner seal with laser-cut spiral grooves.



The Flygt Plug-in™ seal is a seal unit that eliminates the risks associated with incorrect installation and careless handling. It comprises the Active Seal™ system in one easy-to-handle unit.

The Active Seal™ system is a patented zero-leakage double-seal system that actively prevents liquid from entering the motor cavity, thereby reducing the risk for bearing and stator failure. It comprises a unique inner seal that acts as a micro-pump and an outer seal that prevents leakage

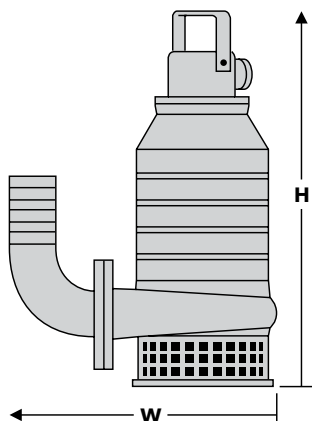
of pumped media into the buffer chamber.

Laser-cut grooves on the inner seal create a hydrodynamic pumping effect that prevents any leakage from entering the motor.

This translates into enhanced sealing reliability, reduced downtime and fewer unscheduled maintenance checks. In addition, regular service inspections can be prolonged in many applications.

Stainless Steel 3000 Series Sludge and Solids-Handling Sewage Pumps

CS/DS 3060 (SS)



Model number: 3060.390
 Motor rating: 1ø: 2.5 HP @ 3400 RPM
 3ø: 3.7 HP @ 3300 RPM

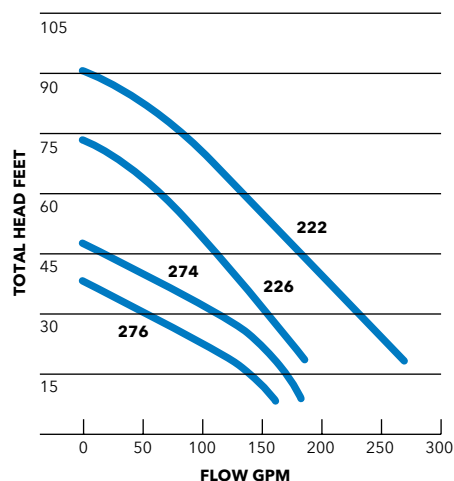
Voltage (1ø): 230V
 Full load amps: 11A

Voltage (3ø): 200V 230V 460V 575V
 Full load amps: 10.8A 9.4A 4.7A 3.8A

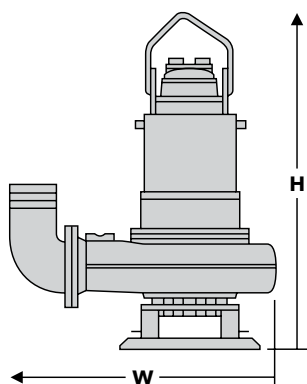
Versions: CS: 3" Standard
 Imp. Code 226 (1ø), 222 (3ø)
 DS: 3" Vortex
 Imp. Code 276 (1ø), 274 (3ø)

Hose connection: Slip-on
 Pump dimensions: 16 1/2" W (max.) x 23 1/2" H (max.)
 Max. weight (lbs.): 95

Description: CS/DS: Stainless steel construction; rests on bottom strainer. CS: Open impeller, with diffuser. DS: Vortex type impeller.



CS 3201 (SS)



Model number: 3201.280
 Motor rating: 30 HP @ 860 RPM
 35 HP @ 1170 RPM
 47 HP @ 1760 RPM

Voltage (3ø): 230V
 Full load amps: 82/94/116A

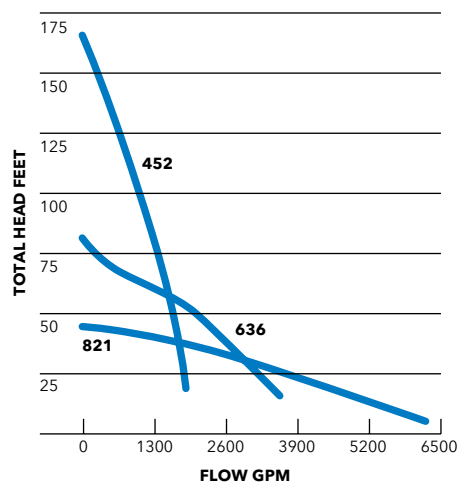
Voltage (3ø): 460V 575V
 Full load amps: 41/47/58A 33/38/46A

Versions: 6" High hd., Imp. Code 452 (47 HP)
 8" Std., Imp. Code 636 (35 HP)
 10" High volume
 Imp. Code 821 (30 HP)

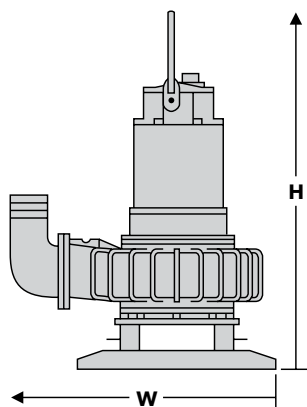
Hose connection: Slip-on
 Pump dimensions: 56" W (max.) x 63" H (max.)
 Max. weight (lbs.): 1600

Description: Stainless steel construction; closed, solids handling impeller, wear rings; rests on bottom stand.

Options: Explosion proof (FM approved) variant 3201.290



CS 3300 (SS)



Model number: 3300.280
 Motor rating: 60 HP @ 1170 RPM & 875 RPM
 45 HP @ 875 RPM
 77, 88 HP @ 1170 RPM

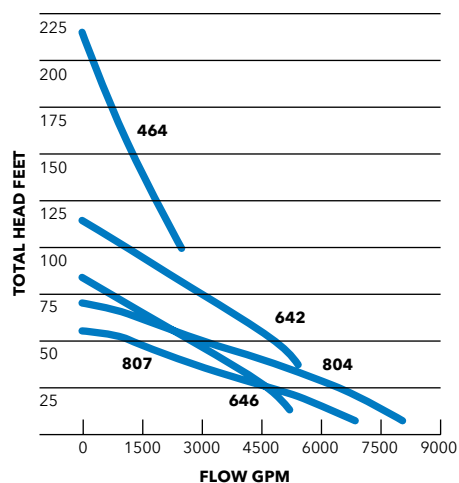
Voltage (3ø, 60 HP): 460V 575V
 Full load amps: 73/80A 58/65A

Voltage (3ø, 45/77/88 HP): 460V 575V
 Full load amps: 60/91/108A 48/73/86A

Versions: 6" High hd., Imp. Code 464 (88 HP)
 8" Standard
 Imp. Code 646 (60 HP), 642 (77 HP)
 10" High volume
 Imp. Code 807 (45 HP), 804 (60 HP)

Hose connection: Slip-on
 Pump dimensions: 56 3/4" W (max.) x 75 3/4" H (max.)
 Max. weight (lbs.): 2590

Description: Stainless steel construction; closed, solids handling impeller, wear rings; rests on bottom stand.

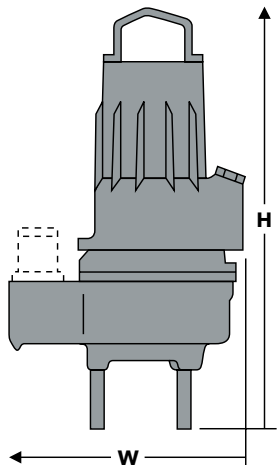


3000 Series Solids-Handling Sewage Pumps

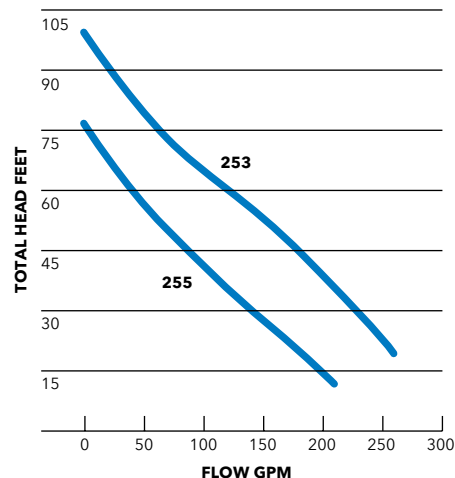
CLOSED IMPELLERS

CS models feature closed wastewater impellers designed for pumping typical wastewater solids as found in many sewage applications. Usually, a stationary brass or nitrile rubber wear ring is set into the volute bottom, surrounding the lower part of the impeller, to prevent wear and maintain hydraulic efficiency. Larger models may also utilize a stainless steel rotating ring, tightly fitted around the lower part of the impeller, to further reduce wear.

