



# 4.18



#### MAIN SECTORS



INDUSTRY

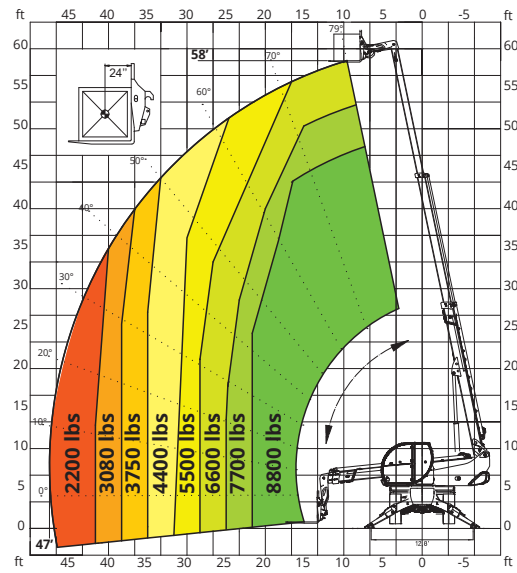


CONSTRUCTION

Maximum lifting height: 58'  
Maximum reach: 47'  
Electronically controlled  
hydrostatic transmission  
Automatic leveling device  
Pivoting stabilizers

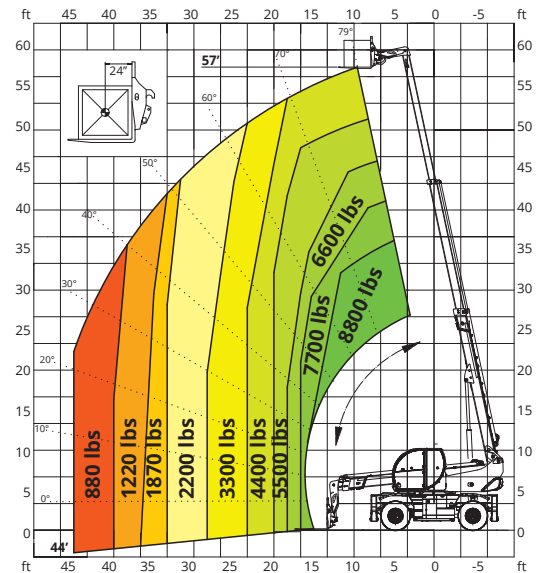
# ON STABILIZERS

## 360° LOAD CHART ON FULLY EXTENDED STABILIZERS



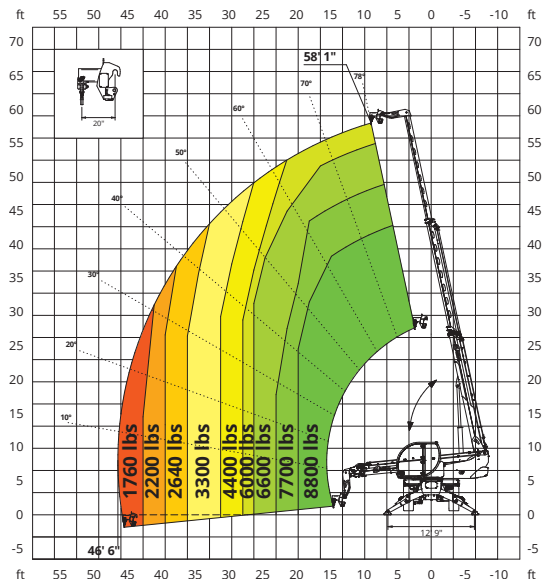
# ON TIRES

## FRONT LOAD CHART ON TIRES



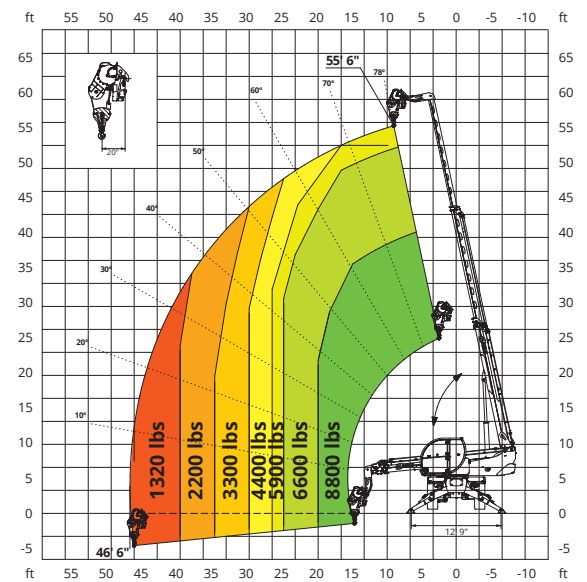
# H 4

## HOOK 8,800 lbs



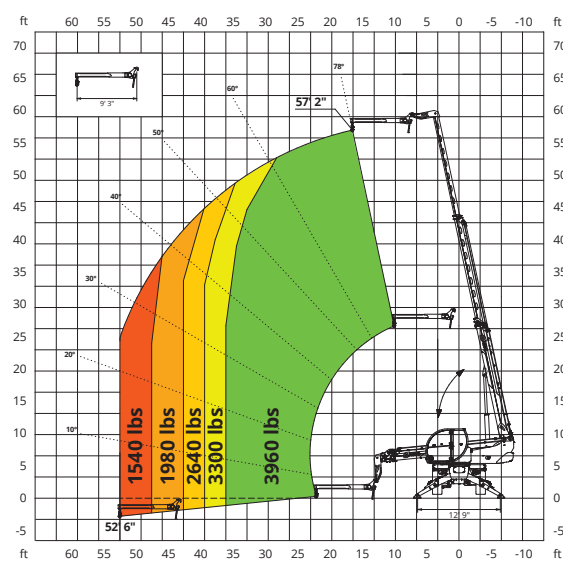
# W 4

## WINCH 8,800 lbs



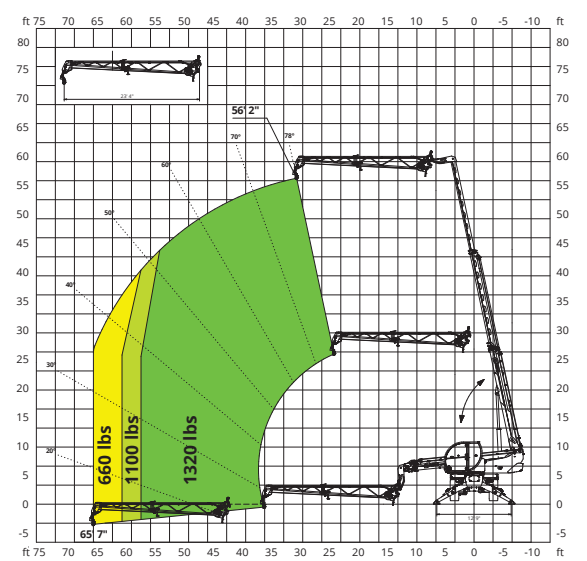
# J 1800

## JIB 3,960 lbs



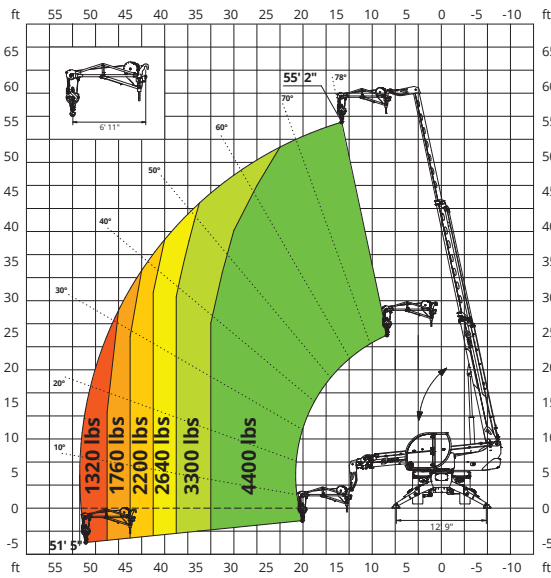
# JW 600

## JIB WINCH 1,320 lbs



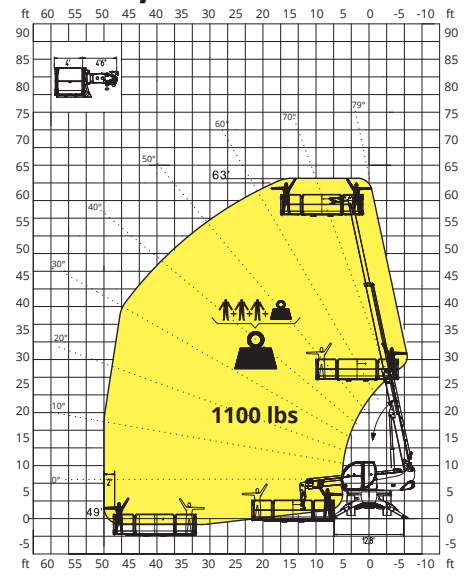
# JW 2000

## JIB WINCH **4,400 lbs**



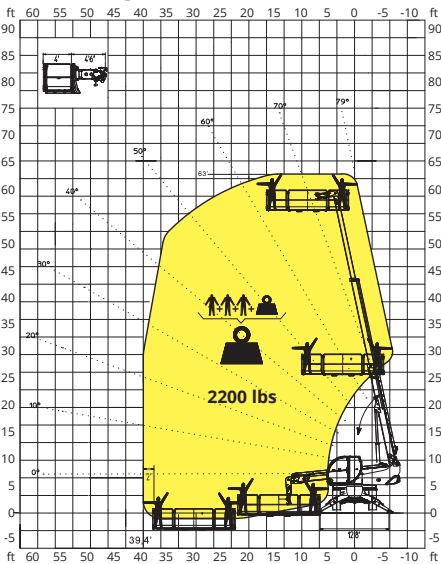
# REP 2-4,5

## ROTATING EXTENDABLE BASKET **1,100 lbs**



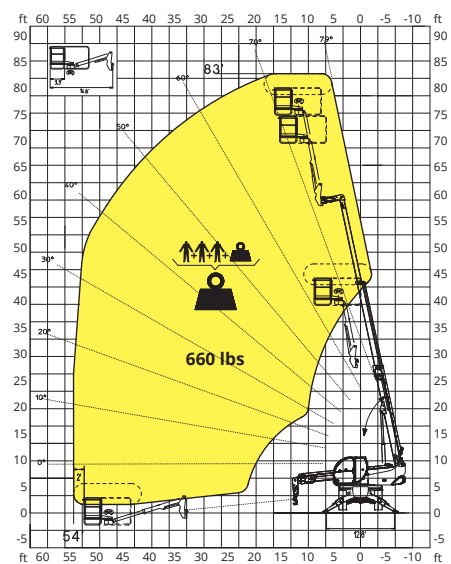
# REP 10.2-4,7

## ROTATING EXTENDABLE BASKET **2,200 lbs**



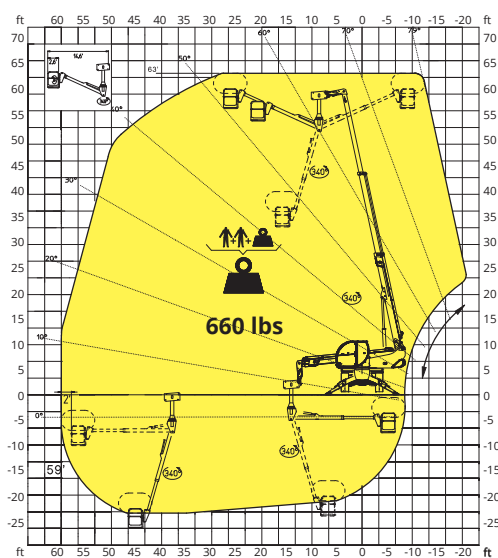
# TP

## TELESCOPIC PIVOTING BASKET WITH 180° ROTATION



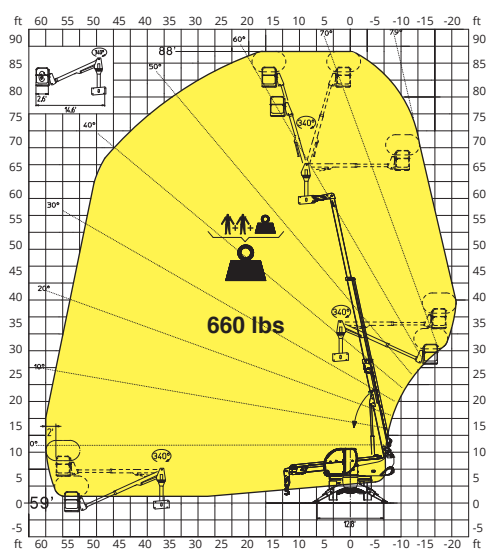
# TP O-U

## TELESCOPIC PIVOTING OVER-UNDER BASKET WITH 340° ROTATION



# TP O-U

## TELESCOPIC PIVOTING OVER-UNDER BASKET WITH 340° ROTATION



|                                 |                                                                                                                                                                                                                                                               |                                                                                      |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| MACHINE MODEL                   | Rotating telescopic handler                                                                                                                                                                                                                                   | RTH 4.18                                                                             |
|                                 | Maximum lifting capacity                                                                                                                                                                                                                                      | 8,800 lbs (center of gravity 24 in)                                                  |
|                                 | Maximum lifting height                                                                                                                                                                                                                                        | 58'                                                                                  |
|                                 | Rotation                                                                                                                                                                                                                                                      | 400° (limited)                                                                       |
| ENGINE                          | Type                                                                                                                                                                                                                                                          | <b>Deutz TCD 3,6 L4<br/>Tier 4f</b>                                                  |
|                                 | Rated power                                                                                                                                                                                                                                                   | 55 kW (75 HP) @ 2,200 rpm                                                            |
|                                 | Maximum torque                                                                                                                                                                                                                                                | 390 Nm @ 1,300 rpm                                                                   |
