

## 6EC SERIES - 1/3 HP

### APPLICATIONS

Basement sumps, dewatering, water transfer, light effluent

### FEATURES

- Heavy-duty cast iron construction
- Permanent split capacitor (PSC) motor with thermal overload protection
- Designed for continuous duty
- Energy-saving low amp draw
- 1-1/2" FNPT discharge (38 mm)
- Handles up to 1/2" (12.7 mm) solids
- Multiple switch options for automatic operation
- 140 °F (60 °C) liquid temperature rating
- cCSAus listed



### SERIES SPECIFICATIONS

| Volts | Hz | Amps | Watts | Performance<br>(GPM @ Height in Feet) |     |     |     | Shut-Off<br>(ft) | PSI  |
|-------|----|------|-------|---------------------------------------|-----|-----|-----|------------------|------|
|       |    |      |       | 5'                                    | 10' | 15' | 20' |                  |      |
| 115   | 60 | 5    | 600   | 53                                    | 50  | 42  | 34  | 28               | 12.1 |
| 230   | 60 | 3    | 650   | 53                                    | 50  | 42  | 34  | 28               | 12.1 |

| Item   | Model           | HP  | Volts | Base Material | Switch Type/<br>Operations | On Level                         | Off Level                      | Cord           | Weight                |
|--------|-----------------|-----|-------|---------------|----------------------------|----------------------------------|--------------------------------|----------------|-----------------------|
| 506853 | 6EC-CIA-RF      | 1/3 | 115   | Cast Iron     | Piggyback Mechanical Float | 13" - 15"<br>(33.2 cm - 38.1 cm) | 6" - 8"<br>(15.2 cm - 20.3 cm) | 10'<br>(3 m)   | 33.5 lbs<br>(15.2 Kg) |
| 506803 | 6EC-CIA-RF      | 1/3 | 115   | Polypropylene | Piggyback Mechanical Float | 13" - 15"<br>(33.2 cm - 38.1 cm) | 6" - 8"<br>(15.2 cm - 20.3 cm) | 10'<br>(3 m)   | 27.5 lbs<br>(12.5 Kg) |
| 506858 | 6EC-CIA-RF      | 1/3 | 115   | Cast Iron     | Piggyback Mechanical Float | 13" - 15"<br>(33.2 cm - 38.1 cm) | 6" - 8"<br>(15.2 cm - 20.3 cm) | 20'<br>(6.1 m) | 35.5 lbs<br>(16.1 Kg) |
| 506855 | 6EC-CIA-SFS     | 1/3 | 115   | Cast Iron     | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 10'<br>(3 m)   | 34 lbs<br>(15.4 Kg)   |
| 506807 | 6EC-CIA-SFS     | 1/3 | 115   | Polypropylene | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 10'<br>(3 m)   | 28 lbs<br>(12.7 Kg)   |
| 506860 | 6EC-CIA-SFS     | 1/3 | 115   | Cast Iron     | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 20'<br>(6.1 m) | 35 lbs<br>(15.9 Kg)   |
| 506804 | 6EC-CIA-SFS     | 1/3 | 115   | Polypropylene | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 20'<br>(6.1 m) | 29 lbs<br>(13.5 Kg)   |
| 506851 | 6EC-CIM         | 1/3 | 115   | Cast Iron     | Manual                     | —                                | —                              | 10'<br>(3 m)   | 32.5 lbs<br>(14.7 Kg) |
| 506801 | 6EC-CIM         | 1/3 | 115   | Polypropylene | Manual                     | —                                | —                              | 10'<br>(3 m)   | 26.5 lbs<br>(12 Kg)   |
| 506852 | 6EC-CIM         | 1/3 | 115   | Cast Iron     | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 33.5 lbs<br>(15.2 Kg) |
| 506802 | 6EC-CIM         | 1/3 | 115   | Polypropylene | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |
| 506806 | 6EC-CIM (Black) | 1/3 | 115   | Polypropylene | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |
| 506854 | 6EC-CIM         | 1/3 | 115   | Cast Iron     | Manual                     | —                                | —                              | 25'<br>(7.6 m) | 34 lbs<br>(15.4 Kg)   |
| 506800 | 6EC-CIM         | 1/3 | 127   | Polypropylene | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |

## SPBS SERIES - BATTERY BACKUP SYSTEMS

### FEATURES

#### SPBS-10HF-6 AND SPBS-12HF-10 SERIES

- 12 VDC backup pump
    - Durable non-corrosive pump housing with stainless steel fasteners
    - Easily removed bottom suction screen for serviceability and maintenance
    - Diaphragm switch activated
  - 115 VAC primary pump
    - Heavy-duty cast iron construction
    - Energy-efficient permanent split capacitor (PSC) motor with automatic reset thermal overload protection
    - 1-1/2" FNPT discharge piping size
    - Lift ring for easy and quick installation
  - Pre-assembled
  - Check valve, elbow connector, and pump coupling
  - Battery box holds size 27, 12 V deep cycle battery (battery not included)
    - \*Recommended 12 VDC deep cycle battery, lead acid or AGM
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- Model 506411
    - 12 VDC backup pump
      - 42 gpm (159 lpm) at 0 ft (0 m) and 20 ft (6.1 m) shut-off
    - 10 amp controller/charger/alarm unit
    - 1/3 hp, 115 VAC primary pump
      - 53 gpm (201 lpm) at 5 ft (1.5 m) of lift and 28 ft (8.5 m) shut-off
  - Model 506410
    - 12 VDC backup pump
      - 53 gpm (201 lpm) at 0 ft (0 m) and 23 ft (7 m) shut-off
    - 12 amp controller/charger/alarm unit
    - 1/2 hp, 115 VAC primary pump
      - 67 gpm (254 lpm) at 5 ft (1.5 m) of lift and 36 ft (11 m) shut-off



### SERIES SPECIFICATIONS

#### ITEM NO. 506411 - MODEL NO. SPBS-10HF-6

| Charging Unit      |             |         |    |                           |                           |       |                      |              |                    |               |               |           |              |              |
|--------------------|-------------|---------|----|---------------------------|---------------------------|-------|----------------------|--------------|--------------------|---------------|---------------|-----------|--------------|--------------|
| Item No.           | Model No.   | Volts   | Hz | Max Input Amps at 115 VAC | Max Output Amps at 15 VAC | Watts | Cord (ft)            | Weight (lbs) | Battery Leads (ft) |               |               |           |              |              |
| 106469             | 1210HF      | 115 VAC | 60 | 3                         | 10                        | 345   | 6'                   | 5            | 6'                 |               |               |           |              |              |
| Backup Pump Switch |             |         |    |                           |                           |       |                      |              |                    |               |               |           |              |              |
| Item No.           | Model No.   | Volts   | Hz | Switch-On Level           | Switch-Off Level          | Watts | Cord (ft)            | Weight (lbs) | Battery Leads (ft) |               |               |           |              |              |
| 105601             | RS-12       | 12 VDC  | -  | 13.5"                     | 9"                        | -     | 7'                   | 0.5          | -                  |               |               |           |              |              |
| Backup Pump        |             |         |    |                           |                           |       |                      |              |                    |               |               |           |              |              |
| Item No.           | Model No.   | Volts   | Hz | Amps                      |                           | Watts | GPM @ Height in Feet |              |                    | Shut-Off (ft) | PSI           | Cord (ft) | Weight (lbs) |              |
|                    |             |         |    | FLA                       | Start                     |       | 0'                   | 5'           | 10'                |               |               |           |              |              |
| 106963             | 2500        | 12 VDC  | -  | 14                        | 32                        | 168   | 42                   | 29           | 20                 | 20'           | 8.7           | 6'        | 6            |              |
| Primary Pump       |             |         |    |                           |                           |       |                      |              |                    |               |               |           |              |              |
| Item No.           | Model No.   | Volts   | Hz | Hp                        | Amps FLA                  | Watts | GPM @ Height in Feet |              |                    |               | Shut-Off (ft) | PSI       | Cord (ft)    | Weight (lbs) |
|                    |             |         |    |                           |                           |       | 5'                   | 10'          | 15'                | 20'           |               |           |              |              |
| 506807             | 6EC-CIA-SFS | 115 VAC | 60 | 1/3                       | 5                         | 600   | 53                   | 50           | 42                 | 34            | 28'           | 11.7      | 10'          | 30           |

#### ITEM NO. 506410 - MODEL NO. SPBS-12HF-10

| Charging Unit      |              |         |    |                           |                           |       |                      |              |                    |     |               |      |           |              |
|--------------------|--------------|---------|----|---------------------------|---------------------------|-------|----------------------|--------------|--------------------|-----|---------------|------|-----------|--------------|
| Item No.           | Model No.    | Volts   | Hz | Max Input Amps at 115 VDC | Max Output Amps at 12 VDC | Watts | Cord (ft)            | Weight (lbs) | Battery Leads (ft) |     |               |      |           |              |
| 106486             | 1212HF       | 115 VAC | 60 | 3                         | 12                        | 345   | 6'                   | 5            | 6'                 |     |               |      |           |              |
| Backup Pump Switch |              |         |    |                           |                           |       |                      |              |                    |     |               |      |           |              |
| Item No.           | Model No.    | Volts   | Hz | Switch-On Level           | Switch-Off Level          | Watts | Cord (ft)            | Weight (lbs) | Battery Leads (ft) |     |               |      |           |              |
| 105601             | RS-12        | 12 VDC  | -  | 13.5"                     | 9"                        | -     | 9'                   | 0.5          | -                  |     |               |      |           |              |
| Backup Pump        |              |         |    |                           |                           |       |                      |              |                    |     |               |      |           |              |
| Item No.           | Model No.    | Volts   | Hz | Amps                      |                           | Watts | GPM @ Height in Feet |              |                    |     | Shut-Off (ft) | PSI  | Cord (ft) | Weight (lbs) |
|                    |              |         |    | FLA                       | Start                     |       | 0'                   | 5'           | 10'                | 15' |               |      |           |              |
| 106961             | 3360         | 12 VDC  | -  | 15                        | 32                        | 180   | 53                   | 39           | 24                 | 13  | 23'           | 10   | 6'        | 6            |
| Primary Pump       |              |         |    |                           |                           |       |                      |              |                    |     |               |      |           |              |
| Item No.           | Model No.    | Volts   | Hz | Hp                        | Amps FLA                  | Watts | GPM @ Height in Feet |              |                    |     | Shut-Off (ft) | PSI  | Cord (ft) | Weight (lbs) |
|                    |              |         |    |                           |                           |       | 5'                   | 10'          | 20'                | 30' |               |      |           |              |
| 510803             | 10EC-CIA-SFS | 115 VAC | 60 | 1/2                       | 6.5                       | 750   | 67                   | 57           | 47                 | 28  | 36'           | 15.6 | 10'       | 26           |