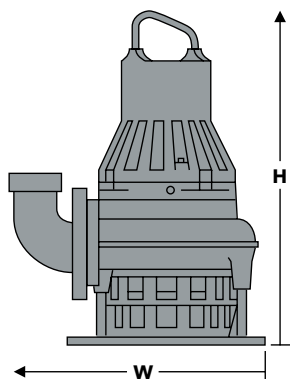
CF/CS 3068



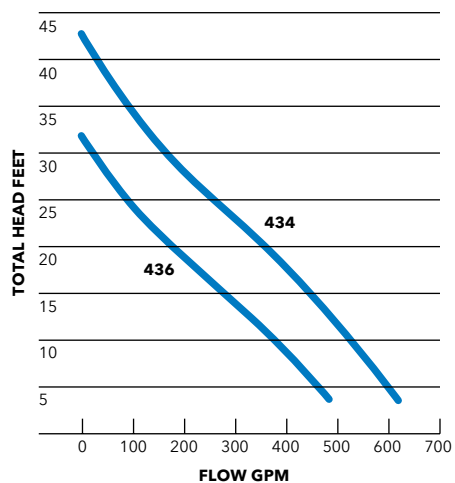
Model number: 3068.180
 Motor rating: 1ø: 2.3 HP@3300 RPM
 3ø: 2.7, 3.8 HP@3300 RPM
 Voltage (1ø): 230V
 Full load amps: 10A
 Voltage (3ø): 200V 230V
 Full load amps: 8.5/12A 7.5/10.4A
 460V 575V
 3.7/5.2A 2.9/4A
 Versions: 2" High head
 Imp. Code 255 (1ø), 253 (3ø)
 Hose connection: Female NPT, Slip-on (optional)
 Pump dimensions: 14 1/8" W (max.) x 22 3/8" H (max.)
 Max. weight (lbs.): 84
 Description: Cast iron construction; closed solids handling impeller with thrulet, rests on legs or stand.
 Options: Explosion proof (FM approved) variant 3068.090



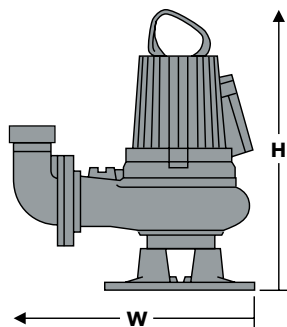
CS 3085



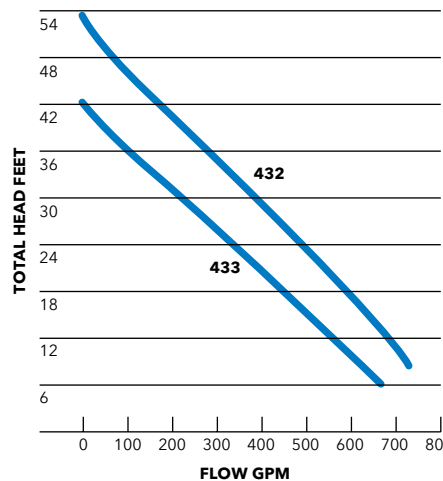
Model number: 3085.183
 Motor rating: 1ø: 2.4 HP@1750 RPM
 3ø: 2.2, 3 HP@1750 RPM
 Voltage (1ø): 230V
 Full load amps: 10A
 Voltage (3ø): 200V 230V
 Full load amps: 7.8/10A 6.7/9A
 460V 575V
 3.4/4.5A 2.7/3.6A
 Versions: 3" Std., Imp. Code 436 (1ø, 3ø)
 434 (3ø, 3HP only)
 Hose connection: NPSM threaded, or slip-on
 Pump dimensions: 19" W (max.) x 23 3/4" H (max.)
 Max. weight (lbs.): 175
 Description: Cast iron construction; closed solids handling impeller with thrulet, wear ring; rests on stand.
 Options: Explosion proof (FM approved) variant 3085.092
 Warm liquid versions available



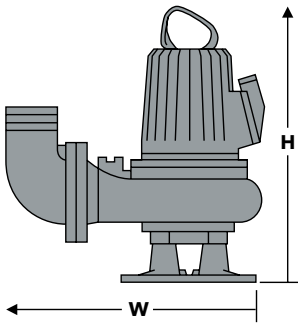
CS 3102



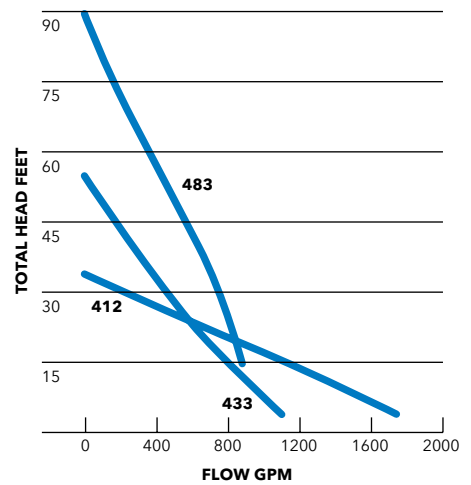
Model number: 3102.181
 Motor rating: 1ø: 3.9 HP@1730 RPM
 3ø: 5 HP@1730 RPM
 Voltage (1ø): 230V
 Full load amps: 16A
 Voltage (3ø): 200V 230V 460V 575V
 Full load amps: 15A 13A 6.6A 5.3A
 Versions: 4" Standard
 Imp. Code 433 (1ø, 3ø), 432 (3ø)
 Hose connection: NPSM threaded, or slip-on
 Pump dimensions: 24" W (max.) x 27 3/4" H (max.)
 Max. weight (lbs.): 245
 Description: Cast iron construction; closed solids handling impeller with thrulet, wear ring; rests on stand.
 Options: Explosion proof (FM approved) variant 3102.090
 Warm liquid version available



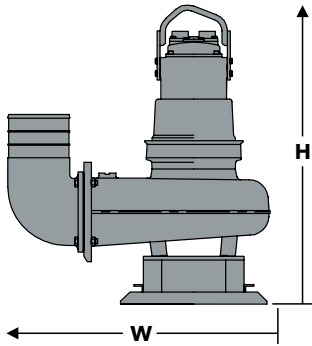
CS 3127



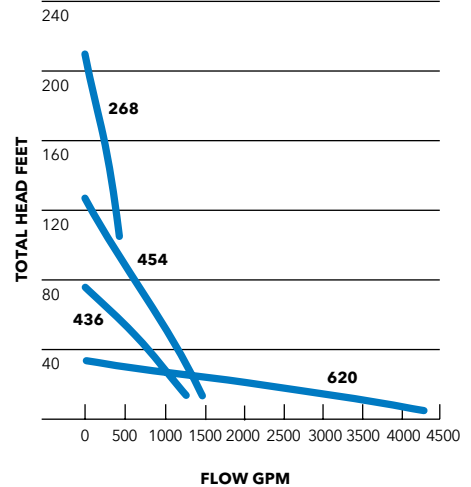
Model number: 3127.182
 Motor rating: 1 ϕ : 7.5HP@1730 RPM
 3 ϕ : 10HP@1730 RPM
 Voltage (1 ϕ): 230V
 Full load amps: 30A
 Voltage (3 ϕ): 200V 230V 460V 575V
 Full load amps: 29A 26A 13A 10A
 Versions: 4" High head
 Imp. Code 462 (1 ϕ), 483 (3 ϕ)
 6" Std., Imp. Code 433 (1 ϕ), 432 (3 ϕ)
 8" Std., Imp. Code 412 (1 ϕ), 411 (3 ϕ)
 Hose connection: 4" & 6" NPSM threaded, or
 4", 6" & 8" slip-on
 Pump dimensions: 31 1/2" W (max.) x 30 3/4" H (max.)
 Max. weight (lbs.): 400
 Description: Cast iron construction; closed
 solids handling impeller with
 thrulet, wear ring; rests on stand.
 Options: Explosion proof (FM approved)
 variant 3127.091
 Warm liquid version available



