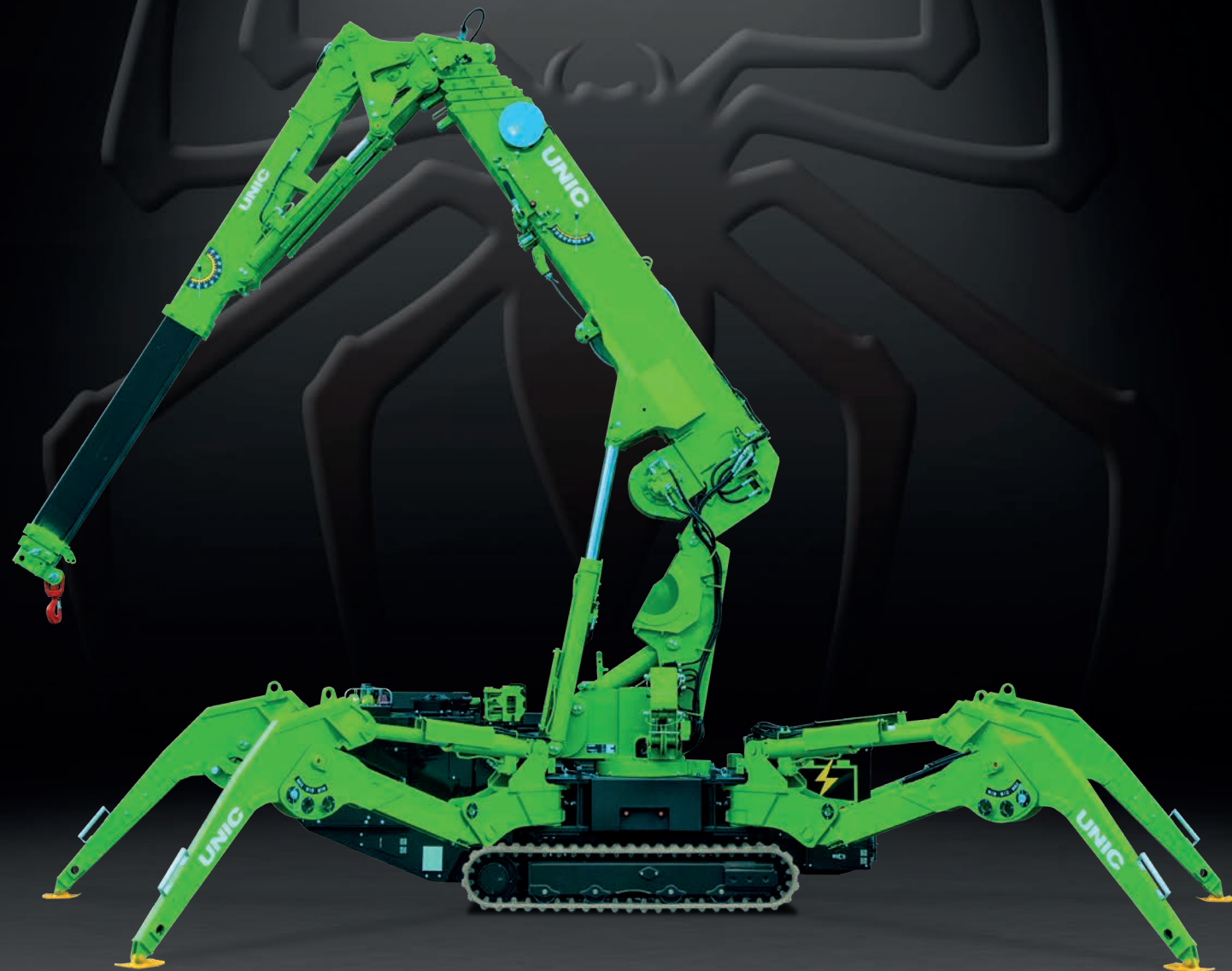


LITHIUM-ION  
**UM325**  
POP-UP  
CRANE



**UNIC**  
CRANES EUROPE

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LITHIUM-ION  
**UM325**  
POP-UP  
CRANE



**UNIC**  
CRANES EUROPE

CAPACITY: 3.2t x 2.2m    MAXIMUM LIFTING HEIGHT: 17.5m    MAXIMUM WORKING RADIUS: 15.7m  
SLEWING RANGE: 360° continuous    WEIGHT: 3830kg





