

Technical sheet :

# 280 TJ-X

---



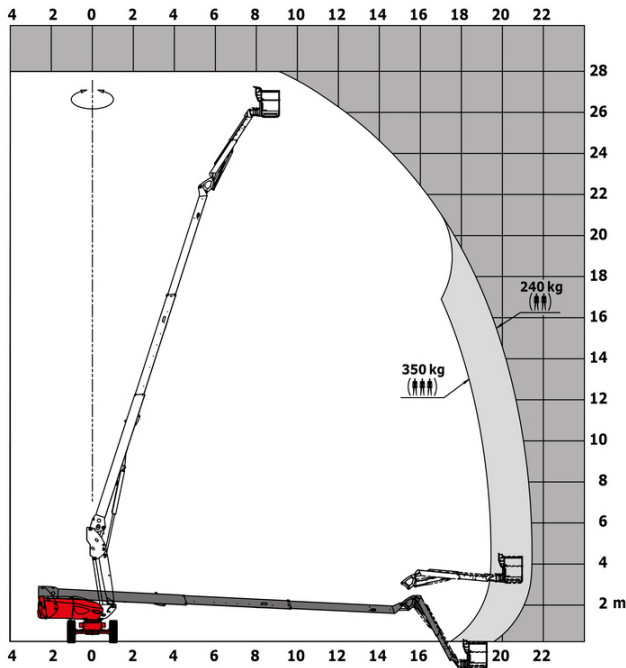
 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                              |         | Metric  |
|---|---------|---|
| Working height                          | h21     | 27.73 m   |
| Platform height                         | h7      | 25.73 m   |
| Maximum outreach                        |         | 21.45 m   |
| Pendular arm rotation (top / bottom)    |         | +56.80 ° / -62 °  |
| Platform capacity / capacity (maximum)  | Q       | 240 kg / 350 kg   |
| Turret rotation                         |         | 360 °   |
| Platform rotation (right / left)        |         | 90 ° / 90 °   |
| Number of people (indoor / outdoor)     |         | 2 / 3   |
| Weight and dimensions                   |         |   |
| Platform weight*                        |         | 16650 kg  |
| Platform dimensions (length x width)    | lp / ep | 2.30 m x 0.90 m   |
| Floor height (access)                   | h20     | 0.48 m  |
| Overall length                          | l1      | 11.36 m   |
| Overall width                           | b1      | 2.48 m  |
| Overall height                          | h17     | 2.73 m  |
| Overall length (stowed)                 | l9      | 8.09 m  |
| Overall height (stowed)                 | h18 *** | 2.71 m  |
| Overall length with platform extension  | l15     | 11.35 m   |
| Counterweight Oversize / Reach          |         | 1.45 m  |
| Ground clearance at centre of wheelbase | m2      | 0.41 m  |
| Wheelbase                               | y       | 2.80 m  |
| Performances                            |         |   |
| Drive speed - stowed                    |         | 4.50 km/h   |
| Drive speed - raised                    |         | 0.80 km/h   |
| Gradeability                            |         | 34 %  |
| Permissible leveling                    |         | 4 °   |
| Wheels                                  |         |   |
| Drive wheels (front / rear)             |         | 2 / 2   |
| Braking wheels (front / rear)           |         | 2 / 2   |
| Engine/Battery                          |         |   |
| Engine brand / model                    |         | Kubota - V2403-M  |
| Engine norm                             |         | Tier 4  |
| I.C. Engine power rating / Power        |         | 46 Hp / 34.10 kW  |
| Miscellaneous                           |         |   |
| Ground Pressure                         |         | 22.25 dan/cm2   |
| Hydraulic Pressure                      |         | 250 bar   |
| Fuel tank                               |         | 72 l  |
| Vibration on hands/arms                 |         | < 0.50 m/s²   |
| Daily consumption **                    |         | 10.81 l   |
| Standards compliance                    |         |   |
| This machine is in compliance with:     |         | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) |

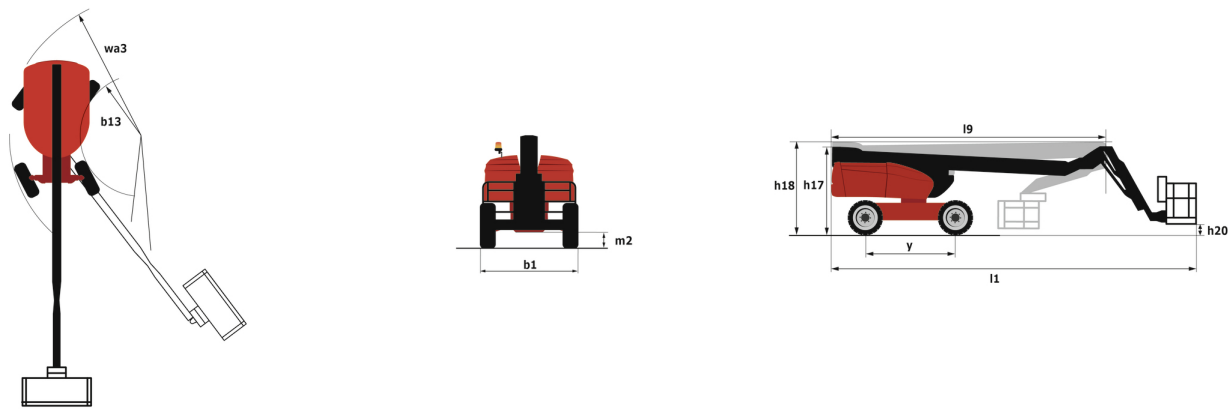
\*Varies according to options and standards of the country to which the machine is delivered  
\*\* According to "REDUCE cycle"

280 TJ-X - Load chart

Load Chart for MEWP Metric



280 TJ-X - Dimensional drawing



Equipment

| Standard  |
|---|
| 20" tyres   |
| 230V Predisposition   |
| 4 simultaneous movements  |
| 4 wheel drive   |
| 4 wheel steer with crab mode  |
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| Backup electrical pump  |
| CAN bus technology  |
| Continuous turret rotation  |
| Dead man pedal  |
| Differential locking on rear axle   |
| Electronic platform compensation  |
| Emergency stop button in platform and on frame                              |
| Engine on swivel chair  |
| Front axle with limited slip  |
| Fuel gauge with low level indicator   |
| Horn in the platform  |
| Integrated diagnostic assistance  |
| Oscillating front axle  |
| Painted basket for heavy loads 2,300 mm (7ft 7 in.)                         |
| Optional  |
| 110 or 230V plug with differential circuit breaker                          |
| Additional storage boxes  |
| Basket 1,800 mm   |
| Biodegradable oil   |
| Catalytic cleaner   |
| Coded anti-start  |
| Cold weather protection oil   |
| Engine compartment with key lock  |
| High capacity starting battery  |
| Lockable fuel cap   |
| Non-marking tyres   |
| On-board generator (3,5 or 5 kW)  |
| Refinery kit  |
| SMS : Safe Man System   |
| Safety harness  |
| Screen protection on the lower box control                                  |
| Water predisposition  |



**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes