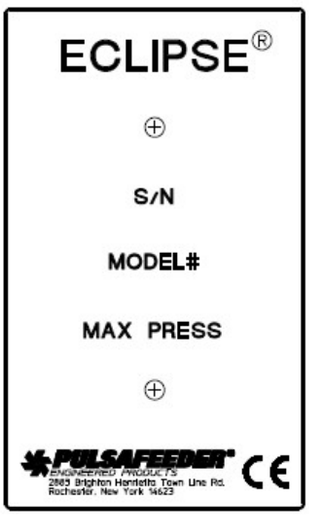
# E25 / EH25 Eclipse Pump Non-metallic

## Pump Namplate




Eclipse Model Structure

| 1 | 2/3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|
| E | 25 | | | | | - | |

## Pump Model Identification

| Position | Code | Specifies | Options |
|---|---|---|---|
| **1** | **E**<br>**EH** | Model | **E** – Eclipse<br>**EH**- Eclipse Hypo |
| **2 and 3** | **25** | Pump Size | **25 –** Max. Capacity 7.4 gpm (28.0 lpm) |
| **4** | **N** | Housing Material | **N –** PVDF, FLANGED |
| **5** | **L, B** | Bearings | **L** – Carbon<br>**B** – Silicon Carbide |
| **6** | **V, E, K** | O-rings | **V** – Viton<br>**E** – EPDM<br>**K** – Perfluorelastomer |
| **7** | **F, O, K**<br>**L, P,R, Y** | Motor Mounting | **F** – NEMA 56C<br>**O** – NEMA 143/5TC-182/4C<br>**K** – IEC 80 B3/B14<br>**L** – IEC 90 B3/B14<br>**P** – IEC 100/112 B3/B14<br>**R** – NEMA 182TC-184TC<br>**Y** – No Motor Mounting Kit |
| **8** | **-** | | **Dash** |

# Pump Model Identification - Continued

| Position | Code | Specifies | Options |
|---|---|---|---|
| 9 | X, A, N,B | | **X** – Ceramic shafts and Teflon gears<br>**A-** Bearing Flush Port (1x 1/8" FNPT / BSPT Connection located in the center front cover)<br>**N –** Pump Wet End Only<br>**B-** Combination Of 9th Position Options "A" AND "N"<br>**X-ATEX**- Standard Pump with ATEX Directive - CE-EX II 2G T6 II 2D T6<br>**A-ATEX -** Bearing Flush with ATEX Directive - CE Ex II 2G T6 II 2D T6<br>**N**-ATEX - Wet end only with ATEX Directive - CE-EX II 2G T6 II 2D T6<br>**B-ATEX -**Wet End Only and Bearing Flush with ATEX Directive - CE Ex II 2G T6 II 2D |

# KOPkit Part Number Identification

Eclipse KOP kit Structure

| 1 | 2/3 | 4 | 5 | 6 | Suffix |
|---|---|---|---|---|---|
| E | 25 | | | | - |

| Position | Code | Specifies | Options |
|---|---|---|---|
| 1 | E | Model | **E** – Eclipse |
| | EH | | **EH-** Eclipse Hypo |
| 2 and 3 | 25 | Pump Size | **25 – Max. Capacity 7.4 gpm (28 lpm)** |
| 4 | X | Housing Material | **X** – All **Non-Metallic** pumps |
| 5 | L, B | Bearings | **L** – Carbon |
| | | | **B** – Silicon Carbide |
| 6 | V, E, K | O-rings | **V** – Viton |
| | | | **E** – EPDM |
| | | | **K** – Perfluorelastomer |
| Suffix | LTE, STD | | |
| | PRO | | |

**KOPKit Suffix Selection Bills of Material**
(Select one option)

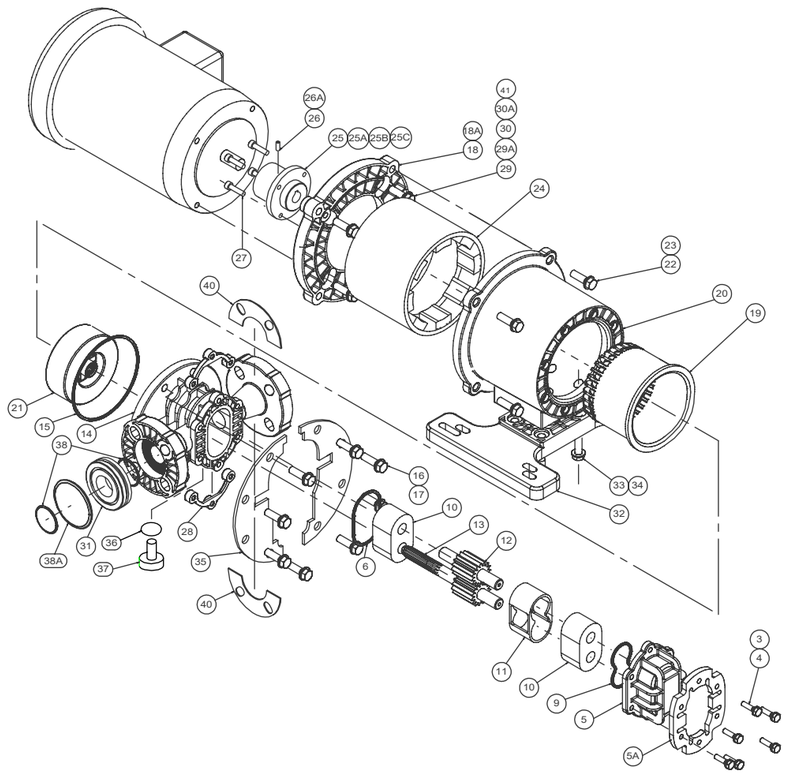
| | Description | Item | Qty |
|---|---|---|---|
| -LTE | Liner, Housing | 11 | 1 |
| | Gear Assembly, Drive | 13 | 1 |
| | Gear Assembly, Idler | 12 | 1 |
| | O-ring Cover | 6 | 1 |

| | Description | Item | Qty |
|---|---|---|---|
| -STD | Bearing | 10 | 2 |
| | Liner, Housing | 11 | 1 |
| | Gear Assembly, Drive | 13 | 1 |
| | Gear Assembly, Idler | 12 | 1 |
| | O-ring Cover | 6 | 1 |
| | O-ring Compression | 9 | 2 |

| | Description | Item | Qty |
|---|---|---|---|
| -PRO | Bearing | 10 | 2 |
| | Liner, Housing | 11 | 1 |
| | Gear Assembly, Drive | 13 | 1 |
| | Gear Assembly, Idler | 12 | 1 |
| | O-ring Cover | 6 | 1 |
| | O-ring Compression | 9 | 2 |
| | Bolt | 3 | 6 |
| | Washer | 4 | 6 |
| | Plate, Nut | 28 | 2 |

| | Description | Item | Part Number: | Material | Qty |
|---|---|---|---|---|---|
| COMMON PARTS | Front cover (N) | 5 | NG020003-PVD | PVD | 1 |
| | Center housing Flg (N) | 14 | NG040023-PVD | PVD | 1 |
| | Adapter, Spool | 20 | NG110009-ALU | Aluminum | 1 |
| | Retaining plate | 35 | NG120007-000 | Stainless steel | 2 |
| | Flange plate | 40 | NG120010-188 | Stainless steel | 4 |
| | Cover plate | 5A | NG120013-188 | Stainless steel | 1 |
| | Driven Magnet Assembly | 21 | NG200032-TEF | Neo / ETFE | 1 |
| | Drive Magnet | 24 | NG200036-STL | Neo / Steel | 1 |
| | Containment Can (N) | 19 | NG210006-PVD | PVD | 1 |
| | Name tag | 1 | NG550003-304 | Stainless steel | 1 |
| | Mounting Base | 32 * | NG970001-ALU | Polyester | 1 |
| | Nut Plates | 28 | NG990010-188 | Stainless steel | 2 |
| | Drain Plug | 37 | NG990014-FTE | ETFE | 1 |
| | Washers | 4 | NG990018-188 | Stainless steel | 6 |
| | Washers | 17 | NG990019-188 | Stainless steel | 8 |
| | Washer | 34 * | NG990019-188 | Stainless steel | 4 |
| | Bolts | 3 | W770405-188 | Stainless steel | 6 |
| | Bolt | 33 * | W770425-188 | Stainless steel | 4 |
| | Bolts | 16 | W770426-188 | Stainless steel | 8 |
| | Drive Screw | 2 | W771000-188 | Stainless steel | 2 |