|                                 | Displacement                                                                                                                                                                                                                                                  | 0.95 US gal                                                                          |
|                                 | Cylinders                                                                                                                                                                                                                                                     | 4 in line                                                                            |
|                                 | Engine configuration                                                                                                                                                                                                                                          | Turbocharged direct injection diesel                                                 |
| TRANSMISSION                    | Cooling system                                                                                                                                                                                                                                                | Water - intercooler                                                                  |
|                                 | Type                                                                                                                                                                                                                                                          | Hydrostatic                                                                          |
|                                 | Model                                                                                                                                                                                                                                                         | Rexroth                                                                              |
|                                 | Maximum pressure                                                                                                                                                                                                                                              | 500 bar                                                                              |
|                                 | Displacements                                                                                                                                                                                                                                                 | Hydraulic control variable displacement pump and motor                               |
|                                 | Gear box                                                                                                                                                                                                                                                      | Dropbox, 2 speeds forward-reverse                                                    |
| AXLES AND BRAKES                | Type                                                                                                                                                                                                                                                          | Axles with planetary gearboxes                                                       |
|                                 | Rear axle                                                                                                                                                                                                                                                     | Steering and oscillating with hydraulic locking                                      |
|                                 | Front axle                                                                                                                                                                                                                                                    | Steering                                                                             |
|                                 | Service brake                                                                                                                                                                                                                                                 | Hydraulically operated wet multi-disk brakes on each axle                            |
|                                 | Parking brake                                                                                                                                                                                                                                                 | Hydraulic with negative action                                                       |
|                                 | Tyres dimensions                                                                                                                                                                                                                                              | 18 R19.5 (445/65 R19.5)                                                              |
| PERFORMANCE                     | Max. travel speed                                                                                                                                                                                                                                             | 15 Mph                                                                               |
|                                 | Drawbar pull                                                                                                                                                                                                                                                  | 74 kN                                                                                |
|                                 | Gradeability                                                                                                                                                                                                                                                  | 53%                                                                                  |
|                                 | Turning radius (end of forks)                                                                                                                                                                                                                                 | 240"                                                                                 |
| WEIGHTS                         | Total unladen                                                                                                                                                                                                                                                 | 31,750 lbs                                                                           |
|                                 | Front axle unladen (boom retracted and lowered)                                                                                                                                                                                                               | 13,890 lbs                                                                           |
|                                 | Rear axle unladen (boom retracted and lowered)                                                                                                                                                                                                                | 17,860 lbs                                                                           |
| TANK AND SYSTEM CAPACITIES      | Fuel tank                                                                                                                                                                                                                                                     | 46.2 US gal                                                                          |
|                                 | AdBlue                                                                                                                                                                                                                                                        | 2.6 US gal                                                                           |
|                                 | Hydraulic oil tank                                                                                                                                                                                                                                            | 43.6 US gal                                                                          |
|                                 | Engine oil tank                                                                                                                                                                                                                                               | 2.4 US gal                                                                           |
|                                 | Cooling liquid                                                                                                                                                                                                                                                | 5.3 US gal                                                                           |
| HYDRAULIC CIRCUIT FOR MOVEMENTS | Max. operating system pressure                                                                                                                                                                                                                                | 270 bar                                                                              |
|                                 | Circuit type                                                                                                                                                                                                                                                  | Gear pump                                                                            |
|                                 | Service pump                                                                                                                                                                                                                                                  | Casappa                                                                              |
|                                 | Controls for boom and turret movements                                                                                                                                                                                                                        | Danfoss – SIL 2 electro-proportional valve                                           |
|                                 | Controls for stabilizers                                                                                                                                                                                                                                      | Bosch Rexroth - Electro-hydraulics controls                                          |
|                                 | Movements control                                                                                                                                                                                                                                             | 2 no. two-axis Danfoss joysticks with deadman safety device -<br>Managed via CAN bus |
| STANDARDS MET                   | EN 1459-2: concerning standards for slewing variable-reach trucks<br>EN 13000: concerning standards for mobile cranes<br>EN 280: concerning standards for mobile elevating work platforms<br>FOPS/ROPS<br>EU 2016/1628: concerning engine emissions standards |                                                                                      |

The data in this brochure are informative and subject to change without notice