UM325

(3.2t x 2.2m)

LITHIUM-ION POWERED POP-UP  
MINI SPIDER CRANE



- Total width 0.75m
- Non-marking tracks
- Max working radius 15.7m
- Max lifting height 17.5m
- Powered by a maintenance free 159Ah lithium-ion battery
- Continuous operation while charging
- Auto-levelling system making setup easy
- Pick & carry capacity: 500kg
- Five-section derricking boom & four-section telescoping jib
- Unique pop-up column reduces rear swing overhang
- Full colour, high resolution i4500 SLI system
- Five position, three extension variable outrigger system
- Radio remote control with feedback display as standard
- Intelligent power activation for economy and ecology
- Low noise output
- Zero emissions

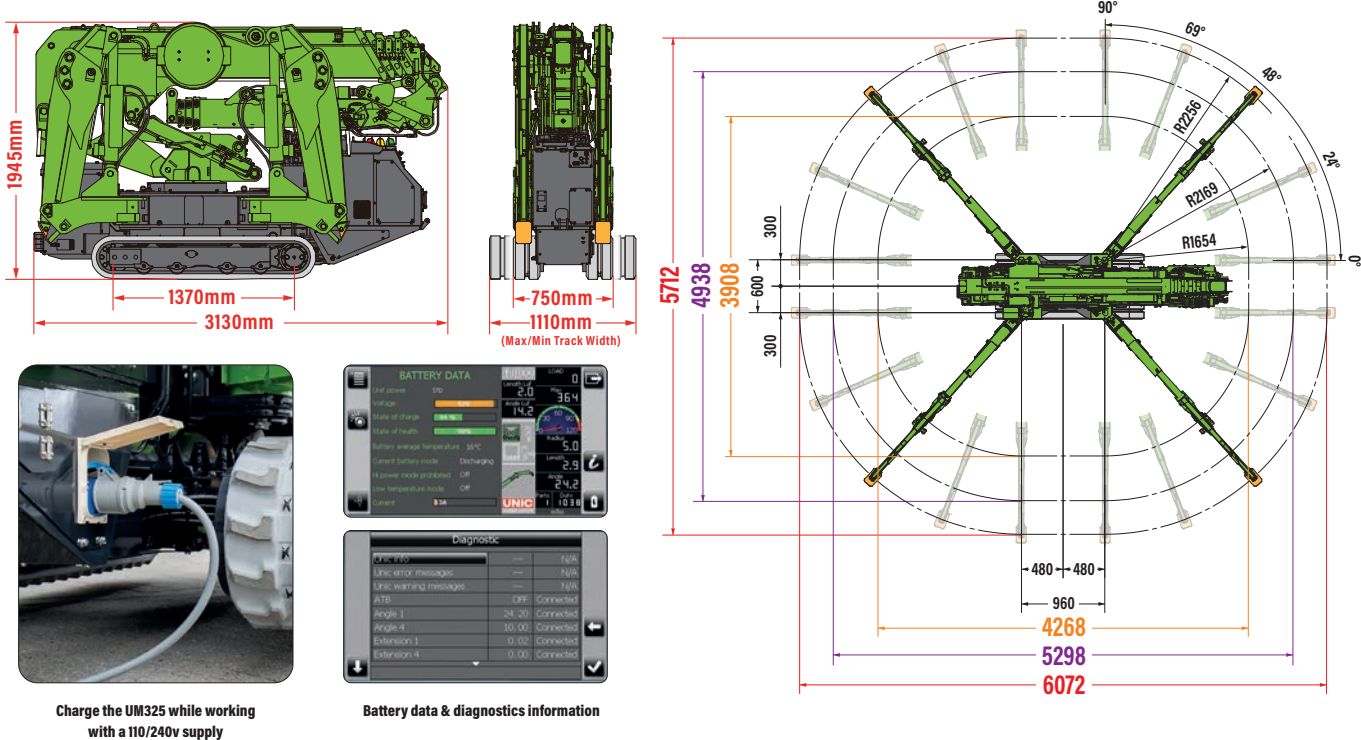


FOUR-SECTION TELESCOPIC HYDRAULIC JIB

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| Capacity        | 1000kg (max)                                            |
| Length          | 1980-5740mm                                             |
| Extending Speed | 3.76m / 21s                                             |
| Tilt angles     | 10°, 0°, -10°, -20°, -30°, -40°, -50°, -60°, -70°, -80° |

Radio remote control with digital feedback

CRANE & OUTRIGGER RADIUS DIMENSIONS



Powered by lithium-ion technology and a high-capacity battery pack with the ability to charge while in operation, the UM325 Pop-Up Crane ensures sustained power, contributing to reduced carbon emissions and eco-friendly, green lifting practices.

Its extendable tracks provide heightened stability and manoeuvrability, facilitating seamless navigation across many terrains. Standard features include a 2.9m – 10.0m main boom and a hydraulic telescoping luffing jib/searcher hook attachment with a maximum capacity of 1000kg, extension range from 2.0m to 5.7m, and a luffing range of -10° to 80° offset. With these capabilities, the UNIC UM325 achieves an impressive maximum lifting height of 17.5m and a maximum working radius of 15.7m.

The flexible variable outrigger design, featuring five offsettable angles and three extensions, allows operation in tighter spaces without compromising load ratings. The pop-up turret design reduces the rear overhang, enabling the crane to work closer to walls and obstacles.

Fully remote-controlled, the UM325 ensures swift and precise setup for lifting operations, travelling, setup, outrigger deployment, auto-levelling, and pick and carry modes. Additionally, the UM325 comes with non-marking tracks as standard to prioritise surface protection.

HIGH-RESOLUTION i4500 SAFE LOAD INDICATOR SYSTEM



The advanced i4500 Safe Load Indicator system revolutionises lifting operations, featuring an innovative load chart philosophy for improved capacities and range limiting.

With user-friendly graphics and on-screen diagnostics, it streamlines planning and execution, ensuring operational efficiency.

CRANE SPECIFICATIONS

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Crane capacity      | max:                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3.2t x 2.2m                                                                |
| Max working radius  | max:                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9.8m (15.7m with hydraulic jib, 15.6m with searcher hook)                  |
| Max lifting height  | approx:                                                                                                                                                                                                                                                                                                                                                                                                                              | 10.9m (16.4m with hydraulic jib, 17.5m with searcher hook)                 |
| Rope length         | rope:                                                                                                                                                                                                                                                                                                                                                                                                                                | 8mm x 59m                                                                  |
| Dimensions          | folded:                                                                                                                                                                                                                                                                                                                                                                                                                              | 3130mm (l) x 750mm (1110mm) (w) x 1945mm (h)                               |
| Weight              | unladen:                                                                                                                                                                                                                                                                                                                                                                                                                             | 3830kg                                                                     |
| Point loadings      | Due to the many variables involved, point loadings are only available on request                                                                                                                                                                                                                                                                                                                                                     |                                                                            |
| Hook speed          | approx:                                                                                                                                                                                                                                                                                                                                                                                                                              | 6.0 (9.0)/min (4-fall), 12.0 (18.0)/min (2-fall), 24.0 (36.0)/min (1-fall) |
| Main boom           | boom length:                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.895 - 10.075m                                                            |
|                     | telescoping speed:                                                                                                                                                                                                                                                                                                                                                                                                                   | 7.8m/34 seconds                                                            |
|                     | boom type:                                                                                                                                                                                                                                                                                                                                                                                                                           | 5 section hydraulically telescoping boom, box construction                 |
| Jib                 | jib length:                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.98 - 5.74m                                                               |
|                     | telescoping speed:                                                                                                                                                                                                                                                                                                                                                                                                                   | 3.76m/21 seconds                                                           |
|                     | boom type:                                                                                                                                                                                                                                                                                                                                                                                                                           | 4 section hydraulically telescoping boom, box construction                 |
| Slewing angle/speed | approx:                                                                                                                                                                                                                                                                                                                                                                                                                              | 360° (continuous) 1.2 rpm                                                  |
| Traction system     | drive:                                                                                                                                                                                                                                                                                                                                                                                                                               | hydrostatic 2-speed, stepless forward and reverse                          |
|                     | travel speed:                                                                                                                                                                                                                                                                                                                                                                                                                        | 0 - 2.0km/h                                                                |
|                     | gradeability:                                                                                                                                                                                                                                                                                                                                                                                                                        | ± 20° (vertical) 10° (traverse)                                            |
|                     | track ground length:                                                                                                                                                                                                                                                                                                                                                                                                                 | 1370mm                                                                     |
|                     | track ground pressure:                                                                                                                                                                                                                                                                                                                                                                                                               | 68.2kPa (0.70kg/cm²)                                                       |
| Battery             | type:                                                                                                                                                                                                                                                                                                                                                                                                                                | Lithium-ion battery                                                        |
|                     | pack voltage:                                                                                                                                                                                                                                                                                                                                                                                                                        | DC 51.2V                                                                   |
|                     | pack capacity:                                                                                                                                                                                                                                                                                                                                                                                                                       | 159Ah                                                                      |
|                     | pack composition:                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 series x 3 parallel                                                      |
|                     | input voltage:                                                                                                                                                                                                                                                                                                                                                                                                                       | AC95-265V (50-60Hz), single-phase                                          |
| Battery charger     | input current:                                                                                                                                                                                                                                                                                                                                                                                                                       | 16A (AC200V), 15A (AC100V)                                                 |
|                     | output voltage:                                                                                                                                                                                                                                                                                                                                                                                                                      | DC56.0V                                                                    |
|                     | output current:                                                                                                                                                                                                                                                                                                                                                                                                                      | 60A (AC200V), 30A (AC100V)                                                 |
|                     | charging time:                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.0 hr (AC200V), 6.2 hr (AC100V)                                           |
| Standard equipment  | computer controlled moment limiter (safe load indicator), radio remote control with feedback display, overwinding alarm, computer controlled intelligent voice warning system, multi-function operation by radio remote control, intelligent power activation, automatic hook stow, overload warning lamps, working area limitation, variable outriggers, virtual wall, slew, height and radius range limitation, non-marking tracks |                                                                            |

DESIGNED FOR ENCLOSED AREA LIFTING

The pop-up turret design enables the crane to be used closer to walls and obstacles than ever before by reducing the rear overhang, providing maximum versatility. The new, increased flexible variable outrigger design features five different off settable angles and three different extensions, allowing the UNIC UM325 to work in tighter, more restricted areas while maintaining excellent load ratings.



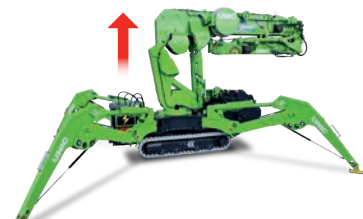
UNIQUE FEATURE OF THE UM325 POP-UP SPIDER CRANE



1 The compact UM325 with its expandable tracks for improved stability can be manoeuvred easily into position by the operator. Taking the width from 1100mm to 750mm gives users the option to manoeuvre through suitable doorways.



2 The variable outriggers of the UM325 give operators the ability to position the outriggers where needed in confined areas or around obstacles on-site. Additionally, with the variable outriggers users can unlock even more performance with Max+ capacities.



3 The position of the unique pop-up column means the UM325 has increased stability. It also offers the ability to work closer to walls and obstacles than its closest competitor, due to the minimal overhang of the column.



4 The 1000kg capacity 4-section telescopic hydraulic jib of the UM325 takes the maximum hook height from 10.5m to 17.5m, and the maximum working radius from 9.82m to 15.7m.



# UM325

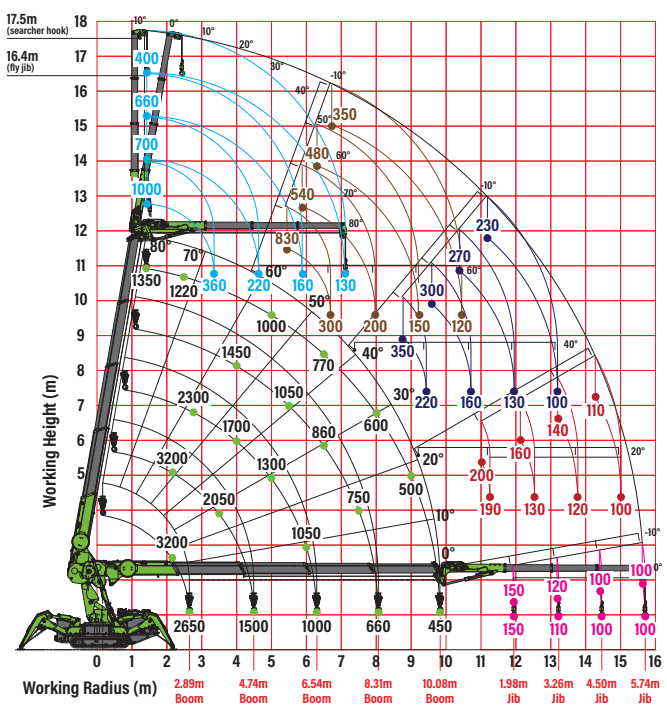
- MAIN BOOM 5 EXTENDED SET AT 80° - JIB AT -10° & 80°
- MAIN BOOM 5 EXTENDED SET AT 60° - JIB AT -10° & 60°
- MAIN BOOM 5 EXTENDED SET AT 40° - JIB AT -10° & 40°
- MAIN BOOM 5 EXTENDED SET AT 20° - JIB AT -10° & 20°
- MAIN BOOM 5 EXTENDED SET AT 0° - JIB AT -10° & 0°

