



**FEATURES**

**Impeller:** Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

**Casing:** Cast iron volute type for maximum efficiency. 2" NPT discharge.

**Mechanical Seal:** Silicon Carbide vs. Silicon Carbide sealing faces. Stainless steel metal parts, BUNA-N elastomers.

**Shaft:** Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.

**Fasteners:** 300 series stainless steel.

Capable of running dry without damage to components.

Designed for continuous operation when fully submerged.

**EXTENDED WARRANTY AVAILABLE FOR RESIDENTIAL APPLICATIONS.**

# WE Series

## Model 3885

SUBMERSIBLE EFFLUENT PUMPS

## Wastewater

### APPLICATIONS

Specifically designed for the following uses:

- Homes, Farms, Trailer Courts, Motels, Schools, Hospitals, Industry, Effluent Systems

### SPECIFICATIONS

#### Pump

- Solids handling capabilities:  $\frac{3}{4}$ " maximum.
- Discharge size: 2" NPT.
- Capacities: up to 140 GPM.
- Total heads: up to 128 feet TDH.
- Temperature: 104°F (40°C) continuous, 140°F (60°C) intermittent.
- See order numbers on reverse side for specific HP, voltage, phase and RPM's available.

#### MOTORS

- Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.
- Class B insulation on  $\frac{1}{3}$  - 1½ HP models.
- Class F insulation on 2 HP models.

#### Single phase (60 Hz):

- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.

- SJTOW or STOW severe duty oil and water resistant power cords.
- $\frac{1}{3}$  - 1 HP models have NEMA three prong grounding plugs.
- 1½ HP and larger units have bare lead cord ends.

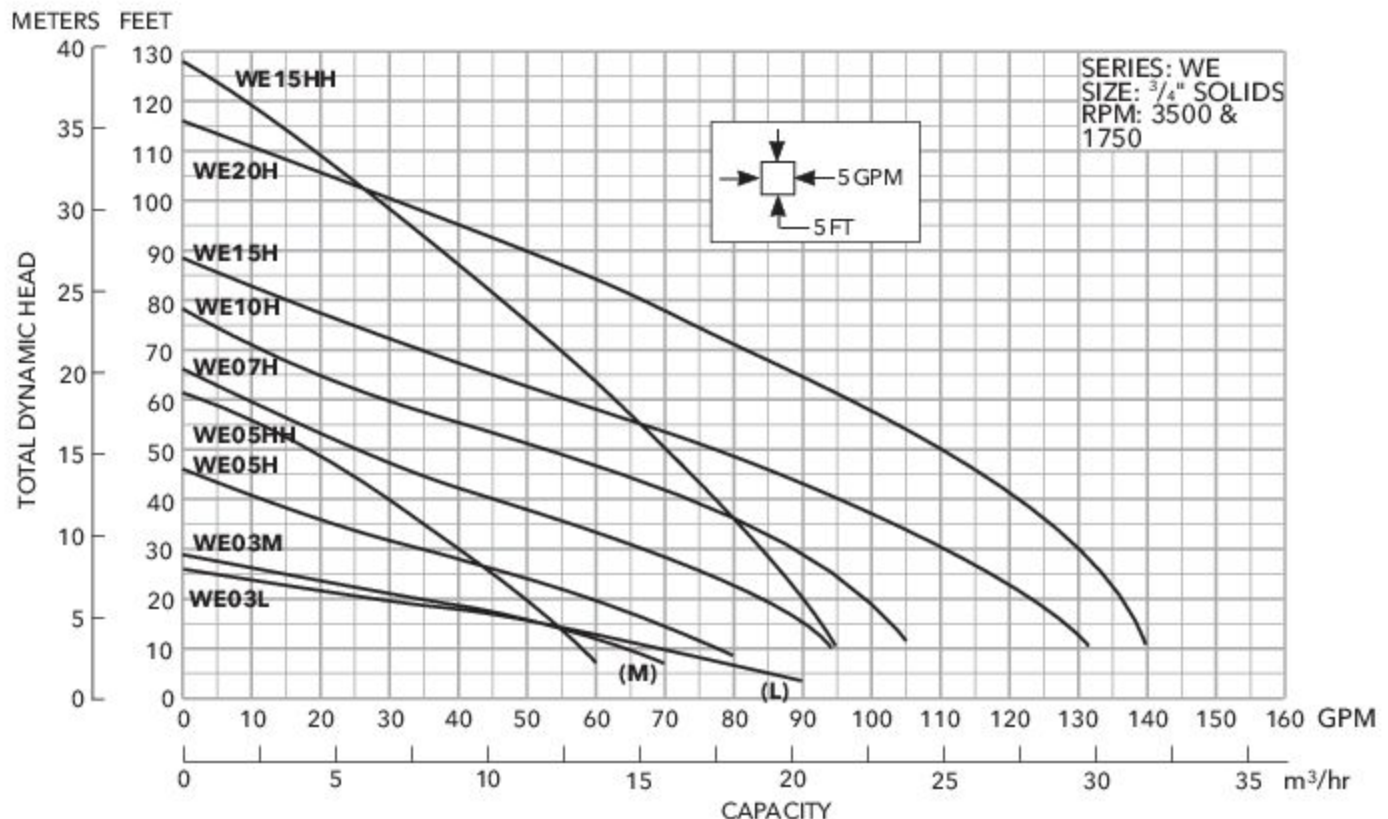
#### Three phase (60 Hz):

- Class 10 overload protection must be provided in separately ordered starter unit.
- STOW power cords all have bare lead cord ends.
- Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.
- Bearings: Upper and lower heavy duty ball bearing construction.
- Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. Standard cord is 20'. Optional lengths are available.
- O-ring: Assures positive sealing against contaminants and oil leakage.

#### AGENCY LISTINGS



Tested to UL 778 and CSA 22.2 108 Standards  
By Canadian Standards Association File #LR38549



### MODELS

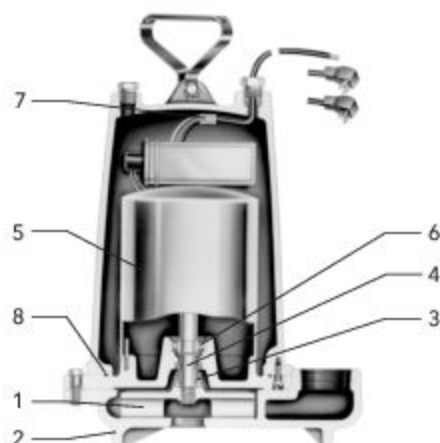
| Order Number | HP   | Phase | Volts | RPM  | Impeller Diameter (in.) | Maximum Amps | Locked Rotor Amps | KVA Code | Full Load Efficiency % | Resistance |           | Power Cable Size | Weight (lbs.) |
|--------------|------|-------|-------|------|-------------------------|--------------|-------------------|----------|------------------------|------------|-----------|------------------|---------------|
|              |      |       |       |      |                         |              |                   |          |                        | Start      | Line-Line |                  |               |
| WE0311L      | 0.33 | 1     | 115   | 1750 | 5.38                    | 10.7         | 30.0              | M        | 54                     | 11.9       | 1.7       | 16/3             | 56            |
| WE0318L      |      |       | 208   |      |                         | 6.8          | 19.5              | K        | 51                     | 9.1        | 4.2       |                  |               |
| WE0312L      |      |       | 230   |      |                         | 4.9          | 14.1              | L        | 53                     | 14.5       | 8.0       |                  |               |
| WE0311M      |      |       | 115   |      |                         | 10.7         | 30.0              | M        | 54                     | 11.9       | 1.7       |                  |               |
| WE0318M      |      |       | 208   |      |                         | 6.8          | 19.5              | K        | 51                     | 9.1        | 4.2       |                  |               |
| WE0312M      |      |       | 230   |      |                         | 4.9          | 14.1              | L        | 53                     | 14.5       | 8.0       |                  |               |
| WE0511H      | 0.5  | 1     | 115   | 3450 | 3.56                    | 14.5         | 46.0              | M        | 54                     | 7.5        | 1.0       | 14/3             | 60            |
| WE0518H      |      |       | 208   |      |                         | 8.1          | 31.0              | K        | 68                     | 9.7        | 2.4       | 16/3             | 60            |
| WE0512H      |      |       | 230   |      |                         | 7.3          | 34.5              | M        | 53                     | 9.6        | 4.0       | 14/4             | 60            |
| WE0538H      |      |       | 200   |      |                         | 4.9          | 22.6              | R        | 68                     | NA         | 3.8       |                  |               |
| WE0532H      |      |       | 230   |      |                         | 3.3          | 18.8              | R        | 70                     | NA         | 5.8       |                  |               |
| WE0534H      |      |       | 460   |      |                         | 1.7          | 9.4               | R        | 70                     | NA         | 23.2      |                  |               |
| WE0537H      |      | 3     | 575   |      |                         | 1.4          | 7.5               | R        | 62                     | NA         | 35.3      |                  |               |
| WE0511HH     |      |       | 115   |      | 3.88                    | 14.5         | 46.0              | M        | 54                     | 7.5        | 1.0       | 14/3             | 60            |
| WE0518HH     |      |       | 208   |      |                         | 8.1          | 31.0              | K        | 68                     | 9.7        | 2.4       | 16/3             | 60            |
| WE0512HH     |      |       | 230   |      |                         | 7.3          | 34.5              | M        | 53                     | 9.6        | 4.0       | 14/4             | 60            |
| WE0538HH     |      |       | 200   |      |                         | 4.9          | 22.6              | R        | 68                     | NA         | 3.8       |                  |               |
| WE0532HH     |      |       | 230   |      |                         | 3.6          | 18.8              | R        | 70                     | NA         | 5.8       |                  |               |
| WE0534HH     |      |       | 460   |      |                         | 1.8          | 9.4               | R        | 70                     | NA         | 23.2      |                  |               |
| WE0537HH     |      |       | 575   |      |                         | 1.5          | 7.5               | R        | 62                     | NA         | 35.3      |                  |               |
| WE0718H      | 0.75 | 1     | 208   | 3450 | 4.06                    | 11.0         | 31.0              | K        | 68                     | 9.7        | 2.4       | 14/3             | 70            |
