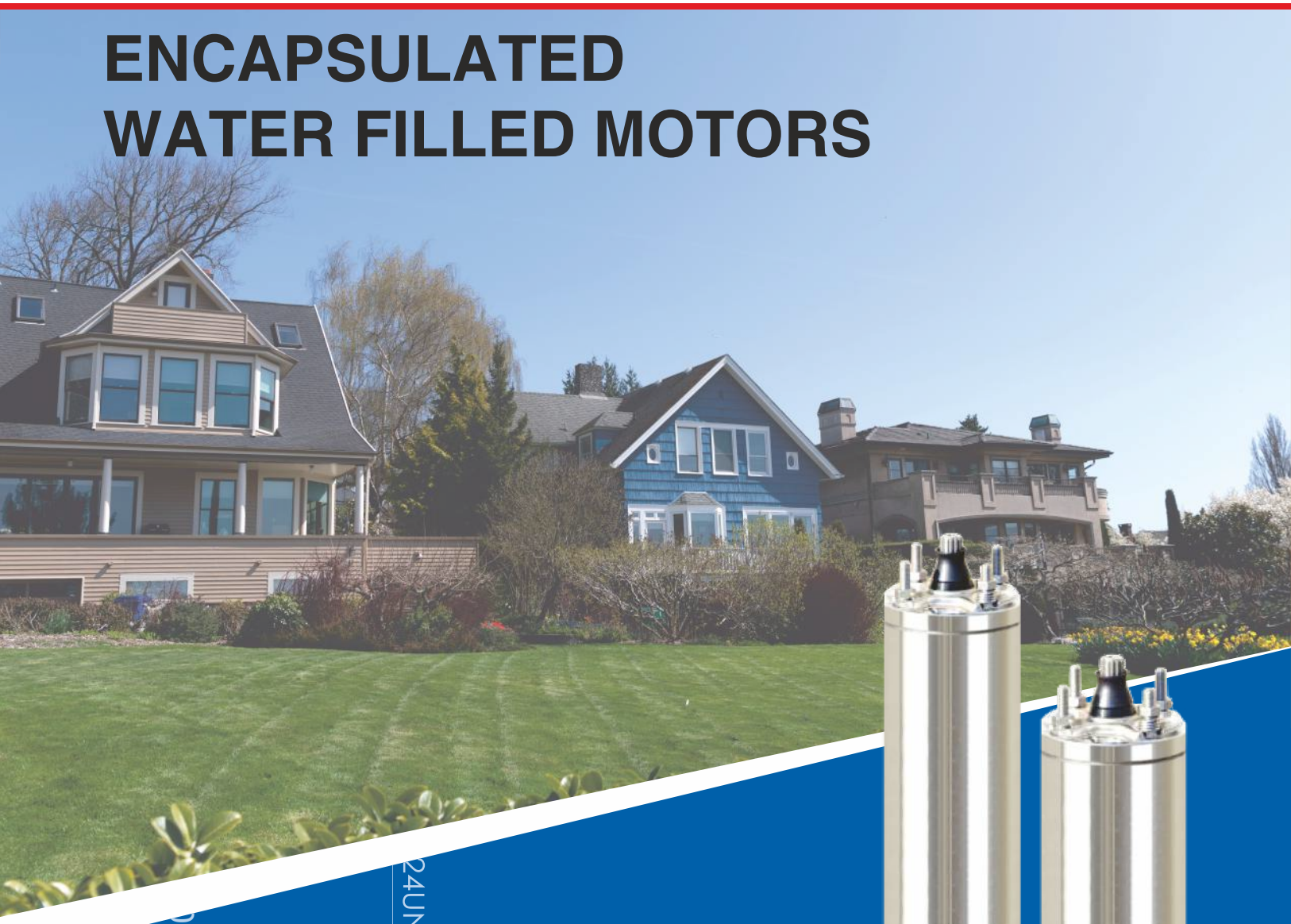
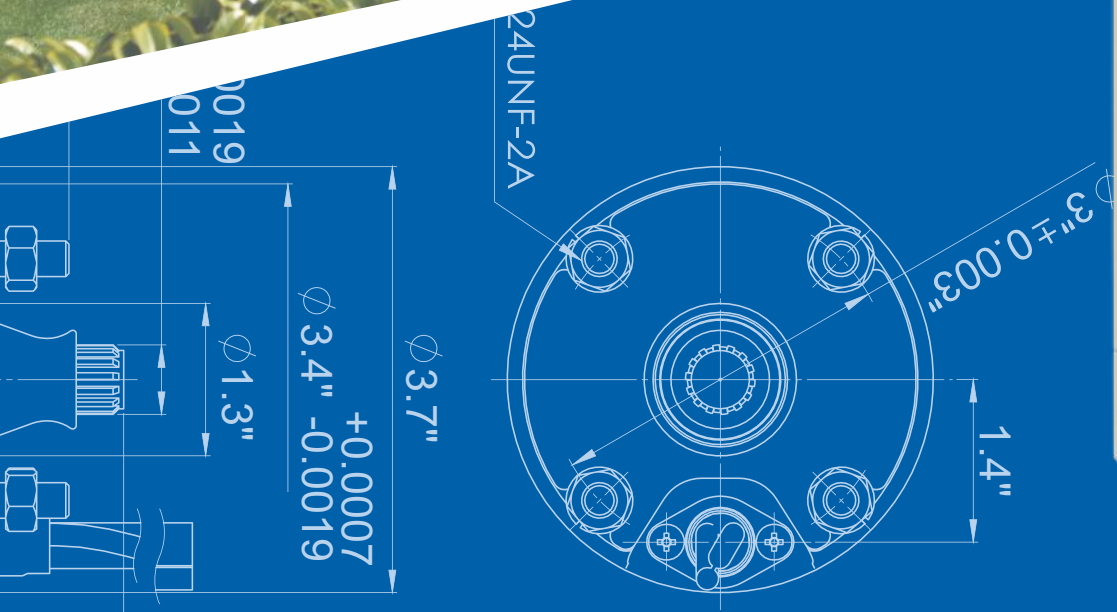
NC SERIES

