Champion Pump

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Champion Pump

Having worked for large corporations where customers and employees can get lost in the shuffle, the founders of Champion Pump had the desire to form a corporation that treats employees, vendors, and customers like partners and friends. We believe that if we take care of our customers first, everything else will take care of itself. Our goal is to be able to provide you with all of your pump requirements. If you need a pump that we do not make, we will try to find it for you.

Our goal at Champion Pump Company is to be a true CHAMPION! A true Champion is Better than the Best, Greater than the Greatest and Mightier than the Mightiest. We will provide our customers with a Champion Product, Champion Service and a Champion Attitude! Our goal is to give back to our community and to our customers, and to be partners and friends with both. Basic principles we use in our everyday business are Honesty, Integrity, Kindness, Gentleness & Self-control and we give our customers uncompromising personalized service.



PUMPS

- Sump
- Effluent
- Sewage
- Non-Clog
- Grinder
- Utility
- Battery Back-Up

BASINS

- Fiberglass
- Polyethylene
- Structural Foam

ACCESSORIES

- Control Panels
- Float Switches
- High Water Alarms
- Lift Out Systems
- Float Brackets
- SS Chain

PACKAGED LIFT STATIONS

- Simplex
- Duplex
- Specialty

MOST PUMPS THROUGH 60HP SHIP WITHIN 24 HOURS!

Champion Pump

CPS3

1/3 HP
SUMP/EFFLUENT

Every pump tested in water to ensure pump meets peformance curve.



Vertical Float | Wide-Angle Float

1/3 HP submersible pumps, built for reliability, handle up to 1/4" solids with 1-1/2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 20' TDH
- Flows up to 42 GPM

MOTOR
High efficient, 115v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Mechanical with secondary dynamic lip seal
- Provides added leakage protection

IMPELLER DESIGN
Non-clog style vortex impeller
- Designed to help reduce clogging by foreign material

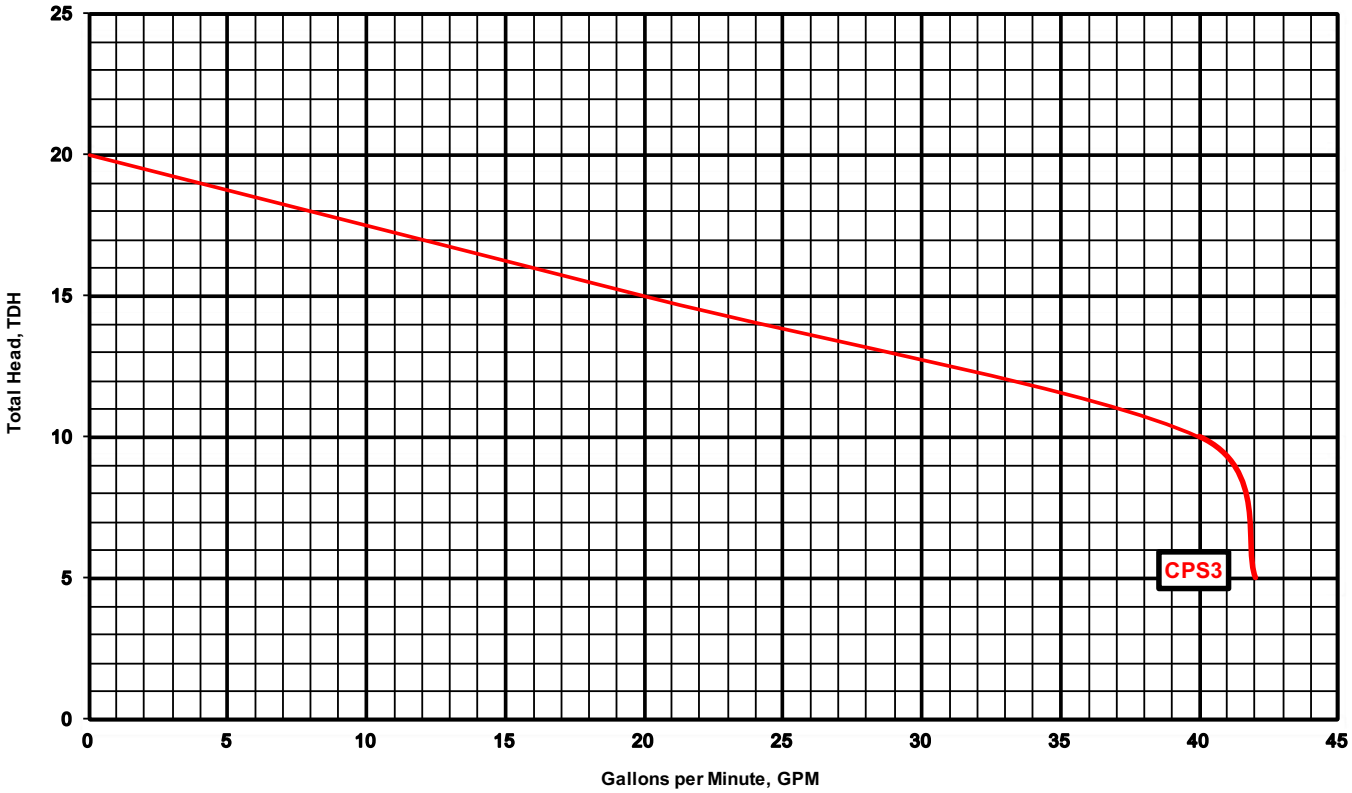
POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

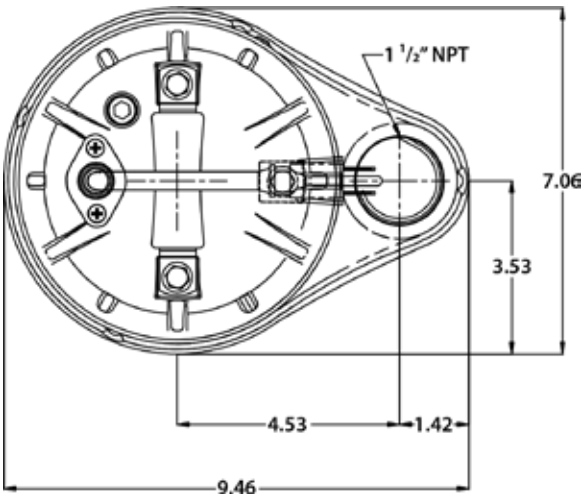
Basements, dewatering, and septic systems

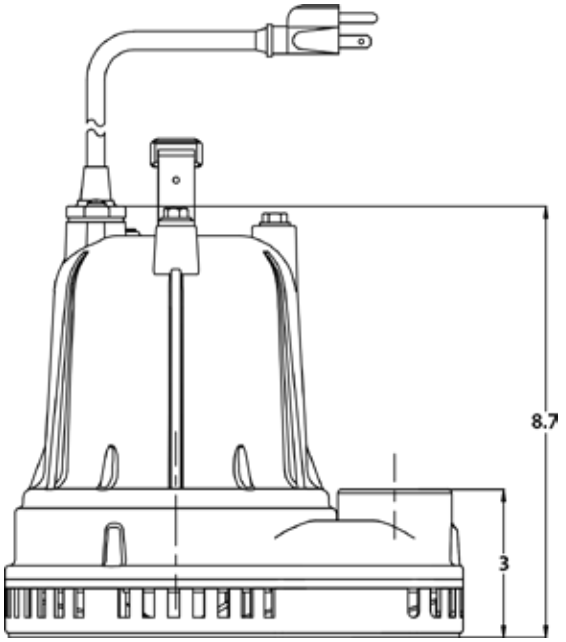
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/2" NPT. vertical standard
SOLIDS HANDLING	1/4"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Engineered glass filled thermoplastic/ Vortex
SHAFT	Nickel plated steel
SHAFT SEAL (SINGLE SEAL)	Mechanical with secondary dynamic lip seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type SJTW
MOTOR (SINGLE PHASE)	1/3 HP 1750 RPM, 60 Hz, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	25 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPS3-11	1/3	115	1	4	10'	Manual
CPS3-12	1/3	115	1	4	20'	Manual
CPS3-13	1/3	115	1	4	30'	Manual
CPS3-15	1/3	115	1	4	50'	Manual
CPS3A-11	1/3	115	1	4	10'	Wide-Angle Float
CPS3A-12	1/3	115	1	4	20'	Wide-Angle Float
CPS3A-13	1/3	115	1	4	30'	Wide-Angle Float
CPS3V-11	1/3	115	1	4	10'	Vertical Float
CPS3V-12	1/3	115	1	4	20'	Vertical Float
CPS3V-13	1/3	115	1	4	30'	Vertical Float

Champion Pump

CPS33

1/3 HP
SUMP/EFFLUENT

Every pump tested in water to ensure pump meets peformance curve.



Integrated Vertical Float



Piggy-back Wide-Angle Float

1/3 HP submersible pumps, built for reliability, that handle up to 1/4" solids and have a 1-1/2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 20' TDH
- Flows up to 42 GPM

MOTOR
High efficient, 115v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Mechanical with secondary dynamic lip seal
- Provides added leakage protection

IMPELLER DESIGN
Non-clog style vortex impeller
- Designed to help reduce clogging by foreign material

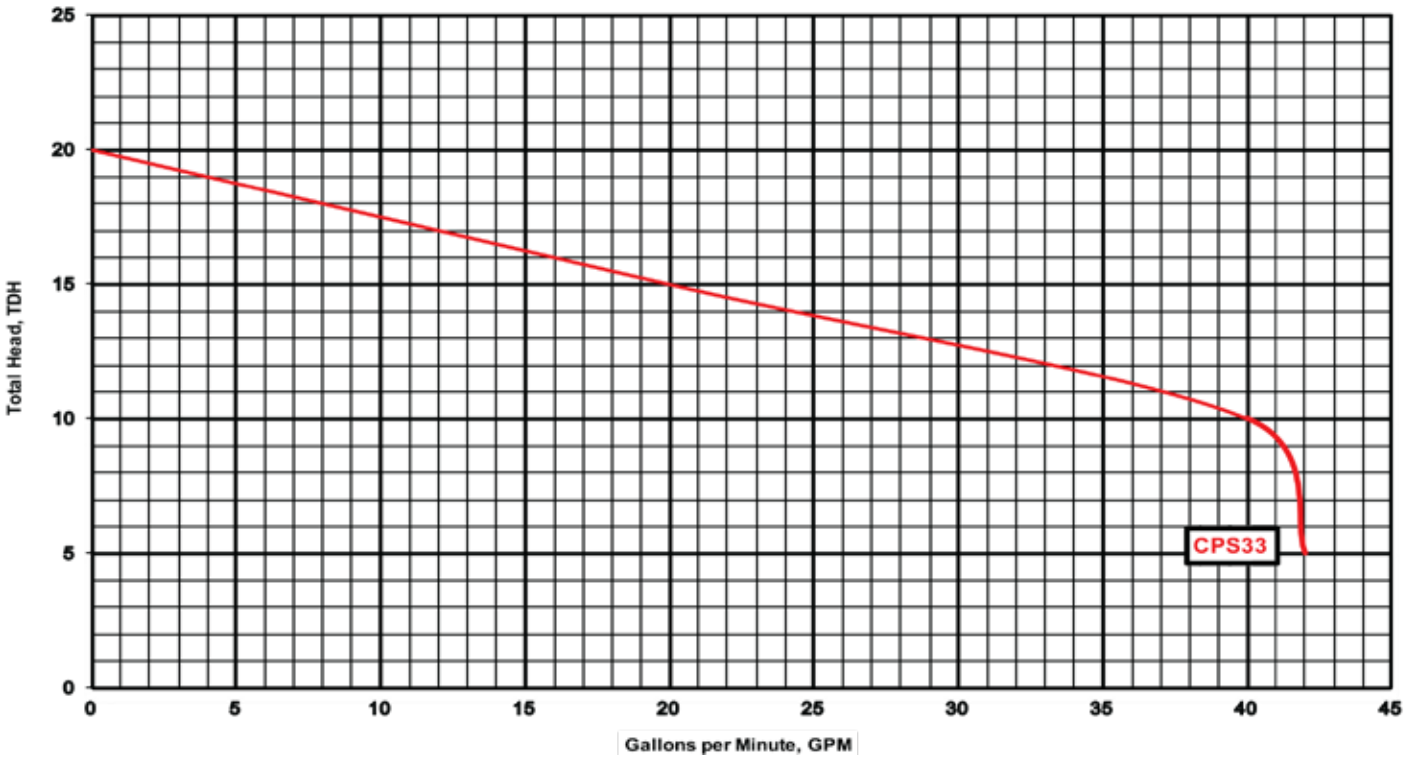
POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Available in lengths up to 100'

SWITCH
Integrated quick disconnect switch design (Vertical float series)
- Switch can be replaced without having to replace the pump
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PIGGY-BACK SWITCH DESIGN
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

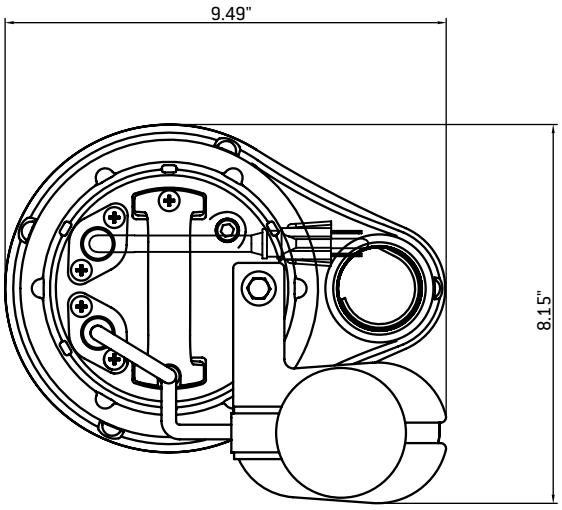
APPLICATIONS
Basements, dewatering, and septic systems

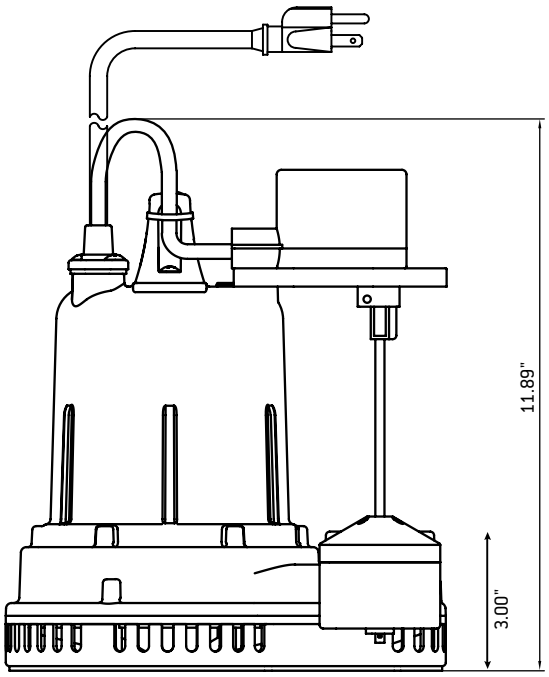
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/2" NPT. vertical standard
SOLIDS HANDLING	1/4"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Engineered glass filled thermoplastic/ Vortex
SHAFT	Nickel plated steel
SHAFT SEAL (SINGLE SEAL)	Mechanical with secondary dynamic lip seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type SJTW
MOTOR (SINGLE PHASE)	1/3 HP 1750 RPM, 60 Hz, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	25 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPS33-11	1/3	115	1	4	10'	Manual
CPS33-12	1/3	115	1	4	20'	Manual
CPS33-13	1/3	115	1	4	30'	Manual
CPS33-15	1/3	115	1	4	50'	Manual
CPS33A-11P	1/3	115	1	4	10'	Wide-Angle Float
CPS33A-12P	1/3	115	1	4	20'	Wide-Angle Float
CPS33A-13P	1/3	115	1	4	30'	Wide-Angle Float
CPS33V-11	1/3	115	1	4	10'	Vertical Float
CPS33V-12	1/3	115	1	4	20'	Vertical Float
CPS33V-13	1/3	115	1	4	30'	Vertical Float

Champion Pump

CPS5

1/2 HP
SUMP/EFFLUENT

Every pump tested in water to ensure pump meets peformance curve.



1/2 HP submersible pumps that handle up to 1-1/4" solids with 2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 28' TDH
- Flows up to 85 GPM

MOTOR
High efficient, 115v or 230v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Type 21 inboard seal design with secondary exclusion seal
- Rotating components of seal are in the motor housing, being lubricated by the motor oil preventing foreign matter from wrapping around the seal components
- Seal will last longer if the pump runs dry
- Secondary exclusion seal keeps debris from entering the seal cavity

IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller
- Designed to help reduce clogging by foreign material

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

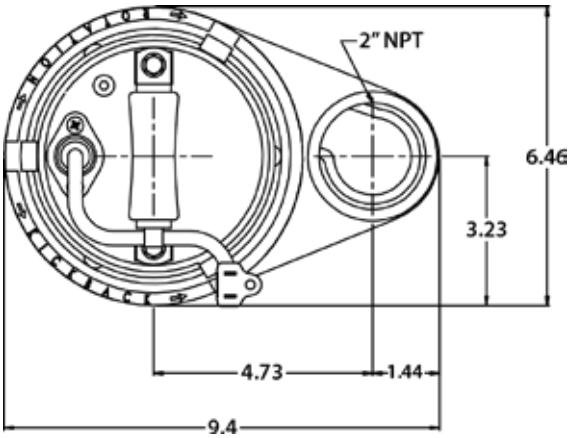
APPLICATIONS
Basements, dewatering, septic systems and truck docks

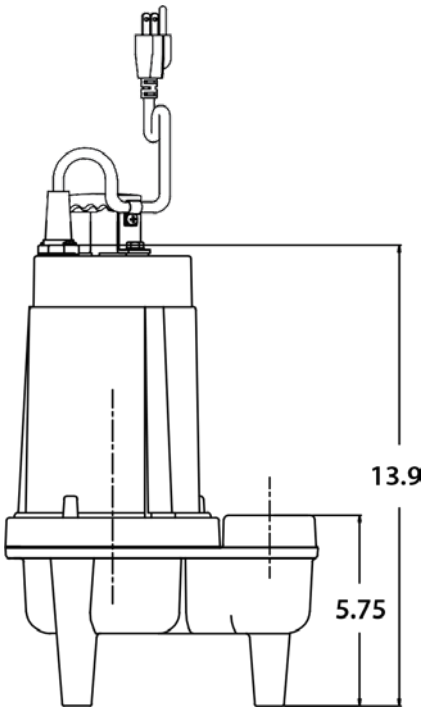
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT. vertical standard
SOLIDS HANDLING	1-1/4"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Inboard mechanical with secondary exclusion V-Seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type SJTW
MOTOR (SINGLE PHASE)	1/2 HP 3450 RPM, 60 Hz, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	39 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPS5-11	1/2	115	1	8	10'	Manual
CPS5-12	1/2	115	1	8	20'	Manual
CPS5-13	1/2	115	1	8	30'	Manual
CPS5-15	1/2	115	1	8	50'	Manual
CPS5A-11	1/2	115	1	8	10'	Wide-Angle Float
CPS5A-12	1/2	115	1	8	20'	Wide-Angle Float
CPS5A-13	1/2	115	1	8	30'	Wide-Angle Float
CPS5A-15	1/2	115	1	8	50'	Wide-Angle Float
CPS5V-11	1/2	115	1	8	10'	Vertical Float
CPS5V-12	1/2	115	1	8	20'	Vertical Float
CPS5V-13	1/2	115	1	8	30'	Vertical Float
CPS5V-15	1/2	115	1	8	50'	Vertical Float
CPS5-22	1/2	230	1	4	20'	Manual
CPS5A-22	1/2	230	1	4	20'	Wide-Angle Float
CPS5V-22	1/2	230	1	4	20'	Vertical Float

Champion Pump

CPE

4/10 to 1/2 HP
EFFLUENT

Every pump tested in water to ensure pump meets peformance curve.





