

# Submittal Data Sheet

Wilo NL-HE – Base Mounted End Suction Pumps

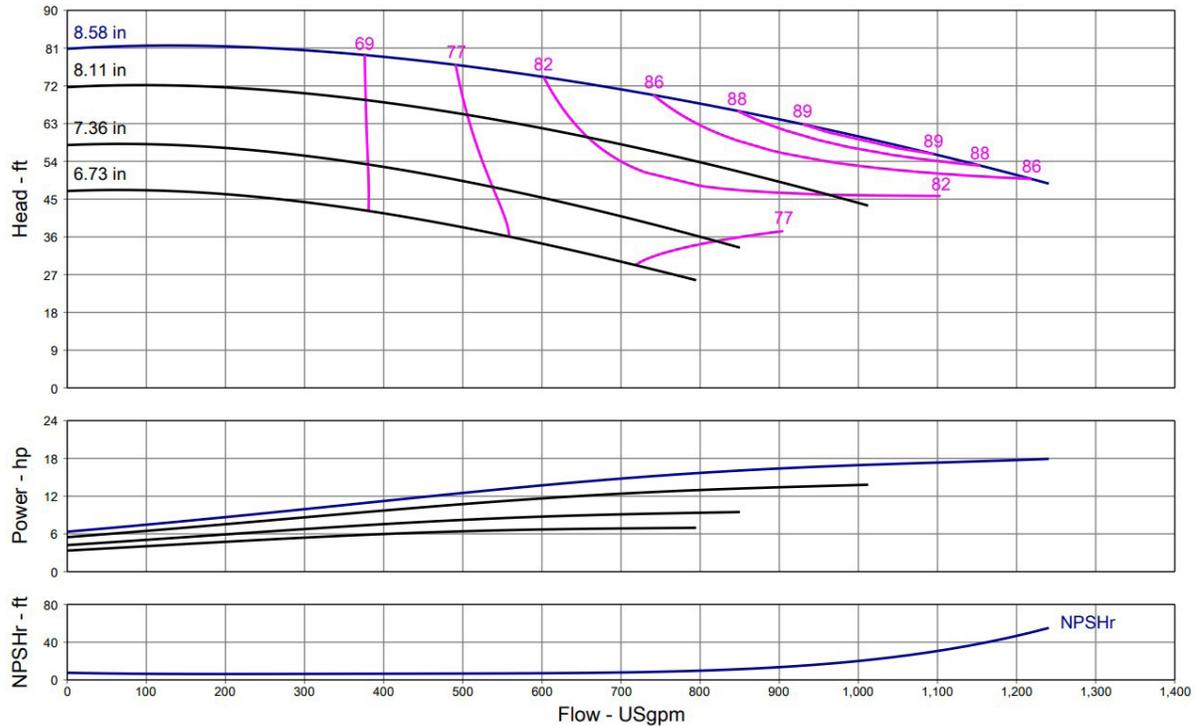


## NL-HE 5 x 4 x 8 (4 Pole)



|               |       |
|---------------|-------|
| Project:      |       |
| Engineer:     |       |
| Contractor:   |       |
| Submitted By: | Date: |
| Approved By:  | Date: |

| Tag # | Model #         | Flow (USGPM) | Head (Feet) | HP | Enclosure | Frame | Cycle | Phase | Voltage | RPM |
|-------|-----------------|--------------|-------------|----|-----------|-------|-------|-------|---------|-----|
|       | NL-HE 5 x 4 x 8 |              |             |    |           |       | 60Hz  | 3     |         |     |



| Technical Data  |  |
|---|--|
| PEI   |  |
| 0.91  |  |
| Approved Fluids   |  |
| Heating Water   |  |
| Cooling and cold water  |  |
| Pressure /Temperature Ratings   |  |
| Ambient Temperature:  | +5 °F to +104 °F (-15 °C to +40 °C)  |
| Max Working Pressure & Temperature:                                   | 189 psi (up to 284 °F Fluid Temperature)<br>232 psi (up to 248 °F Fluid Temperature) |
| Water-Glycol Mixtures for 20-40% glycol and fluid temp ≤ 104°F (40°C) |  |

| Materials of Construction  |  |
|----------------------------|--|
| Pump Housing               | EN-GL-250 Gray Cast Iron               |
| Impeller                   | EN 1.4408 Cast Stainless Steel         |
| Impeller (optional)        | CC480K Bronze or EN-GJL 1030 Cast Iron |
| Pump Shaft                 | 1.4021 + QT700 Stainless Steel         |
| Mechanical Seal            | Carbon/silicon carbide/EPDM (E1)       |
| Other Mechanical Seals     | Avail. on request                      |
| Additional Spacer Coupling | Avail. on request                      |
| Other:                     |  |



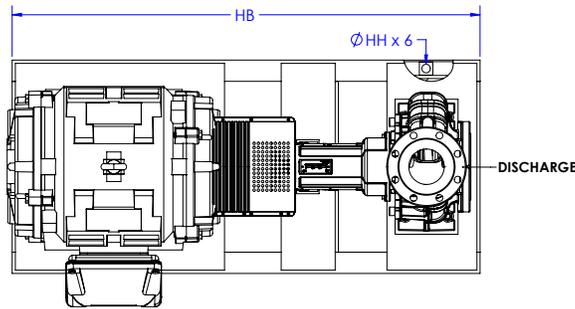
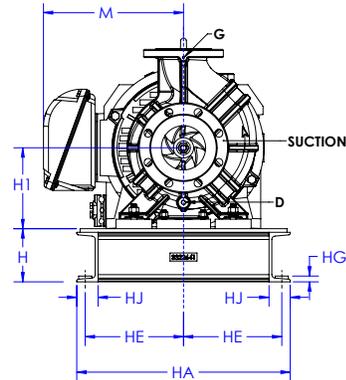
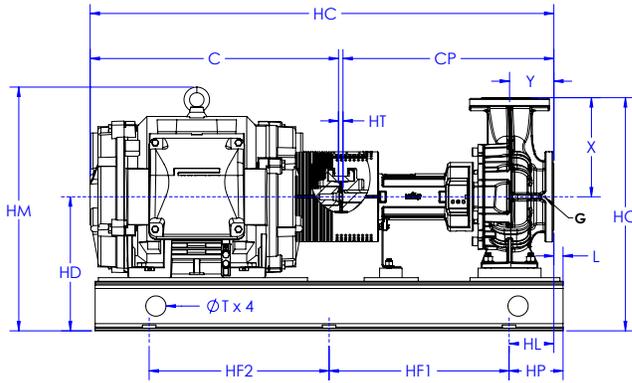
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## Wilo NL-HE - Base Mounted End Suction Pumps



### Dimensions & Weights

#### Wilo NL-HE



| FLANGES/CONNECTIONS |                               |
|---------------------|-------------------------------|
| SUCTION             | 5" ASME B16.1-125#            |
| DISCHARGE           | 4" ASME B16.1-125# COMPATIBLE |
| G                   | DIN 3858-Rp1/8" BSPP          |
| D                   | DIN 3858-Rp3/8" BSPP          |