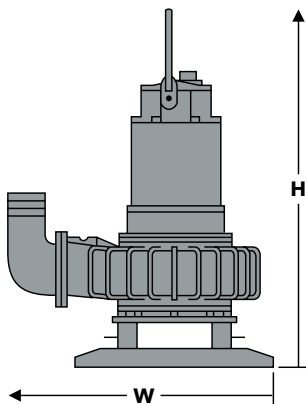
CS3152



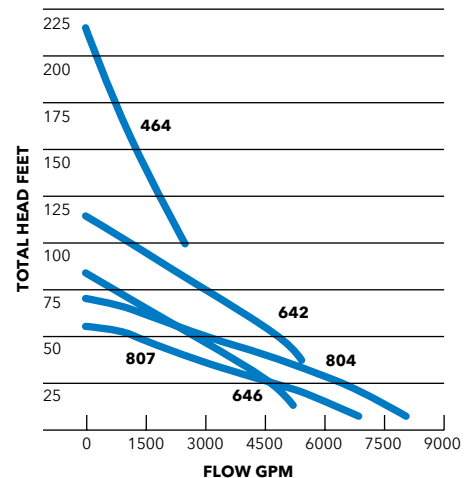
Model number: 3152.181
 Motor rating: 14HP @ 1160 RPM
 15HP @ 1745 RPM
 20HP @ 1750 RPM
 23HP @ 3500 RPM
 Voltage (3 ϕ , 14 / 15HP): 200V 230V 460V 575V
 Full load amps: 41/45 37/39 18/20 14/16
 Voltage (3 ϕ , 20 / 23HP): 200V 230V 460V 575V
 Full load amps: 58/61 51/53 26/26 20/21
 Versions: 4" High head
 Imp. Code 454 (20HP), 268 (SH, 23HP)
 6" Standard, Imp. Code 436 (15HP)
 10" High Volume, Imp. Code 620 (14HP)
 Hose connection: 4" & 6" NPSM threaded, or
 4", 6" & 8" slip-on
 Pump dimensions: 42" W (max.) x 48-1/4" H (max.)
 Max. weight (lbs.): 940
 Description: Cast iron construction; closed
 solids handling impeller with
 thrulet, wear ring; rests on stand.
 Options: Explosion proof (FM approved)
 variant 3127.091
 Warm liquid version available



CS 3300



Model number: 3300.181
 Motor rating: 60HP@1170 RPM & 875 RPM
 45 HP@875 RPM
 75 HP, 88 HP@1170 RPM
 Voltage (3 ϕ , 60HP): 460V 575V
 Full load amps: 73/80A 58/65A
 Voltage (3 ϕ , 45/75/88 HP): 460V 575V
 Full load amps: 60/91/108A 48/73/86A
 Versions: 6" High head, Imp. Code 464 (88 HP)
 8" Standard
 Imp. Code 646 (60HP), 642 (75 HP)
 10" High volume
 Imp. Code 807 (45HP), 804 (60HP)
 Hose connection: Slip-on
 Pump dimensions: 66" W (max.) x 75 3/4" H (max.)
 Max. weight (lbs.): 1915
 Description: Cast iron construction; closed
 solids handling impeller with
 thrulet, wear ring; rests on stand.
 Options: Explosion proof (FM approved)
 variant 3300.091

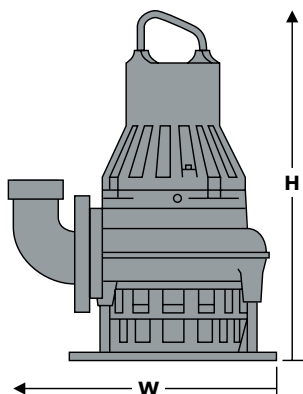


3000 Series N-Pump Sewage Pumps

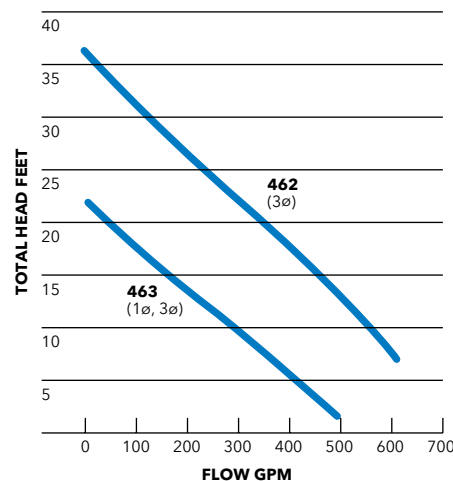
N-IMPELLERS

These pumps are equipped with Flygt's innovative "self-cleaning" N-impeller. The open impeller works with a special relief groove at the bottom of the volute to continually keep it free from solids build-up. This proven design not only reduces clogging but also ensures continued long-term efficiencies, which significantly reduce electrical operating costs. An excellent choice where troublesome solids are present in the water to be pumped.

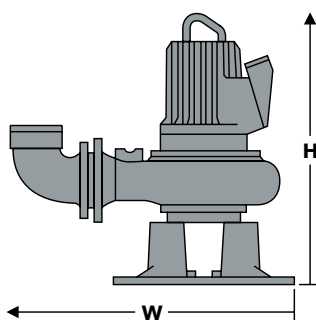
NS 3085



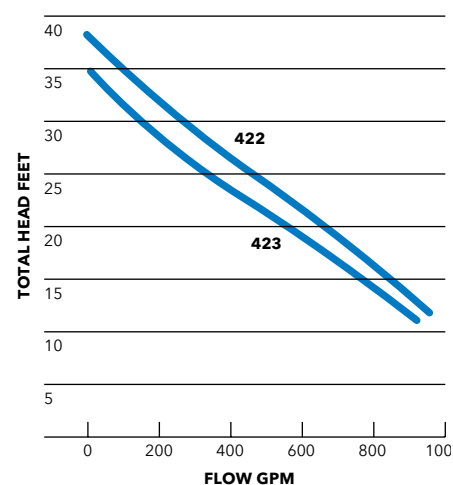
Model number: 3085.183
 Motor rating: 1 ϕ : 2.4 HP@1750 RPM
 3 ϕ : 2.2, 3 HP@1750 RPM
 Voltage (1 ϕ): 230V
 Full load amps: 10A
 Voltage (3 ϕ): 200V 230V
 Full load amps: 7.8/10A 6.7/9A
 460V 575V
 3.4/4.5A 2.7/3.6A
 Versions: 3" Standard
 Imp. Code 463 (1 ϕ , 3 ϕ), 462 (3 ϕ)
 Hose connection: NPSM threaded, or slip-on
 Pump dimensions: 17³/₄" W (max.) x 24¹/₄" H (max.)
 Max. weight (lbs.): 175
 Description: Cast iron construction; semi-open, backswept multi-vane, self-cleaning impeller; rests on stand.
 Options: Explosion proof (FM approved) variant 3085.092
 Warm liquid version available



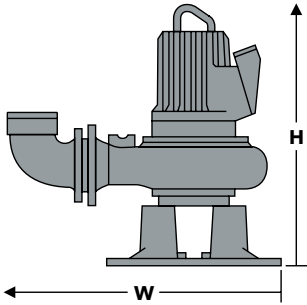
NS 3102



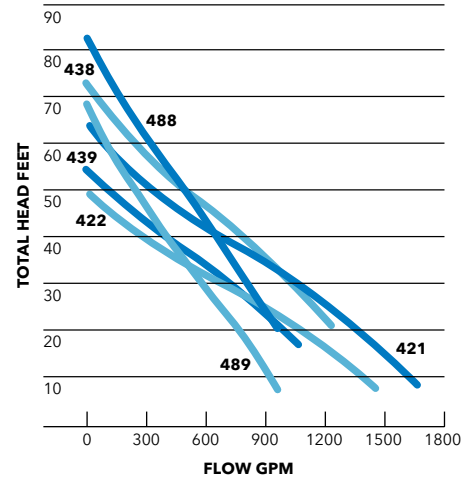
Model number: 3102.181
 Motor rating: 5 HP@1730 RPM
 Voltage (3 ϕ): 200V 230V 460V 575V
 Full load amps: 15A 13A 6.6A 5.3A
 Versions: 4" & 6" High volume
 Imp. Code 422, 423
 Hose connection: NPSM threaded, or slip-on
 Pump dimensions: 27" W (max.) x 28¹/₂" H (max.)
 Max. weight (lbs.): 118
 Description: Cast iron construction; semi-open, backswept multi-vane, self-cleaning impeller; rests on stand.
 Options: Explosion proof (FM approved) variant 3102.090
 Warm liquid version available



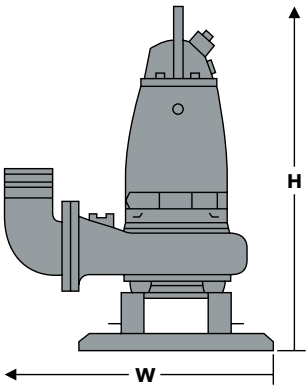
NS 3127



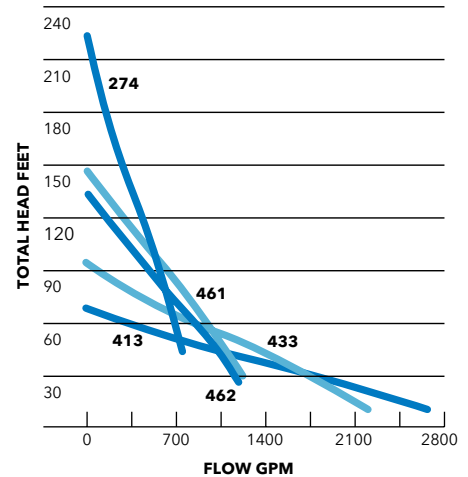
Model number: 3127.185
 Motor rating: 1ø: 7.5HP@1730 RPM
 3ø: 10HP@1740 RPM
 Voltage (1ø): 230V
 Full load amps: 30A
 Voltage (3ø): 200V 230V 460V 575V
 Full load amps: 29A 26A 13A 10A
 Versions: 4" & 8" Standard
 Imp. Code 420 (1ø), 438 (3ø)
 8" High volume
 Imp. Code 422 (1ø), 421 (3ø)
 4" High head
 Imp. Code 489 (1ø), 488 (3ø)
 Hose connection: 4" & 6" NPSM threaded, or slip-on
 4", 6" & 8" Slip-on
 Pump dimensions: 31 1/2" W (max.) x 30 3/4" H (max.)
 Max. weight (lbs.): 400
 Description: Cast iron construction; semi-open, backswept multi-vane, self-cleaning impeller; rests on stand.
 Options: Explosion proof (FM approved) variant 3127.095
 Warm liquid version available



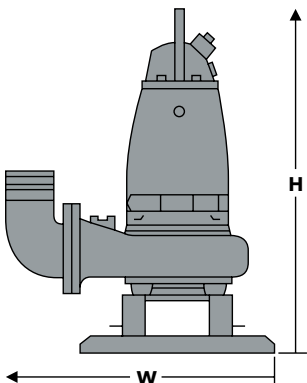
NS 3153



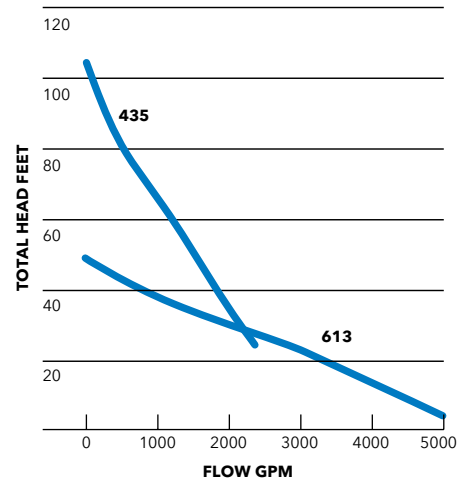
Model number: 3153.185
 Motor rating: 20HP@1755 RPM
 23HP@3510 RPM
 Voltage (3ø): 200V 230V 460V 575V
 Full load amps: 59A 52A 26A 21A
 Versions: 4" Super high head, Imp. Code 274
 4" High head, Imp. Code 461
 6" Standard, Imp. Code 433
 8" High volume, Imp. Code 413
 Hose connection: 4", 6" & 8" Slip-on
 Pump dimensions: 42" W (max.) x 47 1/4" H (max.)
 Max. weight (lbs.): 840 - High volume, 530 - Standard
 Description: Cast iron construction; semi-open, backswept multi-vane, self-cleaning impeller; rests on stand.
 Options: Explosion proof (FM approved) variant 3153.095



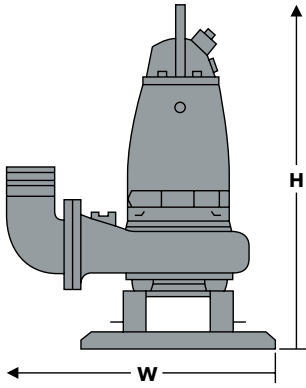
NS 3171



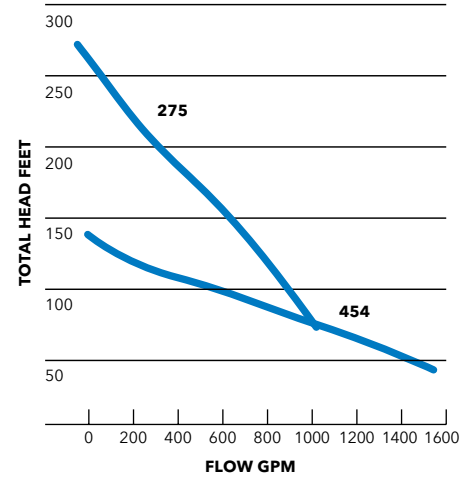
Model number: 3171.185
 Motor rating: 25HP@1160 RPM
 30HP@1740 RPM
 Voltage (3ø): 230V 460V
 Full load amps: 64/74 32/37
 575V
 25/30/31A
 Versions: 6" Standard, Imp. Code 435
 10" High volume, Imp. Code 613
 Hose connection: 6" & 10" Slip-on
 Pump dimensions: 45 1/2" W (max.) x 51 1/4" H (max.)
 Max. weight (lbs.): 1060 - High volume, 770 - Standard
 Description: Cast iron construction; semi-open, backswept multi-vane, self-cleaning impeller; rests on stand.
 Options: Explosion proof (FM approved) variant 3171.095



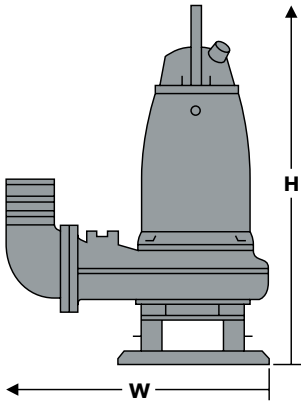
NS 3171 (Continued)



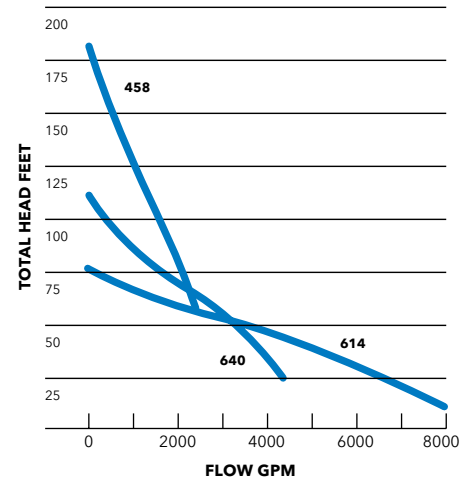
Model number: 3171.185
 Motor rating: 30 HP@1740 RPM
 34 HP@3525 RPM
 Voltage (3Ø): 230V 460V
 Full load amps: 74/79A 37/40A
 575V
 25/30/31A
 Versions: 4" Super high head
 Imp. Code 275
 4" High head
 Imp. Code 454
 Hose connection: 4", 6" & 10" Slip-on
 Pump dimensions: 45¹/₂" W (max.) x 51¹/₄" H (max.)
 Max. weight (lbs.): 1060 - High volume, 770 - Standard
 Description: Cast iron construction; semi-open,
 backswept multi-vane, self-cleaning
 impeller; rests on stand.
 Options: Explosion proof (FM approved)
 variant 3171.095



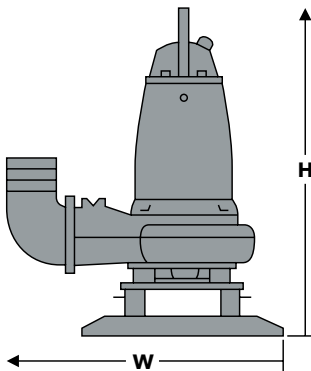
NS 3202



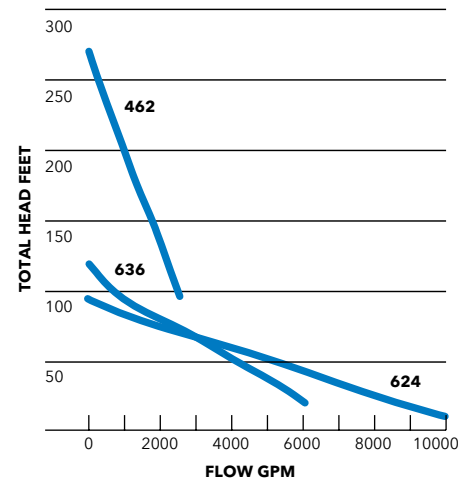
Model number: 3202.185
 Motor rating: 60 HP@1170 RPM & 1775 RPM
 70 HP@1775 RPM
 Voltage (3Ø): 460V 575V
 Full load amps: 72/68/80A 58/55/63A
 Versions: 6" High head
 Imp. Code 458
 8" Standard
 Imp. Code 640
 10" High volume
 Imp. Code 614
 Hose connection: 6", 8" & 10" Slip-on
 Pump dimensions: 52¹/₂" W (max.) x 62" H (max.)
 Max. weight (lbs.): 1985 - High volume
 1340 - Standard
 Description: Cast iron construction; semi-open,
 backswept multi-vane, self-cleaning
 impeller; rests on stand.
 Options: Explosion proof (FM approved)
 variant 3202.095



NS 3301



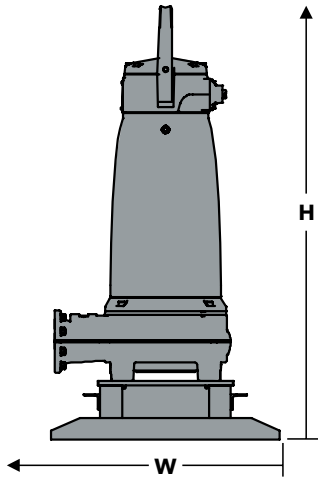
Model number: 3301.185
 Motor rating: 85 HP@1185 RPM
 105 HP@1780 RPM
 Voltage (3Ø): 460V 575V
 Full load amps: 109/121A 88/97A
 Versions: 6" High head
 Imp. Code 462
 10" Standard
 Imp. Code 636
 12" High volume
 Imp. Code 624
 Hose connection: 6", 10" & 12" Slip-on
 Pump dimensions: 56³/₄" W (max.) x 67¹/₄" H (max.)
 Max. weight (lbs.): 1985 - High volume
 1340 - Standard
 Description: Cast iron construction; semi-open,
 backswept multi-vane, self-cleaning
 impeller; rests on stand.
 Options: Explosion proof (FM approved)
 variant 3301.095



3000 Series Heavy-Duty Sewage Pumps for Rental

When higher capacity is required, these models deliver unprecedented pumping power - reliably and efficiently.

NS 3315

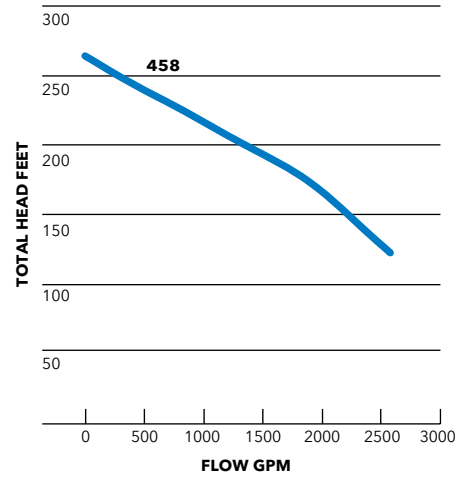


Model number: 3315.090
 Motor Rating: 160HP @ 1780 RPM

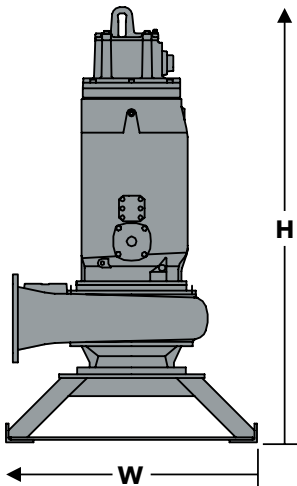
Voltage: 460V
 Full load amps: 190
 Versions: 6" High Head
 Imp. Code 458

Hose connection: NPSM threaded
 Pump dimensions: 40 1/8" W x 78 1/2" H
 Max. weight (lbs.): 2690
 Description: Cast iron construction;
 semi-open, backswept
 multi-vane, self-cleaning
 impeller; rests on bottom stand.

Options: Explosion proof (FM approved)



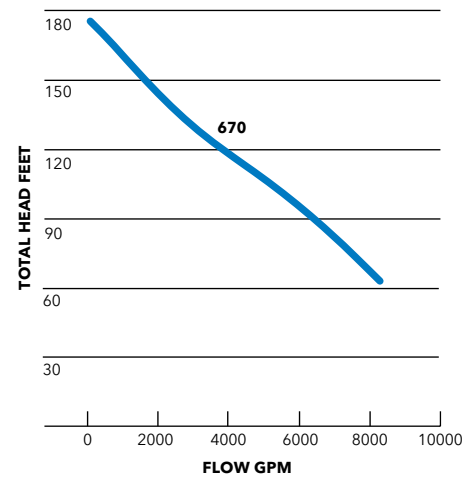
NS 3312



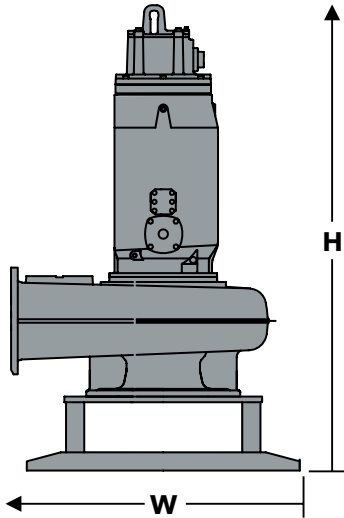
Model number: 3312/746
 Motor Rating: 215HP @ 1185 RPM

Voltage: 460V
 Full load amps: 254
 Versions: 12" Standard
 Imp. Code 670 (455mm trim)

Hose connection: ANSI Flange
 Pump dimensions: 52 5/8" W x 93 3/4" H
 Max. weight (lbs.): 5126
 Description: Cast iron construction;
 semi-open, backswept
 multi-vane, self-cleaning
 impeller; rests on bottom stand.



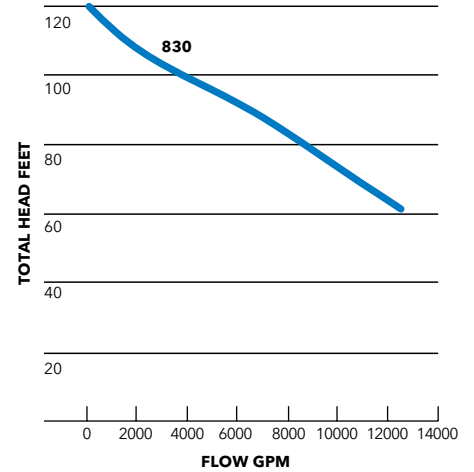
CS 3400



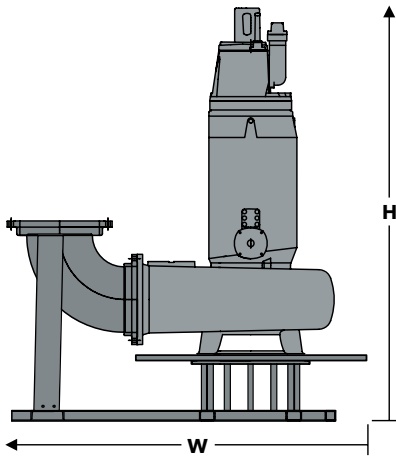
Model number: 3400/805
 Motor Rating: 240HP @ 890 RPM

Voltage: 460V
 Full load amps: 295
 Versions: 16" Standard
 Imp. Code 830
 (510mm trim)

Hose connection: ANSI Flange
 Pump dimensions: 63 1/2" W x 102 1/2" H
 Max. weight (lbs.): 6350
 Description: Cast iron construction;
 closed solids-handling
 impeller with thrulet,
 wear ring; rests on stand.



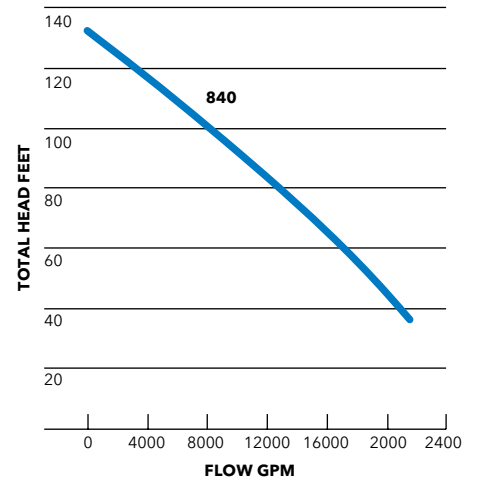
CS 3531



Model number: 3531/835
 Motor Rating: 335HP @ 890 RPM

Voltage: 460V
 Full load amps: 430
 Versions: 20" Standard
 Imp. Code 840
 (560mm trim)

Hose connection: 24" ANSI Flange Elbow
 Pump dimensions: 102" W x 132" H
 Max. weight (lbs.): 13,405 (including stand,
 elbow, vortex plate
 Description: Cast iron construction;
 closed solids-handling
 impeller with thrulet,
 wear ring; rests on stand.



Flygt 5000 Series

A chain is only as strong as its weakest link. That's why we pay attention to the details: it's only by eliminating all the weak links that we can supply pumps our customers really can rely on. Pumps that give them greater peace of mind.

The main difference between slurry and waste water pumps is in the parts that are in direct contact with the slurry and thus subject to wear by the slurry's solid particles.

Better heat transfer

Our specially designed and manufactured motor provides enhanced cooling because heat losses are concentrated around the stator. Trickle impregnated in resin (Class H insulation), the stator windings are rated at 180°C (355°F) and enable up to 30 starts per hour.

Efficient cooling

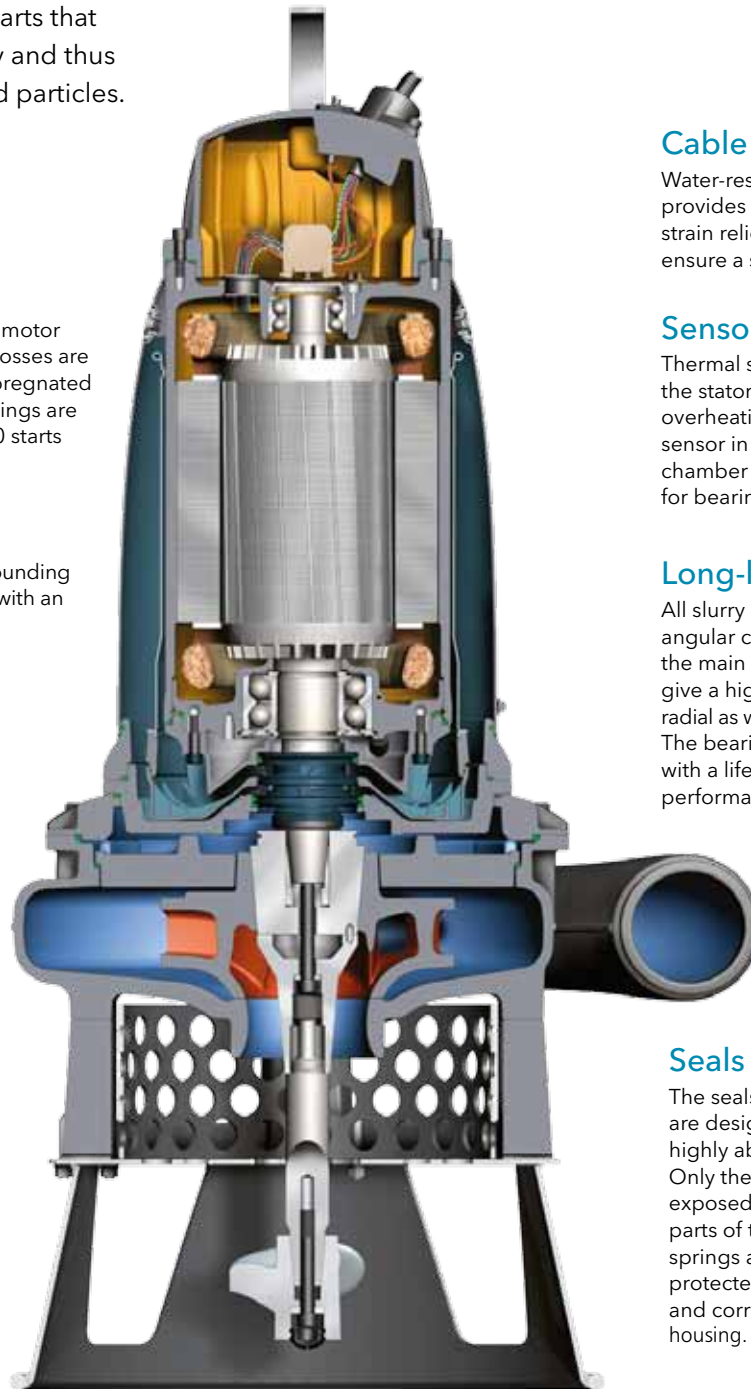
These pumps are cooled either by the surrounding liquid or, in more demanding applications, with an internal closed-loop cooling system.

Inspection chamber

To increase operational reliability, an inspection chamber between the seal unit and the bearings enables rapid spot checks and maintenance. In the case of a seal failure, a built-in sensor provides an early warning of any fluid build-up, thus reducing the risk of expensive repair work.

Agitator

The pump can be equipped with an agitator. The unique design of Flygt agitators create a strong vertical thrust, which forces settled solids into suspension. This makes the particles easier to transport and ensures a cleaner sump at the end of the pumping cycle. When pumping coarse slurries, an agitator mounted on the pump shaft resuspends settled particles and makes them possible to transport.



Cable entry

Water-resistant cable entry provides both sealing and strain relief functions to ensure a safe installation.

Sensors

Thermal sensors embedded in the stator windings prevent overheating, and a leakage sensor in the inspection chamber minimizes the risk for bearing and stator failure.

Long-life bearings

All slurry pumps have two row angular contact ball bearings as the main bearing, because they give a high load capability in the radial as well as the axial direction. The bearings are well protected with a lifetime lubrication of high performance grease.

Seals

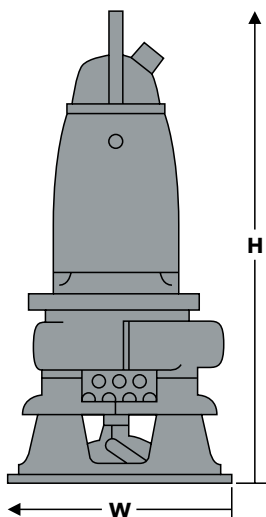
The seals for the slurry pumps are designed to cope with highly abrasive pump media. Only the seal rings are exposed to the media. Other parts of the seal, such as springs and torque locks are protected from wear, clogging and corrosion inside the seal housing.

Flygt 5150-series submersible pump equipped with agitator

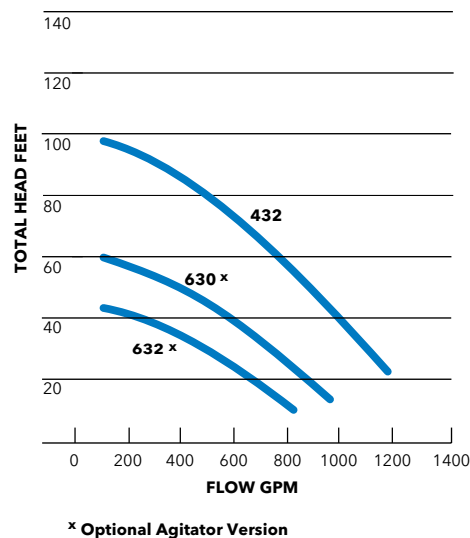
5000 Series Heavy-Duty Slurry Pumps

HS 5100/5500 series pumps will easily handle extremely abrasive slurries containing sand, gravel, grit or ash, without damage. Both the impeller and pump casing are made of high chrome alloyed cast iron, for maximum abrasion resistance. The HS 5100 series pumps use a one-piece pump casing, while the HS 5500 series have a replaceable liner of high chrome alloyed cast iron. Heavy-duty mechanical seals are protected by a unique expeller and pressure isolation chamber. The optional agitator, when attached to the shaft, resuspends particles around the pump inlet.