Vertical Float



Wide-Angle Float

4/10 to 1/2 HP submersible pumps that handle up to 3/4" solids with 2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 65' TDH
- Flows up to 86 GPM

MOTOR
High efficient, 115v or 230v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Type 21 inboard seal design with secondary exclusion seal
- Rotating components of seal are in the motor housing, being lubricated by the motor oil preventing foreign matter from wrapping around the seal components
- Seal will last longer if the pump runs dry
- Secondary exclusion seal keeps debris from entering the seal cavity

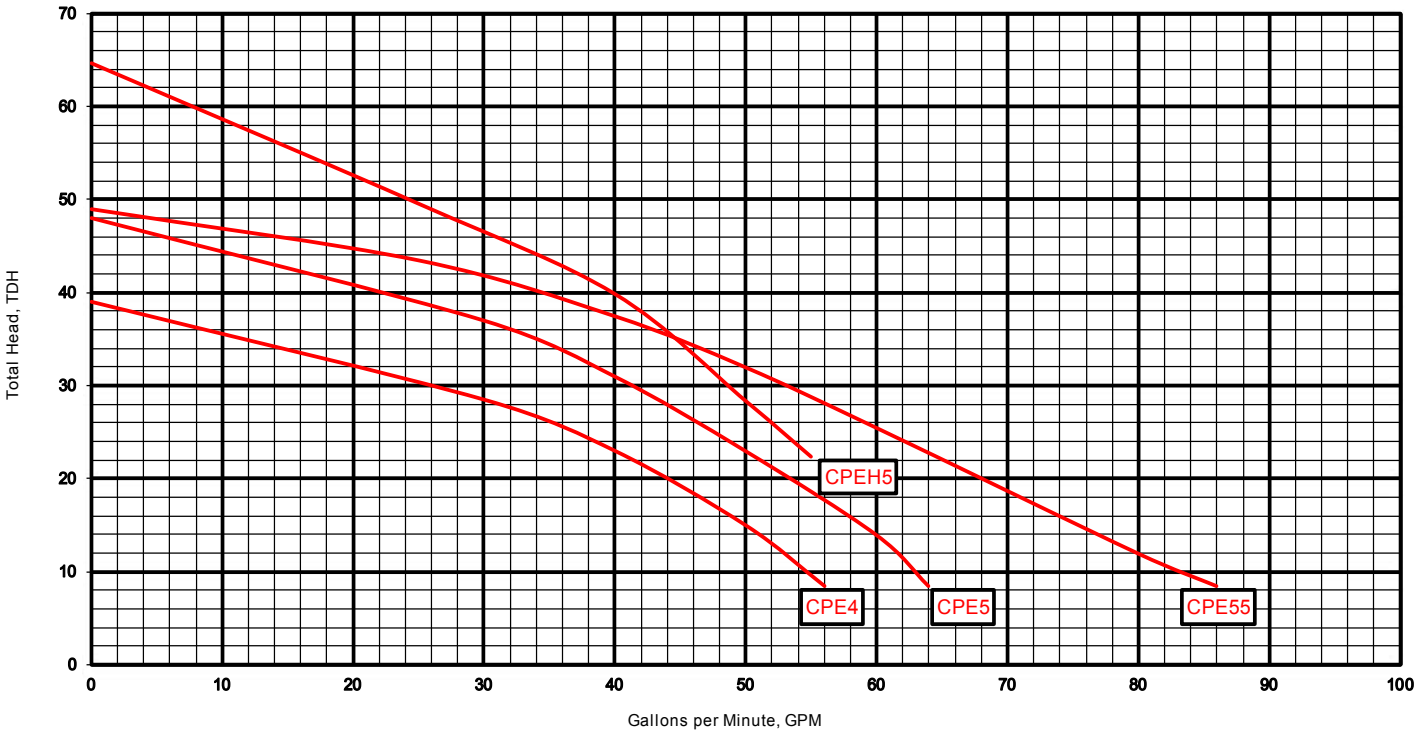
IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller (CPEH Thermoplastic Vortex)
- Designed to help reduce clogging by foreign material

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

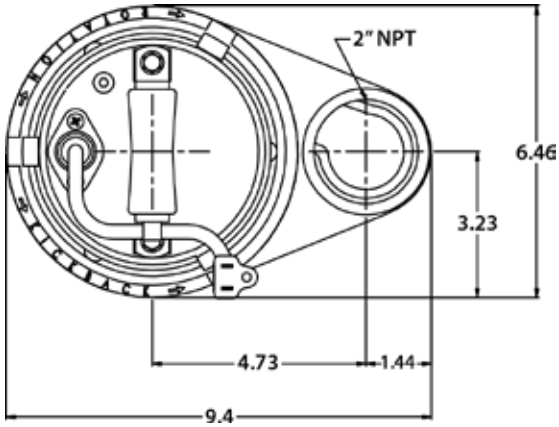
APPLICATIONS
Dewatering, septic systems, residential and commercial developments, elevator pits and STEP systems

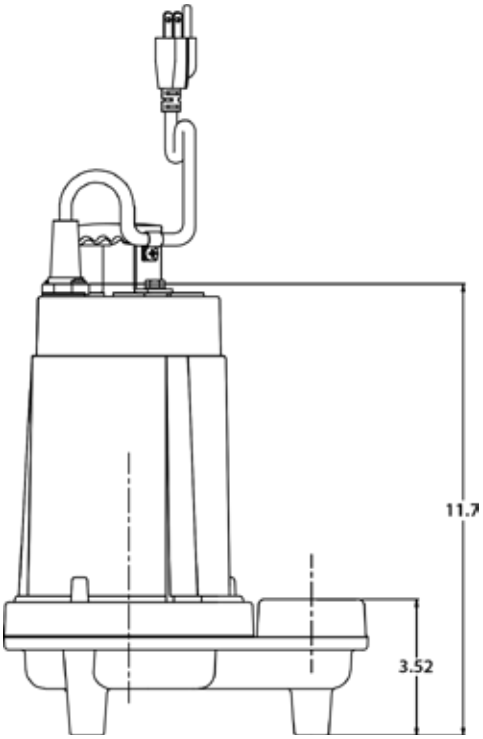
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT. vertical standard
SOLIDS HANDLING	3/4"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex (CPEH thermoplastic vortex)
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Inboard mechanical with secondary exclusion V-Seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	20' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type SJTW
MOTOR (SINGLE PHASE)	4/10 to 1/2 HP 3450 RPM, 60 Hz, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	37 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPE4-12/CPE5-12/CPE55-12/CPEH5-12	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	20'	Manual
CPE4-13/CPE5-13/CPE55-13/CPEH5-13	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	30'	Manual
CPE4-15/CPE5-15/CPE55-15/CPEH5-15	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	50'	Manual
CPE4A-12/CPE5A-12/CPE55A-12/CPEH5A-12	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	20'	Wide-Angle Float
CPE4A-13/CPE5A-13/CPE55A-13/CPEH5A-13	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	30'	Wide-Angle Float
CPE4V-12/CPE5V-12/CPE55V-12/CPEH5V-12	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	20'	Vertical Float
CPE4V-13/CPE5V-13/CPE55V-13/CPEH5V-13	4/10 to 1/2	115	1	6.6/8.5 /10.5/11.5	30'	Vertical Float
CPE4-22/CPE5-22/CPE55-22/CPEH5-22	4/10 to 1/2	230	1	3.3/4.3/5.75/5.75	20'	Manual
CPE4A-22/CPE5A-22/CPE55A-22/CPEH5A-22	4/10 to 1/2	230	1	3.3/4.3/5.75/5.75	20'	Wide-Angle Float
CPE4V-22/CPE5V-22/CPE55V-22/CPEH5V-22	4/10 to 1/2	230	1	3.3/4.3/5.75/5.75	20'	Vertical Float

Champion Pump

CPES

1/3 to 1/2 HP
EFFLUENT/SUMP

Every pump tested in water to ensure pump meets peformance curve.



Vertical Float

Wide-Angle Float

1/3 to 1/2 HP submersible pumps that handle up to 3/4" solids with 2" discharge with 1-1/2" adapter

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 37' TDH
- Flows up to 72 GPM

MOTOR
High efficient, 115v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Mechanical with secondary dynamic lip seal
- Provides added leakage protection

IMPELLER DESIGN
Non-clog style vortex impeller
- Designed to help reduce clogging by foreign material

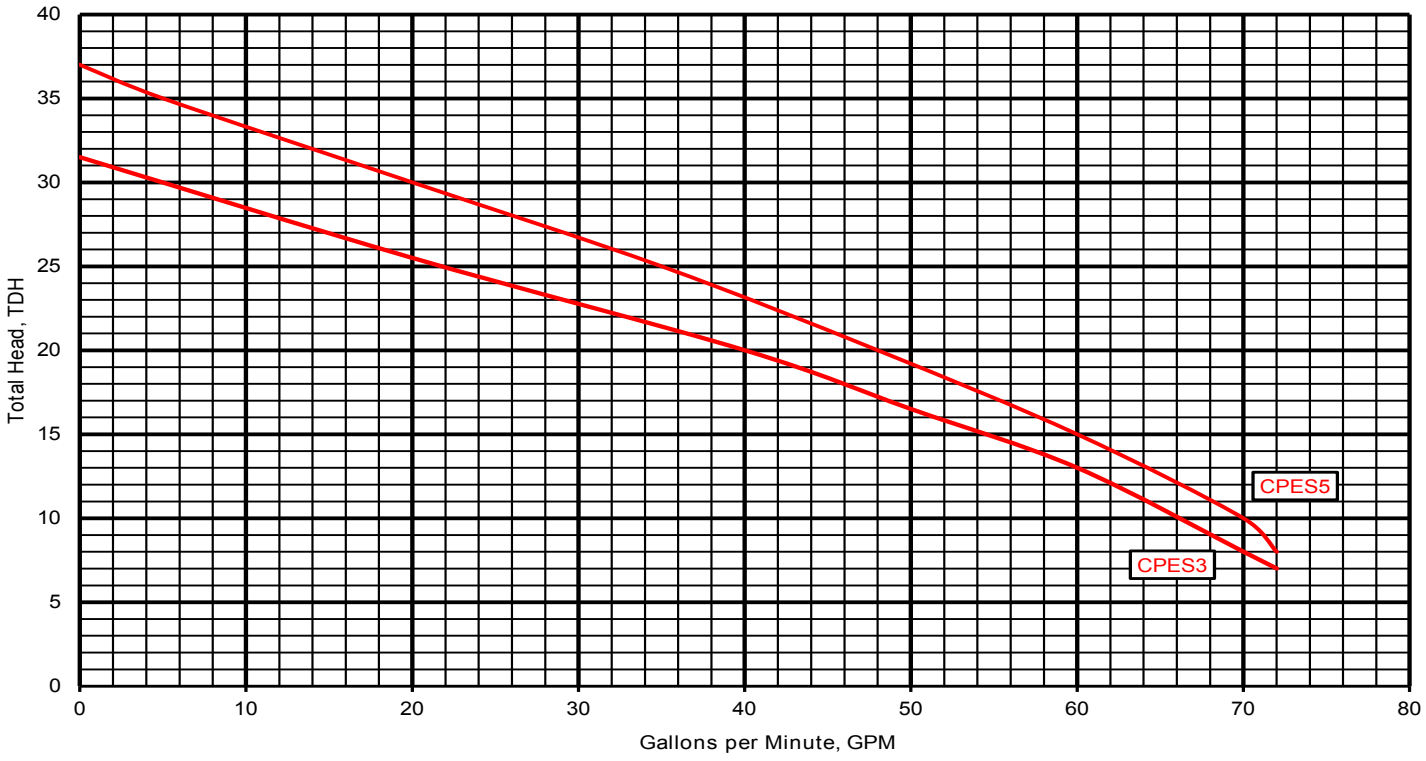
POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

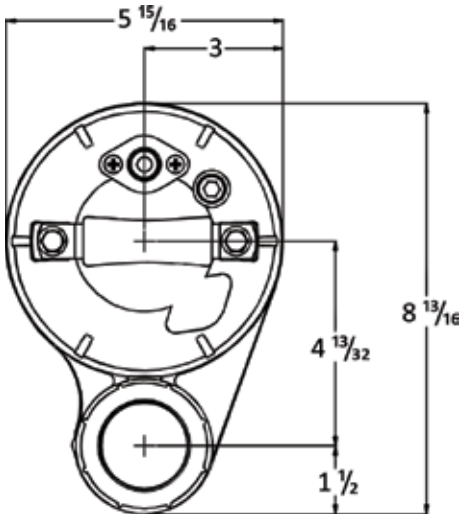
Basements, dewatering, septic systems, residential and commercial developments and elevator pits

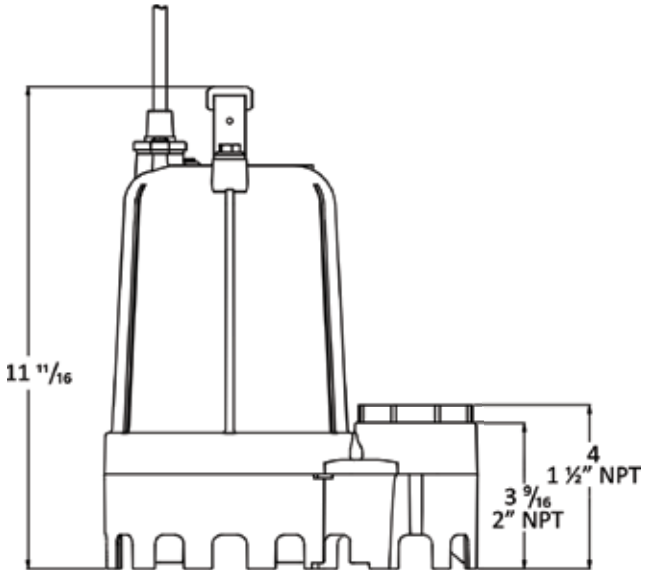
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT. with 1-1/2" adapter included
SOLIDS HANDLING	3/4"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Engineered glass filled thermoplastic
SEAL PLATE	Cast Iron
IMPELLER	Engineered glass filled thermoplastic/ Vortex
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Mechanical with secondary dynamic lip seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type S/TW
MOTOR (SINGLE PHASE)	1/3 to 1/2 HP 3450 RPM, 60 HZ, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	25 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPES3-11/CPES5-11	1/3 to 1/2	115	1	7.9/8.9	10'	Manual
CPES3-12/CPES5-12	1/3 to 1/2	115	1	7.9/8.9	20'	Manual
CPES3-13/CPES5-13	1/3 to 1/2	115	1	7.9/8.9	30'	Manual
CPES3-15/CPES5-15	1/3 to 1/2	115	1	7.9/8.9	50'	Manual
CPES3A-11/CPES5A-11	1/3 to 1/2	115	1	7.9/8.9	10'	Wide-Angle Float
CPES3A-12/CPES5A-12	1/3 to 1/2	115	1	7.9/8.9	20'	Wide-Angle Float
CPES3A-13/CPES5A-13	1/3 to 1/2	115	1	7.9/8.9	30'	Wide-Angle Float
CPES3V-11/CPES5V-11	1/3 to 1/2	115	1	7.9/8.9	10'	Vertical Float
CPES3V-12 CPES5V-12	1/3 to 1/2	115	1	7.9/8.9	20'	Vertical Float
CPES3V-13/CPES5V-13	1/3 to 1/2	115	1	7.9/8.9	30'	Vertical Float

Champion Pump

CPSTEP

1/2 to 2 HP
EFFLUENT

Every pump tested in water to ensure pump meets peformance curve.