| WE0712H      |      |       | 230   |      |                         | 10.0         | 27.5              | J        | 65                     | 12.2       | 2.7       | 14/4             | 70            |
| WE0738H      |      |       | 200   |      |                         | 6.2          | 20.6              | L        | 64                     | NA         | 5.7       |                  |               |
| WE0732H      |      | 3     | 230   |      |                         | 5.4          | 15.7              | K        | 68                     | NA         | 8.6       |                  |               |
| WE0734H      |      |       | 460   |      |                         | 2.7          | 7.9               | K        | 68                     | NA         | 34.2      |                  |               |
| WE0737H      |      |       | 575   |      |                         | 2.2          | 9.9               | L        | 78                     | NA         | 26.5      |                  |               |
| WE1018H      | 1    | 1     | 208   |      | 4.44                    | 14.0         | 59.0              | K        | 68                     | 9.3        | 1.1       | 14/3             | 70            |
| WE1012H      |      |       | 230   |      |                         | 12.5         | 36.2              | J        | 69                     | 10.3       | 2.1       | 14/4             | 70            |
| WE1038H      |      |       | 200   |      |                         | 8.1          | 37.6              | M        | 77                     | NA         | 2.7       |                  |               |
| WE1032H      |      |       | 230   |      |                         | 7.0          | 24.1              | L        | 79                     | NA         | 4.1       |                  |               |
| WE1034H      |      | 3     | 460   |      |                         | 3.5          | 12.1              | L        | 79                     | NA         | 16.2      |                  |               |
| WE1037H      |      |       | 575   |      |                         | 2.8          | 9.9               | L        | 78                     | NA         | 26.5      |                  |               |
| WE1518H      |      | 1     | 208   |      | 4.56                    | 17.5         | 59.0              | K        | 68                     | 9.3        | 1.1       | 14/3             | 80            |
| WE1512H      |      |       | 230   |      |                         | 15.7         | 50.0              | H        | 68                     | 11.3       | 1.6       | 14/4             | 80            |
| WE1538H      |      |       | 200   |      |                         | 10.6         | 40.6              | K        | 79                     | NA         | 1.9       |                  |               |
| WE1532H      |      |       | 230   |      |                         | 9.2          | 31.7              | K        | 78                     | NA         | 2.9       |                  |               |
| WE1534H      |      |       | 460   |      |                         | 4.6          | 15.9              | K        | 78                     | NA         | 11.4      |                  |               |
| WE1537H      |      |       | 575   |      |                         | 3.7          | 13.1              | K        | 75                     | NA         | 16.9      |                  |               |
| WE1518HH     |      | 1     | 208   |      | 5.50                    | 17.5         | 59.0              | K        | 68                     | 9.3        | 1.1       | 14/3             | 80            |
| WE1512HH     |      |       | 230   |      |                         | 15.7         | 50.0              | H        | 68                     | 11.3       | 1.6       | 14/4             | 80            |
| WE1538HH     |      |       | 200   |      |                         | 10.6         | 40.6              | K        | 79                     | NA         | 1.9       |                  |               |
| WE1532HH     |      |       | 230   |      |                         | 9.2          | 31.7              | K        | 78                     | NA         | 2.9       |                  |               |
| WE1534HH     |      |       | 460   |      |                         | 4.6          | 15.9              | K        | 78                     | NA         | 11.4      |                  |               |
| WE1537HH     |      |       | 575   |      |                         | 3.7          | 13.1              | K        | 75                     | NA         | 16.9      |                  |               |
| WE2012H      | 2    | 3     | 230   | 3450 | 5.38                    | 18.0         | 49.6              | F        | 78                     | 3.2        | 1.2       | 14/3             | 83            |
| WE2038H      |      |       | 200   |      |                         | 12.0         | 42.4              | K        | 78                     | NA         | 1.7       | 14/4             | 83            |
| WE2032H      |      |       | 230   |      |                         | 11.6         | 42.4              | K        | 78                     | NA         | 1.7       |                  |               |
| WE2034H      |      |       | 460   |      |                         | 5.8          | 21.2              | K        | 78                     | NA         | 6.6       |                  |               |
| WE2037H      |      |       | 575   |      |                         | 4.7          | 16.3              | L        | 78                     | NA         | 10.5      |                  |               |

## PERFORMANCE RATINGS (gallons per minute)

| Order No.  | WE-03L | WE-03M | WE-05H | WE-07H | WE-10H | WE-15H | WE-05HH | WE-15HH | WE-20H |
|------------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| <b>HP</b>  | 1/4    | 1/2    | 1/2    | 3/4    | 1      | 1 1/2  | 1/2     | 1 1/2   | 2      |
| <b>RPM</b> | 1750   | 1750   | 3500   | 3500   | 3500   | 3500   | 3500    | 3500    | 3500   |
| <b>5</b>   | 86     | -      | -      | -      | -      | -      | -       | -       | -      |
| <b>10</b>  | 70     | 63     | 78     | 94     | -      | -      | 58      | 95      | -      |
| <b>15</b>  | 52     | 52     | 70     | 90     | 103    | 128    | 53      | 93      | 138    |
| <b>20</b>  | 27     | 35     | 60     | 83     | 98     | 123    | 49      | 90      | 136    |
| <b>25</b>  | 5      | 15     | 48     | 76     | 94     | 117    | 45      | 87      | 133    |
| <b>30</b>  | -      | -      | 35     | 67     | 88     | 110    | 40      | 83      | 130    |
| <b>35</b>  | -      | -      | 22     | 57     | 82     | 103    | 35      | 80      | 126    |
| <b>40</b>  | -      | -      | -      | 45     | 74     | 95     | 30      | 77      | 121    |
| <b>45</b>  | -      | -      | -      | 35     | 64     | 86     | 25      | 74      | 116    |
| <b>50</b>  | -      | -      | -      | 25     | 53     | 77     | -       | 70      | 110    |
| <b>55</b>  | -      | -      | -      | -      | 40     | 67     | -       | 66      | 103    |
| <b>60</b>  | -      | -      | -      | -      | 30     | 56     | -       | 63      | 96     |
| <b>65</b>  | -      | -      | -      | -      | 20     | 45     | -       | 58      | 89     |
| <b>70</b>  | -      | -      | -      | -      | -      | 35     | -       | 55      | 81     |
| <b>75</b>  | -      | -      | -      | -      | -      | 25     | -       | 51      | 74     |
| <b>80</b>  | -      | -      | -      | -      | -      | -      | -       | 47      | 66     |
| <b>90</b>  | -      | -      | -      | -      | -      | -      | -       | 37      | 49     |
| <b>100</b> | -      | -      | -      | -      | -      | -      | -       | 28      | 30     |

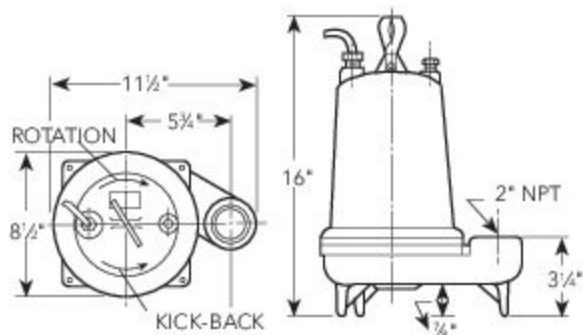
## COMPONENTS

| Item No. | Description     |
|----------|-----------------|
| 1        | Impeller        |
| 2        | Casing          |
| 3        | Mechanical Seal |
| 4        | Motor Shaft     |
| 5        | Motor           |
| 6        | Ball Bearings   |
| 7        | Power Cable     |
| 8        | Casing O-Ring   |



## DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)



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