NORTHAM®©

# ENCAPSULATED WATER FILLED MOTORS








c UL us

PRODUCT CATALOGUE 60Hz www.northam-inc.com

# ENCAPSULATED WATER FILLED MOTORS

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# NC SERIES

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## ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 10 HP** | **MODEL CODE** | **MOTOR SIZE: 4"**

| NC | C | 4 | - | 0005 | 6 | 2W | - | A | 2 | M |
|---|---|---|---|---|---|---|---|---|---|---|

### Seal Type

| Code | Seal Type |
|---|---|
| L | Lip Seal |
| M | Mechanical Seal |

### Thrust Load

| Code | Thrust Load |
|---|---|
| 2 | 2000N |
| 3 | 3000N |
| 4 | 4000N |
| 6 | 6000N |
| 7 | 6500N |

### Volts

| Code | Volts |
|---|---|
| A | 115V |
| B | 230V |
| D | 460V |
| E | 575V |

### Power Supply

| Code | Power Supply |
|---|---|
| 2W | 2-wire single phase |
| 3W | 3-wire single phase, without control box |
| 3P | 3 Phase |
| 3C | 3-wire single phase, with control box |

### Frequency

| Code | Hz |
|---|---|
| 6 | 60 |

### Motor HP

| Code | HP |
|---|---|
| 0005 | 0.5 HP |
| 0007 | 0.75 HP |
| 0010 | 1 HP |
| 0075 | 7.5 HP |

### Motor size

| Code | Size |
|---|---|
| 4 | 4" |

### Material of construction

| Code | Material |
|---|---|
| B | 316 Stainless steel* |
| C | 304 Stainless steel over iron** |

### Series name

| Code | Series |
|---|---|
| NC | Encapsulated motor - UL |

* **Offered Mechanical seal.**
** **Offered Lip seal as well as Mechanical seal.**

**SAMPLE CODE - NCC4-000562W-A2M**



Date - 02/11/26
Supersedes - 13/08/25

# ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 10 HP** | **GENERAL DATA** | **MOTOR SIZE: 4"**

## SUITABLE WELL SIZE

- These motors are designed and sized for installation in 4" diameter or larger water wells.

## FEATURES

- Hermetically canned stator with antitrack resin to prevent motor burn out.
- High efficiency electrical design.
- Removable lead connector.
- Water lubricated thrust and radial bearing enable maintenance free operation.
- Standard NEMA mounting dimensions.
- 3-wire submersible motor control boxes are available.
- All motors are inspected and tested at factory before dispatch.

## SPECIFICATIONS

| Motor construction | |
|---|---|
| Frequency | 60 Hz |
| Motor ratings | 1 phase - 0.5 to 5.0 HP<br>3 phase - 0.5 to 10 HP |
| Voltages | 1 phase : 115, 230V<br>3 phase : 230V, 460V, 575V |
| Pole/RPM | 2 Pole / 3450 RPM |
| Degree of protection | IP 68 |
| Insulation class | F |
| Duty rating | Continuous |
| Ambient temperature | 86°F / 30°C |
| Rotation | 1 phase - CCW<br>3 phase - CCW |
| Maximum nos. of starts/hour | 20 |
| Minimum cooling flow along the motor | 0.08 m/s |
| Mounting | Vertical |

NOTE: SPECIFICATIONS ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

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# ENCAPSULATED WATER FILLED MOTORS

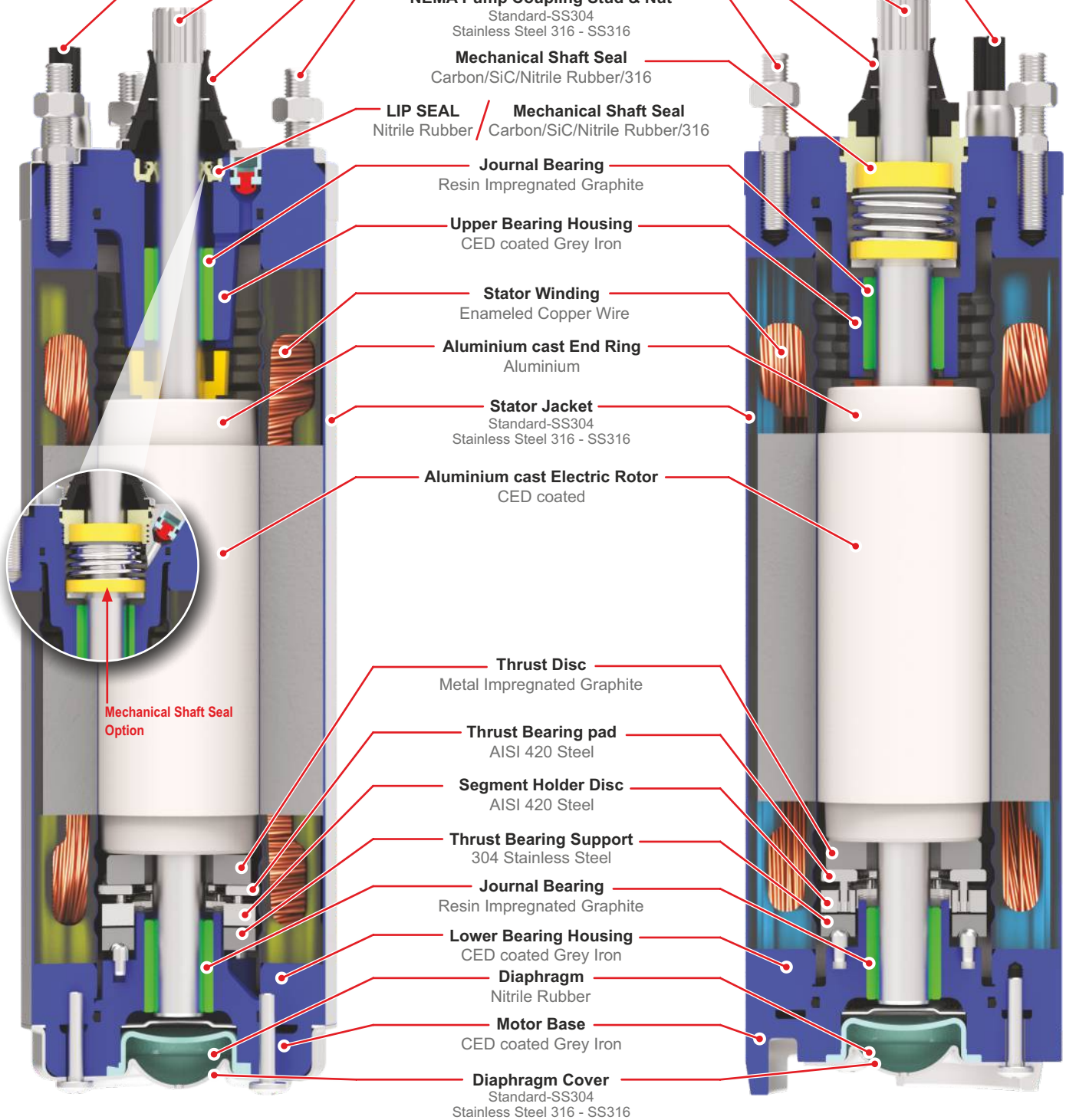
## 0.5 to 3 HP, 3-WIRE, 1 PHASE

**STANDARD**
SS304 OVER CAST IRON

## MATERIAL OF CONSTRUCTION

## 0.5 HP to 3 HP, 3 PHASE

**STAINLESS STEEL**
SS316





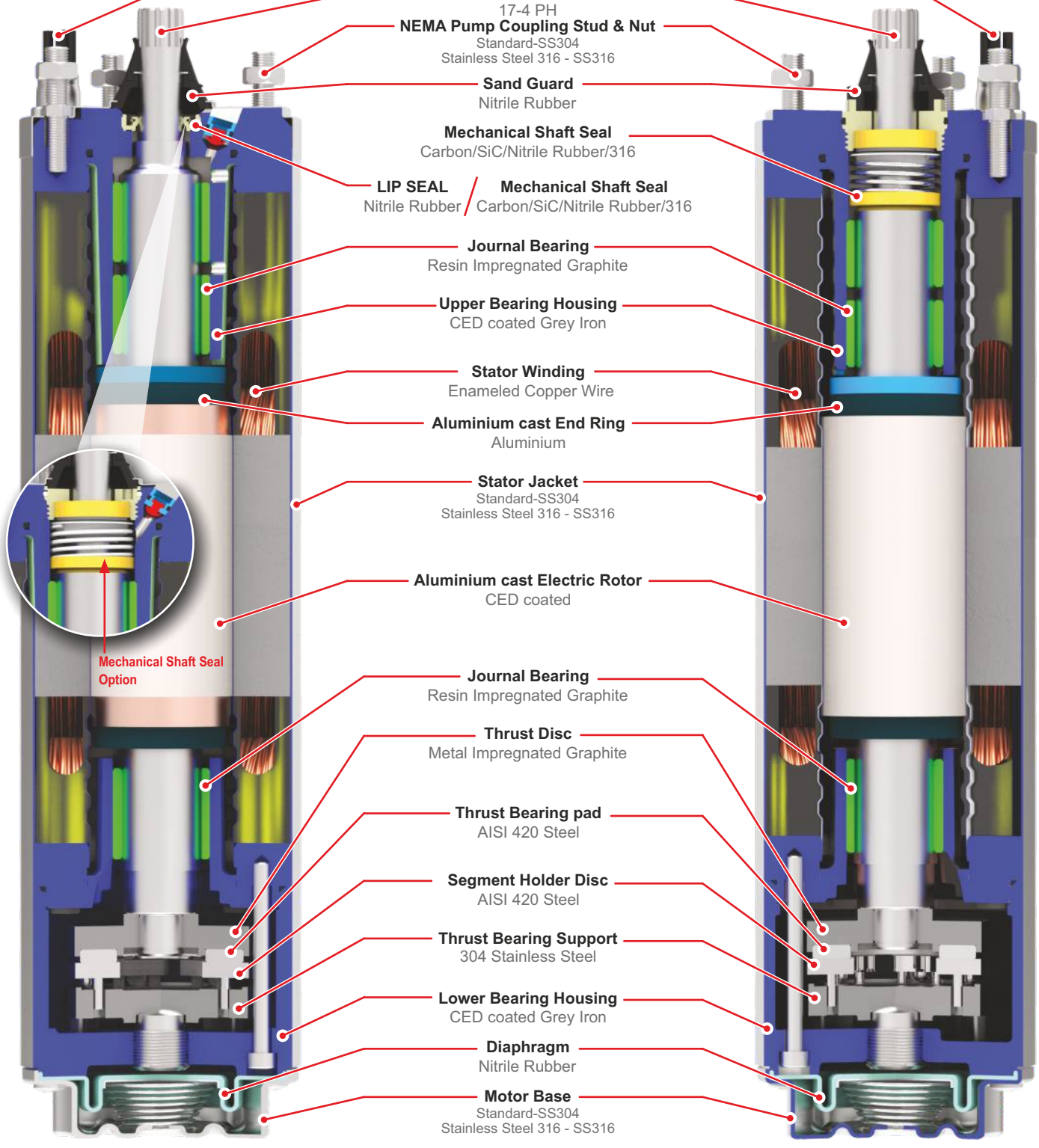

Date - 02/11/26
Supersedes - 13/08/25

# ENCAPSULATED WATER FILLED MOTORS

## 5 HP, 3-WIRE, 1 PHASE | MATERIAL OF CONSTRUCTION | 5 HP to 10 HP, 3 PHASE

**HIGH THRUST**
SS304 OVER CAST IRON

**HIGH THRUST STAINLESS STEEL**
SS316

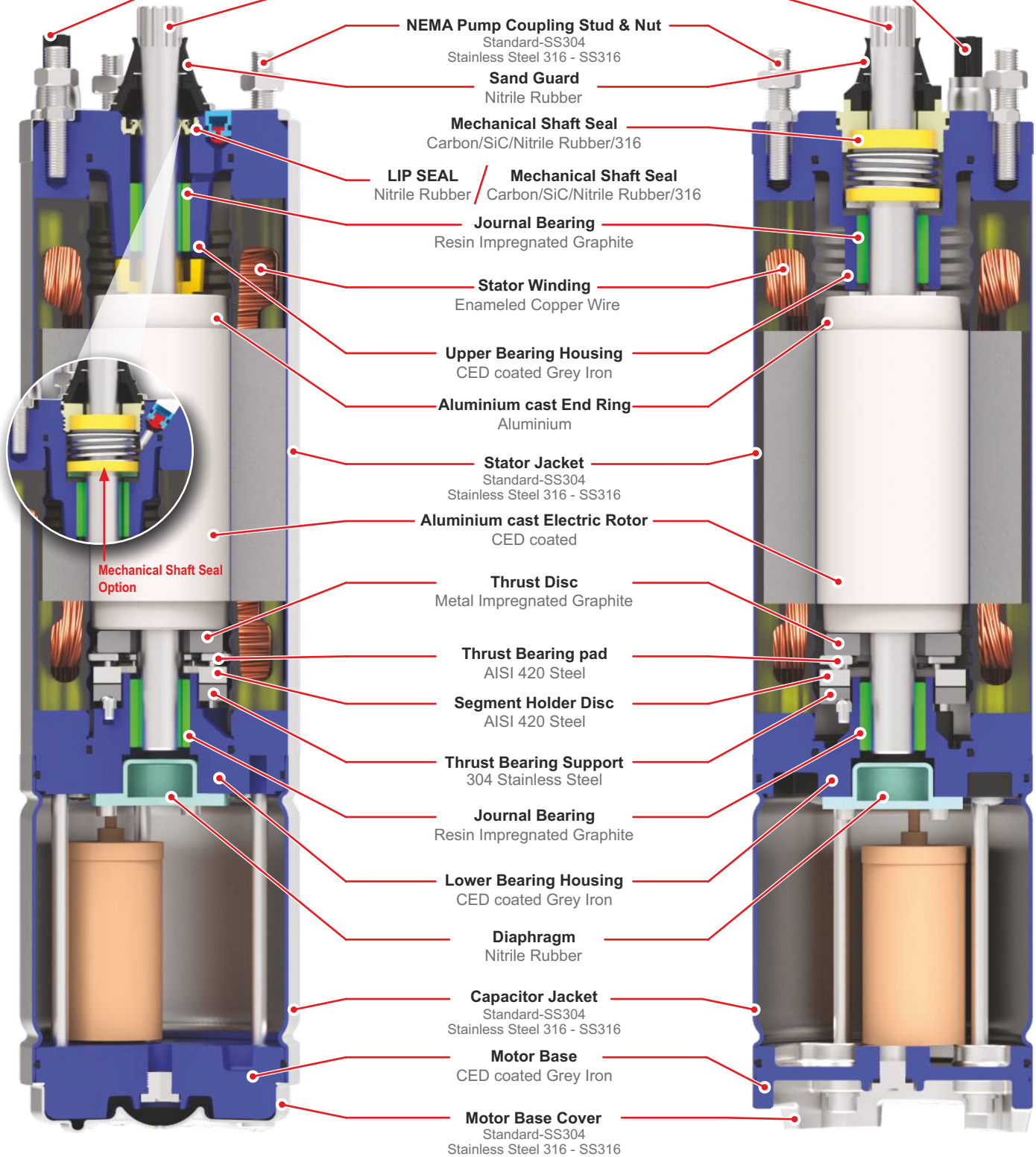


# ENCAPSULATED WATER FILLED MOTORS

## 0.5 HP to 1.5 HP | MATERIAL OF CONSTRUCTION | 2-WIRE, 1 PHASE

**STANDARD**
SS304 OVER CAST IRON

**STAINLESS STEEL**
SS316




**Cable**
Flat Thermoplastic Rubber

**NEMA Shaft Extension**
17-4 PH

**NEMA Pump Coupling Stud & Nut**
Standard-SS304
Stainless Steel 316 - SS316

**Sand Guard**
Nitrile Rubber

**Mechanical Shaft Seal**
Carbon/SiC/Nitrile Rubber/316

**LIP SEAL** Nitrile Rubber / **Mechanical Shaft Seal** Carbon/SiC/Nitrile Rubber/316

**Journal Bearing**
Resin Impregnated Graphite

**Stator Winding**
Enameled Copper Wire

**Upper Bearing Housing**
CED coated Grey Iron

**Aluminium cast End Ring**
Aluminium

**Stator Jacket**
Standard-SS304
Stainless Steel 316 - SS316

**Aluminium cast Electric Rotor**
CED coated

**Thrust Disc**
Metal Impregnated Graphite

**Thrust Bearing pad**
AISI 420 Steel

**Segment Holder Disc**
AISI 420 Steel

**Thrust Bearing Support**
304 Stainless Steel

**Journal Bearing**
Resin Impregnated Graphite

**Lower Bearing Housing**
CED coated Grey Iron

**Diaphragm**
Nitrile Rubber

**Capacitor Jacket**
Standard-SS304
Stainless Steel 316 - SS316

**Motor Base**
CED coated Grey Iron

**Motor Base Cover**
Standard-SS304
Stainless Steel 316 - SS316

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# ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 10 HP** | **ORDER INFORMATION** | **MOTOR SIZE: 4"**