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- Multiple switch options for automatic operation
- 140 °F (60 °C) liquid temperature rating
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### SERIES SPECIFICATIONS

| Volts | Hz | Amps | Watts | Performance<br>(GPM @ Height in Feet) |     |     |     | Shut-Off<br>(ft) | PSI  |
|-------|----|------|-------|---------------------------------------|-----|-----|-----|------------------|------|
|       |    |      |       | 5'                                    | 10' | 15' | 20' |                  |      |
| 115   | 60 | 5    | 600   | 53                                    | 50  | 42  | 34  | 28               | 12.1 |
| 230   | 60 | 3    | 650   | 53                                    | 50  | 42  | 34  | 28               | 12.1 |

| Item   | Model           | HP  | Volts | Base Material | Switch Type/<br>Operations | On Level                         | Off Level                      | Cord           | Weight                |
|--------|-----------------|-----|-------|---------------|----------------------------|----------------------------------|--------------------------------|----------------|-----------------------|
| 506853 | 6EC-CIA-RF      | 1/3 | 115   | Cast Iron     | Piggyback Mechanical Float | 13" - 15"<br>(33.2 cm - 38.1 cm) | 6" - 8"<br>(15.2 cm - 20.3 cm) | 10'<br>(3 m)   | 33.5 lbs<br>(15.2 Kg) |
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| 506858 | 6EC-CIA-RF      | 1/3 | 115   | Cast Iron     | Piggyback Mechanical Float | 13" - 15"<br>(33.2 cm - 38.1 cm) | 6" - 8"<br>(15.2 cm - 20.3 cm) | 20'<br>(6.1 m) | 35.5 lbs<br>(16.1 Kg) |
| 506855 | 6EC-CIA-SFS     | 1/3 | 115   | Cast Iron     | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 10'<br>(3 m)   | 34 lbs<br>(15.4 Kg)   |
| 506807 | 6EC-CIA-SFS     | 1/3 | 115   | Polypropylene | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 10'<br>(3 m)   | 28 lbs<br>(12.7 Kg)   |
| 506860 | 6EC-CIA-SFS     | 1/3 | 115   | Cast Iron     | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 20'<br>(6.1 m) | 35 lbs<br>(15.9 Kg)   |
| 506804 | 6EC-CIA-SFS     | 1/3 | 115   | Polypropylene | Integral Snap-Action Float | 8" - 11"<br>(20.3 cm - 27.9 cm)  | 2" - 5"<br>(5.1 cm - 12.7 cm)  | 20'<br>(6.1 m) | 29 lbs<br>(13.5 Kg)   |
| 506851 | 6EC-CIM         | 1/3 | 115   | Cast Iron     | Manual                     | —                                | —                              | 10'<br>(3 m)   | 32.5 lbs<br>(14.7 Kg) |
| 506801 | 6EC-CIM         | 1/3 | 115   | Polypropylene | Manual                     | —                                | —                              | 10'<br>(3 m)   | 26.5 lbs<br>(12 Kg)   |
| 506852 | 6EC-CIM         | 1/3 | 115   | Cast Iron     | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 33.5 lbs<br>(15.2 Kg) |
| 506802 | 6EC-CIM         | 1/3 | 115   | Polypropylene | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |
| 506806 | 6EC-CIM (Black) | 1/3 | 115   | Polypropylene | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |
| 506854 | 6EC-CIM         | 1/3 | 115   | Cast Iron     | Manual                     | —                                | —                              | 25'<br>(7.6 m) | 34 lbs<br>(15.4 Kg)   |
| 506800 | 6EC-CIM         | 1/3 | 127   | Polypropylene | Manual                     | —                                | —                              | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |