

# BAUMANN EHX 30 - 50

Electro Drive  
AC-Technology  
3 - 5 t Load  
Capacity



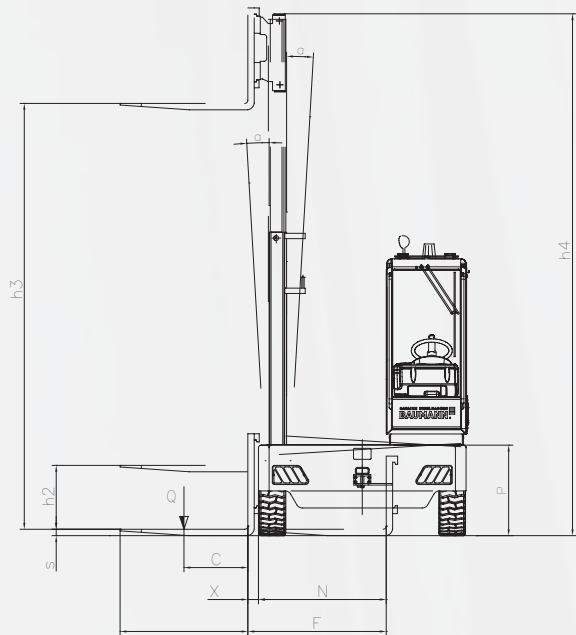
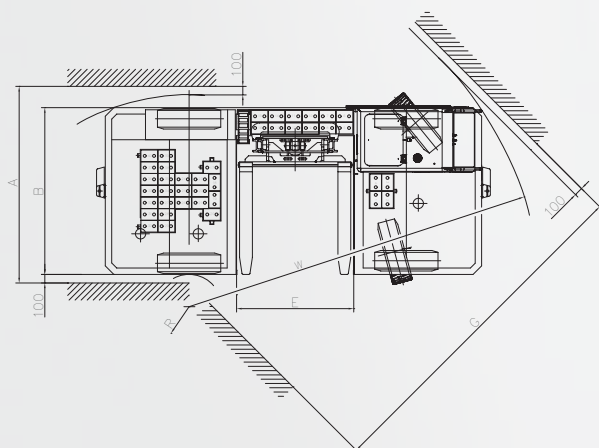
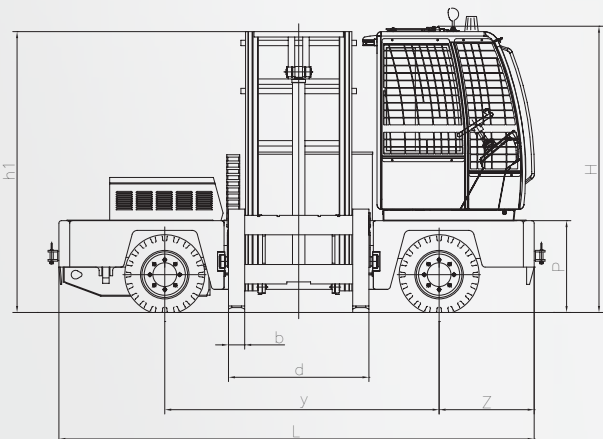
CAVAION SIDELOADERS  
**BAUMANN** 

| TYPE                         |                 | Serie EHX 30 |                           | Serie EHX 40 |            | Serie EHX 50        |                |
|------------------------------|-----------------|--------------|---------------------------|--------------|------------|---------------------|----------------|
| Technical Data               |                 |              |                           |              |            |                     |                |
| Lifting capacity             | Q               | Kg           | 3000                      | 4000         |            | 5000                |                |
| Load centre                  | C               | mm           | 600/700                   | 600/700      |            | 600/700             |                |
| Fork length                  | l               | mm           | 1200/1400                 | 1200/1400    |            | 1200/1400           |                |
| Fork width                   | b               | mm           | 150                       | 150          |            | 200                 |                |
| Fork thickness               | s               | mm           | 50                        | 50           |            | 50                  |                |
| Drive                        |                 |              | Electro                   | Electro      |            | Electro             |                |
| Type of steering             |                 |              | Hydrostatic               |              |            |                     |                |
| Type of tyres                |                 |              | Pneumatic tyres           |              |            |                     |                |
| Dimensions                   |                 |              |                           |              |            |                     |                |
| Total length                 | L               | mm           | 4100                      | 4100         |            | 4400                |                |
| Total width                  | B               | mm           | 1950/2150                 | 1950/2150    |            | 1950/2150           |                |
| Overall height mast lowered  | h1              | mm           | 2850                      | 2850         |            | 2850                |                |
| Overall height mast extended | h4              | mm           | 4880                      | 4880         |            | 4880                |                |
| Cabine height                | H               | mm           | 2450                      | 2450         |            | 2630                |                |
| Lift height                  | h3              | mm           | 4000                      | 4000         |            | 4000                |                |
| Free lift                    | h2              | mm           | 600                       | 600          |            | 600                 |                |
| Tilting up / down            |                 | °            | 1200+4.5-3.5/1400+3.5-3.0 |              |            | 1200±3.45/1400±2.83 |                |
| Platform height              | P               | mm           | 855                       | 855          |            | 880                 |                |
| Platform width               | N               | mm           | 1200/1400                 | 1200/1400    |            | 1200/1400           |                |
| Lateral movement             | F               | mm           | 1300/1500                 | 1300/1500    |            | 1300/1500           |                |
| Load spacing max.            | x               | mm           | 100                       | 100          |            | 100                 |                |
| Framework cut                | E               | mm           | 1370                      | 1370         |            | 1370                |                |
| Fork spacing max.            | d               | mm           | 1300                      | 1300         |            | 1300                |                |
| Turning radius inner         | R               | mm           | 386                       | 386          |            | 365                 |                |
| Turning radius outer         | W               | mm           | 1200=3892/1400=4016       |              |            | 1200=4156/1400=4272 |                |
| Aisle width                  | A               | mm           | 1200=2301/1400=2498       |              |            | 1200=2312/1400=2500 |                |
| Aisle width for 90° Turning  | G               | mm           | 1200=3790/1400=3913       |              |            | 1200=4069/1400=4185 |                |
| Performance                  |                 |              |                           |              |            |                     |                |
| Travel with/without load     |                 | Km/h         | 15/18                     | 15/18        |            | 15/18               |                |
| Lifting with/without load    |                 | m/s          | 0.34/0.45                 | 0.34/0.45    |            | 0.32/0.43           |                |
| Lowering with/without load   |                 | m/s          | 0.39/0.35                 | 0.39/0.35    |            | 0.38/0.34           |                |
| Traverse with/without load   |                 | m/s          | 0.28                      | 0.28         |            | 0.25                |                |
| Tractive power               |                 | kN           | 17                        | 17           |            | 22                  |                |
| Gradeability                 |                 | %            | 15                        | 14           |            | 15                  |                |
| Weights                      |                 |              |                           |              |            |                     |                |
| Weight of truck              |                 | Kg           | 6500                      | 7500         |            | 8500                |                |
| Axle load front              |                 | Kg           | 4600                      | 5500         |            | 6500                |                |
| Axle load rear               |                 | Kg           | 4950                      | 6000         |            | 7050                |                |
| Chassis                      |                 |              |                           |              |            |                     |                |
| Tyres front / rear           |                 |              | 2/2                       | 2/2          |            | 2/2                 |                |
| Tyres size front / rear      |                 | Inch         | 27 x 10-12                | 27 x 10-12   |            | 250-15              |                |
| Tyres outside diameter       |                 | mm           | 690                       | 690          |            | 735                 |                |
| Wheel base                   | Y               | mm           | 2520                      | 2520         |            | 2540                |                |
| Track front                  | Sp1             | mm           | 1200=1615/1400=1815       |              |            | 1200=1625/1400=1825 |                |
| Track rear                   | Sp2             | mm           | 1200=1635/1400=1835       |              |            | 1200=1645/1400=1845 |                |
| Ground clearance             | below rear axle | mm           | 120                       | 120          |            | 120                 |                |
|                              | below mast      | mm           | 200                       | 200          |            | 200                 |                |
| Service brake                | hydraulic       |              | Front                     |              |            |                     |                |
| Parking brake                | hydraulic       |              | Drive Wheels              |              |            |                     |                |
| Drive                        |                 |              |                           |              |            |                     |                |
| Battery type                 | EPZS            | 80V          | 6EPzS                     | 7EPzS        | 6EPzS      | 7EPzS               | 7EPzS          |
| Battery capacity             |                 | A            | 690                       | 805          | 690        | 805                 | 875            |
| Drive motor                  | Number          |              | 2 x 7.5 kW                |              | 2 x 7.5 kW |                     | 2 x 10 kW      |
| Gear changing                | Switch          | Hand         | Hand                      |              | Hand       |                     | Hand           |
| Gear levels                  | Fw / Rv         |              | Direct                    |              |            |                     |                |
| Controller                   | Mosfet          | Inverter     | AC                        |              | AC         |                     | AC             |
| Lift motor                   |                 |              | 17 kW                     |              | 17 kW      |                     | 22 kW S2 30min |

