

**HELI**

**4000-7000 lbs**

**H3 IC Pneumatic Tire Forklift**



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# H3 SERIES 4000-7000 lbs

## Manufacturer and technical parameters

| Characteristic      |                                               |          |                          |                          |                           |                           |
|---------------------|-----------------------------------------------|----------|--------------------------|--------------------------|---------------------------|---------------------------|
| 1.01                | Manufacturer                                  |          | <b>HELI</b>              |                          |                           |                           |
| 1.02                | Model                                         |          | CP(Q)YD20                | CP(Q)YD25                | CP(Q)YD30                 | CP(Q)YD35                 |
| 1.03                | Rated Capacity                                | lbs      | 4000                     | 5000                     | 6000                      | 7000                      |
| 1.04                | Load Center                                   | in       | 24                       | 24                       | 24                        | 24                        |
| 1.05                | Operation Type                                |          |                          |                          |                           |                           |
| Dimension Parameter |                                               |          |                          |                          |                           |                           |
| 2.01                | Max.Lifting Height(without backrest)          | in       | 118.2                    | 118.2                    | 118.2                     | 118.2                     |
| 2.02                | Overall Lowered Height                        | in       | 78.8                     | 78.8                     | 81.4                      | 85.9                      |
| 2.03                | Max.Lifting Height(with backrest)             | in       | 158.8                    | 158.8                    | 167.3                     | 166.9                     |
| 2.04                | Free Lifting Height                           | in       | 6.5                      | 6.5                      | 6.3                       | 6.7                       |
| 2.05                | Overall Height(to overhead guard)             | in       | 84.7                     | 84.7                     | 85.5                      | 85.5                      |
| 2.06                | Min.Ground Clearance(under mast)              | in       | 4.5                      | 4.5                      | 5.3                       | 5.3                       |
| 2.07                | Overhead guard clearance(from seat face)      | in       | 40.6                     | 40.6                     | 40.6                      | 40.6                      |
| 2.08                | Tow Pin Height                                | in       | 10.8                     | 10.8                     | 11                        | 11                        |
| 2.09                | Backrest Height(From the surface of the fork) | in       | 39.4                     | 39.4                     | 48.3                      | 48.1                      |
| 2.10                | Overall Length(without Forks)                 | in       | 101.7                    | 103.9                    | 108.3                     | 109                       |
| 2.11                | Wheelbase                                     | in       | 65                       | 65                       | 67                        | 67                        |
| 2.12                | Front Overhang                                | in       | 18.6                     | 18.6                     | 18.8                      | 19.5                      |
| 2.13                | Rear Overhang                                 | in       | 18                       | 20.3                     | 22.5                      | 22.5                      |
| 2.14                | Overall Width                                 | in       | 45.3                     | 45.3                     | 48.3                      | 48.3                      |
| 2.15                | Tread(Front Tread/Rear Tread)                 | in       | 38.2/38.2                | 38.2/38.2                | 39.4/38.2                 | 39.4/38.2                 |
| 2.16                | Lateral Fork Adjustment(Outside of Forks)     | in       | 40.6/9.6                 | 40.6/9.6                 | 41.8/9.9                  | 41.8/9.9                  |
| 2.17                | Min.Turning Radius Outside                    | in       | 85.5                     | 88.3                     | 94.6                      | 95.3                      |
| 2.18                | Min.Ground Clearance(wheelbase centre)        | in       | 7.1                      | 7.1                      | 7.9                       | 7.9                       |
| 2.19                | Min. Right Angle Stacking Aside Width         | in       | 86.7                     | 89.8                     | 93.8                      | 94.6                      |
| 2.20                | Mast Tilt(fwd/bwd)                            | deg      | 6/12                     | 6/12                     | 6/12                      | 6/12                      |
| 2.21                | Fork Dimensions(Length*Width*Thicknes)        | in       | 36*4.8*1.6               | 42*4.8*1.6               | 42*4.9*1.8                | 42*4.9*2.0                |
| Weights             |                                               |          |                          |                          |                           |                           |
| 3.01                | Standard Truck Weight Unload                  | lbs      | 7540                     | 8377                     | 9634                      | 10582                     |
| Wheels&Tires        |                                               |          |                          |                          |                           |                           |
| 4.01                | Wheel Number(x=driven wheel),front/rear       |          | 2X/2                     |                          |                           |                           |
| 4.02                | Tire Type,front/rear                          |          | Pneumatic Tire           |                          |                           |                           |
| 4.03                | Tire Size,front/rear                          |          | 7.00-12-12PR/6.00-9-10PR | 7.00-12-12PR/6.00-9-10PR | 28x9-15-12PR/6.50-10-10PR | 28x9-15-14PR/6.50-10-10PR |
| Drive               |                                               |          |                          |                          |                           |                           |
| 5.01                | Engine Model                                  |          | GCT K25                  |                          |                           |                           |
| 5.02                | Rated Output                                  | hp/rpm   | 50/2400                  |                          |                           |                           |
| 5.03                | Rated Torque                                  | lbft/rpm | 130/1600                 |                          |                           |                           |

