

# VL ST VVE 15

1.5 Ton Electric Stacker with capacity of 1500kg @600mm Load Center

Side extraction as Standard



## Why Buy Me?

- ✓ Compact design for negotiating narrow aisles
- ✓ Five point wheel configuration with spring suspension for positive traction, grip stability
- ✓ Regenerative braking for power saving
- ✓ Intelligent microprocessor based MOSFET controller of Curtis make
- ✓ Coil protected hydraulics for additional safety and increased performance
- ✓ Anti Roll back on gradient, Side stabilizer, Safety interlock for lifting after FFH, Sturdy platform

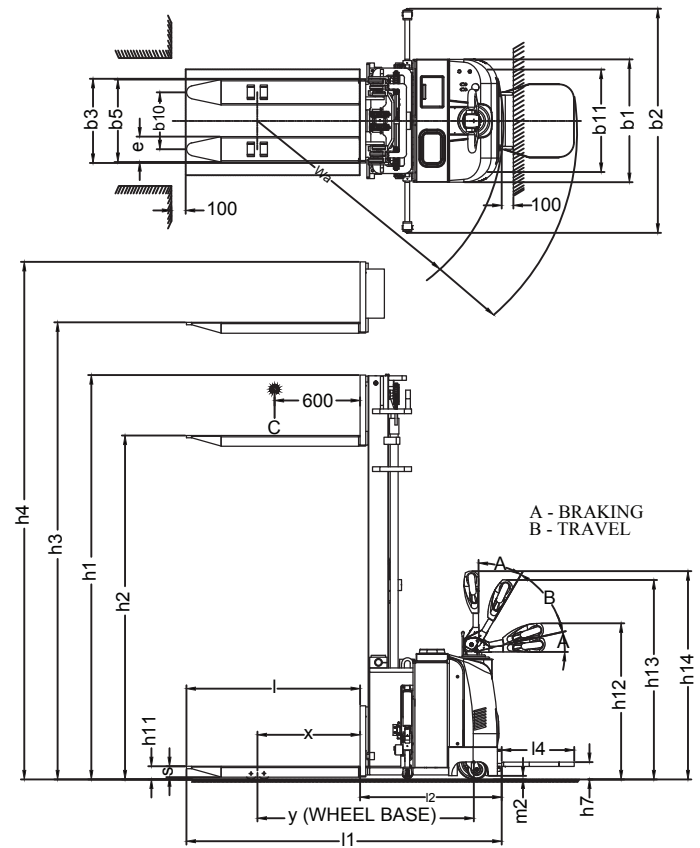
### Attachments



# TECHNICAL SPECIFICATION



|                 |      |                                                       |          |                           |
|-----------------|------|-------------------------------------------------------|----------|---------------------------|
| Characteristics | 1.1  | Manufacturer                                          |          | KION India                |
|                 | 1.2  | Model Designation                                     |          | VL ST (VVE) 15            |
|                 | 1.3  | Power unit: battery, diesel                           |          | BATTERY                   |
| Weight          | 1.4  | Operation: manual, stand-on, seated                   |          | STANDING                  |
|                 | 1.5  | Load Capacity                                         | Q (kg)   | 1500                      |
|                 | 1.6  | Load center                                           | C (mm)   | 600                       |
| Wheels & types  | 1.7  | Back of fork to Load wheel center                     | X (mm)   | 709                       |
|                 | 1.8  | Wheelbase                                             | y (mm)   | 1490                      |
|                 | 2.1  | Service weight incl. battery (HVT 6.5m mast)          | kg       | 1600                      |
| Dimensions      | 3.1  | Tyre: solid, pneumatic, polyurethane                  |          | POLYURETHENE              |
|                 | 3.2  | Tyre size, front (Load Wheel)                         | mm       | Ø82 X 75                  |
|                 | 3.3  | Tyre size, rear (Caster Wheel)/(Drive wheel)          | mm       | (Ø135 X 60)/(Ø230 X 75)   |
| Performance     | 3.4  | Tyre size, side wheel - stabilizer                    | mm       | (Ø70 X 25)                |
|                 | 3.5  | Wheels, number front & rear & side (X=drive)          | mm       | 4 & 2 & 2 / 1x            |
|                 | 3.6  | Track width, front - 570 / 685 wof                    | b10 mm   | 394 / 509                 |
| Others          | 3.7  | Track width, rear 850 wide chassis                    | b11 mm   | 658                       |
|                 | 4.1  | Mast height, lowered                                  | h1 mm    | Refer table               |
|                 | 4.2  | Freelift                                              | h2 mm    | Refer table               |
| Drive           | 4.3  | Lift                                                  | h3 mm    | Refer table               |
|                 | 4.4  | Mast height, extended                                 | h4 mm    | Refer table               |
|                 | 4.5  | Overall length platform open / close                  | l1 mm    | 2680 / 2180               |
| Performance     | 4.6  | Width of across fork                                  | b5 mm    | 570 / 685                 |
|                 | 4.7  | Length to fork face platform closed / open            | l2 mm    | 990 / 1480                |
|                 | 4.8  | Overall width                                         | b1mm     | 850                       |
| Others          | 4.9  | Overall width - side stabilizer open / close          | b2 mm    | * 1530 / 850              |
|                 | 4.10 | Fork dimensions                                       | s/e/l mm | 75x176x1200               |
|                 | 4.11 | Width of fork carriage 570 / 685                      | b3 mm    | 582 / 697                 |
| Performance     | 4.12 | Platform height                                       | h7 mm    | 150                       |
|                 | 4.13 | Platform length                                       | l4 mm    | 500                       |
|                 | 4.14 | Height of fork lowered                                | h11 mm   | 85                        |
| Drive           | 4.15 | Tiller handle height                                  | h14 mm   | 1470                      |
|                 | 4.16 | Tiller handle height min.                             | h12 mm   | 1100                      |
|                 | 4.17 | Tiller handle height max.                             | h13 mm   | 1360                      |
| Performance     | 4.18 | Ground clearance, at frame                            | m2 mm    | 30                        |
|                 | 4.19 | Aisle width pallet 1000x1200 across fork platform C/O | Ast mm   | 2550 / 3020               |
|                 | 4.20 | Aisle width pallet 800x1200 along fork platform C/O   | Ast mm   | 2510 / 2990               |
| Others          | 4.21 | Turning radius (platform closed / open)               | Wa mm    | 1750 / 2250               |
|                 | 5.1  | Travel speed, with/without load AC                    | km/hr    | 6 / 6                     |
|                 | 5.2  | Lifting speed, with/without load                      | m/s      | 0.11 / 0.16               |
| Performance     | 5.3  | Lowering speed, with/without load for HVT             | m/s      | 0.25 / 0.11               |
|                 | 5.4  | Lowering speed, with/without load for HVM             | m/s      | 0.17 / 0.13               |
|                 | 5.5  | Gradability with/without load                         | %        | 8 / 10                    |
| Drive           | 5.6  | Service brake                                         |          | ELECTROMAGNETIC           |
|                 | 5.7  | Steering                                              |          | MECHANICAL                |
|                 | 6.1  | Motor type                                            |          | AC                        |
| Performance     | 6.2  | Motor performance AC                                  | Kw       | 1.5, S2 60 minutes rating |
|                 | 6.3  | Lift Motor rating                                     | Kw       | 3 KW, S3 11% rating       |
|                 | 6.4  | Battery Voltage/ rated capacity                       | v/Ah     | 24/345                    |
| Others          | 6.5  | Battery weight                                        | KG.      | 300                       |
|                 | 6.6  | Transmission make/model                               |          | PROPRIETARY               |
|                 | 6.7  | Transmission Type                                     |          | REDUCTION G/B             |
| Performance     | 6.8  | Transmission Ratio                                    |          | 1:32                      |
|                 | 7.1  | Hydraulic pump type                                   |          | Gear pump                 |
|                 | 7.2  | Hydraulic pump displacement                           | cc/rev   | 3.20                      |
| Others          | 7.3  | Control valve type                                    |          | DIRECTION CONTROL         |
|                 | 7.4  | Control valve flow                                    | lpm      | 45                        |
|                 | 7.5  | Working pressure for attachment                       | bar      | 160                       |
| Performance     | 7.6  | Noise level at operators ear to EN 12053              | dB(A)    | < 75                      |



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| MAX. FORK<br>LIFT<br>HEIGHT -<br>(h3) mm | HEIGHT OF MAST<br>LOWERED -<br>(CLOSE OAH) -<br>(h1) mm | HEIGHT OF MAST<br>EXTENDED -<br>(OPEN OAH) -<br>(h4) mm | FREE<br>LIFT<br>(h2) mm | CAPACITY AT 600mm L.C. - Kg.<br>(Q) |                                |
|------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------|-------------------------------------|--------------------------------|
|                                          |                                                         |                                                         |                         | VLST (VVE)<br>1.5 T WITH SS         | VLST (VVE) 1.5 T<br>WITHOUT SS |
| HVT 6500                                 | 2800                                                    | 6930                                                    | 2300                    | 500                                 | NA                             |
| HVT 5400                                 | 2450                                                    | 5870                                                    | 1920                    | 750                                 | NA                             |
| HVT 4500                                 | 2150                                                    | 4970                                                    | 1640                    | 1000                                | NA                             |
| HVM 3650                                 | 2425                                                    | 4200                                                    | NA                      | NA                                  | 1150                           |
| HVM 3150                                 | 2180                                                    | 3700                                                    | NA                      | NA                                  | 1300                           |
| HVM 2750                                 | 1990                                                    | 3300                                                    | NA                      | NA                                  | 1500                           |



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F. MCT: KIPL 302-304-00

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