

Technical sheet :

# 80 VJR

OXYGEN  
by MANITOU



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HANDLING YOUR WORLD

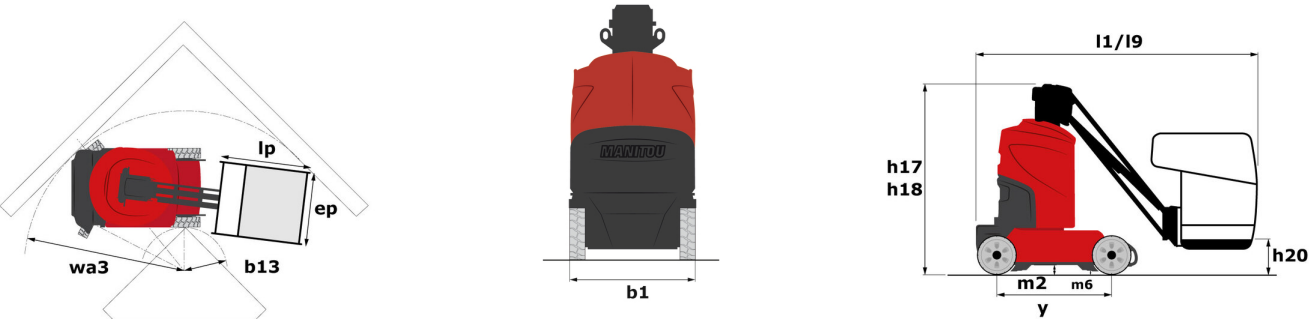
| Capacities                                            |         | Metric                                                                                                                              |
|-------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|
| Working height                                        | h21     | 7.65 m                                                                                                                              |
| Platform height                                       | h7      | 5.65 m                                                                                                                              |
| Maximum outreach                                      |         | 3.20 m                                                                                                                              |
| Overhang                                              |         | 4.12 m                                                                                                                              |
| Pendular arm rotation (top / bottom)                  |         | +62 ° / 51 °                                                                                                                        |
| Platform capacity                                     | Q       | 200 kg                                                                                                                              |
| Turret rotation                                       |         | 350 °                                                                                                                               |
| Number of people (indoor / outdoor)                   |         | 2 / 1                                                                                                                               |
| Weight and dimensions                                 |         |                                                                                                                                     |
| Platform weight*                                      |         | 2410 kg                                                                                                                             |
| Platform dimensions (length x width)                  | lp / ep | 1.19 m x 0.93 m                                                                                                                     |
| Floor height (access)                                 | h20     | 0.41 m                                                                                                                              |
| Overall length                                        | l1      | 2.90 m                                                                                                                              |
| Overall width                                         | b1      | 0.99 m                                                                                                                              |
| Overall height                                        | h17     | 1.99 m                                                                                                                              |
| Jib length                                            | l13     | 1.61 m                                                                                                                              |
| Counterweight offset (turret at 90°)                  | a7      | 0.09 m                                                                                                                              |
| External turning radius                               | Wa3     | 2.10 m                                                                                                                              |
| Ground clearance under pothole protection             | m6      | 0.03 m                                                                                                                              |
| Ground clearance at centre of wheelbase               | m2      | 0.09 m                                                                                                                              |
| Wheelbase                                             | y       | 1.20 m                                                                                                                              |
| Performances                                          |         |                                                                                                                                     |
| Drive speed - stowed                                  |         | 4.50 km/h                                                                                                                           |
| Drive speed - raised                                  |         | 0.65 km/h                                                                                                                           |
| Gradeability                                          |         | 25 %                                                                                                                                |
| Permissible leveling                                  |         | 2 °                                                                                                                                 |
| Wheels                                                |         |                                                                                                                                     |
| Tires type                                            |         | Non marking                                                                                                                         |
| Standard tires                                        |         | 16.5-11 1/4 / 406 x 127 mm                                                                                                          |
| Drive wheels (front / rear)                           |         | 0 / 2                                                                                                                               |
| Steering wheels (front / rear)                        |         | 2 / 0                                                                                                                               |
| Braking wheels (front / rear)                         |         | 0 / 2                                                                                                                               |
| Engine/Battery                                        |         |                                                                                                                                     |
| Electric engine power rating                          |         | 2 x 0.77 kW                                                                                                                         |
| Lift motor power                                      |         | 3 kW                                                                                                                                |
| Number of hydraulic pump / Capacity of hydraulic pump |         | 2 x 3.75 cm³                                                                                                                        |
| Battery voltage                                       |         | 24 V                                                                                                                                |
| Battery capacity                                      |         | 250 Ah                                                                                                                              |
| On-board charger (V / A)                              |         | 24 V / 30 A                                                                                                                         |
| Miscellaneous                                         |         |                                                                                                                                     |
| Number of cycles with STD Battery (HIRD)              |         | 32                                                                                                                                  |
| Ground Pressure                                       |         | 11.10 dan/cm2                                                                                                                       |
| Hydraulic Pressure                                    |         | 140 bar                                                                                                                             |
| Hydraulic tank capacity                               |         | 22 l                                                                                                                                |
| Noise to environment (LwA)                            |         | < 70 dB                                                                                                                             |
| Vibration on hands/arms                               |         | < 0.50 m/s²                                                                                                                         |
| Standards compliance                                  |         |                                                                                                                                     |
| This machine is in compliance with:                   |         | European directives: 2006/42/EC- Machinery (revised EN280-1:2022) - 2004/108/EC (EMC) - EMC according to EN 12895 / 2015 +A1 / 2019 |

\*Varies according to options and standards of the country to which the machine is delivered

80 VJR - Load chart



80 VJR - Dimensional drawing



# Equipment

| Standard                                                                    |
|-----------------------------------------------------------------------------|
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| CAN bus technology                                                          |
| Easy Link with 2 year Service                                               |
| Emergency stop button in platform and on frame                              |
| Fixed pothole protection                                                    |
| Fork pockets                                                                |
| Hom in the platform                                                         |
| Manual emergency lowering                                                   |
| Multi-function smartview display                                            |
| Multi-voltage integrated charger                                            |
| Negative-type braking on rear wheels                                        |
| Non-marking rubber tyres                                                    |
| Pendular arm                                                                |
| Proportional controls                                                       |
| Secondary Protection System (SPS)                                           |
| Sliding and securing rings                                                  |
| Tool box in platform                                                        |
| Traction battery                                                            |
| Travel possible at maximum height                                           |
| lace floor basket                                                           |
|                                                                             |
| Optional                                                                    |
| 110 or 230V plug with differential circuit breaker                          |
| Audio warning on all motion                                                 |
| Audio warning on descent                                                    |
| Audio warning on movement                                                   |
| Biodegradable hydraulic oil - Grade 32                                      |
| Centralized filling of the battery                                          |
| Cold weather protection oil                                                 |
| Easy Link - With access control keypad                                      |
| Easy link with remote lock                                                  |
| LED amber strobe light on the basket                                        |
| LED strobe light on the turret                                              |
| Maintenance-free battery                                                    |
| Personalized paintwork                                                      |
| Pre fitting electric supply IP65                                            |
| Protective cover for control panel                                          |
| Safety harness reminder indicator                                           |
| Safety kit - Harness + helmet                                               |
| Turret orientation information                                              |
| Working light (x1) on basket                                                |



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