# BAUMANN EHX 30 - 50

No emission, very low noise, an environmentfriendly alternative.  
Performance as a dieseltruck at less service costs.

| <b>EHX 30 - 50</b>                       | <b>Lift height h3 mm</b> | <b>Lowered h1 mm</b> | <b>Extended h4 mm</b> | <b>Free lift h2 mm</b> |
|------------------------------------------|--------------------------|----------------------|-----------------------|------------------------|
| <b>Duplex-standardmast ST</b>            | 3300                     | 2500                 | 4180                  | 600                    |
|                                          | 4000                     | 2850                 | 4880                  | 600                    |
|                                          | 4500                     | 3100                 | 5380                  | 600                    |
|                                          | 5000                     | 3350                 | 5880                  | 600                    |
|                                          | 5500                     | 3600                 | 6380                  | 600                    |
|                                          | 6000                     | 3850                 | 6880                  | 600                    |
| <b>Duplex-special free lift mast SFH</b> | 3300                     | 2500                 | 4180                  | 1620                   |
|                                          | 4000                     | 2850                 | 4880                  | 1970                   |
|                                          | 4500                     | 3100                 | 5380                  | 2220                   |
|                                          | 5000                     | 3350                 | 5880                  | 2470                   |
|                                          | 5500                     | 3600                 | 6380                  | 2720                   |
|                                          | 6000                     | 3850                 | 6880                  | 2970                   |
| <b>Triplex-free lift mast TR</b>         | 4500                     | 2350                 | 5380                  | 1470                   |
|                                          | 5100                     | 2550                 | 5980                  | 1670                   |
|                                          | 5400                     | 2650                 | 6280                  | 1770                   |
|                                          | 5700                     | 2750                 | 6580                  | 1870                   |
|                                          | 6000                     | 2850                 | 6880                  | 1970                   |
|                                          | 6300                     | 2950                 | 7180                  | 2070                   |
|                                          | 6600                     | 3050                 | 7480                  | 2170                   |
|                                          | 6900                     | 3150                 | 7780                  | 2270                   |
|                                          | 7200                     | 3250                 | 8080                  | 2370                   |



## BAUMANN SIDELOADERS

### THE ORIGINAL SIDELOADER FROM CAVAION

For over 40 years, the BAUMANN name has been synonymous with production of high quality, high specification sideloaders. The Company adopts a policy of continuous improvement and embraces new technology as and when it comes available to the benefit of our customers and distribution partners. The extended BAUMANN network



of distributors and service partners have been specifically selected for their professionalism and adoption of the consultative approach taken centrally by the BAUMANN Company.



CAVAION SIDELOADERS  
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