1/2 to 2 HP high head effluent pumps that handle up to 3/4" solids with 2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 124' TDH
- Flows up to 122 GPM

MOTOR (Single Phase)
High efficient, 115v or 230v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

MOTOR (3 Phase)
230v or 460v, requires control panel

SEAL DESIGN
Single, mechanical, oil filled chamber
- Optional double seal series models available that provides additional protection and moisture sensing capabilities
- Optional seal failure feature that will alert you when the seal has failed

IMPELLER DESIGN
1 or 2 vane cast iron impeller
- Designed to help reduce clogging by foreign material

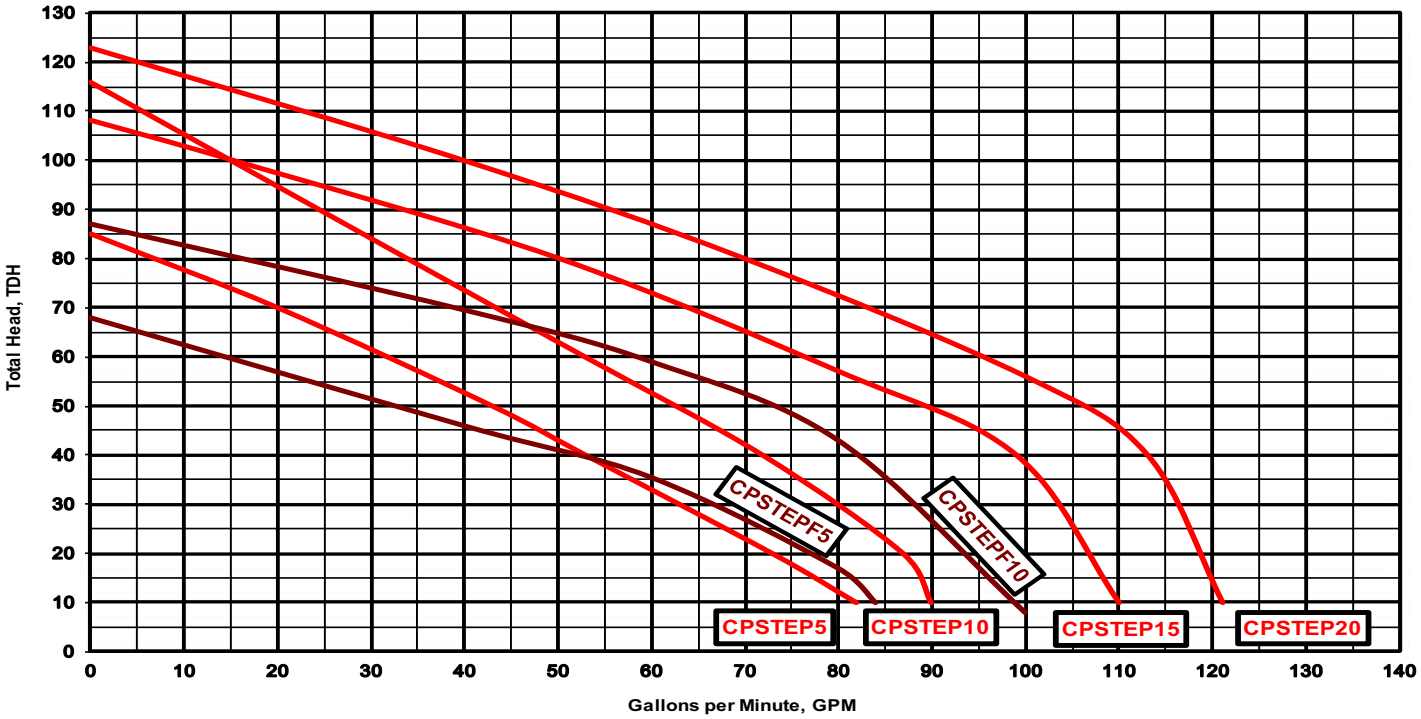
POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design (Single Phase)
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

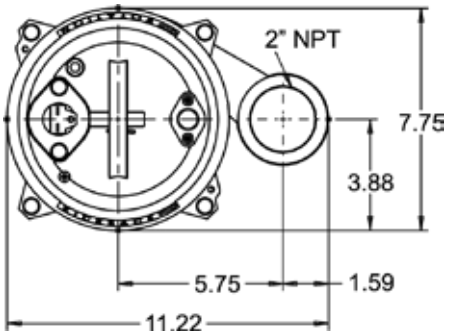
Dewatering, septic systems, residential and commercial developments, elevator pits and STEP systems

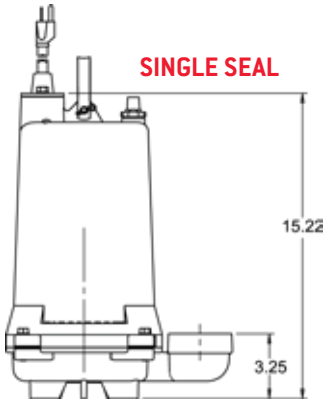
PERFORMANCE CURVE

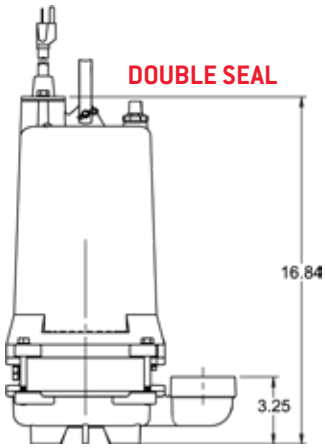


TECHNICAL DATA

DISCHARGE	2" NPT. vertical standard
SOLIDS HANDLING	3/4"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/1 or 2 Vane
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Single mechanical, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
SHAFT SEAL (DOUBLE SEAL)	Tandem double mechanical upper & lower, carbon ceramic, Buna-N elastomer, 300 stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	Quick disconnect 20' cord standard. Up to 30' with a plug and 100' available without a plug. 3 Phase 30' cord standard UL/CSA (SJOW) 14/3 (.375 OD) * UL/CSA (SO) Cord 14 Ga. (.60)
MOTOR (SINGLE PHASE)	1/2 to 2 HP 3450 RPM. 60 Hz, Includes overload protection in the motor, oil filled, class F permanent split capacitor
MOTOR (THREE PHASE)	1/2 to 2 HP 3450 RPM. 60 Hz, oil filled, requires overload protection to be included in control panel
WEIGHT	72 lbs. (Manual)







MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPSTEP512(A)	1/2	115	1	13.8	20'	M (Wide-Angle Float)	No
CPSTEP522(A)	1/2	230	1	6.9	20'	M (Wide-Angle Float)	No
CPSTEP533	1/2	230	3	4.6	30'	Manual	Yes
CPSTEP1022(A)	1	208/230	1	11.5/10.4	20'	M (Wide-Angle Float)	No
CPSTEP1033	1	208/230	3	8.4/7.6	30'	Manual	Yes
*CPSTEP1043	1	460	3	3.8	30'	Manual	Yes
CPSTEPF512(A)	1/2	115	1	13.8	20'	M (Wide-Angle Float)	No
CPSTEPF522(A)	1/2	230	1	6.9	20'	M (Wide-Angle Float)	No
CPSTEPF533	1/2	230	3	4.6	30'	Manual	Yes
CPSTEPF1022(A)	1	208/230	1	11.5/10.4	20'	M (Wide-Angle Float)	No
CPSTEPF1033	1	208/230	3	8.4/7.6	30'	Manual	Yes
*CPSTEPF1043	1	460	3	3.8	30'	Manual	Yes
CPSTEPF1522(A)	1-1/2	208/230	1	13.3/12	20'	M (Wide-Angle Float)	No
CPSTEPF1533	1-1/2	208/230	3	9.3/8.4	30'	Manual	Yes
*CPSTEPF1543	1-1/2	460	3	4.2	30'	Manual	Yes
CPSTEP2022(A)	2	208/230	1	16.4/14.8	20'	M (Wide-Angle Float)	No
CPSTEP2033	2	208/230	3	12.2/11	30'	Manual	Yes
*CPSTEP2043	2	460	3	5.5	30'	Manual	Yes

Champion Pump

CPEW

1/2 HP
SEWAGE

Every pump tested in water to ensure pump meets peformance curve.





Vertical Float



Wide-Angle Float

1/2 HP submersible pumps that handle up to 2" solids with 2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 23' TDH
- Flows up to 90 GPM

MOTOR
High efficient, 115v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Mechanical with secondary dynamic lip seal
- Provides added leakage protection

IMPELLER DESIGN
Non-clog style vortex impeller
- Designed to help reduce clogging by foreign material

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

Basements, dewatering, septic systems, sewage lift stations, add-a-baths and truck docks

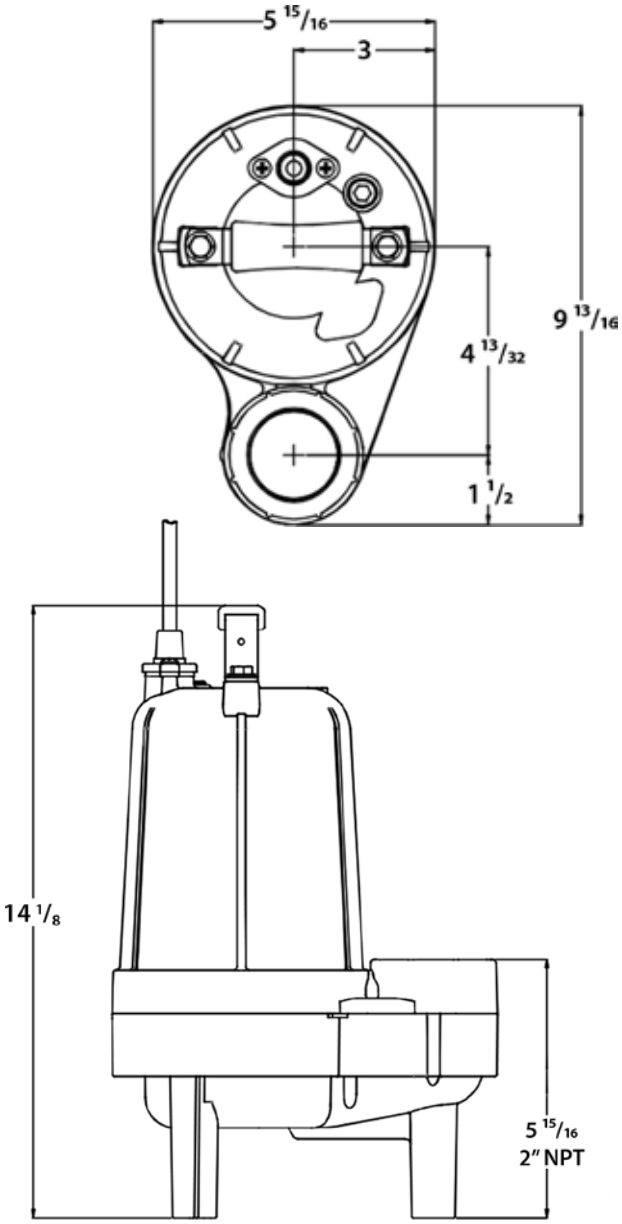
Pairs with 24 x 24 or 18 x 30 Pre-Plumbed Sewage Pump System Basins found on page 31

PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT. vertical standard
SOLIDS HANDLING	2"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Engineered glass filled thermoplastic
SEAL PLATE	Cast Iron
IMPELLER	Engineered glass filled thermoplastic/ Vortex
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Mechanical with secondary dynamic lip seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type SJTW
MOTOR (SINGLE PHASE)	1/2 HP 3450 RPM, 60 Hz, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	25 lbs. (Manual)



MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPEW5-11	1/2	115	1	9.5	10'	Manual
CPEW5-12	1/2	115	1	9.5	20'	Manual
CPEW5-13	1/2	115	1	9.5	30'	Manual
CPEW5-15	1/2	115	1	9.5	50'	Manual
CPEW5A-11	1/2	115	1	9.5	10'	Wide-Angle Float
CPEW5A-12	1/2	115	1	9.5	20'	Wide-Angle Float
CPEW5A-13	1/2	115	1	9.5	30'	Wide-Angle Float
CPEW5A-15	1/2	115	1	9.5	50'	Wide-Angle Float
CPEW5V-11	1/2	115	1	9.5	10'	Vertical Float
CPEW5V-12	1/2	115	1	9.5	20'	Vertical Float
CPEW5V-13	1/2	115	1	9.5	30'	Vertical Float
CPEW5V-15	1/2	115	1	9.5	50'	Vertical Float

Champion Pump

CPW

1/2 HP
SEWAGE

Every pump tested in water to ensure pump meets peformance curve.





Wide-angle Float



Vertical Float

1/2 HP submersible pumps that handle up to 2" solids with 2" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 34' TDH
- Flows up to 109 GPM

MOTOR
High efficient, 115v or 230v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Type 21 inboard seal design with secondary exclusion seal
- Rotating components of seal are in the motor housing, being lubricated by the motor oil preventing foreign matter from wrapping around the seal components
- Seal will last longer if the pump runs dry
- Secondary exclusion seal keeps debris from entering the seal cavity

IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller
- Designed to help reduce clogging by foreign material

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

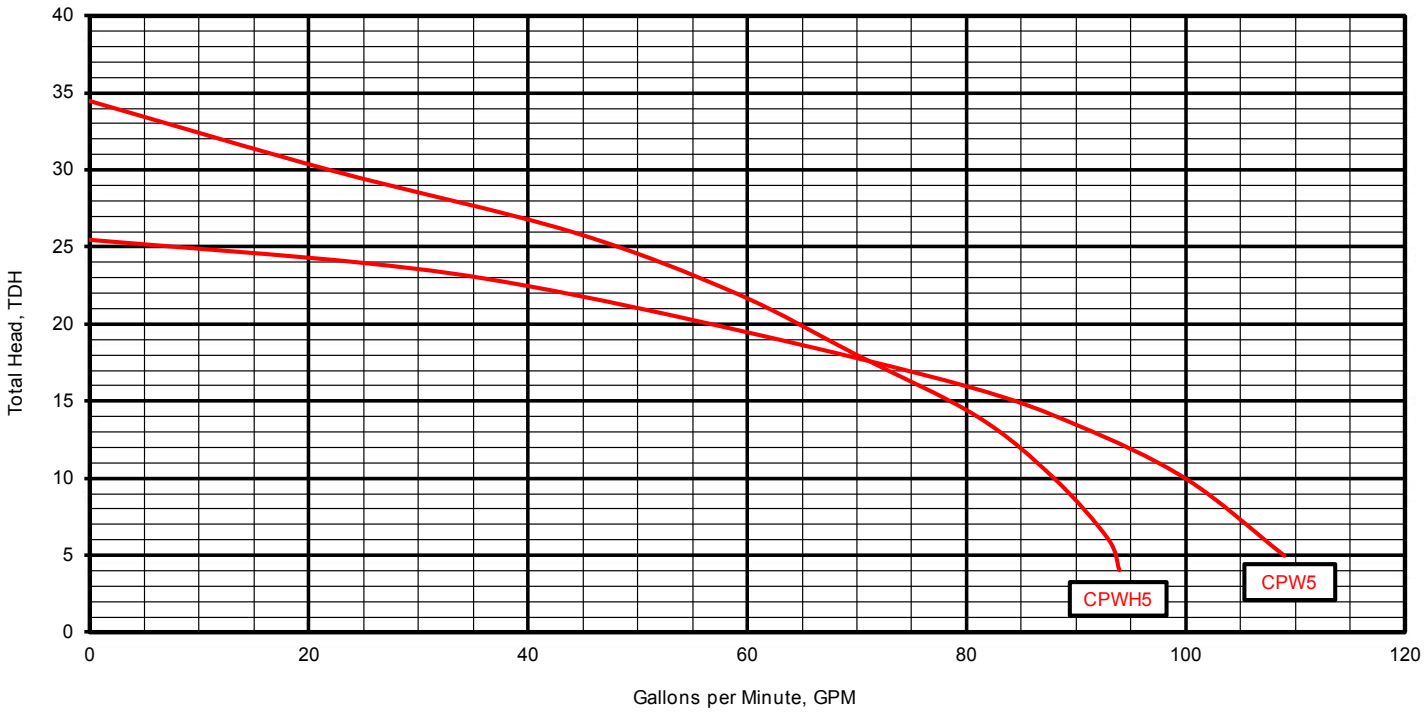
SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

Basements, dewatering, septic systems, sewage lift stations, add-a-baths and truck docks

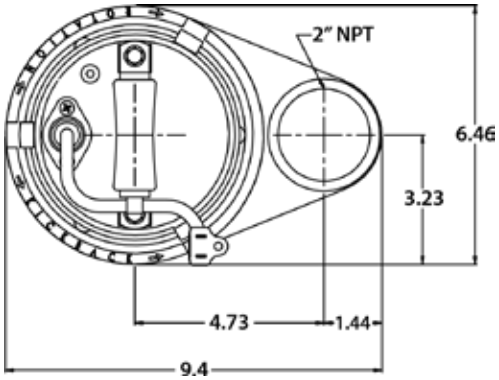
Pairs with 24 x 24 or 18 x 30 Pre-Plumbed Sewage Pump System Basins found on page 31

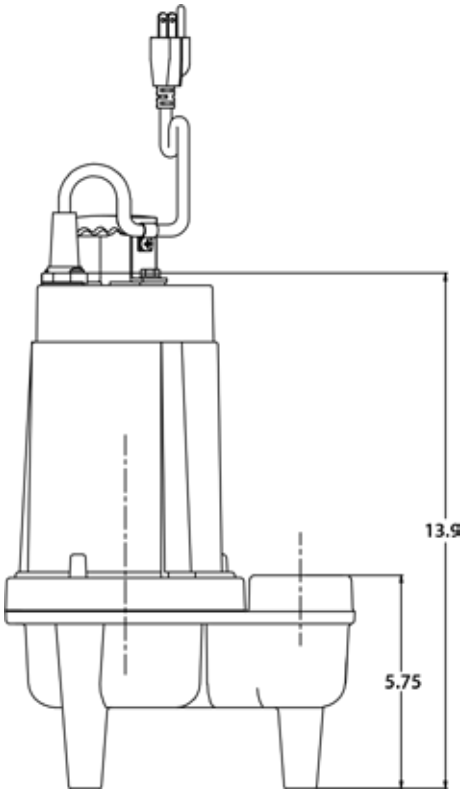
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT. vertical standard
SOLIDS HANDLING	2" CPW, 1-1/2" CPWH
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Inboard mechanical with secondary exclusion V-Seal, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 100' available. (UL/CUL) Listed 16 AWG, Type SJTW
MOTOR (SINGLE PHASE)	1/2 HP 3450 RPM, 60 Hz, NEMA L Includes overload protection in the motor, oil filled, class B permanent split capacitor
WEIGHT	37 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH
CPW5-11/CPWH5-11	1/2	115	1	11.5	10'	Manual
CPW5-12/CPWH5-12	1/2	115	1	11.5	20'	Manual
CPW5-13/CPWH5-13	1/2	115	1	11.5	30'	Manual
CPW5-15/CPWH5-15	1/2	115	1	11.5	50'	Manual
CPW5A-11/CPWH5A-11	1/2	115	1	11.5	10'	Wide-Angle Float
CPW5A-12/CPWH5A-12	1/2	115	1	11.5	20'	Wide-Angle Float
CPW5A-13/CPWH5A-13	1/2	115	1	11.5	30'	Wide-Angle Float
CPW5V-11/CPWH5V-11	1/2	115	1	11.5	10'	Vertical Float
CPW5V-12/CPWH5V-12	1/2	115	1	11.5	20'	Vertical Float
CPW5V-13/CPWH5V-13	1/2	115	1	11.5	30'	Vertical Float
CPW5-22/CPWH5-22	1/2	230	1	5.75	20'	Manual
CPW5A-22/CPWH5A-22	1/2	230	1	5.75	20'	Wide-Angle Float
CPW5V-22/CPWH5V-22	1/2	230	1	5.75	20'	Vertical Float

Champion Pump

CPSE(F)

1/2 to 2 HP
SEWAGE

Every pump tested in water to ensure pump meets peformance curve.



1/2 to 2 HP cast iron sewage pumps that handle up to 2" solids with 2" or 3" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 80' TDH
- Flows up to 222 GPM

MOTOR (Single Phase)
High efficient, 115v or 230v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

MOTOR (3 Phase)
230v or 460v, requires control panel

SEAL DESIGN
Single, mechanical, oil filled chamber
- Optional double series models available that provides additional protection and optional moisture sensing capabilities
- Optional seal failure feature that will alert you when the seal has failed

IMPELLER DESIGN
2 vane, cast iron impeller
- Designed to help reduce clogging by foreign material

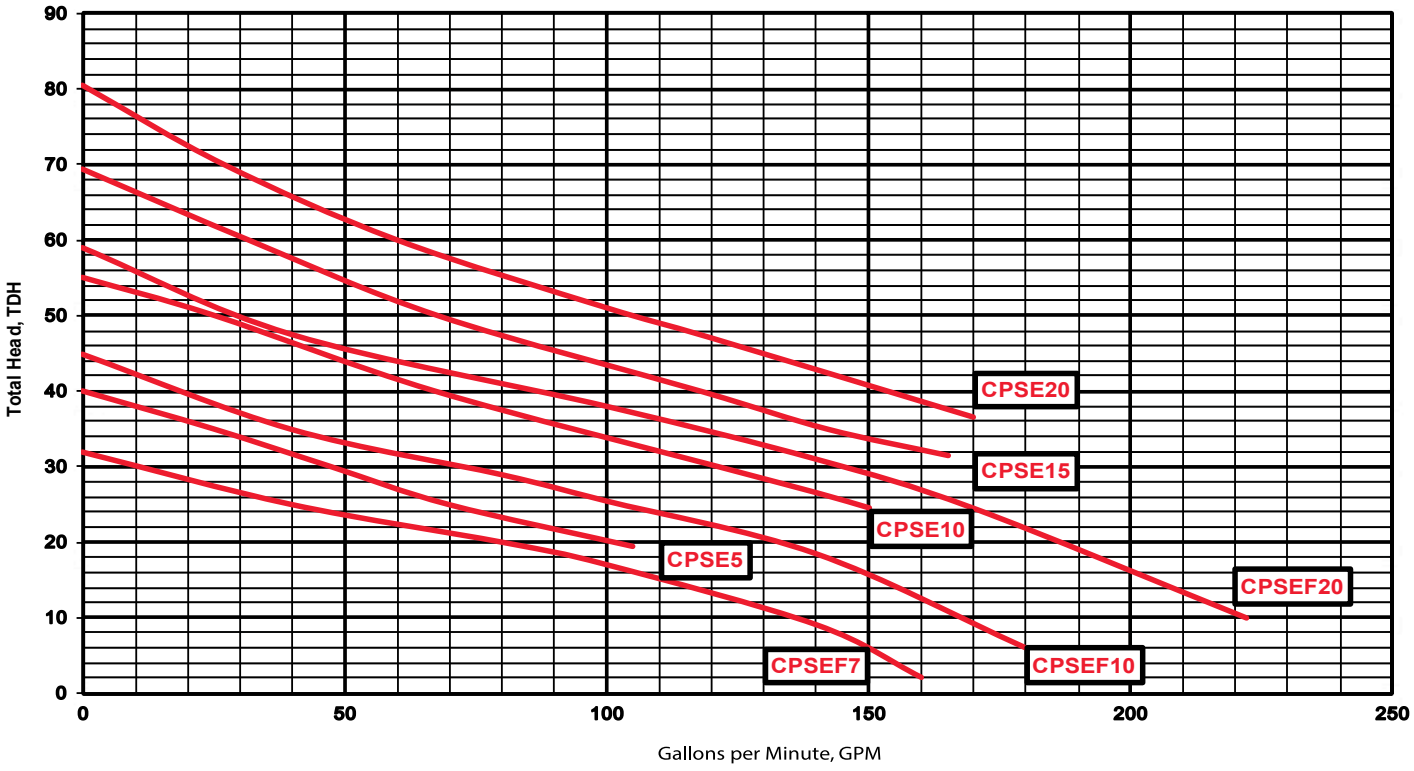
POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field
- Available in lengths up to 100'

SWITCH
Piggy-back switch design (Single Phase)
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

APPLICATIONS

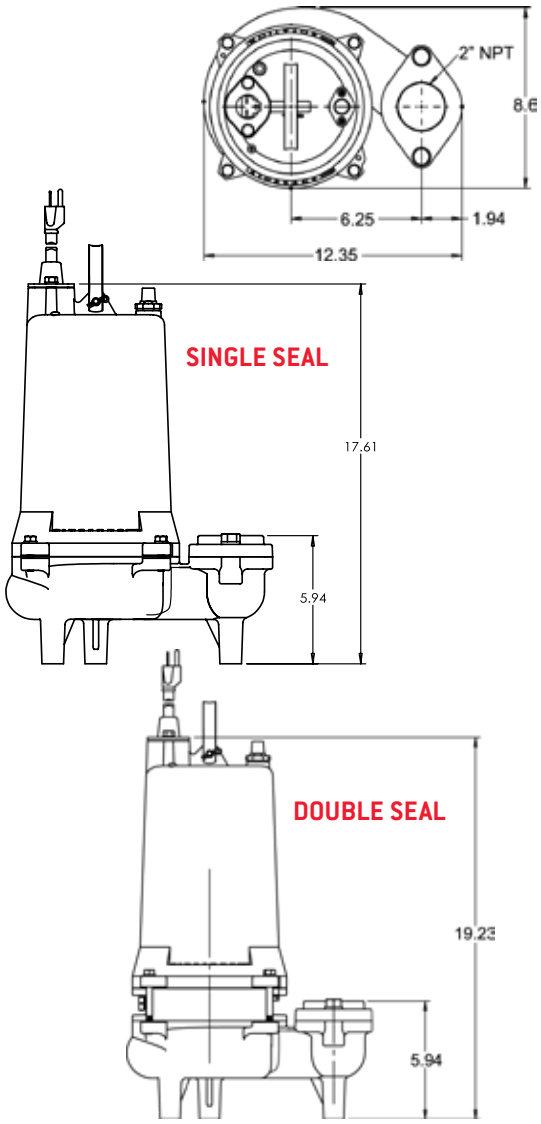
Residential developments, commercial developments and wastewater applications

PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT. vertical standard, 3" optional
SOLIDS HANDLING	2"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/2 Vane
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Single mechanical, carbon rotating face, ceramic stationary face, Buna-N elastomer, 300 series stainless steel hardware
SHAFT SEAL (DOUBLE SEAL)	Tandem double mechanical upper & lower, carbon ceramic, Buna-N elastomer, 300 stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	Quick disconnect 20' cord standard. Up to 30' with a plug and 100' available without a plug. 3 phase 30' cord standard. UL/CSA (SJOW) 14/3 (.375 OD) * UL/CSA (SO) Cord 14 Ga. (.60)
MOTOR (SINGLE PHASE)	1/2 to 2 HP 3450 RPM. 60 Hz, includes overload protection in the motor, oil filled, class F permanent split capacitor
MOTOR (THREE PHASE)	1/2 to 2 HP 3450 RPM. 60 Hz, oil filled, requires overload protection to be included in control panel
WEIGHT	80 lbs. (Manual)



MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPSE512(A)	1/2	115	1	14.5	20'	M (Wide-Angle Float)	No
CPSE522(A)	1/2	230	1	7.3	20'	M (Wide-Angle Float)	No
CPSE533	1/2	230	3	5.3	30'	Manual	Yes
*CPSE543	1/2	460	3	2.7	30'	Manual	Yes
CPSEF712(A)	3/4	115	1	12	20'	M (Wide-Angle Float)	No
CPSEF722(A)	3/4	230	1	6	20'	M (Wide-Angle Float)	No
CPSEF733	3/4	230	3	5	30'	Manual	Yes
*CPSEF743	3/4	460	3	2.5	30'	Manual	Yes
CPSE1022(A)	1	208/230	1	11.5/10.4	20'	M (Wide-Angle Float)	No
CPSEF1022(A)	1	208/230	1	12.2/11	20'	M (Wide-Angle Float)	No
CPSE1033	1	230	3	7.6	30'	Manual	Yes
CPSEF1033	1	230	3	8	30'	Manual	Yes
*CPSE1043	1	460	3	3.8	30'	Manual	Yes
*CPSEF1043	1	460	3	4	30'	Manual	Yes
CPSE1522(A)	1-1/2	208/230	1	14.7/13.3	20'	M (Wide-Angle Float)	No
CPSE1533	1-1/2	208/230	3	10.5/9.5	30'	Manual	Yes
*CPSE1543	1-1/2	460	3	4.8	30'	Manual	Yes
CPSE2022(A)	2	208/230	1	16.4/14.8	20'	M (Wide-Angle Float)	No
CPSEF2022(A)	2	208/230	1	16.4/14.8	20'	M (Wide-Angle Float)	No
CPSE2033	2	208/230	3	12.1/11	30'	Manual	Yes
CPSEF2033	2	208/230	3	12.1/11	30'	Manual	Yes
*CPSE2043	2	460	3	5.5	30'	Manual	Yes
*CPSEF2043	2	460	3	5.5	30'	Manual	Yes

Champion Pump

CPSEV(H)

1/2 to 2 HP
SEWAGE

Every pump tested in water to ensure pump meets head and flow requirements.



1/2 to 2 HP cast iron submersible pumps that handle up to 2" solids and have a 2" or 3" discharge

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 77' TDH
- Flows up to 217 GPM

MOTOR (Single Phase)
High efficient, 115v or 230v, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

MOTOR (3 Phase)
230v or 460v, requires control panel

SEAL DESIGN
Single, mechanical, running in oil filled chamber allowing dry run and cooling
- Optional double seal models available that provides additional protection and optional moisture sensing capabilities
- Optional seal failure feature that will alert you when the seal has failed

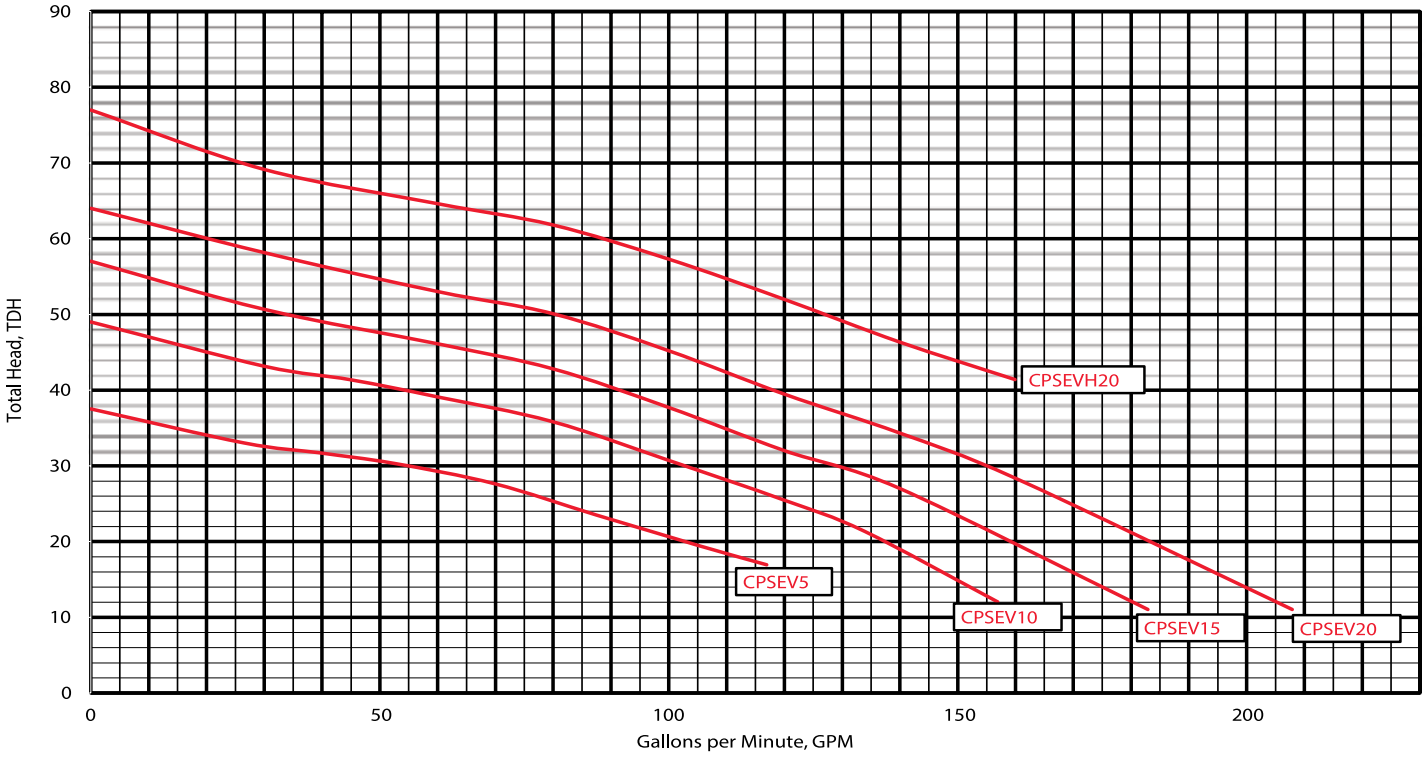
IMPELLER DESIGN
Vortex cast iron impeller
- Designed to help reduce clogging by foreign material

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field without having to run a new power cord
- Available in lengths up to 100'

SWITCH
Piggy-back switch design (Single Phase)
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

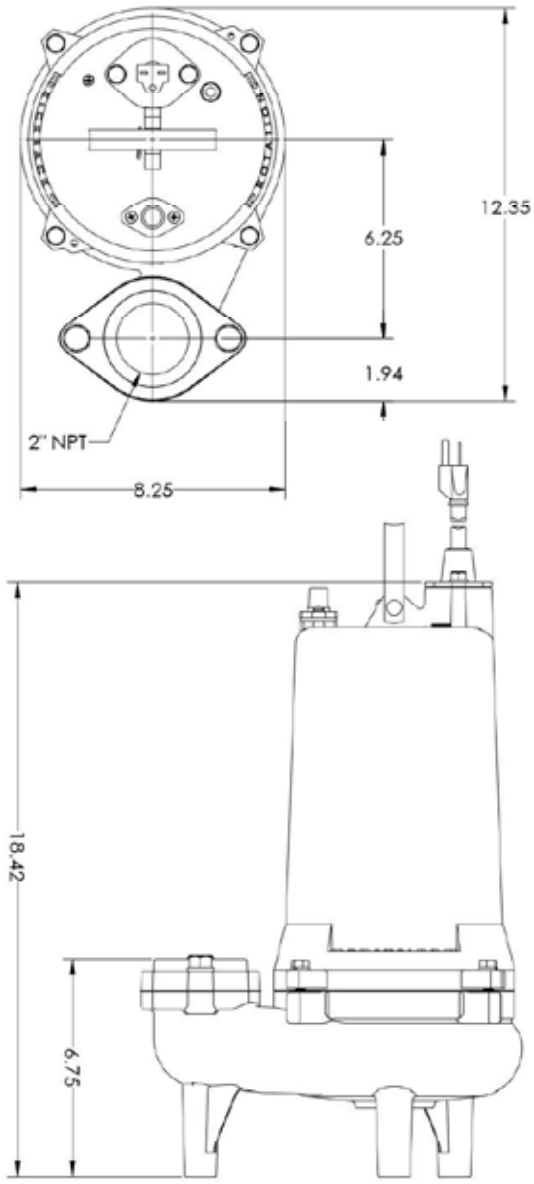
APPLICATIONS
Residential developments, commercial developments and wastewater applications

PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	2" NPT Vertical Standard, 3" (Optional)
SOLIDS HANDLING	2"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Ductile Iron
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Carbon Ceramic/Buna-N elastomer 300 Series Stainless Steel Hardware
SHAFT SEAL (DOUBLE SEAL)	Tandem double mechanical upper & lower, carbon ceramic, Buna-N elastomer, 300 stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	Quick disconnect 20' cord standard. Up to 30' with a plug and 100' available without a plug. 3 Phase 30' cord standard UL/CSA (SJOW) 14/3 (.375 OD) * UL/CSA (SO) Cord 14 Ga. (.60)
MOTOR (SINGLE PHASE)	3450 RPM. 60 Hz, Includes overload protection in the motor, oil filled, class F permanent split capacitor
MOTOR (THREE PHASE)	3450 RPM. 60 Hz, oil filled, requires overload protection to be included in control panel
OPTIONAL SEAL FAILURE	20' Length Standard UL/CSA (SJTW) 16/3 (.330 OD)



MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPSEV512(A)	1/2	115	1	14.5	20'	M (Wide-Angle Float)	No
CPSEV522(A)	1/2	230	1	7.3	20'	M (Wide-Angle Float)	No
CPSEV533	1/2	230	3	5.3	30'	Manual	Yes
*CPSEV543	1/2	460	3	2.7	30'	Manual	Yes
CPSEV1022(A)	1	208/230	1	13.9/12.6	20'	M (Wide-Angle Float)	No
CPSEV1033	1	208/230	3	8.5/7.7	30'	Manual	Yes
*CPSEV1043	1	460	3	3.8	30'	Manual	Yes
CPSEV1522(A)	1-1/2	208/230	1	14.7/13.3	20'	M (Wide-Angle Float)	No
CPSEV1533	1-1/2	208/230	3	10.4/9.4	30'	Manual	Yes
*CPSEV1543	1-1/2	460	3	4.7	30'	Manual	Yes
CPSEV2022(A)	2	230	1	18	20'	M (Wide-Angle Float)	No
CPSEV2033	2	208/230	3	12.1/11	30'	Manual	Yes
*CPSEV2043	2	460	3	5.5	30'	Manual	Yes
CPSEVH2022(A)	2	230	1	18	20'	M (Wide-Angle Float)	No
CPSEVH2033	2	208/230	3	12.1/11	30'	Manual	Yes
*CPSEVH2043	2	460	3	5.5	30'	Manual	Yes

Champion Pump

CPG(H)

1 & 2 HP GRINDER

Every pump tested in water to ensure pump meets peformance curve.