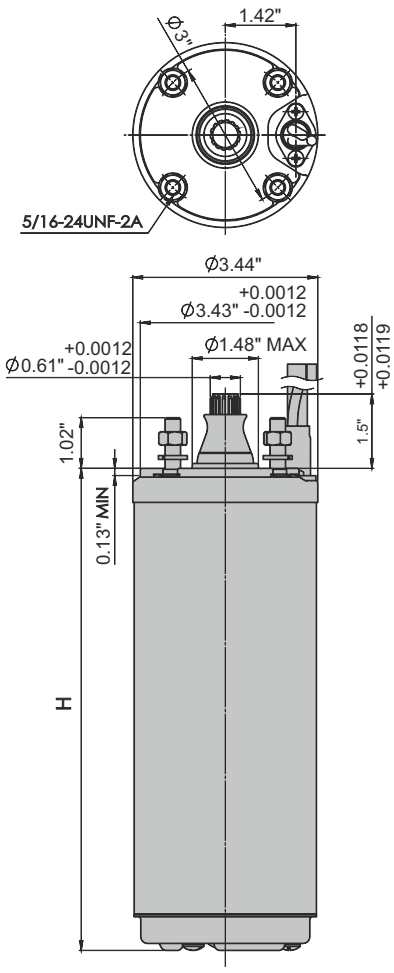
| HP | Hz | MOTOR TYPE | VOLTS | POLE | RPM | ORDER NO. / MODEL CODE | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 304 STAINLESS STEEL OVER IRON | | 316 STAINLESS STEEL |
| | | | | | | LIP SEAL | MECHANICAL SEAL | MECHANICAL SEAL |
| 0.5 | 60 | 3-wire single phase | 115 | 2 | 3400 | NCC4-000563W-A2L | NCC4-000563W-A2M | NCB4-000563W-A2M |
| 0.5 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-000563W-B2L | NCC4-000563W-B2M | NCB4-000563W-B2M |
| 0.75 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-000763W-B2L | NCC4-000763W-B2M | NCB4-000763W-B2M |
| 1 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-001063W-B3L | NCC4-001063W-B3M | NCB4-001063W-B3M |
| 1.5 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-001563W-B3L | NCC4-001563W-B3M | NCB4-001563W-B3M |
| 2 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-002063W-B3L | NCC4-002063W-B3M | NCB4-002063W-B3M |
| 3 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-003063W-B4L | NCC4-003063W-B4M | NCB4-003063W-B4M |
| 5 | 60 | 3-wire single phase | 230 | 2 | 3400 | NCC4-005063W-B6L | NCC4-005063W-B6M | NCB4-005063W-B6M |
| 0.5 | 60 | 2-wire single phase | 115 | 2 | 3400 | NCC4-000562W-A2L | NCC4-000562W-A2M | NCB4-000562W-A2M |
| 0.5 | 60 | 2-wire single phase | 230 | 2 | 3400 | NCC4-000562W-B2L | NCC4-000562W-B2M | NCB4-000562W-B2M |
| 0.75 | 60 | 2-wire single phase | 230 | 2 | 3400 | NCC4-000762W-B2L | NCC4-000762W-B2M | NCB4-000762W-B2M |
| 1 | 60 | 2-wire single phase | 230 | 2 | 3400 | NCC4-001062W-B3L | NCC4-001062W-B3M | NCB4-001062W-B3M |
| 1.5 | 60 | 2-wire single phase | 230 | 2 | 3400 | NCC4-001562W-B3L | NCC4-001562W-B3M | NCB4-001562W-B3M |
| 0.5 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-000563P-B2L | NCC4-000563P-B2M | NCB4-000563P-B2M |
| 0.5 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-000563P-D2L | NCC4-000563P-D2M | NCB4-000563P-D2M |
| 0.5 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-000563P-E2L | NCC4-000563P-E2M | NCB4-000563P-E2M |
| 0.75 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-000763P-B2L | NCC4-000763P-B2M | NCB4-000763P-B2M |
| 0.75 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-000763P-D2L | NCC4-000763P-D2M | NCB4-000763P-D2M |
| 0.75 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-000763P-E2L | NCC4-000763P-E2M | NCB4-000763P-E2M |
| 1 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-001063P-B3L | NCC4-001063P-B3M | NCB4-001063P-B3M |
| 1 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-001063P-D3L | NCC4-001063P-D3M | NCB4-001063P-D3M |
| 1 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-001063P-E3L | NCC4-001063P-E3M | NCB4-001063P-E3M |
| 1.5 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-001563P-B3L | NCC4-001563P-B3M | NCB4-001563P-B3M |
| 1.5 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-001563P-D3L | NCC4-001563P-D3M | NCB4-001563P-D3M |
| 1.5 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-001563P-E3L | NCC4-001563P-E3M | NCB4-001563P-E3M |
| 2 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-002063P-B3L | NCC4-002063P-B3M | NCB4-002063P-B3M |
| 2 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-002063P-D3L | NCC4-002063P-D3M | NCB4-002063P-D3M |
| 2 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-002063P-E3L | NCC4-002063P-E3M | NCB4-002063P-E3M |
| 3 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-003063P-B4L | NCC4-003063P-B4M | NCB4-003063P-B4M |
| 3 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-003063P-D4L | NCC4-003063P-D4M | NCB4-003063P-D4M |
| 3 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-003063P-E4L | NCC4-003063P-E4M | NCB4-003063P-E4M |
| 5 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-005063P-B6L | NCC4-005063P-B6M | NCB4-005063P-B6M |
| 5 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-005063P-D6L | NCC4-005063P-D6M | NCB4-005063P-D6M |
| 5 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-005063P-E6L | NCC4-005063P-E6M | NCB4-005063P-E6M |
| 7.5 | 60 | 3 Phase | 230 | 2 | 3450 | NCC4-007563P-B6L | NCC4-007563P-B6M | NCB4-007563P-B6M |
| 7.5 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-007563P-D6L | NCC4-007563P-D6M | NCB4-007563P-D6M |
| 7.5 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-007563P-E6L | NCC4-007563P-E6M | NCB4-007563P-E6M |
| 10 | 60 | 3 Phase | 460 | 2 | 3450 | NCC4-010063P-D7L | NCC4-010063P-D7M | NCB4-010063P-D7M |
| 10 | 60 | 3 Phase | 575 | 2 | 3450 | NCC4-010063P-E7L | NCC4-010063P-E7M | NCB4-010063P-E7M |



Date - 02/11/26
Supersedes - 13/08/25

# ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 5 HP** | **DIMENSIONS** | **MOTOR SIZE: 4"**




## 2-wire single phase motor

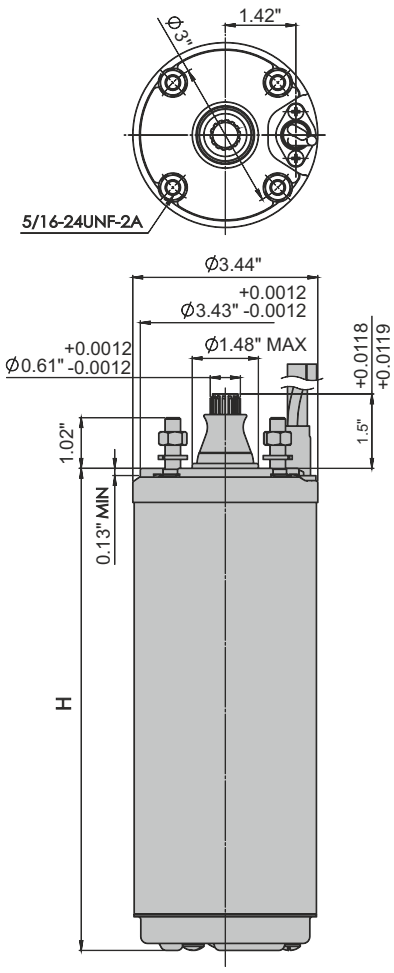
| HP | $U_N$ [V] | Dimension H (in) | | Cable (ft) | Cable (AWG) | Shipping Weight (lbs) |
|---|---|---|---|---|---|---|
| | | 304 STAINLESS STEEL OVER IRON | 316 STAINLESS STEEL | | | |
| 0.5 | 115 | 14.84 | 14.84 | 6 | 14 | 26 |
| 0.5 | 230 | 13.43 | 13.43 | 6 | 14 | 24 |
| 0.75 | 230 | 15.63 | 15.63 | 6 | 14 | 27 |
| 1 | 230 | 17.01 | 17.01 | 6 | 14 | 30 |
| 1.5 | 230 | 18.78 | 18.78 | 6 | 14 | 33 |

## 3-wire single phase motor

| HP | $U_N$ [V] | Dimension H (in) | | Cable (ft) | Cable (AWG) | Shipping Weight (lbs) |
|---|---|---|---|---|---|---|
| | | 304 STAINLESS STEEL OVER IRON | 316 STAINLESS STEEL | | | |
| 0.5 | 115 | 10.12 | 10.27 | 6 | 14 | 27 |
| 0.5 | 230 | 10.12 | 10.27 | 6 | 14 | 27 |
| 0.75 | 230 | 10.91 | 10.34 | 6 | 14 | 29 |
| 1 | 230 | 12.28 | 12.43 | 6 | 14 | 32 |
| 1.5 | 230 | 14.06 | 14.21 | 6 | 14 | 36 |
| 2 | 230 | 16.02 | 16.17 | 6 | 14 | 41 |
| 3 | 230 | 19.57 | 19.72 | 15 | 14 | 49 |
| 5 | 230 | 28.58 | 28.58 | 15 | 14 | 70 |

# ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 10 HP** | **DIMENSIONS** | **MOTOR SIZE: 4"**




## Three phase motor

| HP | $U_N$ [V] | Dimension H (in) | | Cable (ft) | Cable (AWG) | Shipping Weight (lbs) |
|---|---|---|---|---|---|---|
| | | 304 STAINLESS STEEL OVER IRON | 316 STAINLESS STEEL | | | |
| 0.5 | 230 | 10.51 | 10.66 | 6 | 14 | 24 |
| 0.5 | 460 | 10.51 | 10.66 | 6 | 14 | 24 |
| 0.5 | 575 | 10.51 | 10.66 | 6 | 14 | 24 |
| 0.75 | 230 | 11.30 | 11.45 | 6 | 14 | 26 |
| 0.75 | 460 | 11.30 | 11.45 | 6 | 14 | 26 |
| 0.75 | 575 | 11.30 | 11.45 | 6 | 14 | 26 |
| 1 | 230 | 12.68 | 12.83 | 6 | 14 | 29 |
| 1 | 460 | 12.68 | 12.68 | 6 | 14 | 29 |
| 1 | 575 | 12.68 | 12.68 | 6 | 14 | 29 |
| 1.5 | 230 | 13.27 | 13.42 | 6 | 14 | 30 |
| 1.5 | 460 | 13.27 | 13.27 | 6 | 14 | 30 |
| 1.5 | 575 | 13.27 | 13.27 | 6 | 14 | 30 |
| 2 | 230 | 14.45 | 14.60 | 6 | 14 | 33 |
| 2 | 460 | 14.45 | 14.60 | 6 | 14 | 33 |
| 2 | 575 | 14.45 | 14.60 | 6 | 14 | 33 |
| 3 | 230 | 16.42 | 16.57 | 15 | 14 | 37 |
| 3 | 460 | 16.42 | 16.57 | 15 | 14 | 37 |
| 3 | 575 | 16.42 | 16.57 | 15 | 14 | 37 |
| 5 | 230 | 25.04 | 25.04 | 15 | 14 | 58 |
| 5 | 460 | 25.04 | 25.04 | 15 | 14 | 58 |
| 5 | 575 | 25.04 | 25.04 | 15 | 14 | 58 |
| 7.5 | 230 | 28.58 | 28.58 | 15 | 14 | 66 |
| 7.5 | 460 | 28.58 | 28.58 | 15 | 14 | 66 |
| 7.5 | 575 | 28.58 | 28.58 | 15 | 14 | 66 |
| 10 | 460 | 32.13 | 32.13 | 15 | 14 | 74 |
| 10 | 575 | 32.13 | 32.13 | 15 | 14 | 74 |

# ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 5 HP** | **PERFORMANCE DATA-60 Hz** | **MOTOR SIZE: 4"**

## 2-wire single phase motor

| HP | S.F. | $U_N$ [V] | $n_N$ [$min^{-1}$] | $I_N$ [A] | Imax [A] | Istart [A] | Cos φ PF[%] | Effi.[%] | Thrust Load [N] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 100% load | 100% load | |
| 0.5 | 1.6 | 115 | 3400 | 8.2 | 10.4 | 33 | 0.83 | 46 | 1500 |
| 0.5 | 1.6 | 230 | 3400 | 4.5 | 5.6 | 15 | 0.87 | 42 | 1500 |
| 0.75 | 1.5 | 230 | 3400 | 6.1 | 7.2 | 27 | 0.84 | 46 | 1500 |
| 1 | 1.4 | 230 | 3400 | 7.0 | 8.6 | 28 | 0.96 | 48 | 3000 |
| 1.5 | 1.3 | 230 | 3400 | 12.5 | 13.2 | 47 | 0.78 | 49 | 3000 |

## 3-wire single phase motor

| HP | S.F. | $U_N$ [V] | $n_N$ [$min^{-1}$] | $I_N$ [A] | Imax [A] | Istart [A] | Cos φ PF[%] | Effi.[%] | Thrust Load [N] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 100% load | 100% load | |
| 0.5 | 1.6 | 115 | 3400 | 7.9 | 9.1 | 30 | 0.85 | 42 | 1500 |
| 0.5 | 1.6 | 230 | 3400 | 3.9 | 5.0 | 20 | 0.81 | 45 | 1500 |
| 0.75 | 1.5 | 230 | 3400 | 4.7 | 6.2 | 28 | 0.90 | 52 | 1500 |
| 1 | 1.4 | 230 | 3400 | 6.0 | 7.6 | 35 | 0.91 | 54 | 1500 |
| 1.5 | 1.30 | 230 | 3400 | 8.7 | 9.9 | 42 | 0.83 | 59 | 3000 |
| 2 | 1.25 | 230 | 3400 | 10.2 | 12.4 | 57 | 0.95 | 62 | 3000 |
| 3 | 1.15 | 230 | 3400 | 15.3 | 16.7 | 67 | 0.95 | 64 | 3000 |
| 5 | 1.15 | 230 | 3400 | 24.2 | 29.3 | 90 | 0.97 | 65 | 3000 |

# ENCAPSULATED WATER FILLED MOTORS

**0.5 HP to 10 HP** | **PERFORMANCE DATA-60 Hz** | **MOTOR SIZE: 4"**

## Three phase motor

| HP | S.F. | $U_N$ [V] | $n_N$ [$min^{-1}$] | $I_N$ [A] | Imax [A] | Istart [A] | Cos φ PF[%] | Effi.[%] | Thrust Load [N] |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 100% load | 100% load | |
| 0.5 | 1.6 | 230 | 3450 | 2.52 | 3.07 | 16 | 0.70 | 50 | 1500 |
| 0.5 | 1.6 | 460 | 3450 | 1.24 | 1.52 | 5.8 | 0.70 | 52 | 1500 |
| 0.5 | 1.6 | 575 | 3450 | 0.99 | 1.22 | 5 | 0.70 | 51 | 1500 |
| 0.75 | 1.5 | 230 | 3450 | 3.15 | 3.96 | 19 | 0.73 | 56 | 1500 |
| 0.75 | 1.5 | 460 | 3450 | 1.71 | 2.09 | 10 | 0.71 | 55 | 1500 |
| 0.75 | 1.5 | 575 | 3450 | 1.22 | 1.53 | 7 | 0.73 | 58 | 1500 |
| 1 | 1.4 | 230 | 3450 | 4.02 | 4.84 | 25 | 0.71 | 62 | 3000 |
| 1 | 1.4 | 460 | 3450 | 2.16 | 2.55 | 12 | 0.76 | 56 | 3000 |
| 1 | 1.4 | 575 | 3450 | 1.59 | 1.93 | 9 | 0.75 | 59 | 3000 |
| 1.5 | 1.3 | 230 | 3450 | 4.55 | 6.20 | 40 | 0.75 | 64 | 3000 |
| 1.5 | 1.3 | 460 | 3450 | 2.74 | 3.19 | 21 | 0.70 | 66 | 3000 |
| 1.5 | 1.3 | 575 | 3450 | 2.21 | 2.57 | 14 | 0.75 | 63 | 3000 |
| 2 | 1.25 | 230 | 3450 | 6.56 | 7.70 | 45 | 0.79 | 68 | 3000 |
| 2 | 1.25 | 460 | 3450 | 3.67 | 4.15 | 27 | 0.71 | 67 | 3000 |
| 2 | 1.25 | 575 | 3450 | 2.83 | 3.23 | 17 | 0.79 | 64 | 3000 |
| 3 | 1.15 | 230 | 3450 | 9.68 | 10.64 | 62 | 0.76 | 68 | 4000 |
| 3 | 1.15 | 460 | 3450 | 4.70 | 5.23 | 29 | 0.81 | 71 | 4000 |
| 3 | 1.15 | 575 | 3450 | 3.82 | 4.19 | 23 | 0.79 | 70 | 4000 |
| 5 | 1.15 | 230 | 3450 | 15.16 | 16.85 | 95 | 0.79 | 71 | 6000 |
| 5 | 1.15 | 460 | 3450 | 7.93 | 8.75 | 47 | 0.76 | 72 | 6000 |
| 5 | 1.15 | 575 | 3450 | 6.41 | 7.00 | 43 | 0.76 | 71 | 6000 |
| 7.5 | 1.15 | 230 | 3450 | 22.32 | 24.63 | 103 | 0.82 | 72 | 6000 |
| 7.5 | 1.15 | 460 | 3450 | 11.33 | 12.60 | 62 | 0.80 | 73 | 6000 |
| 7.5 | 1.15 | 575 | 3450 | 9.34 | 10.50 | 54 | 0.78 | 73 | 6000 |
| 10 | 1.15 | 460 | 3450 | 15.61 | 17.21 | 92 | 0.76 | 73 | 6000 |
| 10 | 1.15 | 575 | 3450 | 12.39 | 13.58 | 61 | 0.80 | 73 | 6000 |

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## CONTROL BOX

0.5 HP to 5 HP | MODEL CODE | MOTOR SIZE: 4"

| NB | C | 4 | S | 0005 | A |
|---|---|---|---|---|---|

### Volts

| Code | Volts |
|---|---|
| A | 110-115V |
| B | 220-230V |

### Motor HP

| Code | HP |
|---|---|
| 0005 | 0.5 HP |
| 0007 | 0.75 HP |
| 0010 | 1 HP |
| 0050 | 5 HP |

### Capacitor Type

| Code | Capacitor Type |
|---|---|
| S | Start capacitor |
| D | Start & Run capacitor |

### Motor size

| Code | Size |
|---|---|
| 4 | 4" |

### Submersible Motor Type

| Code | Submersible Motor Type |
|---|---|
| C | Encapsulated water filled motor |

### Series name

| Code | Series |
|---|---|
| NB | Control box |



Date - 02/11/26
Supersedes - 13/08/25

# CONTROL BOX

**SIngle Phase** | **ORDER INFORMATION** | **MOTOR SIZE: 4"**

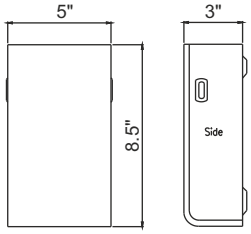
| Model | Capacitor Type | HP | Voltage [V] | Start Capacitor MFD | Run Capacitor UF |
|---|---|---|---|---|---|
| NB-C-4-D-0005-A | START & RUN | 0.5 | 115 | 80 - 100 MFD 400V | 20UF 440V |
| NB-C-4-D-0005-B | START & RUN | 0.5 | 230 | 60 - 80 MFD 400V | 15UF 440V |
| NB-C-4-D-0007-B | START & RUN | 0.75 | 230 | 120 - 150 MFD 400V | 20UF 440V |
| NB-C-4-D-0010-B | START & RUN | 1.0 | 230 | 100 - 120 MFD 400V | 25UF 440V |
| NB-C-4-D-0015-B | START & RUN | 1.5 | 230 | 150 - 200 MFD 400V | 20UF 440V |
| NB-C-4-D-0020-B | START & RUN | 2.0 | 230 | 200 - 250 MFD 400V | 30UF 440V |
| NB-C-4-D-0030-B | START & RUN | 3.0 | 230 | 200 - 250 MFD 400V | 60UF 440V |
| NB-C-4-D-0050-B | START & RUN | 5.0 | 230 | 250 - 300 MFD 400V | 72UF 440V |

# CONTROL BOX

**SIngle Phase** | **DIMENSIONS** | **MOTOR SIZE: 4"**

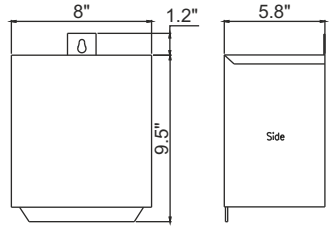
Start & Run Capacitor Control box




Start & Run Capacitor Control box




| HP | kW | Voltage [V] | Capacitor Type | Carton Box Size | | | Bottom Knockouts Quantity | Side Knockouts Diameter | Volume |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L | W | H | | | |
| 0.5 | 0.37 | 115 | START & RUN | 9.9” | 5.5” | 3.6” | 2 | Ø0.86" | 39.3" x 32.2" x 54.3" |
| 0.5 | 0.37 | 230 | START & RUN | 9.9" | 5.5" | 3.6" | 2 | Ø0.86" | 39.3" x 32.2" x 54.3" |
| 0.75 | 0.55 | 230 | START & RUN | 9.9" | 5.5" | 3.6" | 2 | Ø0.86" | 39.3" x 32.2" x 54.3" |
| 1.0 | 0.75 | 230 | START & RUN | 9.9" | 5.5" | 3.6" | 2 | Ø0.86" | 39.3" x 32.2" x 54.3" |
| 1.5 | 1.1 | 230 | START & RUN | 11.5" | 8.5" | 6.5" | 2 | Ø1.3" | 40.9" x 34.6" x 55.1" |
| 2.0 | 1.5 | 230 | START & RUN | 11.5" | 8.5" | 6.5" | 2 | Ø1.3" | 40.9" x 34.6" x 55.1" |
| 3.0 | 2.2 | 230 | START & RUN | 11.5" | 8.5" | 6.5" | 2 | Ø1.3" | 40.9" x 34.6" x 55.1" |
| 5.0 | 3.7 | 230 | START & RUN | 11.5" | 8.5" | 6.5" | 2 | Ø1.3" | 40.9" x 34.6" x 55.1" |

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*Product Improvement and changes are a continuous process at 'Northam'. The data given in this publication is therefore subject to revision.*