Technical sheet :

# 220 TJ+



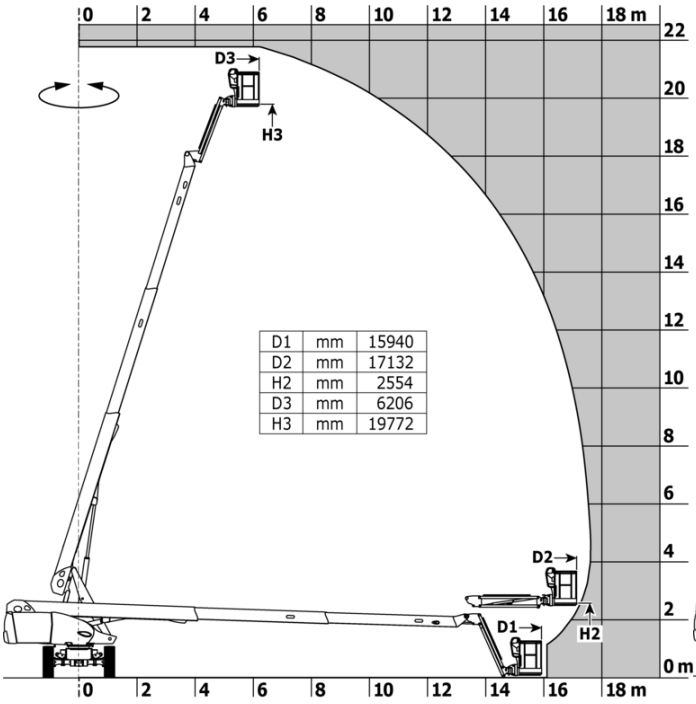

MANITOU
HANDLING YOUR WORLD

| Capacities | | Metric | Imperial |
|---|---|---|---|
| Working height | h21 | 21.74 m | 71 ft 4 in |
| Floor height (access) | h20 | 0.39 m | 1 ft 3 in |
| Platform height | h7 | 19.74 m | 64 ft 9 in |
| Max. outreach | | 17.79 m | 58 ft 4 in |
| Pendular arm rotation (top / bottom) | | +70 ° / -63 ° | +70 ° / -63 ° |
| Platform capacity | Q | 408 kg | 899 lb |
| Turret rotation | | 360 ° | 360 ° |
| Platform rotation (right / left) | | 90 ° / 90 ° | 90 ° / 90 ° |
| Number of people (indoor / outdoor) | | 3 / 3 | 3 / 3 |
| **Weight and dimensions** | | | |
| Platform weight* | | 13600 kg | 29983 lb |
| Platform dimensions (length x width) | lp / ep | 2.30 m x 0.90 m | 7 ft 7 in x 2 ft 11 in |
| Overall length | l1 | 10.06 m | 33 ft |
| Overall width | b1 | 2.48 m | 8 ft 2 in |
| Overall height | h17 | 2.66 m | 8 ft 9 in |
| Overall length (stowed) | l9 | 7.35 m | 24 ft 1 in |
| Overall height (stowed) | h18 | 3.03 m | 9 ft 11 in |
| Jib length | l13 | 2 m | 6 ft 7 in |
| Counterweight offset (turret at 90°) | a7 | 1.34 m | 4 ft 5 in |
| Counterweight Oversize / Reach | | 1.35 m | 4 ft 5 in |
| Internal turning radius (over tyres) | b13 | 2 m | 6 ft 7 in |
| External turning radius | Wa3 | 4.40 m | 14 ft 5 in |
| Ground clearance at centre of wheelbase | m2 | 0.44 m | 1 ft 5 in |
| Wheelbase | y | 2.80 m | 9 ft 2 in |
| **Performances** | | | |
| Drive speed - stowed | | 4.90 km/h | 3 mph |
| Drive speed - raised | | 1 km/h | 0.62 mph |
| Gradeability | | 40 % | 40 % |
| Permissible leveling | | 4 ° | 4 ° |
| **Wheels** | | | |
| Tires type | | Solid Tires Cured-On | Solid Tires Cured-On |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Braking wheels (front / rear) | | 2 / 2 | 2 / 2 |
| **Engine/Battery** | | | |
| Engine brand / model | | Yanmar - 3TNV88C | Yanmar - 3TNV88C |
| Engine norm | | Stage V | Stage V |
| I.C. Engine power rating / Power | | 36.20 Hp / 27.50 kW | 36.20 Hp / 27.50 kW |
| **Miscellaneous** | | | |
| Ground Pressure | | 18.20 dan/cm2 | 264 PSI |
| Hydraulic Pressure | | 400 bar | 5802 PSI |
| Hydraulic tank capacity | | 94 l | 25 US gal |
| Fuel tank | | 72 l | 19 US gal |
| Noise to environment (LwA) | | < 106 dB | < 106 dB |
| **Standards compliance** | | | |
| This machine is in compliance with: | | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) |

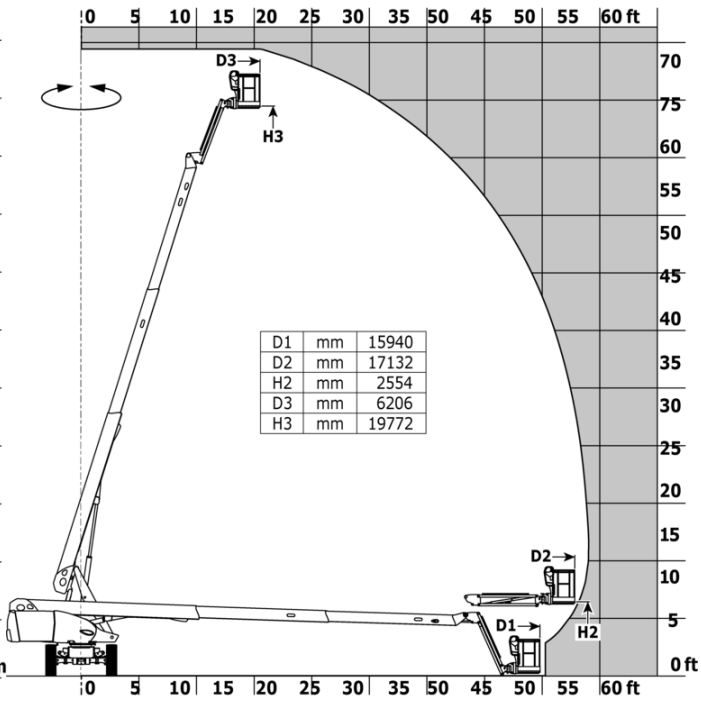
*Varies according to options and standards of the country to which the machine is delivered

# 220 TJ+ - Load chart

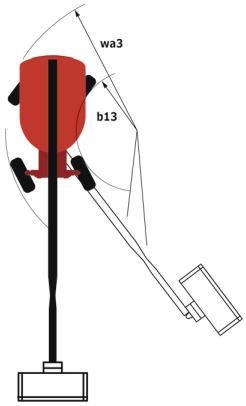
## Load Chart for MEWP Metric

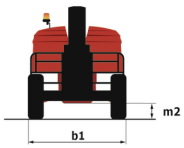


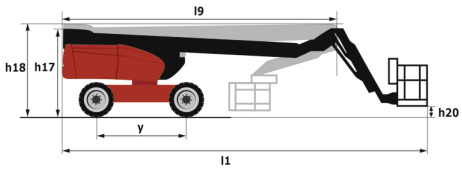

## Load Chart for MEWP (Imperial)




# 220 TJ+ - Dimensional drawing



# Equipment

| Standard |
| --- |
| 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 |
| Basket 2,300 mm |
| Connected machine |
| Continuous turret rotation |
| Differential locking on rear axle |
| Easy fast slinging system |
| Electronic platform compensation |
| Emergency stop button in platform and on frame |
| Engine mounted on sliding platform |
| Engine with DPF |
| Front axle with limited slip |
| Fuel gauge with low level indicator |
| Hour meter |
| Integrated diagnostic assistance |
| LED rotating beacon |
| LS pump |
| Large color screen on turret |
| Leveling unlocking |
| Oscillating front axle |
| Protective cover for control panel |
| Remote control for transport |
| Stop & Go system |
| Turret orientation information |

| Optional |
| --- |
| 110 or 230V plug with differential circuit breaker |
| Additional storage boxes |
| Basket 2,300 mm |
| Battery blanket |
| Battery cut-off |
| Biodegradable oil |
| Engine Block Heater |
| Hydraulic oil heater |
| Key lock on fuel tank |
| Key lock on turret cover |
| Narrow basket 1.80m |
| Non marking solid tyres |
| On-board generator (3,5 or 5 kW) |
| Panel cradle |
| Pipe cradle |
| Safety kit - Harness + helmet |
| Safety valve |
| Screen protection on the lower box control |
| Secondary Protection System (SPS) |
| Socket 230 V + differential circuit breaker |
| Spark arrester |
| Special color paints |
| Water predisposition |
| Working light |

**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



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