1 & 2 HP grinder pumps that have a 1-1/4" vertical discharge (optional 2" adapter available), and can grind up to 3" solids, and be installed on a rail system or with the supplied legs

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 133' TDH
- Flows up to 44 GPM

MOTOR
Internal capacitor run 115v or 208 to 230v, oil filled motors with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Single, mechanical, running in oil filled chamber allowing dry run and cooling

IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller
- Designed to generate higher heads and reduce clogging by foreign materials
- Provides non-overloading performance

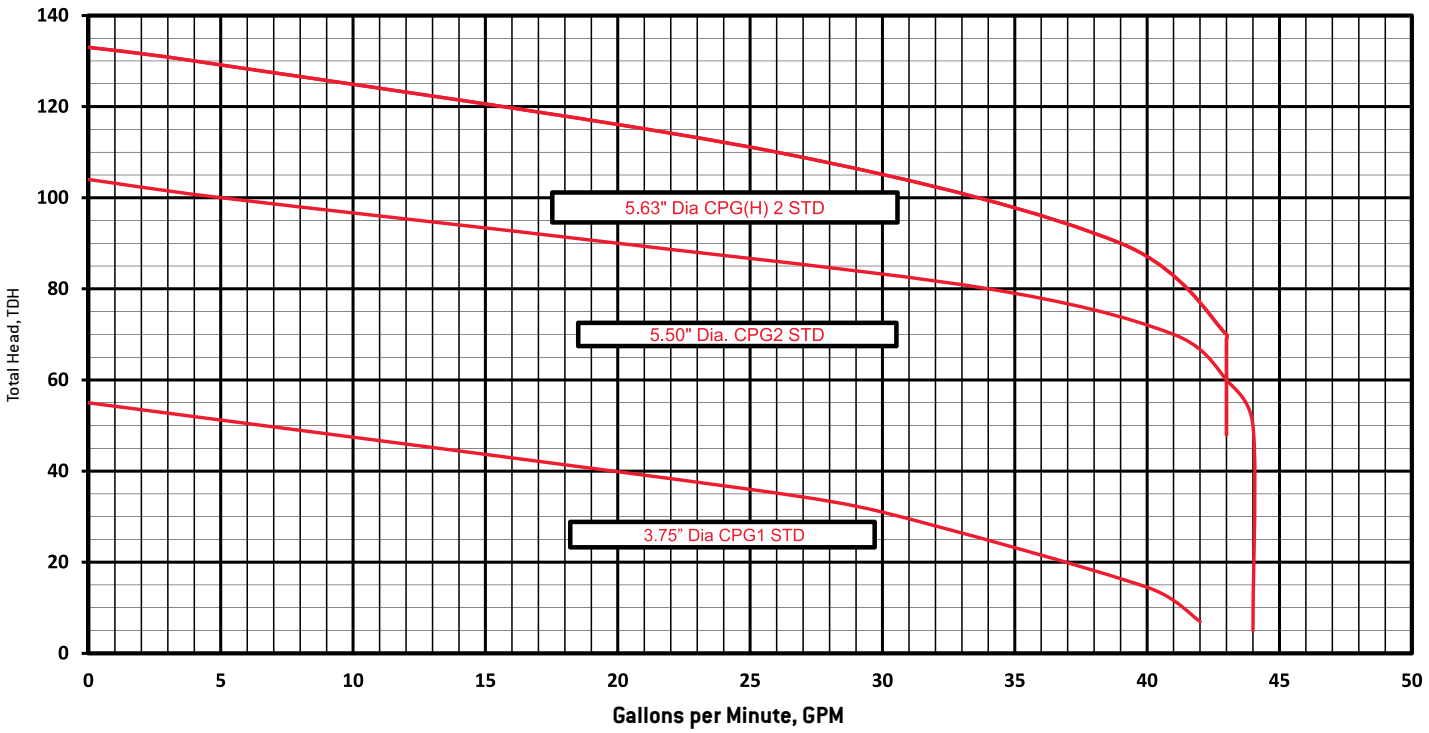
CUTTER ASSEMBLY
440 SST (56-60 Rockwell)
- 24,000 cuts per second and 1.5 million cuts a minute
- Designed to reduce over loading and clogging

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field without having to run a new power cord
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced

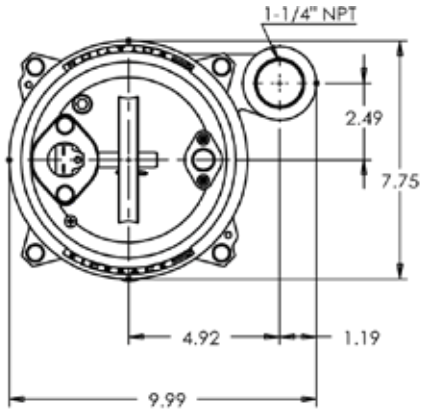
APPLICATIONS
Residential developments, commercial developments and wastewater applications

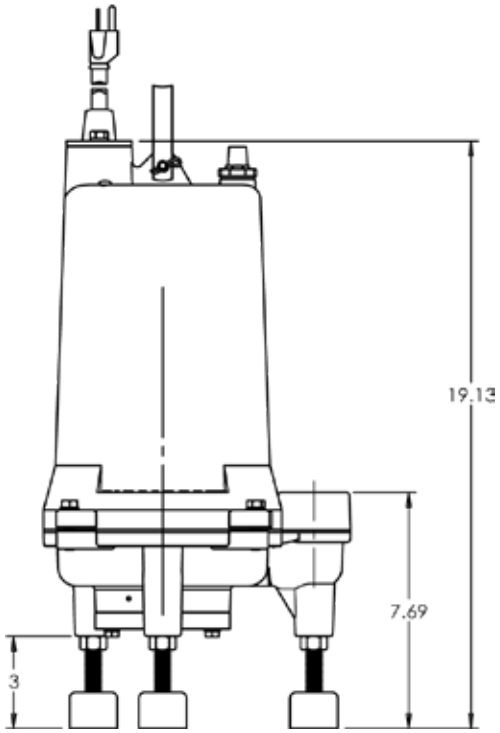
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/4" NPT. Vertical standard or optional 2"
SOLIDS HANDLING	3"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Single mechanical, carbon-rotating face, ceramic-stationary face, Buna-N elastomer, 300 Series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 30' with plug and 100' without plug. (UL/CSA) (SO) 14 AWG (.375 OD), Type SJOW
MOTOR (SINGLE PHASE)	1 or 2 HP 3450 RPM. 60 Hz, Includes overload protection in the motor, oil filled, class F, permanent split capacitor
WEIGHT	78 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPG1011V	1	115	1	13	10'	Vertical Float	No
CPG1012V	1	115	1	13	20'	Vertical Float	No
CPG1011(A)	1	115	1	13	10'	M (Wide-Angle Float)	No
CPG1012(A)	1	115	1	13	20'	M (Wide-Angle Float)	No
CPG1022(A)	1	208/230	1	7.2/6.5	20'	M (Wide-Angle Float)	No
CPG2021(A)	2	208/230	1	17/15	10'	M (Wide-Angle Float)	No
CPG2022(A)	2	208/230	1	17/15	20'	M (Wide-Angle Float)	No
CPGH2021(A)	2	208/230	1	17/15	10'	M (Wide-Angle Float)	No
CPGH2022(A)	2	208/230	1	17/15	20'	M (Wide-Angle Float)	No

Champion Pump

CPAG(H)

1 & 2 HP
AXIAL GRINDER

Every pump tested in water to ensure pump meets peformance curve.



1 & 2 HP grinder pumps that have a 1-1/4" vertical discharge (optional 2" adapter available), and can grind up to 3" solids, and be installed on a rail system or with the supplied legs

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 133' TDH
- Flows up to 44 GPM

MOTOR
Internal capacitor run 115v or 208 to 230v, oil filled motors with upper and lower ball bearings and thermal overload protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Single, mechanical, running in oil filled chamber allowing dry run and cooling

IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller
- Designed to generate higher heads and reduce clogging by foreign materials
- Provides non-overloading performance

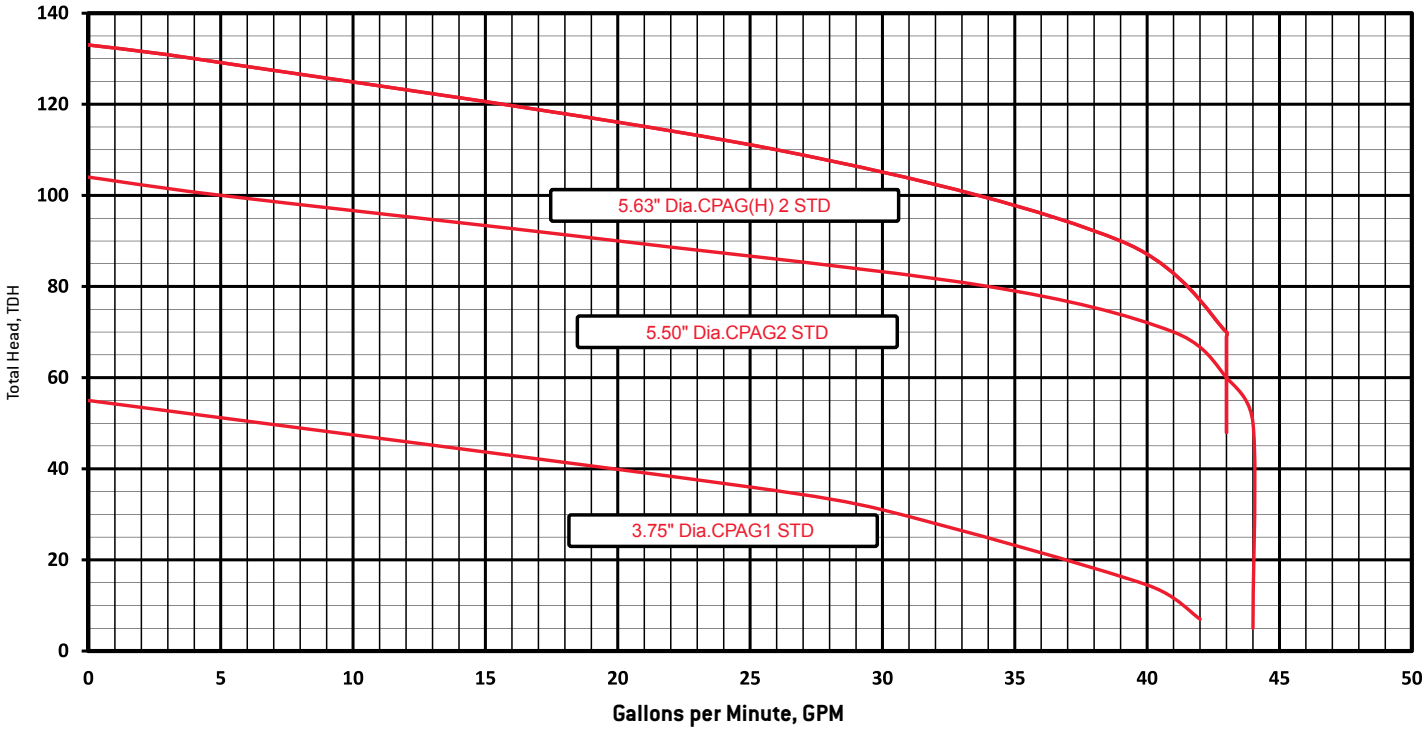
AXIAL CUTTER ASSEMBLY
440 SST (56-60 Rockwell)
- Hardened stainless steel cutter blades
- More than 200,000 cuts per minute
- Designed for today's flushable materials
- Continuous shearing action prevents large debris from entering the pump

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field without having to run a new power cord
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced

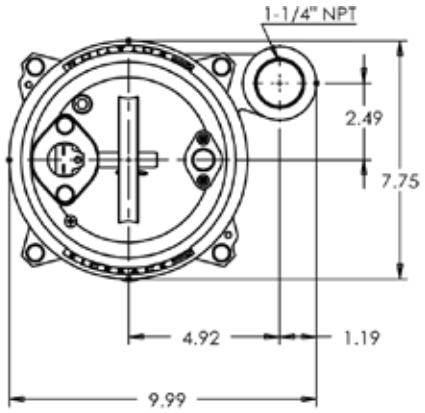
APPLICATIONS
Residential developments, commercial developments and wastewater applications

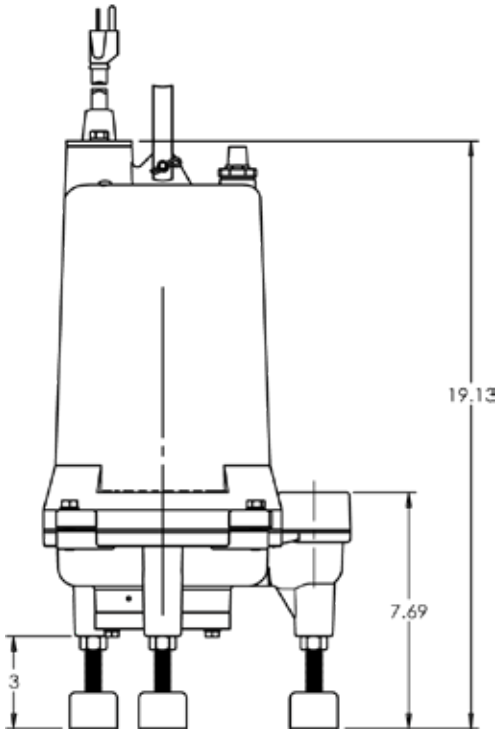
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/4" NPT. Vertical standard or optional 2"
SOLIDS HANDLING	3"
LIQUID TEMPERATURE	140 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex
SHAFT	Stainless Steel
SHAFT SEAL (SINGLE SEAL)	Single mechanical, carbon-rotating face, ceramic-stationary face, Buna-N elastomer, 300 Series stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	10' Length standard. Up to 30' with plug and 100' without plug. (UL/CSA) (SO) 14 AWG (.375 OD), Type SJOW
MOTOR (SINGLE PHASE)	1 or 2 HP 3450 RPM. 60 Hz, Includes overload protection in the motor, oil filled, class F, permanent split capacitor
WEIGHT	78 lbs. (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPAG1011V	1	115	1	13	10'	Vertical Float	No
CPAG1012V	1	115	1	13	20'	Vertical Float	No
CPAG1011(A)	1	115	1	13	10'	M (Wide-Angle Float)	No
CPAG1012(A)	1	115	1	13	20'	M (Wide-Angle Float)	No
CPAG1022(A)	1	208/230	1	7.2/6.5	20'	M (Wide-Angle Float)	No
CPAG2021(A)	2	208/230	1	17/15	10'	M (Wide-Angle Float)	No
CPAG2022(A)	2	208/230	1	17/15	20'	M (Wide-Angle Float)	No
CPAGH2021(A)	2	208/230	1	17/15	10'	M (Wide-Angle Float)	No
CPAGH2022(A)	2	208/230	1	17/15	20'	M (Wide-Angle Float)	No

Champion Pump

CPG(H)DS

2 HP GRINDER

Every pump tested in water to ensure pump meets peformance curve.



2 HP grinder pumps that have a 1-1/4" or 2" optional vertical discharge that handles up to 3" solids

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 133' TDH
- Flows up to 44 GPM

MOTOR
Internal or external capacitor start/ capacitor run 208 to 230v, oil filled motors with upper and lower ball bearings and thermal over load protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Double seal, oil filled chamber
- Provides added leakage protection
- Optional seal failure feature

IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller
- Designed to generate higher heads and reduce clogging by foreign materials
- Provides non-overloading performance

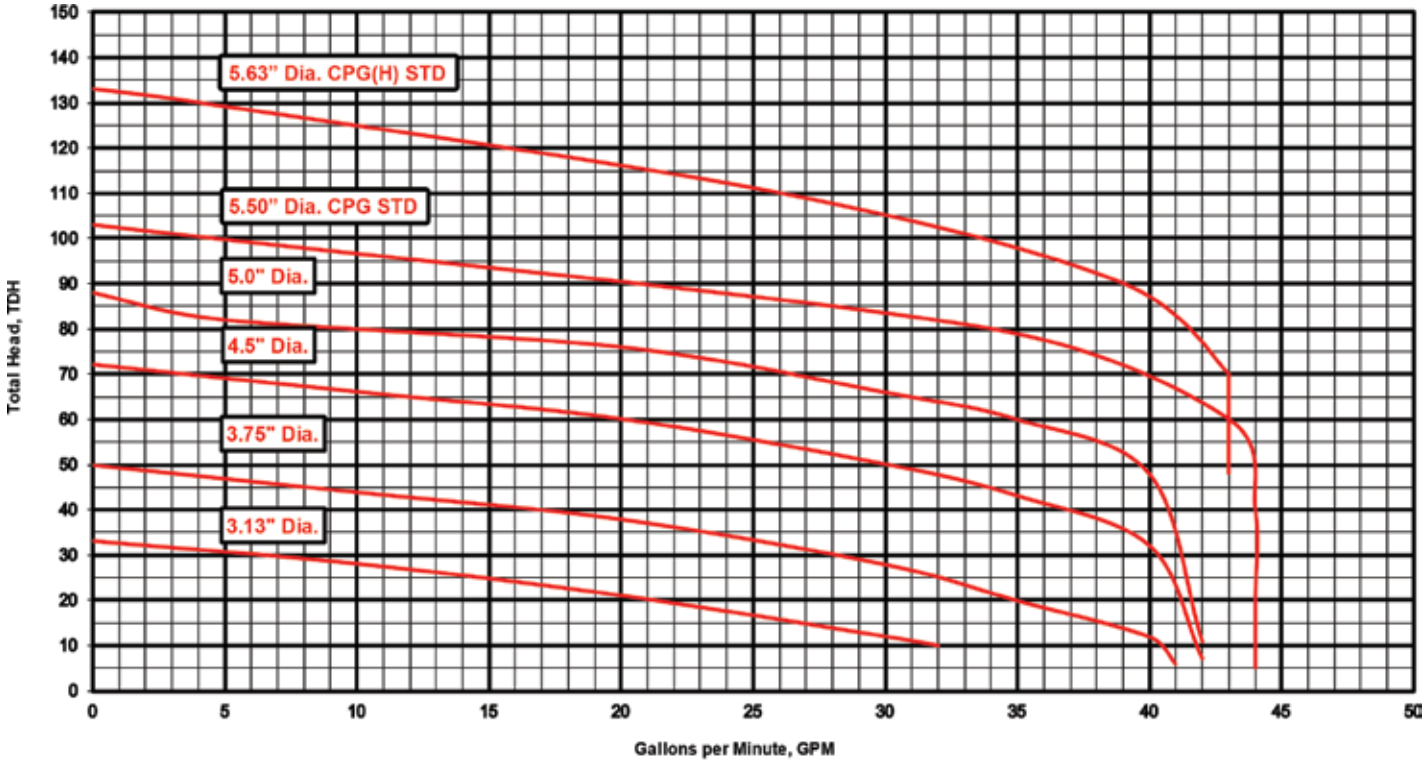
CUTTER ASSEMBLY
440 SST (56-60 Rockwell)
- 24,000 cuts per second and 1.5 million cuts a minute
- Designed to reduce over loading and clogging

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field without having to run a new power cord
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

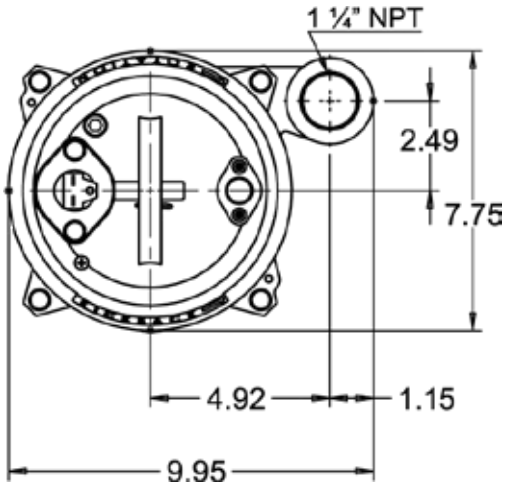
APPLICATIONS
Residential developments, commercial developments and wastewater applications

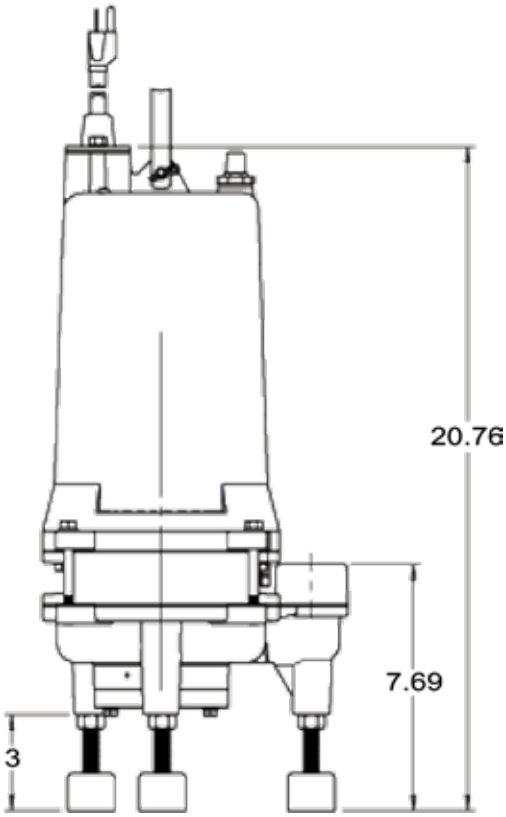
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/4" NPT. vertical standard or optional 2"
SOLIDS HANDLING	3"
LIQUID TEMPERATURE	150 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex
SHAFT	Stainless Steel
SHAFT SEAL (DOUBLE SEAL) with optional seal fail	Tandem double mechanical upper & lower, carbon ceramic, Buna-N elastomer, 300 stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	Quick disconnect 20' cord standard. Up to 30' with a plug and 100' available without a plug. 3 Phase 30' cord standard UL/CSA (SJOW) 14/3 (.375 OD) * UL/CSA (SO) Cord 14 Ga. (.60)
MOTOR (SINGLE PHASE)	2 HP 3450 RPM. 60 Hz, Includes overload protection in the motor, oil filled, class F permanent split capacitor
WEIGHT	75 lbs. Single seal (Manual) 85 lbs. Double seal (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPG2022DS(A)	2	208/230	1	17/15	20'	M (Wide-Angle Float)	No
CPG2023DS(A)	2	208/230	1	17/15	30'	M (Wide-Angle Float)	No
CPG2023DSL	2	208/230	1	17/15	30'	Manual	Yes
CPG2033DSL	2	208/230	3	10/9	30'	Manual	Yes
*CPG2043DSL	2	460	3	4.5	30'	Manual	Yes

Champion Pump

CPAG(H)DS

2 HP
AXIAL GRINDER

Every pump tested in water to ensure pump meets peformance curve.



2 HP grinder pumps that have a 1-1/4" or 2" optional vertical discharge that handles up to 3" solids

FEATURES/BENEFITS

PERFORMANCE
- Heads up to 133' TDH
- Flows up to 44 GPM

MOTOR
Internal or external capacitor start/ capacitor run 208 to 230v, oil filled motors with upper and lower ball bearings and thermal over load protection
- Constant bearing lubrication
- Maximum motor cooling
- Runs cooler and lasts longer
- Internal overload protection
- Quiet operation
- Fasteners and shaft made from rugged, corrosion resistant stainless steel

SEAL DESIGN
Double seal, oil filled chamber
- Provides added leakage protection
- Optional seal failure feature

IMPELLER DESIGN
Non-clog style, cast-iron vortex impeller
- Designed to generate higher heads and reduce clogging by foreign materials
- Provides non-overloading performance

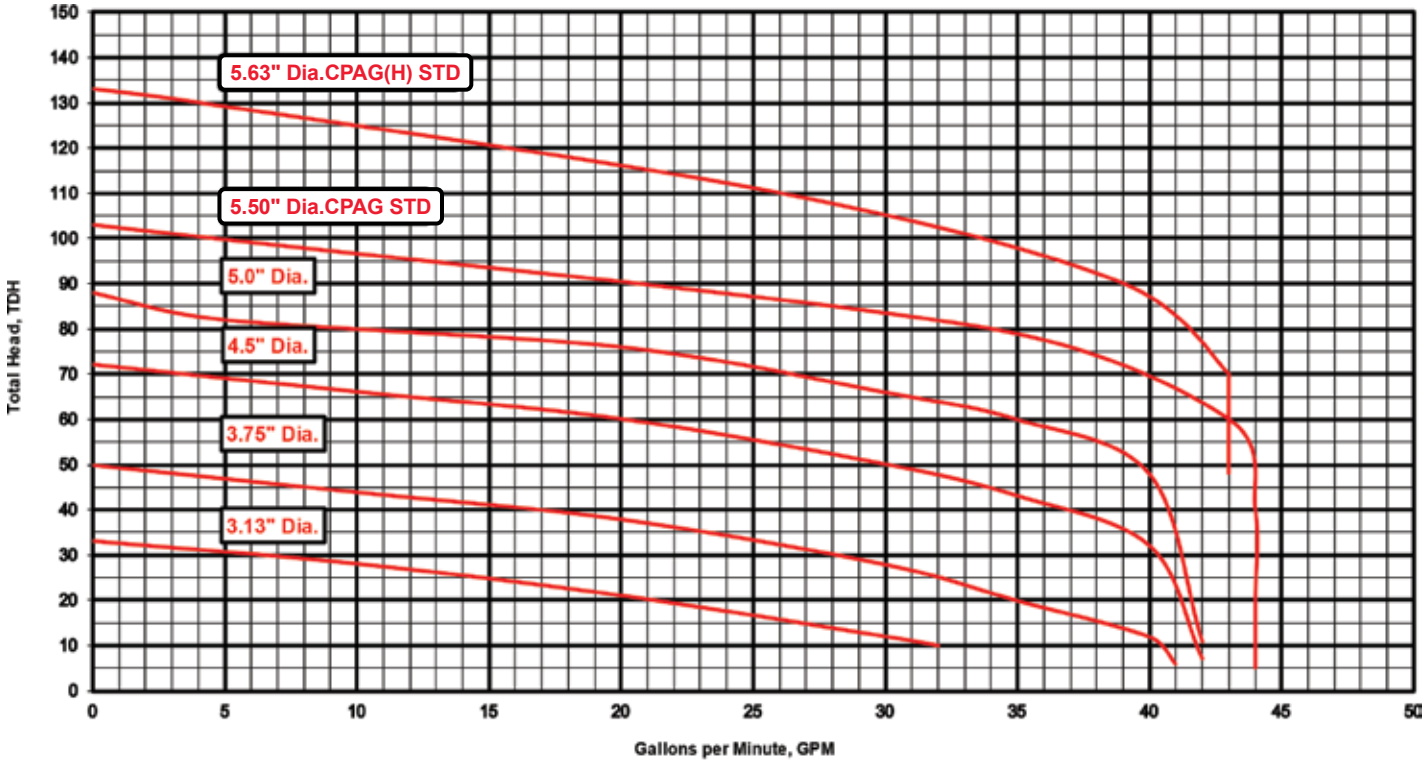
AXIAL CUTTER ASSEMBLY
440 SST (56-60 Rockwell)
- Hardened stainless steel cutter blades
- More than 200,000 cuts per minute
- Designed for today's flushable materials
- Continuous shearing action prevents large debris from entering the pump

POWER CORD
Sealed entry quick disconnect power cords
- Prevents water from entering the motor housing through a cut cord
- Easy to replace in the field without having to run a new power cord
- Available in lengths up to 100'

SWITCH
Piggy-back switch design
- Defective switches can be diagnosed over the phone
- Pump can be operated manually or supplied with other piggy-back switches
- Switch can be replaced without having to replace the pump

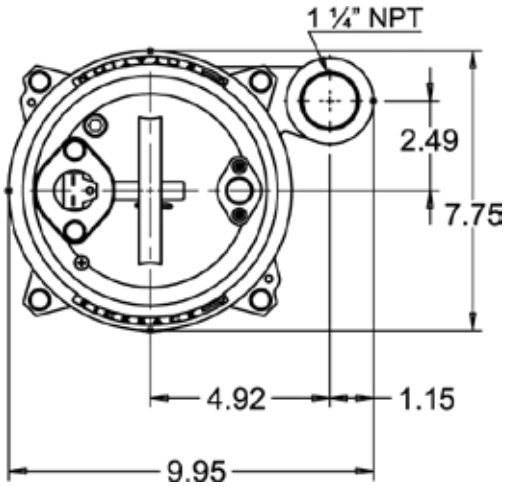
APPLICATIONS
Residential developments, commercial developments and wastewater applications

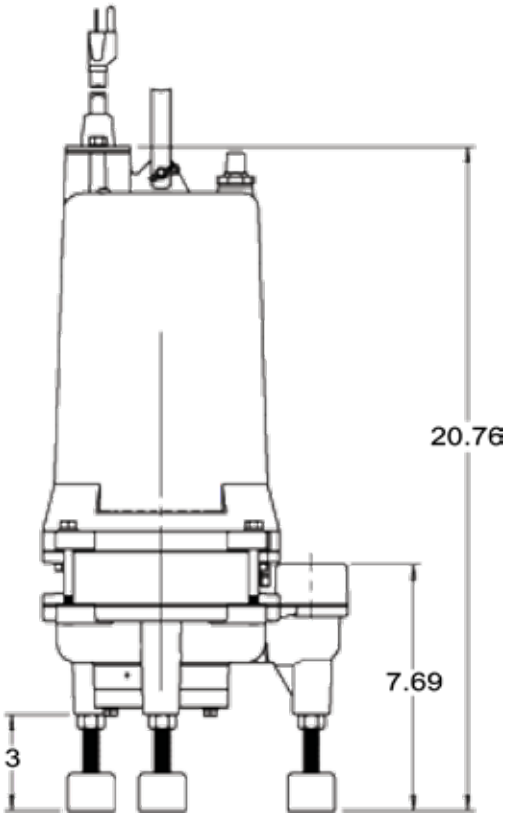
PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/4" NPT. vertical standard or optional 2"
SOLIDS HANDLING	3"
LIQUID TEMPERATURE	150 Degrees F. (Intermittent)
MOTOR HOUSING	Cast Iron
VOLUTE	Cast Iron
SEAL PLATE	Cast Iron
IMPELLER	Cast Iron/Vortex
SHAFT	Stainless Steel
SHAFT SEAL (DOUBLE SEAL) with optional seal fail	Tandem double mechanical upper & lower, carbon ceramic, Buna-N elastomer, 300 stainless steel hardware
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
HARDWARE	300 Series stainless steel
O-RINGS	Buna-N
CORD	Quick disconnect 20' cord standard. Up to 30' with a plug and 100' available without a plug. 3 Phase 30' cord standard UL/CSA (SJOW) 14/3 (.375 OD) * UL/CSA (SO) Cord 14 Ga. (.60)
MOTOR (SINGLE PHASE)	2 HP 3450 RPM. 60 Hz, Includes overload protection in the motor, oil filled, class F permanent split capacitor
WEIGHT	75 lbs. Single seal (Manual) 85 lbs. Double seal (Manual)





MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	AMPS	CORD LENGTH	SWITCH	REQUIRES PANEL
CPAG2022DS(A)	2	208/230	1	17/15	20'	M (Wide-Angle Float)	No
CPAG2023DS(A)	2	208/230	1	17/15	30'	M (Wide-Angle Float)	No
CPAG2023DSL	2	208/230	1	17/15	30'	Manual	Yes
CPAG2033DSL	2	208/230	3	10/9	30'	Manual	Yes
*CPAG2043DSL	2	460	3	4.5	30'	Manual	Yes

Champion Pump

CPGH23

2 HP SUBMERSIBLE GRINDER

Every pump tested in water to ensure pump meets peformance curve.



2HP Extremely High Head Grinder Pumps

FEATURES/BENEFITS

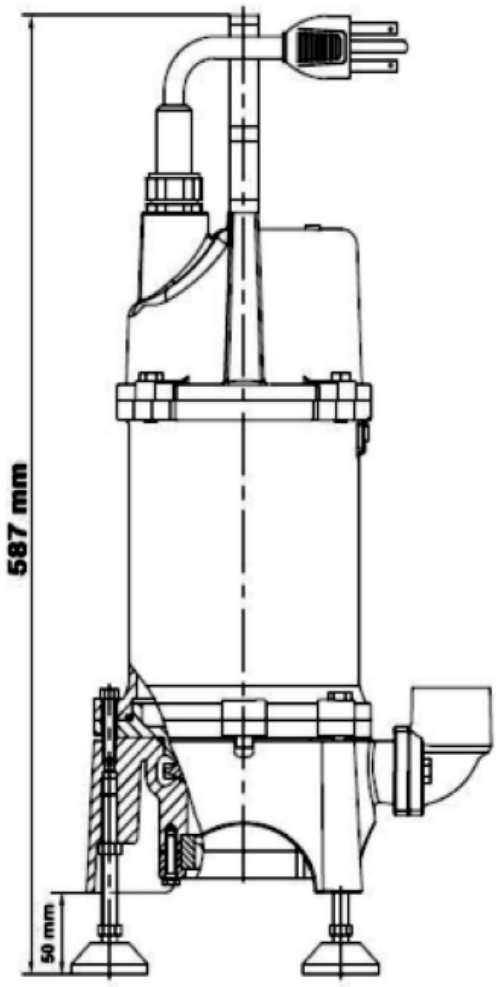
- Oil-filled motor for maximum motor cooling and constant bearing lubrication
- Capacitor start/run design for assured starting, strong torque and grinding under heavy load
- On-Winding current and temperature-sensitive overload
- Pressed stator for precise shaft/ bearing alignment, promoting long life
- Extremely high head up to 205 feet
- Two-sided turbine impeller design
- Grinder impeller and shredding ring are made of 440C stainless steel hardened to 56-60 Rockwell C
- 30' Power cord with 230V Nema Plug

PERFORMANCE CURVE



TECHNICAL DATA

DISCHARGE	1-1/4" NPT, Vertical
LIQUID TEMPERATURE	120 Degrees F. (Continuous)
CORD CAP	Cast Iron ASTM A-48,Class 30
MOTOR HOUSING	Cast Iron ASTM A-48,Class 30
VOLUTE	Ductile Iron
SEAL PLATE	Cast Iron ASTM A-48,Class 30
IMPELLER	440C Stainless Steel Vortex impeller, 60 Vane Dynamically Balanced,ISO G6.3
GRINDER IMPELLER	Hardened 440C Stainless Steel 56-60 Rockwell C
SHREDDING RING	Hardened 440C Stainless Steel 56-60 Rockwell C
SHAFT	420 Stainless Steel
O-RINGS	Buna-N
SEAL: DESIGN	Dual Mechanical in Oil-Filled
SEAL: MATERIAL	Upper-Carbon/Silicone Carbide/Buna-N, Lower Silicone Carbide/Silicone Carbide/ Buna- N, Stainless Hardware
CABLE ENTRY	30 Ft Cord Compression Grommet-Outer Jacket Seal Epoxy Potted–Inner Conductor Seal Butt Connector–Inner Wire Strand Wicking Blockage
BEARINGS (UPPER & LOWER)	Single row, ball, oil lubricated
MOTOR (SINGLE PHASE)	2 HP, 3450 RPM, 60 Hz Dual voltage–208/230 volts Includes Overload Protection in the Motor Oil Filled, Class F Capacitor Start/Capacitor Run



MODEL(S) INFORMATION

MODEL	HP	VOLTS	PHASE	RPM	FULL AMPS	LOCKED AMPS	CORD SIZE	CORD TYPE	CORD O.D.
CPGH23	2	208/230	1/60	3450	15	25	14/3	SOW	0.57"

Champion Pump

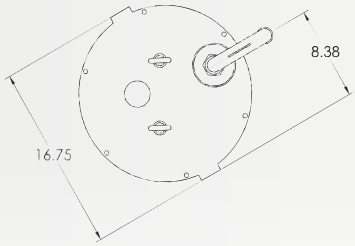
CPG(H) E/ONE

2 HP GRINDER

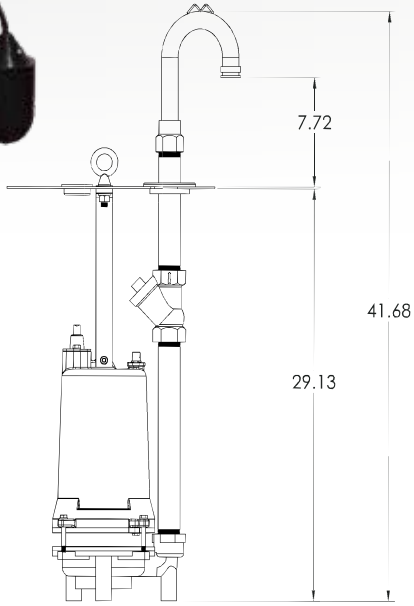
Every pump tested in water to ensure pump meets peformance curve.



From Top



From Side



CPGRE Models



CPGRX Models

RETRO-FIT PACKAGE FOR E/ONE* GRINDER SYSTEMS

Engineered as a fully equipped drop-in replacement kit for the GP200, GP2000 and extreme systems

FEATURES/BENEFITS

Champion's 2 HP grinder pump available in standard CPG2021 model or CPGH2021 high head models

Completely assembled and ready for installation

NEMA 4x waterproof junction box with mounting tabs

Package comes with floats, stainless steel piping, and powder coated steel replacement cover

6-Pin E/One* connector with a 2' cable lead fits into the existing

E/One* connector. Both styles of connectors, new and old, are available

Alarm float, functions as a backup float, that triggers the alarm and turns on the pump if the main switch fails

"One Size Fits All" discharge elbow original equipment manual override switch remains operable

Rugged, heavy duty, cast iron grinder pumps designed for sewage and wastewater handling, residential and commercial applications

Includes 10' Rope



Dual Purpose Float



JB664 Junction Box



APPLICATIONS

Rugged, heavy duty, cast iron grinder pumps designed for sewage and wastewater handling, residential and commercial applications

See CPG series literature for complete model data and specs. Contact Engineers for specific sizing and Technical Questions

E/One® is a registered trademark of Environment One Corporation and is not affiliated with Champion Pump

QUICK SHIP BASIN PROGRAM

COMPLETE GRINDER PACKAGE UNITS ARE READY TO SHIP WITHIN 48 HOURS.

They include the FG Basin package system complete with rails, 2HP grinder pump, floats, and panel.



FEATURES/BENEFITS

- Ships in 24-48 hours
- 208-230v/1ph Phase 2HP Grinder (Other voltages/ phase available)
- Standard cord length - 20'
- Pre-assembled with Flo Pro base elbow assembly
- Anti-flotation collar and solid fiberglass lid
- Pump, panel and floats included
- 4" fiberglass inlet with rubber grommet shipped loose
- 2" piping and discharge
- 3 year warranty

PUMP MODEL	SIMPLEX/ DUPLEX	BASIN		DISCHARGE DEPTH	PART NUMBER
		DIAMETER	DEPTH		
CPG2022A	Simplex	24"	48"	18"	CPS2448A
CPG2022	Simplex	24"	48"	18"	CPS2448
		24"	60"	24"	CPS2460
		24"	72"	36"	CPS2472
		24"	84"	36"	CPS2484
	Duplex	36"	48"	18"	CPD3648
		36"	72"	36"	CPD3672

EXTENSIONS

Part Number	Description
25-2400-2002	24" x 12" FG Extension
25-3612-2002	36" x 12" FG Extension
25-2424-1202	24" x 24" FG Extension
25-3624-1202	36" x 24" FG Extension

PRE-PLUMBED BASIN SYSTEMS

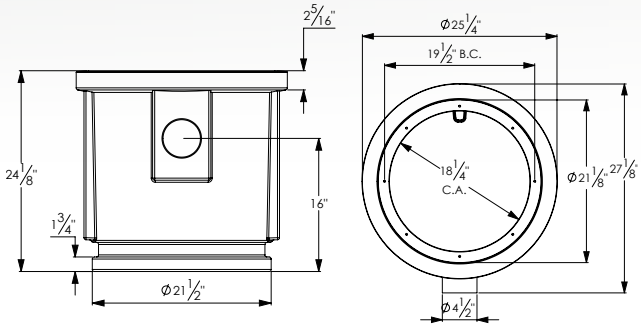
PRE-PLUMBED SEWAGE PUMP SYSTEMS WITH 24 X 24 OR 18 X 30 BASINS

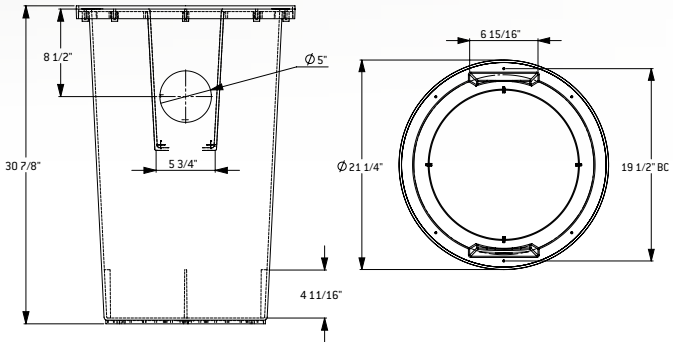


24 X 24 BASIN



18 X 30 BASIN





SYSTEM INCLUDES

- 1/2 HP cast iron sewage pump with non-clog vortex impeller, tethered float and piggyback plug
- 24 x 24 poly basin or 18 x 30 structural foam basin
- 2D/2V basin covers (2" threaded discharge flange, 2" threaded vent flange, access port with float pole, dedicated power cord and switch cord grommets)

HIGH-WATER ALARM FEATURES

- Emits an 87 dB audible alarm when switch is activated
- Easy-to-use test/silence button located conveniently on front of alarm
- Operates on battery power during a power outage
- 15' Float Included
- Only available with the specific models as listed below

ITEM	PACKAGE DESCRIPTION	SEWAGE PUMP	PACKAGE MODEL
24786	24X24 Sewage Package with 1/2 HP Sewage Pump	CPEW5A-11*	CPEW5A-2424
24787	24X24 Sewage Package with 1/2 HP Sewage Pump	CPW5A-11**	CPW5A-2424
24949	24X24 Sewage Package with 1/2 HP Sewage Pump and High-water Alarm	CPEW5A-11	CPEW5A-2424A
24764	24X24 Sewage Package with 1/2 HP Sewage Pump and High-water Alarm	CPW5A-11	CPW5A-2424A
24780	18X30 Sewage Package with 1/2 HP Sewage Pump	CPEW5A-11	CPEW5A-1830
24653	18X30 Sewage Package with 1/2 HP Sewage Pump	CPW5A-11	CPW5A-1830

*Pump details for CPEW can be found on pages 16-17
**Pump details for CPW can be found on pages 18-19

PRE-PLUMBED BASIN SYSTEMS

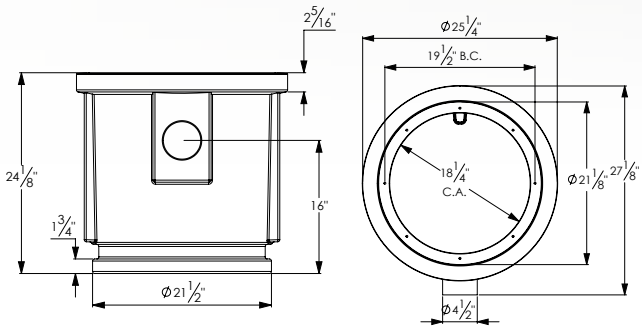
PRE-PLUMBED GRINDER PUMP SYSTEMS WITH 24 X 24 OR 18 X 30 BASINS

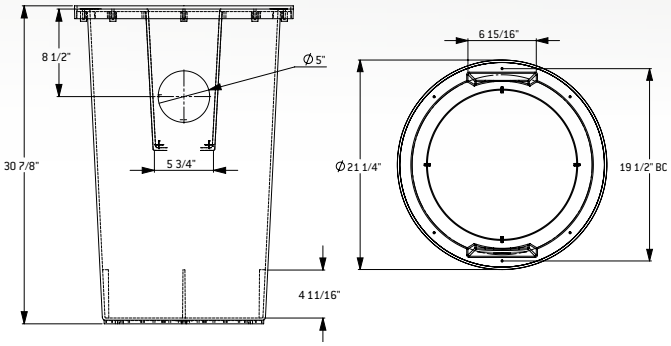


24 X 24 BASIN



18 X 30 BASIN





SYSTEM INCLUDES

- 1 HP cast iron grinder pump with non-clog vortex impeller, tethered float and piggyback plug
- 24 x 24 poly basin
- 2D/2V basin covers (2" threaded discharge flange, 2" threaded vent flange, access port with float pole, dedicated power cord and switch cord grommets)

HIGH-WATER ALARM FEATURES

- Emits an 87 dB audible alarm when switch is activated
- Easy-to-use test/silence button located conveniently on front of alarm
- Operates on battery power during a power outage
- 15' Float Included
- Only available with the specific models as listed below

ITEM	PACKAGE DESCRIPTION	GRINDER PUMP	PACKAGE MODEL
24950	24X24 Grinder Package with 1 HP Grinder Pump, 115V, Tethered Float, 10ft Cord	CPG1011A*	CPG1011A-2424
23671	24X24 Grinder Package with 1 HP Grinder Pump, 115V, Tethered Float, 20ft Cord	CPG1012A	CPG1012A-2424
23014	24X24 Grinder Package with 1 HP Grinder Pump, 230V, Tethered Float, 20ft Cord	CPG1022A	CPG1022A-2424
24765	24X24 Grinder Package with 1 HP Grinder Pump, 115V, Tethered Float, 10ft Cord and High-water Alarm	CPG1011A	CPG1011A-2424A
24920	18X30 Grinder Package with 1 HP Grinder Pump, 115V, Vertical Float, 10ft Cord	CPG1011V	CPG1011V-1830S

*Pump details for CPG can be found on pages 24-25

SUBMERSIBLE SEWAGE, NON-CLOG



CP2SV
Stainless Series



CPG3-7.5



CPSE



CP3NC-DS



CP4CP



CP4NC-SS



CP4SE-DS



CP4NC-DS



CP4NC-H



CP6NC-1150



CP6NC-1750



CP6NC-H



CP8NC

Champion Pump provides you and your organization with most of our larger sewage and non-clog pumps in as little as 24 hours. We stock anything from 1.5 HP sewage pumps through 60 HP 8" Non clog pumps.

SELECTION CHART

MODEL	DISCHARGE	SOLIDS	HP	RPM	TDH MAX	FLOW MAX	MOTOR	SEAL
CP2SV Stainless Series	2" & 3"	1-1/2" & 2"	0.5, 1, 2, 3, 7.5	3500	99'	310 GPM	For continuous duty, 1 & 3 phase, 3450 RPM, dry type, insulation class B, protection IP68, 115, 230/460 volts. Built-in capacitor for single phase motors	Double
CPG3-7.5	2"	GRINDER	3,5,7.5	3450	160'	104 GPM	Single phase: NEMA L, capacitor start/run (to be located in control panel), 230 volts, 60 Hz, 3500 RPM, oil filled. Class F insulation. Three phase: NEMA B, 230/460 volts, 60 Hz, 3500 RPM, oil filled. Class F insulation.	Double
CPSE	3" NPT flange vertical	2-1/2"	1.5, 2, 3	1750	65'	435 GPM	Single phase: permanent split capacitor, 230 volts, 60 Hz, oil filled, with overload protection in motor. Three phase: 230/460 volts, 60 Hz, oil filled. Requires overload protection to be included in control panel.	Single
CP3NC-DS	3" flange horizontal	2-1/2"	2-5	1750	65'	480 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled, with class F insulation. Requires overload protection to be included in control panel.	Double
CP4CP	4"	CUTTER	3	1750	78'	645 GPM	Three phase: 3 HP to 10 HP, 1750 RPM, 60 Hz. Air-filled watertight, built-in overload, IP 68 protection and class B insulation	Double
CP4NC-SS	4" flange horizontal	3"	2.8-5	1750	47'	520 GPM	Single phase: NEMA L, permanent split capacitor, 230 volts, 60 Hz, oil filled NEMA B, three phase, 230/460 volts, 60 Hz, oil filled, with class F insulation. Requires overload protection to be included in control panel.	Single
CP4SE-DS	4" flange horizontal	3"	2-7.5	1750	60'	620 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled, with class F insulation. Requires overload protection to be included in control panel.	Double
CP4NC-DS	4" flange horizontal	3"	4.5-15	1750	100'	940 GPM	Single phase: NEMA L, permanent split capacitor, 230 volts, 60 Hz, oil filled NEMA B, three phase, 230 & 460 volts, 60 Hz, oil filled, with class F insulation. Requires overload protection to be included in control panel.	Double
CP4NC-H	4" flange horizontal	3"	7.5-15	1750	92'	900 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled. Requires overload protection to be included in control panel	Double
CP6NC-1150	6" flange horizontal	4"	9-30	1150	114'	2000 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled. Requires overload protection to be included in control panel	Double
CP6NC-1750	6" flange horizontal	4"	18-60	1750	160'	1920 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled. Requires overload protection to be included in control panel	Double
CP6NC-H	6" flange horizontal	3"	30-60	1750	158'	2500 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled. Requires overload protection to be included in control panel	Double
CP8NC	8" flange horizontal	3"	36-48	1150	76'	4250 GPM	NEMA B, three phase, 230/460 volts, 60 Hz, oil filled. Requires overload protection to be included in control panel	Double

BACK-UP SYSTEMS





BBUP BATTERY BACKUP SYSTEM

The BBUP 900, 1500 and 2300 simplex inverter systems convert battery power to run your standard 115V pump

PERFORMANCE & FEATURES:

- Automatically switches to battery power
- Provides full pump performance, operating on AC or DC power
- Primary pump runs on battery when AC power is not available
- Do not need a second pump for system
- Proper sized inverter will run two pumps
- Indicator lights for mode of operation
- System includes: 1 pump, inverter, switch, cables, battery box and check valve. Battery not included

BBUPD DUPLEX BACKUP SYSTEM

The BBUPD 900, 1500 and 2300 duplex inverter systems convert battery power to run your standard 115V pumps

PERFORMANCE & FEATURES:

- Automatically switches to battery power
- Provides full pump performance, operating on AC or DC power
- Complete system runs on battery power when AC power is not available
- Pumps alternate so that both pumps get used equally
- Second pump will automatically come on if first pump does not keep up with incoming flow or fails
- Built in alarm will sound if both pumps can't keep up with incoming flow
- Utilizes one switch for protection against switch failure
- Self diagnoses and will notify if pump fails
- System includes: 2 pumps, inverter, 2 switches, cables, battery box and 2 silent check valves. Battery not included

INVERTERS

Inverters may be purchased separately.

100 AH DEEP CYCLE BATTERY

FEATURES/BENEFITS

- Maintenance-free design does not require regular addition of water or acid for proper operation
- Sealed enclosure eliminates spilled acid from tipped battery and hydrogen gas venting
- Absorbent glass mat technology for superior performance; valve-regulated, spill-proof construction allows safe operation in any position
- The sealed design is easy to transport and install without worrying about spills





ITEM	DESCRIPTION	MODEL	UNITS/CASE
27925	Deep Cycle Battery 12VDC/100AH	CPB100	1

UTILITY PUMPS



CPACE

Rugged, heavy duty, self-priming utility pump is designed for water transfer, draining hot water tanks

PERFORMANCE & FEATURES

- 1/2 HP self-priming pump with air cooled motor. Discharges through a 1/2" discharge or 1/2" garden hose connector
- Heads up to 120' TDH and flow up to 25 GPM
- Glass reinforced plastic impeller
- On/Off Switch
- 10' power cord
- Includes 1/2'' garden hose connector, suction strainer and extra set of brushes



CPU16

Dependable utility pump designed for dewatering and water transfer. Pumps down to 1/8" without secondary screen

PERFORMANCE & FEATURES

- 1/6 HP psc motor that discharges through a 1/2" garden hose connector
- Heads up to 27' TDH and flow up to 17.5 GPM
- High efficient, permanent split capacitor motor with upper and lower ball bearings
- Pumps down to 1/8" without secondary screen
- Nylon + 30% fiberglass impeller
- 10' power cord



CPS5HT

Rugged, heavy duty, self-priming utility pump is designed for water transfer, draining hot water tanks

PERFORMANCE & FEATURES

- 1/2 HP submersible high temperature (Pumps that handle up to 3/4" solids and have a 2" discharge)
- Heads up to 26' TDH and flow up to 43 GPM
- High efficient, oil filled, permanent split capacitor motor with upper and lower ball bearings and thermal overload protection
- Available in 115v or 230v
- Fasteners, handle, bracket and shaft made from rugged, corrosion resistant stainless steel
- Non-clog style, cast-Iron, vortex Impeller reduces clogging by foreign materials
- Sealed entry, quick-disconnect power cords available in lengths up to 100'
- Type 21 inboard seal design with secondary exclusion seal. Rotating components are in the motor housing, being lubricated by the motor oil, preventing foreign matter from wrapping around the seal components
- Designed for hot water applications up to 185°
- Pump dimensions: 11.7"H x 6.46"W x 9.4"
- Pump can also be operated manually

OIL SENSE ELEVATOR SYSTEMS

ELEVATOR SYSTEM AND CONTROL PANEL

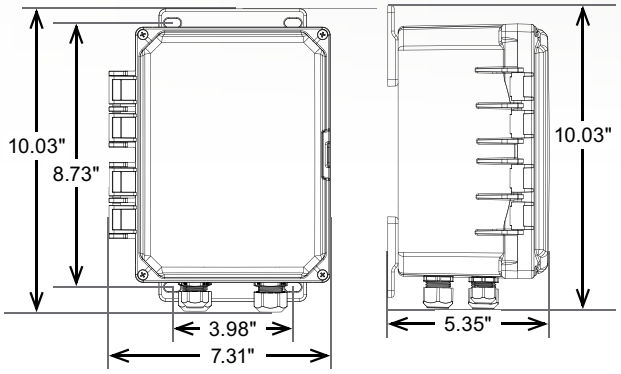
The Oil Sense is used for the safe operation of pumping, alarming, and monitoring of elevator sump pits, transformer vaults, and leachate well applications in order to remove water from pits, stopping the pump before oil or other harmful substances enter the water supply.



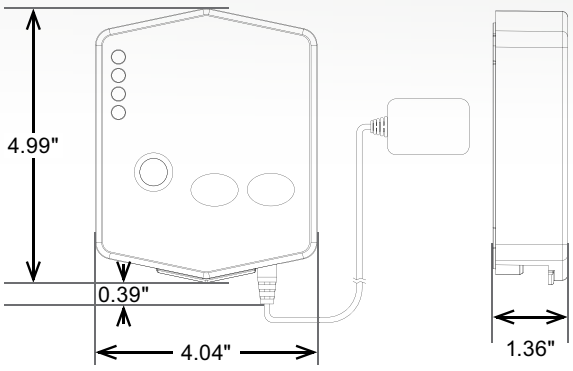
FEATURES/BENEFITS

- Complete packaged system
- Oil Sense control
- Remote alarm
- 1/3 or 1/2 HP Sump/Effluent pump
- 115 or 230V Pump models
- 1-1/2" or 2" Discharge
- Easy clamp-mount installation, with plug-in ready wiring
- Available in Single or Three-Phase

Oil Sense Control Panel



Oil Sense 3-Zone Alarm Panel



ITEM	DESCRIPTION	VOLTS	MODEL
23831	Oil Sense Controls and Alarm Only	120	COS14A-120V
23832	Oil Sense Controls and Alarm Only	230	COS14A-230V
24947	Oil Sense Controls and Alarm Only–For 9-14 AMP pumps	230/3ph	COS914A-3PH

ITEM	PACKAGE DESCRIPTION	PUMP	VOLTS	PACKAGE MODEL
24710	Oil Sense Controls and Alarm with 1/3 HP Sump Pump	CPS3-12*	115	OCS312
24943	Oil Sense Controls and Alarm with 1/2 HP Sump Pump	CPS5-12**	115	OCS512
24707	Oil Sense Controls and Alarm with 1/2 HP Effluent Pump	CPE5-12***	115	OCE512
24942	Oil Sense Controls and Alarm with 1/2 HP Effluent Pump	CPE55-12	115	OCE5512
24709	Oil Sense Controls and Alarm with 1/2 HP Effluent Pump	CPE5-22	230	OCE522
24711	Oil Sense Controls and Alarm with 1/2 HP Effluent Pump	CPSTEP512****	115	OCSTEP5
24712	Oil Sense Controls and Alarm with 1/2 HP Effluent Pump	CPSTEP522	230	OCSTEP522

*Pump details for CPS3 can be found on pages 4-5
**Pump details for CPS5 can be found on pages 8-9
***Pump details for CPE can be found on pages 10-11
****Pump details for CPSTEP can be found on pages 14-11

CUSTOM BUILT CONTROL PANELS

ELECTRIC CONTROL PANELS, QUALITY PARTS AND ACCESSORIES PROVIDER



We work closely with you to prepare quotes and submittals to meet specs on the required deadline. Quotes delivered within 24 to 48 hours and submittals, if requested, within 48 to 72 hours.



Once you've submitted your PO, our team will get to work to build your panel, ready within 2 to 3 weeks from order, depending on part availability.



Prior to shipping all panels are inspected and tested to ensure your panel is built to the required specifications.

Stock panels with high water alarm and separate alarm circuit breaker:

- **CPSIM**
  115V to 230V simplex
- **CPSIM-TD**
  115V to 230V simplex-timed dose with elapsed time meter & cycle counter
- **CPDUP**
  115V to 230V duplex
- **CPSIM23RSSF**
  230V simplex grinder panel with start and run capacitors and seal fail
- **CPDUP23RSSF**
  230V duplex grinder panel with start and run capacitors and seal fail

CHECK VALVES



RUBBER HOSE, SLIP X SLIP

FEATURES/BENEFITS

Rubber hose valves are designed for easy installation over standard sump pump lines • Flappers are nested and have a convex shape for a long life • Stainless steel worm gear clamps • Special texture on housing for improved hose grip • Hydrodynamic shape • Durable, injection molded & gasketless ABS housing • Fits copper, PVC, or IPS pipe • Can be mounted vertically or horizontally • SILENT operating check valve, eliminates hammering • 24-1515-0003 has 1-1/2 Full Flow that is optimized to fit only 1-1/2" pipe offering 17% improved flow capability

Certain models available with clear housings, special order only

APPLICATIONS

Designed for standard residential sump pump applications



SLIP X SLIP

FEATURES/BENEFITS

Slip x Slip valves are designed with slip ends that allows quick installation over PVC pipe • Flappers are nested and have a convex shape for long life • Hydrodynamic shape • Durable, Injection molded and gasketless ABS housing • Fits PVC pipe • Can be installed vertically or horizontally • SILENT operating check valve, eliminates hammering monitoring

Certain models available with clear housings, special order only

APPLICATIONS

Designed for standard sump pump applications



TRUE UNION SWING

FEATURES/BENEFITS

True union coupling allows easy swing out for service or inspection and have EPDM O-ring seals • Flappers are nested and have a convex shape for long life • Ball valves have EPDM O-ring seats • Durable, Injection molded and gasketless ABS housing • Fits PVC pipe • SILENT operating check valve, eliminates hammering • Durable, Injection molded and gasketless ABS housing on certain models

Certain models available with clear housings, special order only

APPLICATIONS

Designed for heavy duty use on home ejector pump applications



COMPRESSION SWING

FEATURES/BENEFITS

Compression valves are designed for easy installation that require no glue for standard sump pump lines • Flappers are nested and have a convex shape for long life • Ball valves have EPDM O-ring seats • Durable, Injection molded and gasketless ABS Housing • Fits PVC pipe • SILENT operating check valve, eliminates hammering

Certain models available with clear housings, special order only

APPLICATIONS

Designed for standard sump pump applications

REF ID	MODEL	SIZE	DESCRIPTION	CARTON QTY
A	24-1515-0000	1-1/2"	ABS CHECK VALVE	24
B	24-1112-0004	1-1/4" & 1-1/2"	COMBINATION ABS CHECK VALVE	24
C	24-1515-0003	1-1/2"	FULL FLOW ABS CHECK VALVE	24
D	24-2020-0000	2"	FULL FLOW ABS CHECK VALVE	12
E	24-1515-SL00	1-1/2"	SILENT CHECK VALVE	16
F	24-2020-SL00	2"	SILENT CHECK VALVE	12
G	24-2020-0003	2"	COMPRESSION SWING CHECK VALVE	6
H	24-2020-0004	2"	BALL/CHECK COMPRESSION SWING COMBO	6
I	24-2020-SL03	2"	SILENT COMPRESSION SWING CHECK VALVE	6
J	24-2020-SL04	2"	SILENT BALL/CHECK COMPRESSION SWING COMBO	6
K	24-1515-0002	1-1/2"	TRUE UNION SWING CHECK VALVE	9
L	24-2020-0002	2"	TRUE UNION SWING CHECK VALVE	6
M	24-15BC-0002	1-1/2"	BALL/CHECK UNION SWING COMBO	9
N	24-20BC-0002	2"	BALL/CHECK UNION SWING COMBO	6
O	24-1515-SL02	1-1/2"	SILENT TRUE UNION SWING CHECK VALVE	9
P	24-2020-SL02	2"	SILENT TRUE UNION SWING CHECK VALVE	6
Q	24-15BC-SL02	1-1/2"	SILENT BALL/CHECK UNION SWING COMBO	9
R	24-20BC-SL02	2"	SILENT BALL/CHECK UNION SWING COMBO	6
S	CVSLIP15	1-1/2"	SLIP x SLIP ABS CHECK VALVE	24
T	CVSLIP20	2"	SLIP x SLIP ABS CHECK VALVE	12
U	24-1515-SL03	1-1/2"	SILENT SLIP x SLIP ABS CHECK VALVE	24
V	24-2020-SL05	2"	SILENT SLIP x SLIP ABS CHECK VALVE	12

ACCESSORIES



EZ REPLACEMENT PARTS
Compatible with any EZ style base elbow



REPLACEMENT PARTS 1-1/4 to 3"



PULL-OUT KITS
Complete with 304 stainless steel hardware and red rubber gasket



CHAIN ANCHOR & KITS
Custom kits can be made to any length and number of shackles/float clamps



RWG RERO FIT
Retrofit for existing 1-1/4" RWG stations



GATE VALVES & EXTENSION RODS
Brass forged body, individually tested



BALL CHECK VALVES
Cast iron construction with a solid rubber nitrile ball



TANK VENTS
Weatherproof, bug proof and powder coated for corrosion resistance



CPGRE MODELS



CPGRX MODELS



ADAPTERS



1/8 TO 3/8" CHAIN GRABBER
Made from 1/2" thick 304 stainless steel



CHAIN
Made from 316 stainless steel and sold by the foot or barrel quantities



CHAIN & SHACKLE KIT
Custom kits can be made to any length and number of shackles



SHACKLES
Made from 316 stainless steel



QUICK LINKS
Made from 316 stainless steel



EYE BOLTS
Made from 304 stainless steel



FULL COUPLINGS
Includes stainless steel mounting hardware and gasket tape



INLET HUBS
Includes stainless steel mounting hardware and gasket tape



FIBERGLASS FLANGES
Plastic reinforced fiberglass, UV resistant



FULL GASKETS & SEALING RINGS



CLOSE NIPPLE
Schedule 80 PVC



PIPE GROMMETS



FLOAT BRACKET HOLDER
Mountable float bracket holder for quick and easy removal/installation



L-TYPE FLOAT BRACKETS
Made from 304 stainless steel, includes cord snubbers



T-TYPE FLOAT BRACKETS
Made from 304 stainless steel, includes cord snubbers



U-TYPE FLOAT BRACKETS
Made from 304 stainless steel

ACCESSORIES



Champion Pump offers a full line of lift station accessories that Include base elbow rail systems for 1-1/4" through 6" pumps, upper guide brackets, intermediate guide brackets, bulk chain & shackles, float brackets, tank vents and more. Having the luxury of an interchangeable rail system that is compatible with pumps in today's market, as well as the ability to adapt to many existing rail systems in the field, Champion Pump prides itself on having the correct solution for the job.



UPPER GUIDE BRACKETS
Made From 304 Stainless Steel



INTERMEDIATE GUIDE BRACKETS
Made From 304 Stainless Steel



REPLACEMENT LIFT-OUT FLANGE
Ductile Iron with Powder Coat Finish
and Stainless Steel Accessories



BASE ELBOW EXTENSION STAND
10" Extension Stand to Raise Base
Elbow for 1-1/4 to 3" Applications

ALARM SYSTEMS

SJE RHOMBUS



Xpert Alert®
Indoor Alarm



Xpert Alert® WiFi
Indoor Alarm



Tank Alert® EZ
Indoor/Outdoor Alarm



Tank Alert® XT
Indoor/Outdoor Alarm

Alarm System	Location	Float Switch	Cord Length	Volts
Xpert Alert®	Indoor	SJE MilliAmpMaster™ control switch with mounting clamp	6ft	120 VAC, 60 Hz
Xpert Alert® WiFi	Indoor	SJE MilliAmpMaster™ control switch with mounting clamp	6ft	120 VAC, 60 Hz
Tank Alert® EZ	Indoor/Outdoor	SJE SignalMaster® control switch with mounting clamp	6ft (Optional with 120V model)	120 VAC, 50/60 Hz 240 VAC, 50/60 Hz
Tank Alert® XT	Indoor/Outdoor	SJE SignalMaster® control switch with mounting clamp	6ft (Optional)	120 VAC, 50/60 Hz



PUMP SWITCHES

Wide-angle pump switches directly control pumps up to 3 HP at 250 VAC. Each switch features an adjustable pumping range.

Pump Switch	Type of Activation	Pump Control	Max Pump Run Current	Max Pump Start Current	Pumping Rage
SJE PumpMaster® WPS	Mechanical	1/2 HP, 120V; 1 HP, 230V Min load: 120V, 100mA	13A, 120V 13A, 230V	85A, 120V 85A, 230V	7 to 36"
SJE PumpMaster®	Mechanical	1/2 HP, 120V 1 HP, 230V	13A, 120V 13A, 230V	85A, 120V 85A, 230V	7 to 36"
SJE PumpMaster® Plus	Mechanical	3/4 HP, 120V 2 HP, 230V	15A, 120V 15A, 230V	85A, 120V 85A, 230V	7 to 36"
SJE PumpMaster® SPDT (Single Pole, Double Throw)	Mechanical	1/2 HP, 120V; 1 HP, 230V	13A, 120V 13A, 230V	85A, 120V 85A, 230V	7 to 36"
Double Float® Master	Mechanical	15 FLA, 90 LRA 120 or 240V	15A, 120V 15A, 240V	90A, 120V 90A, 230V	3 to 48" (wider available)
SJE AmpMaster®	Mechanical	1-1/2 HP, 120V 3 HP, 250V	20A, 125V 20A, 250V	120A, 125V 120A, 250V	9 to 24"
SJE VerticalMaster® (For Limited Space Applications)	Mechanical	1/2 HP, 120V 1 HP, 230V	13A, 120V 13A, 230V	60A, 120V 78A, 230V	0.75 to 6.5"
SJE MicroMaster® AC/DC	Mechanical	Use Pump Run and Start Current	10A, 12 VDC 10A, 125 VAC 8A, 250 VAC	100A, 12 VDC 60A, 125V 60A, 250V	8 to 36"
SJE MicroMaster® Plus WS	Mechanical	Use Pump Run and Start Current	13A, 125V 12A, 250V	78A, 125V 72A, 250V	8 to 36"
Junior Super Single®	Mercury	1/2 HP, 120V 1 HP, 230V	13A, 120V 8A, 230V	40A, 120V 20A, 230V	6.5 to 19"
Super Single®	Mercury	1 HP, 120V 2HP, 230V	15A, 125V 12A, 230V	55A, 125V 35A, 230V	6.5 to 13.5"
Double Float®	Mercury	1 HP, 120V 2 HP, 230V	15A, 120V 12A, 230V	55A, 120V 35A, 230V	1.75 to 48" (wider available)
SJE HiTempMaster®	Mechanical	Use Pump Run and Start Current	13A, 120V 13A, 230V	78A, 125V 78A, 250V	8 to 36"



CONTROL SWITCHES

Narrow-angle control switches accurately monitor high–normally open(NO) or low– normally closed(NC) liquid level conditions in water and sewage applications to activate control panels and alarms. Select models have colored caps for easy identification.

Control Switch	Type of Activation	Control Differential	Electrical Rating	Mounting Options
System EZconnex® Float Switch (NO, Narrow or Wide Angle–Blue Cap; NC, Narrow or Wide Angle–Red Cap)	Mechanical	Narrow 1.5"; Wide 4" above or below horizontal	1mA to 1A 4 VDC or 125 VAC	Mounting clamp or cable weight
SJE MegaMaster®	Mechanical	Approximately 10° above or below horizontal	1mA to 1A 4 VDC or 125 VAC	Internal weight
SJE SignalMaster® (NO–Yellow Cap; NC–White Cap)	Mechanical	Approximately 1.5" above or below horizontal	5 amp 125V or 250V	Mounting clamp or cable weight
SJE SignalMaster® SPDT (Single Pole, Double Throw–Green Cap)	Mechanical	Approximately 1.5" above or below horizontal	5 amp 125V or 250V	Mounting clamp or cable weight
SJE MilliAmpMaster™ WPS (WPS Control Switch–Orange Cap)	Mechanical	Approximately 1.5" above or below horizontal	1mA to 1A 4 VDC or 125 VAC	Mounting clamp
SJE MilliAmpMaster™ (Narrow or Wide Angle–Blue Cap)	Mechanical	Narrow 1.5"; Wide 4" above or below horizontal	1mA to 1A 4 VDC or 125 VAC	Mounting clamp or cable weight
Sensor Float®	Mercury	Approximately 0.5" above or below horizontal	5 amp 120V or 230V	Mounting clamp, cable weight, internal weight
Sensor Float® Mini	Mercury	Approximately .5" above or below horizontal	5 amp 120V or 230V	Mounting clamp or cable weight

FIBERGLASS & POLY PRODUCTS



FIBERGLASS PRODUCTS

- Fiberglass Basins
- Fiberglass Basin Accessories
- Fiberglass Extensions
- Basin Covers
- Basin Cover Accessories
- H20 Covers
- Fiberglass Triple Garage Basins
- Prefabricated Lift-out Stations

POLY PRODUCTS

- Sump Pit & Sewage Basins
- Covers & Accessories
- Water Boxes & Sink Trays
- Triple Garage Systems
- Pump Jon

QUICK SHIP PROGRAM

- Complete simplex and duplex packages can ship within 24 Hours

SIZING CHART

FRICTION LOSS PER 100' OF PLASTIC PIPE

FLOW RATE GPM	1-1/4"	1-1/2"	2"	3"	4"
10	1.4	0.7	0.2		
12	2.0	0.9	0.3		
14	2.7	1.3	0.4		
16	3.5	1.6	0.5		
18	4.3	2.0	0.6		
20	5.2	2.4	0.9		
22	6.0	2.8	1.1		
24	7.1	3.2	1.2		
26	8.3	3.8	1.4		
28	9.5	4.5	1.6		
30	10.8	5.2	1.8		
35	14.7	7.0	2.4		
40	18.8	8.8	3.1	0.4	
45	23.5	11.0	3.9	0.6	
50	28.2	13.3	4.7	0.7	
55	33.8	16.0	5.6	0.8	
60	40.0	18.6	6.5	0.9	
65	46.7	21.6	7.6	1.1	
70	53.1	24.9	8.6	1.2	
75	60.6	28.2	9.8	1.4	
80	68.2	32.0	11.1	1.5	
85	77.0	35.3	12.5	1.7	
90	84.6	39.5	13.8	1.9	
95	92.2	43.7	15.3	2.1	
100	102.0	47.9	16.8	2.3	0.6
110		57.3	20.2	2.8	0.7
120		67.2	23.5	3.3	0.8
130		78.0	27.3	3.8	0.9
140		89.3	31.5	4.3	1.1
150			35.7	4.9	1.2
160			40.4	5.5	1.4
170			45.1	6.3	1.5
180			50.3	6.6	1.7
190			55.5	7.3	1.9
200			60.6	8.4	2.1

MINIMUM GPM TO CARRY SOLIDS 2' PER SECOND

9 GPM IN 1-1/4" PIPE	12 GPM in 1-1/2" Pipe	21 GPM IN 2" PIPE	46 GPM IN 3" PIPE	79 GPM IN 4" PIPE

EQUIVALENT LENGTH OF PIPE IN FEET

TYPE OF FITTING	1-1/4"	1-1/2"	2"	3"	4"
90 STD. ELBOW	7.0	8.0	9.0	12.0	14.0
45 ELBOW	3.0	3.0	4.0	6.0	8.0
STD. TEE (DIVERSION)	7.0	9.0	11.0	17.0	22.0
CHECK VALVE	11.0	13.0	17.0	26.0	33.0
COUPLING OR QUICK DISCONNECT	1.0	1.0	2.0	4.0	5.0
GATE VALVE	0.9	1.1	1.4	2.0	2.3

Champion Pump

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