

## FE4P16-18 N Series Battery Balance Weight Type Forklift

|                  |      |                                                                     |                             |              |              |
|------------------|------|---------------------------------------------------------------------|-----------------------------|--------------|--------------|
| Identification   | 1.1  | Manufacture(abbreviation)                                           |                             | Noblelift    | Noblelift    |
|                  | 1.2  | Manufacturer's type designation                                     |                             | FE4P16N      | FE4P18N      |
|                  | 1.3  | Drive:electric(battery or mains), diesel, petrol gas, manual)       |                             | electric     | electric     |
|                  | 1.4  | Type of operation(hand, pedestrian, standing, seated, order-picker) |                             | seated       | seated       |
|                  | 1.5  | Load capacity/rated load                                            | Q(lbs)                      | 3520         | 3850         |
|                  | 1.6  | Load centre distance                                                | C(in)                       | 19.7         | 19.7         |
|                  | 1.8  | Load distance, centre of drive axle to fork                         | x(in)                       | 15           | 15           |
|                  | 1.9  | wheelbase                                                           | y(in)                       | 59.1         | 59.1         |
| Weights          | 2.1  | Service weight incl. battery(see line 6.5)                          | lbs                         | 6864         | 7392         |
|                  | 2.2  | Axle loading ,laden front/rear                                      | lbs                         | 888.8/173.3  | 994.5/155.3  |
|                  | 2.3  | Axle loading,unladen front/rear                                     | lbs                         | 334.1/375    | 350/413.6    |
| Wheels, Chassis  | 3.1  | Type:solid rubber, superelastic, pneumatic, polyurethane            |                             | pneumatic    | pneumatic    |
|                  | 3.2  | Tyres size, front                                                   |                             | 6.50-10-10PR | 6.50-10-10PR |
|                  | 3.3  | Tyres size, rear                                                    |                             | 5.00-8-10PR  | 5.00-8-10PR  |
|                  | 3.5  | Wheels, number front/rear(×=driven wheels)                          |                             | 2×/2         | 2×/2         |
|                  | 3.6  | Track width, front                                                  | b10(in)                     | 38.2         | 38.2         |
|                  | 3.7  | Track width, rear                                                   | b11(in)                     | 36.2         | 36.2         |
| Basic Dimensions | 4.1  | Mast/fork carriage tilt forward/backward                            | $\alpha / \beta (^{\circ})$ | 6/10         | 6/10         |
|                  | 4.2  | lowered mast height                                                 | h1(in)                      | 79.1         | 79.1         |
|                  | 4.3  | Free lift                                                           | h2(in)                      | 4.9          | 4.9          |
|                  | 4.4  | Lift height                                                         | h3(in)                      | 118.1        | 118.1        |
|                  | 4.5  | Extended mast height                                                | h4(in)                      | 153.0        | 153.0        |
|                  | 4.7  | Overhead load guardheight                                           | h6(in)                      | 86.2         | 86.2         |
|                  | 4.8  | Seat height/standing height                                         | h7(in)                      | 43.7         | 43.7         |
|                  | 4.12 | Coupling height                                                     | h10(in)                     | 11.4         | 11.4         |
|                  | 4.19 | Overall length                                                      | l1(in)                      | 117.4        | 117.4        |
|                  | 4.20 | Length to face of forks                                             | l2(in)                      | 81.1         | 81.1         |
|                  | 4.21 | Overall width                                                       | b1(in)                      | 45.3         | 45.3         |
|                  | 4.22 | Fork dimensions                                                     | s/e/l(in)                   | 1.4/3.9/36.2 | 1.4/3.9/36.2 |
|                  | 4.24 | Fork carriage width                                                 | b3(in)                      | 36.2         | 36.2         |
|                  | 4.31 | Ground clearance ,laden, under mast                                 | m1(in)                      | 3.9          | 3.9          |
|                  | 4.32 | Ground clearance, centre of wheelbase                               | m2(in)                      | 4.3          | 4.3          |
|                  | 4.33 | Aisle width for pallets 1000×1200 crossways                         | Ast(in)                     | 124.4        | 124.4        |
|                  | 4.34 | Aisle width for pallets 800×1200 lengthways                         | Ast(in)                     | 132.3        | 132.3        |
|                  | 4.35 | Turning radius                                                      | Wa(in)                      | 71.7         | 71.7         |
| Performance Data | 5.1  | Travel speed, laden/unladen                                         | mph                         | 13/15        | 13/15        |
|                  | 5.2  | Lift speed, laden/unladen                                           | fpm                         | 6.3/8.3      | 6.3/8.3      |
|                  | 5.3  | lowering speed, laden/unladen                                       | fpm                         | <11.8        | <11.8        |
|                  | 5.5  | Drawbar pull, laden/unladen S <sub>2</sub> 60 min                   | blf                         | 2925         | 2925         |
|                  | 5.8  | Max.Gradient performance, laden/unladen S <sub>2</sub> 5 min        | %                           | 13/15        | 13/15        |
|                  | 5.10 | Service brake                                                       |                             | Hydraulic    | Hydraulic    |
|                  | 6.1  | Drive motor rating S <sub>2</sub> 60 min                            | hp                          | 9.1          | 9.1          |

|               |     |                                                    |       |                     |                    |
|---------------|-----|----------------------------------------------------|-------|---------------------|--------------------|
| E-Motor       | 6.2 | Lift motor rating at S <sub>3</sub> 15%            | hp    | 11.5                | 11.5               |
|               | 6.3 | Battery standard                                   |       | DIN                 | DIN                |
|               | 6.4 | Battery voltage, nominal capacity K <sub>5</sub>   | V/Ah  | 48/400 (48/450/450) | 48/450<br>(48/500) |
|               | 6.5 | Battery weight                                     | lbs   | 1529                | 1529               |
|               |     | Battery dimensions l/w/h                           | in    | 38.6/15.7/29.9      | 38.6/15.7/29.9     |
| Other Details | 8.1 | Type of drive control                              |       | AC                  | AC                 |
|               | 8.2 | Operating pressure for attachments                 | psl   | 2.5                 | 2.5                |
|               | 8.3 | Oil volume for attachments                         | gmp   | 570.6               | 570.6              |
|               | 8.4 | Sound level at driver's ear according to EN 12 053 | dB(A) | 73                  | 73                 |