## Wide view full free 3-stage mast

| Mast type | Max. lifting height<br>in | Loading capacity- loading center 24 inch |           |           |           | Mast Overall Height-fork to the ground |           |           | Free Lifting Height-with backrest |           |           | Service Weight |           |           |           | Mast tilt angle (Fwd/Bwd) deg |
|-----------|---------------------------|------------------------------------------|-----------|-----------|-----------|----------------------------------------|-----------|-----------|-----------------------------------|-----------|-----------|----------------|-----------|-----------|-----------|-------------------------------|
|           |                           | CP(Q)YD20                                | CP(Q)YD25 | CP(Q)YD30 | CP(Q)YD35 | CP(Q)YD20                              | CP(Q)YD30 | CP(Q)YD35 | CP(Q)YD20                         | CP(Q)YD30 | CP(Q)YD35 | CP(Q)YD20      | CP(Q)YD25 | CP(Q)YD30 | CP(Q)YD35 |                               |
|           |                           | lbs                                      | lbs       | lbs       | lbs       | in                                     | in        | in        | in                                | in        | in        | lbs            | lbs       | lbs       | lbs       |                               |
| ZSM360    | 142                       | 4000                                     | 5000      | 6000      | 6800      | 71                                     | 77        | 77        | 31                                | 28        | 28        | 8056           | 8890      | 9989      | 10721     | 6/6                           |
| ZSM400    | 158                       | 4000                                     | 4800      | 5900      | 6700      | 76                                     | 81        | 81        | 36                                | 33        | 33        | 8122           | 8956      | 10094     | 10786     | 6/6                           |
| ZSM435    | 171                       | *3900                                    | *4600     | *5800     | *6600     | 81                                     | 86        | 86        | 41                                | 38        | 38        | 8190           | 9028      | 10163     | 10858     | 6/6                           |
| ZSM450    | 177                       | *3800                                    | *4600     | *5700     | *6400     | 83                                     | 88        | 88        | 43                                | 40        | 40        | 8256           | 9094      | 10229     | 10924     | 6/6                           |
| ZSM470    | 185                       | *3700                                    | *4300     | *5600     | *6300     | 85                                     | 88        | 88        | 46                                | 40        | 40        | 8322           | 9160      | 10284     | 10979     | 6/6                           |
| ZSM480    | 189                       | *3700                                    | *3900     | *5500     | *6100     | 86                                     | 92        | 92        | 47                                | 44        | 44        | 8344           | 9182      | 10318     | 11012     | 6/6                           |
| ZSM500    | 197                       | *3500                                    | *4500     | *5300     | *6000     | 90                                     | 96        | 96        | 51                                | 47        | 47        | 8377           | 9215      | 10362     | 11056     | 6/6                           |
| ZSM540    | 213                       | *2800                                    | *3000     | *4500     | *5200     | 95                                     | 101       | 101       | 56                                | 52        | 52        | 8389           | 9226      | 10406     | 11078     | 3/6                           |
| ZSM600    | 236                       | *1900                                    | *2000     | *3000     | *3700     | 104                                    | 110       | 110       | 65                                | 61        | 61        | 8444           | 9281      | 10461     | 11155     | 3/6                           |
| ZSM650    | 256                       | *1400                                    | *1400     | *2100     | *2100     | 112                                    | 117       | 117       | 72                                | 71        | 73        | 8510           | 9348      | 10527     | 11221     | 3/6                           |
| ZSM700    | 276                       | *800                                     | *900      | *1500     | *2000     | 122                                    | 128       | 128       | 82                                | 81        | 84        | 8686           | 9524      | 10725     | 11420     | 3/6                           |

Note: \*stands for the rated capacity when the front tire is double-tire.

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