| LINER, GEAR & BEARING | Description | Item | Part Number: | Material | Qty |
|---|---|---|---|---|---|
| "L" | Bearing | 10 | NG080003-CBN | Carbon -92 | 2 |
| "B" | Bearing | 10 | NG080003-SIC | Silicon Carbide | 2 |
| "L" & "B" | Housing Liner | 11 | NG220004-FTE | ETFE | 1 |
| | Drive gear Assembly | 13 | NG010018-FTE | ETFE / ALA | 1 |
| | Idler Gear Assembly | 12 | NG010017-FTE | ETFE / ALA | 1 |




| ORING MATERIAL | Description | Item | Part Number: | Material | Qty |
|---|---|---|---|---|---|
| "V" | Oring Containment Can | 15 | W209729-VTN | Viton | 1 |
| | Oring Cover | 6 | NP440147-VTN | Viton | 1 |
| | Oring Drain Plug | 36 | W059100-VTN | Viton | 1 |
| | Oring Compression | 9 | NP440138-VTN | Viton | 1 |
| "E" | Oring Containment Can | 15 | NG440158-N0R | EPDM | 1 |
| | Oring Cover | 6 | NG440147-N0R | EPDM | 1 |
| | Oring Drain Plug | 36 | W059100-N0R | EPDM | 1 |
| | Oring Compression | 9 | NG440138-N0R | EPDM | 1 |
| "K" | Oring Containment Can | 15 | NG440158-KLZ | Kalrez | 1 |
| | Oring Cover | 6 | NG440147-KLZ | Kalrez | 1 |
| | Oring Drain Plug | 36 | NG440012-KLZ | Kalrez | 1 |
| | Oring Compression | 9 | NG440138-KLZ | Kalrez | 1 |

| FLANGE ORING | Description | Item | Part Number: | Material | Qty |
|---|---|---|---|---|---|
| V | KIT, Flange Gaskets / Orings | | NG450001-VTN | Viton | 2 |
| | .....Oring Gasket | 38 | NP440129-VTN | Viton | 2 |
| | .....Oring Gasket | 38A | NP440137-VTN | Viton | 1 |
| | .....Flange Gaskets | 31 | NG130001-TFE | Teflon | 1 |
| E | KIT, Flange Gaskets / Orings | | NG450001-N0R | EPDM | 2 |
| | .....Oring Gasket | 38 | NG440129-N0R | EPDM | 2 |
| | .....Oring Gasket | 38A | NG440137-N0R | EPDM | 1 |
| | .....Flange Gaskets | 31 | NG130001-TFE | Teflon | 1 |
| K | KIT, Flange Gaskets / Orings | | NG450001-KLZ | KALREZ | 2 |
| | .....Oring Gasket | 38 | NG440129-KLZ | KALREZ | 2 |
| | .....Oring Gasket | 38A | NG440137-KLZ | KALREZ | 1 |
| | .....Flange Gaskets | 31 | NG130001-TFE | Teflon | 1 |

| 56C Nema frame | Description | Item | Part Number: | Material | Qty |
|---|---|---|---|---|---|
| F | Coupling Hub | 25 | NG940002-STL | Steel | 1 |
| | ADAPTOR, MOTOR | 18 | NG110006-PET | POLYESTER | 1 |
| | Set Screw | 26 | W771004-031 | Steel | 1 |
| | Bolts | 29 | W770424-188 | Stainless steel | 4 |
| | Washer | 30 | NG990019-188 | Stainless steel | 4 |
| | Bolt | 22 | W770426-188 | Stainless steel | 4 |
| | Washer | 23 | NG990019-188 | Stainless steel | 4 |
| | Screws | 27 | W770021-188 | Stainless steel | 4 |
| **143TC - 182C** | **Description** | **Item** | **Part Number:** | **Material** | **Qty** |
| O | Coupling Hub | 25 | NG940003-STL | Steel | 1 |
| | ADAPTOR, MOTOR | 18 | NG110006-PET | POLYESTER | 1 |
| | Set Screw | 26 | W771004-031 | Steel | 1 |
| | Bolts | 29 | W770424-188 | Stainless steel | 4 |
| | Washer | 30 | NG990019-188 | Stainless steel | 4 |
| | Bolt | 22 | W770426-188 | Stainless steel | 4 |
| | Washer | 23 | NG990019-188 | Stainless steel | 4 |
| | Screws | 27 | W770021-188 | Stainless steel | 4 |
| **100/112 IEC B14** | **Description** | **Item** | **Part Number:** | **Material** | **Qty** |
| P | Coupling Hub | 25A | NG940006-STL | Steel | 1 |
| | ADAPTOR, MOTOR | 18 | NG110006-PET | POLYESTER | 1 |
| | Set Screw | 26A | NP991004-018 | Steel | 1 |
| | Bolts | 29A | W770534-188 | Stainless steel | 4 |
| | Washer | 30A | NP991018-188 | Stainless steel | 4 |
| | Bolt | 22 | W770426-188 | Stainless steel | 4 |
| | Washer | 23 | NG990019-188 | Stainless steel | 4 |
| | Screws | 27 | W770021-188 | Stainless steel | 4 |
| **80 IEC B14 frame** | **Description** | **Item** | **Part Number:** | **Material** | **Qty** |
| K | Coupling Hub 80 | 25A | NG940005-STL | Steel | 1 |
| | ADAPTOR | 26A | NG110020-ALU | Steel | 1 |
| | Set Screw | 26A | NP991004-001 | Steel | 1 |
| | Bolts | 29A | NP999121-188 | Stainless steel | 4 |
| | Washers | 30A | NP991017-188 | Stainless steel | 4 |
| | Bolt | 22 | W770426-188 | Stainless steel | 4 |
| | Washer | 23 | NG990019-188 | Stainless steel | 4 |
| | Screws | 27 | W770021-188 | Stainless steel | 4 |
| **90 IEC B14 frame** | **Description** | **Item** | **Part Number:** | **Material** | **Qty** |
| L | Coupling Hub 90 | 25A | NG940013-STL | Steel | 1 |
| | ADAPTOR | 26A | NG110020-ALU | Steel | 1 |
| | Set Screw | 26A | NP991004-018 | Steel | 1 |
| | Bolts | 29A | NP999004-188 | Stainless steel | 4 |
| | Washers | 30A | NP991018-188 | Stainless steel | 4 |
| | Bolt | 22 | W770426-188 | Stainless steel | 4 |
| | Washer | 23 | NG990019-188 | Stainless steel | 4 |
| | Screws | 27 | W770021-188 | Stainless steel | 4 |
| **182TC - 184TC** | **Description** | **Item** | **Part Number:** | **Material** | **Qty** |
| R | Coupling Hub | 25 | NG940018-STL | Steel | 1 |
| | Adaptor, Spool C 182/184TC | 18 | NG110028-PVC | PVC | 1 |
| | Set Screw | 26 | W771004-046 | Steel | 1 |
| | Bolts | 29 | W770482-188 | Stainless steel | 4 |
| | Washer | 30 | W771009-188 | Stainless steel | 4 |
| | Bolt | 22 | W770425-188 | Stainless steel | 4 |
| | Screws | 27 | W770021-188 | Stainless steel | 4 |
| | Washers | 41 | W771035-188 | Stainless steel | 4 |

## Eclipse Pump Series Non-Metallic E25

**Note: *Items 32, 33 and 34 are NOT included when motor option R (182TC-184TC) is selected**