#### NL-HE 5 x 4 x 8

| Motor |     |      |        |             |      |      |      | Dimensions - Inches |     |      |      |      |      |      |      |      |     |     |     |      |      |      |      |     | Wt. (lb) |     |     |     |      |      |      |     |
|-------|-----|------|--------|-------------|------|------|------|---------------------|-----|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-----|----------|-----|-----|-----|------|------|------|-----|
| PEI   | HP  | ENCL | Frame  | Volt        | RPM  | EFF  | PF   | H                   | H1  | X    | HD   | HO   | HM   | M    | HA   | HE   | HG  | HJ  | Y   | HT   | HC   | C    | CP   | L   |          | HL  | T   | HH  | HP   | HF1  | HF2  | HB  |
| 0.91  | 7.5 | ODP  | 213/5T | 208-230/460 | 1770 | 91   | 0.82 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 18.7 | 8.0  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 40.5 | 16.6 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 529 |
| 0.91  | 7.5 | TEFC | 213/5T | 208-230/460 | 1765 | 91.7 | 0.82 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.4 | 8.6  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 43.5 | 19.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 581 |
| 0.91  | 7.5 | ODP  | 213/5T | 575         | 1770 | 91   | 0.82 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 18.7 | 8.0  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 40.5 | 16.6 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 529 |
| 0.91  | 7.5 | TEFC | 213/5T | 575         | 1765 | 91.7 | 0.82 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.4 | 8.6  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 43.5 | 19.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 580 |
| 0.91  | 10  | ODP  | 213/5T | 208-230/460 | 1770 | 91.7 | 0.83 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 18.7 | 8.0  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 40.5 | 16.6 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 535 |
| 0.91  | 10  | TEFC | 213/5T | 208-230/460 | 1765 | 91.7 | 0.83 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.4 | 8.6  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 43.5 | 19.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 592 |
| 0.91  | 10  | ODP  | 213/5T | 575         | 1770 | 91.7 | 0.83 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 18.7 | 8.0  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 40.5 | 16.6 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 535 |
| 0.91  | 10  | TEFC | 213/5T | 575         | 1765 | 91.7 | 0.83 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.4 | 8.6  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 43.5 | 19.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 591 |
| 0.91  | 15  | ODP  | 254/6T | 208-230/460 | 1775 | 93   | 0.8  | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.5 | 9.5  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 44.4 | 20.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 604 |
| 0.91  | 15  | TEFC | 254/6T | 208-230/460 | 1765 | 92.4 | 0.83 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 22.4 | 10.5 | 23.7 | 10.9 | 0.6 | 2.4 | 4.9 | 0.50 | 49.0 | 25.0 | 23.4 | 1.0 | 5.0      | 2.3 | 1.0 | 6.0 | 20.0 | 20.0 | 52.0 | 783 |
| 0.91  | 15  | ODP  | 254/6T | 575         | 1775 | 93   | 0.8  | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.5 | 9.5  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 44.4 | 20.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 604 |
| 0.91  | 15  | TEFC | 254/6T | 575         | 1765 | 92.4 | 0.83 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 22.4 | 10.5 | 23.7 | 10.9 | 0.6 | 2.4 | 4.9 | 0.50 | 49.0 | 25.0 | 23.4 | 1.0 | 5.0      | 2.3 | 1.0 | 6.0 | 20.0 | 20.0 | 52.0 | 781 |
| 0.91  | 20  | ODP  | 254/6T | 208-230/460 | 1770 | 93   | 0.81 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.5 | 9.5  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 44.4 | 20.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 629 |
| 0.91  | 20  | TEFC | 254/6T | 208-230/460 | 1765 | 93   | 0.84 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 22.4 | 10.5 | 23.7 | 10.9 | 0.6 | 2.4 | 4.9 | 0.50 | 49.0 | 25.0 | 23.4 | 1.0 | 5.0      | 2.3 | 1.0 | 6.0 | 20.0 | 20.0 | 52.0 | 831 |
| 0.91  | 20  | ODP  | 254/6T | 575         | 1770 | 93   | 0.81 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 19.5 | 9.5  | 21.7 | 9.9  | 0.6 | 2.4 | 4.9 | 0.50 | 44.4 | 20.5 | 23.4 | 1.0 | 3.7      | 2.3 | 1.0 | 4.8 | 19.0 | 19.0 | 47.5 | 628 |
| 0.91  | 20  | TEFC | 254/6T | 575         | 1765 | 93   | 0.84 | 5.9                 | 7.9 | 11.0 | 13.8 | 24.8 | 22.4 | 10.5 | 23.7 | 10.9 | 0.6 | 2.4 | 4.9 | 0.50 | 49.0 | 25.0 | 23.4 | 1.0 | 5.0      | 2.3 | 1.0 | 6.0 | 20.0 | 20.0 | 52.0 | 829 |