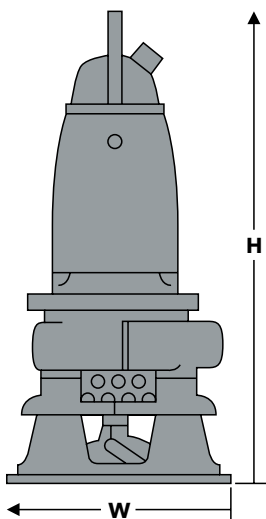
HS 5100.211



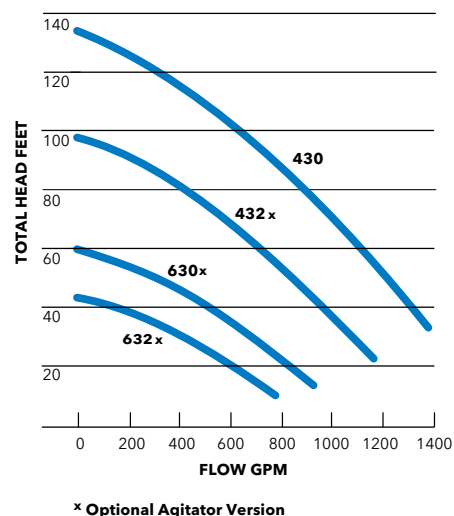
Model number: 5100.211
 Motor rating: 15 HP@1150 RPM
 20 HP@1755 RPM
 Voltage (3 ϕ): 230V
 Full load amps: 46/52A
 460V 575V
 22/26A 17/21A
 Versions: 4" Std., Imp.
 4" High vol., Imp.
 Discharge conn: 4" Victaulic
 Pump dimensions: 23 1/2" W (max.),
 45 1/4" H (max.)
 Max. weight (lbs.): 555
 Description: Cast iron construction with high chrome volute; high chrome multi-vane closed impeller; rests on stand.
 Options: Agitator;
 Explosion proof (FM approved) variant 5100.221



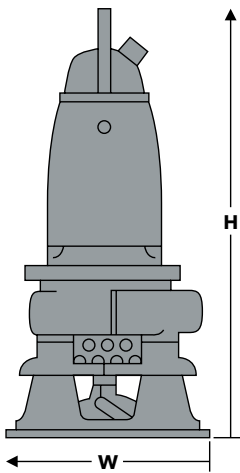
HS 5100.251



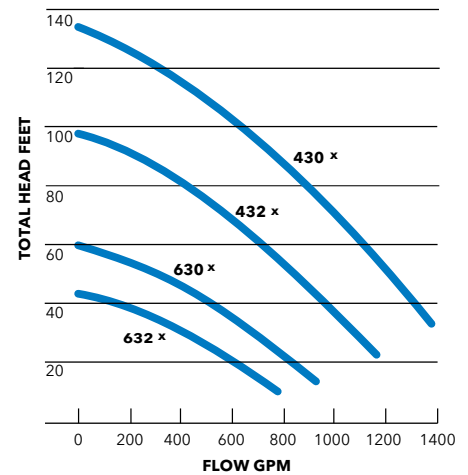
Model number: 5100.251
 Motor rating: 25 HP@1160 RPM
 34 HP@1760 RPM
 Voltage (3 ϕ): 230V
 Full load amps: 64/81A
 460V 575V
 32/40A 25/32A
 Versions: 4" Std., Imp.
 4" High vol., Imp.
 Discharge conn: 4" Victaulic
 Pump dimensions: 23 1/2" W (max.),
 50 1/4" H (max.)
 Max. weight (lbs.): 710
 Description: Cast iron construction with high chrome volute; high chrome multi-vane closed impeller; rests on stand.
 Options: Agitator;
 Explosion proof (FM approved) variant 5100.261



HS 5100.300

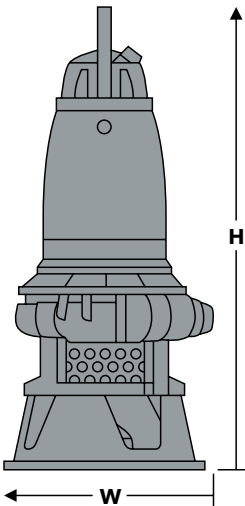


Model number: 5100.300
 Motor rating: 45HP@1170 RPM
 70HP@1775 RPM
 Voltage (3Ø): 460V 575V
 Full load amps: 55/72/80A 44/58/63A
 Versions: 4" Standard
 Imp. Code 430, 432
 4" High volume
 Imp. Code 630, 632
 Discharge conn: 4" Victaulic
 Pump dimensions: 23 1/2" W (max.),
 57 3/4" H (max.)
 Max. weight (lbs.): 1095
 Description: Cast iron construction with high
 chrome volute; high chrome
 multi-vane closed impeller; rests
 on stand.
 Options: Agitator;
 Explosion proof (FM approved)
 variant 5100.310

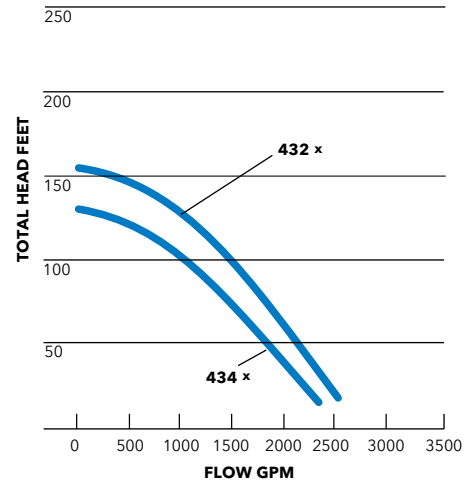


* Optional Agitator Version

HS 5150.300

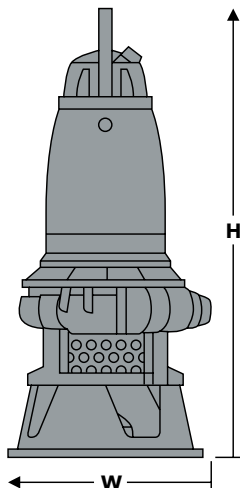


Model number: 5150.300
 Motor rating: 60HP@1775 RPM
 Voltage (3Ø): 460V 575V
 Full load amps: 68/80A 55/63A
 Versions: 6" Standard
 Imp. Code 432, 434
 Discharge conn: 6" Victaulic
 Pump dimensions: 34 1/2" W (max.),
 65 1/4" H (max.)
 Max. weight (lbs.): 1465
 Description: Cast iron construction with high
 chrome volute; high chrome
 multi-vane closed impeller; rests
 on stand.
 Options: Agitator;
 Explosion proof (FM approved)
 variant 5150.310

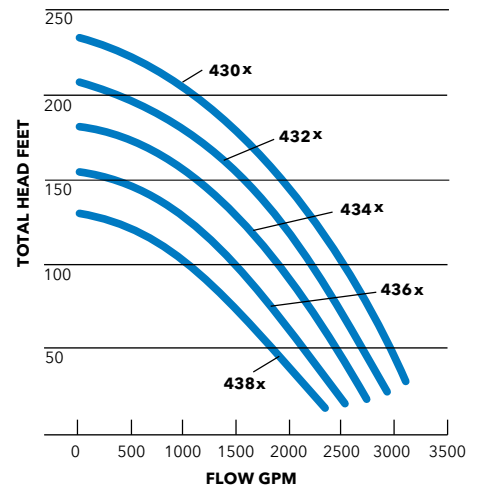


* Optional Agitator Version

HS 5150.350

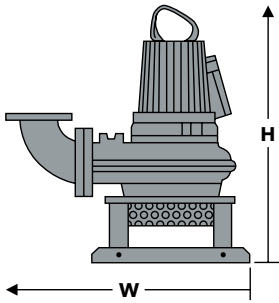


Model number: 5150.350
 Motor rating: 85HP@1775 RPM
 Voltage (3Ø): 460V 575V
 Full load amps: 101/125A 80/101A
 Versions: 6" Standard
 Imp. Code 430, 432, 434,
 436, 438
 Discharge conn: 6" Victaulic
 Pump dimensions: 34 1/2" W (max.),
 70 1/4" H (max.)
 Max. weight (lbs.): 2005
 Description: Cast iron construction with high
 chrome volute; high chrome
 multi-vane closed impeller; rests
 on stand.
 Options: Agitator;
 Explosion proof (FM approved)
 variant 5150.360

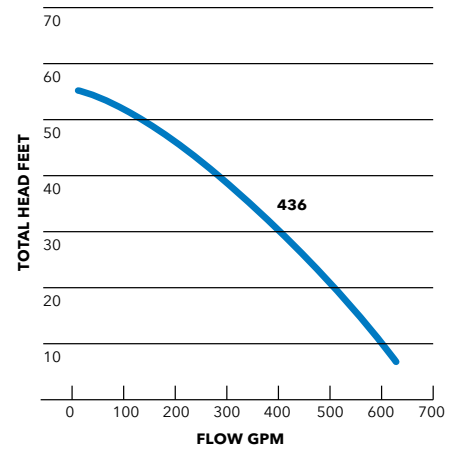


* Optional Agitator Version

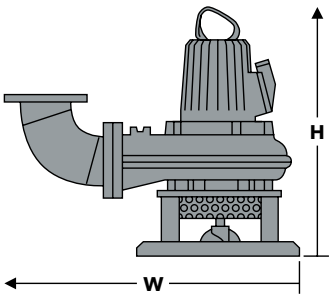
HS 5520



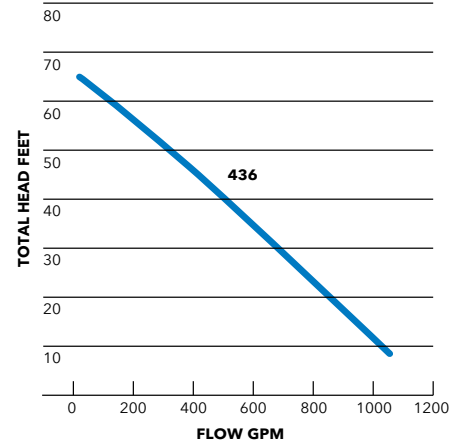
Model number: 5520.180
 Motor rating: 5 HP @ 1735 RPM
 Voltage (3 ϕ): 460V
 Full load amps: 6.6A
 Discharge conn: 4" Flange
 Impeller code: 436
 Pump dimensions: 29 1/2" W (max.),
 33 1/2" H (max.)
 Max. weight (lbs.): 380
 Stator and pump housing material: Cast iron
 Options: FM approved variant;
 Warm liquid version available



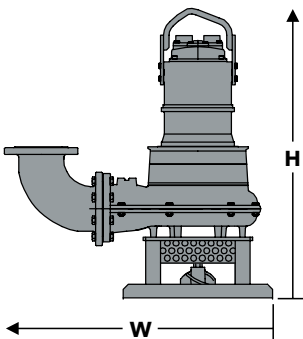
HS 5530



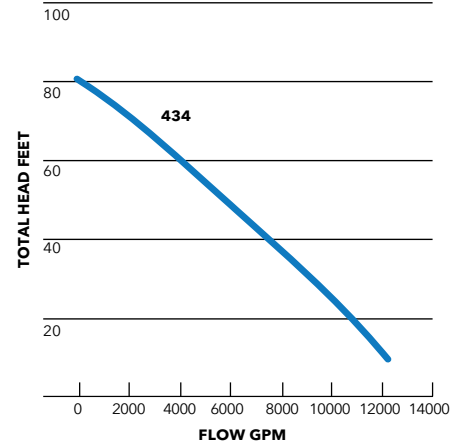
Model number: 5530.180
 Motor rating: 10 HP @ 1740 RPM
 Voltage (3 ϕ): 460V
 Full load amps: 13A
 Discharge conn: 6" Flange
 Impeller code: 436
 Pump dimensions: 42 1/2" W (max.),
 40" H (max.)
 Max. weight (lbs.): 680
 Stator and pump housing material: Cast iron
 Options: Agitator;
 FM approved variant;
 Warm liquid version available



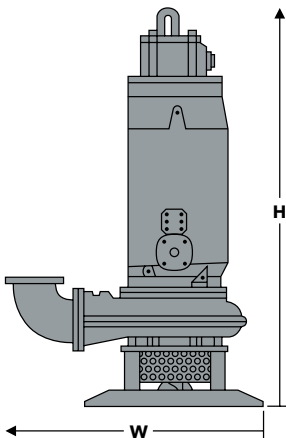
HS 5540



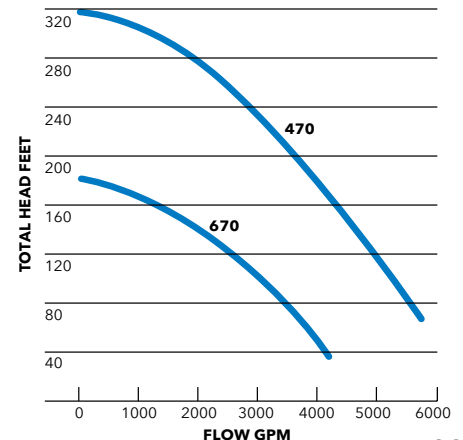
Model number: 5540.181
 Motor rating: 20 HP @ 1750 RPM
 Voltage (3 ϕ): 460V
 Full load amps: 26
 Discharge conn: 6" Flange
 Impeller code: 434
 Pump dimensions: 42 1/2" W (max.),
 46 1/4" H (max.)
 Max. weight (lbs.): 891
 Stator and pump housing material: Cast iron
 Options: Agitator (Imp. Code 435);
 FM approved variant;
 Warm liquid version available



HS 5570



Model number: 5570.180
 Motor rating: 335 HP @ 1760 RPM
 280 HP @ 1185 RPM
 Voltage (3 ϕ): 460V 575V
 Full load amps: 365/345A 300/266A
 Discharge conn: 8" Flange
 Impeller code: 470, 670
 Pump dimensions: 59" W (max.),
 80 1/4" H (max.)
 Max. weight (lbs.): 3230
 Stator and pump housing material: Cast iron
 Options: Agitator;
 FM approved variant;
 Warm liquid version available



Flygt Accessories

Automatic Level Control Systems



Xylem offers a family of automatic controls that allow unattended operation of Flygt portable pumps. They are available with either two Flygt ENM-10 level sensors or with FPC 100 controller. The FPC 100 allows for automatic pump operation without the use of floats or level sensors.

Manual Control for Medium and Large Portable Pumps



A complete range of manual controls are available for medium and large portable Flygt submersible pumps. Each NEMA 4X enclosure is equipped with the correct circuit breaker/overload for pump protection of the model involved.

Manual Control for Small Portable Pumps



These strong, rugged units provide easy manual control and full electrical protection for smaller Flygt portable submersibles. They include Flygt short-circuit and overload protection, along with starting components for single phase models, housed in a NEMA 4X watertight and corrosion resistant enclosure.

Zinc Anodes



High grade zinc anode kits are available for most Flygt submersible pumps to help protect against the damaging effects of galvanic corrosion. The anodes are easily mounted to the pump with the stainless steel hardware provided. Specify exact pump model when ordering.

Tandem Coupling Kits



Tandem coupling kits are available for most models, allowing the pump to connect in series with another Flygt submersible pump to overcome severe vertical heights. The coupling kit is easily installed after the strainer is removed, allowing the connecting hose from another pump to be attached with clamps. Consult your nearest Flygt location for pressure limitations and other application requirements.

Flygt FPC100 Automatic Pump Controller



The Flygt FPC100 Automatic Pump Controller is used primarily for dewatering pumps in construction and mining applications where ordinary level sensors are not the ideal choice. The FPC 100 offers entirely automatic pump control without the need for components built into the pump or separate level sensor arrangements.

Flygt Pump Flotation Modules



Flygt pump flotation modules (PFM) have been developed to provide a light-weight and cost-effective alternative to traditional steel pontoons. The flotation modules are prefabricated from strong polyethylene with foam filling. The pump floats close to the surface, increasing the pump's service life and reducing maintenance since the pump is no longer working in a high solids environment.

Low Suction Collar



The Flygt low suction collar removes unwanted water down to very low levels when required for emergency services. This works with pump models 2610, 2620 and 2640.