(3.2t x 2.2m)

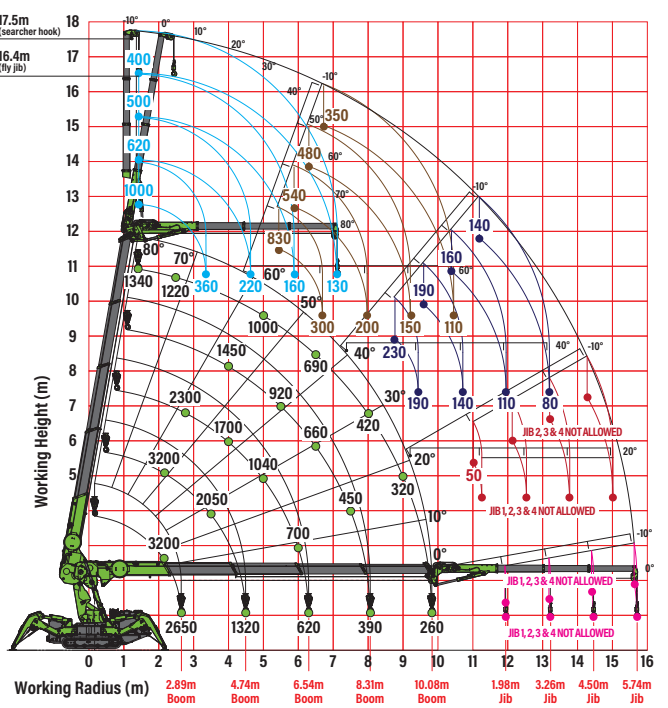
## LITHIUM-ION POWERED POP-UP MINI SPIDER CRANE



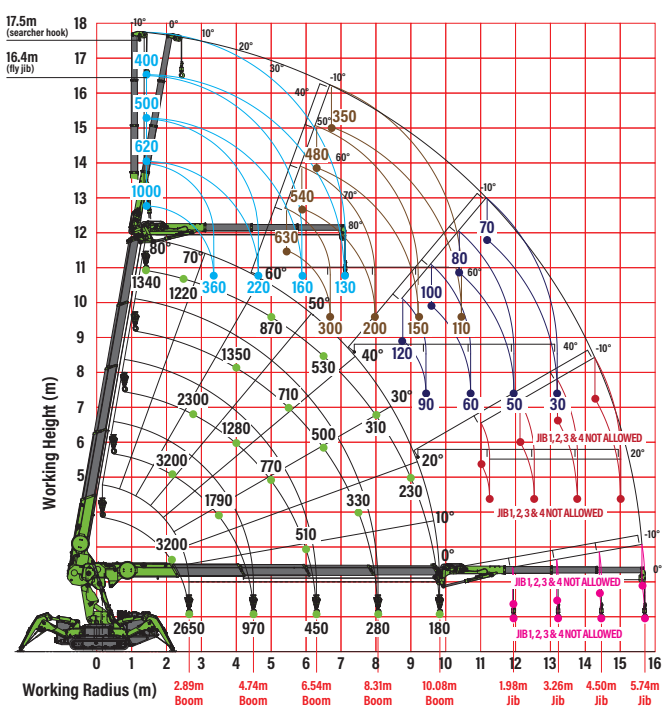
### WORKING RANGE - OUTRIGGERS SET TO MAX+



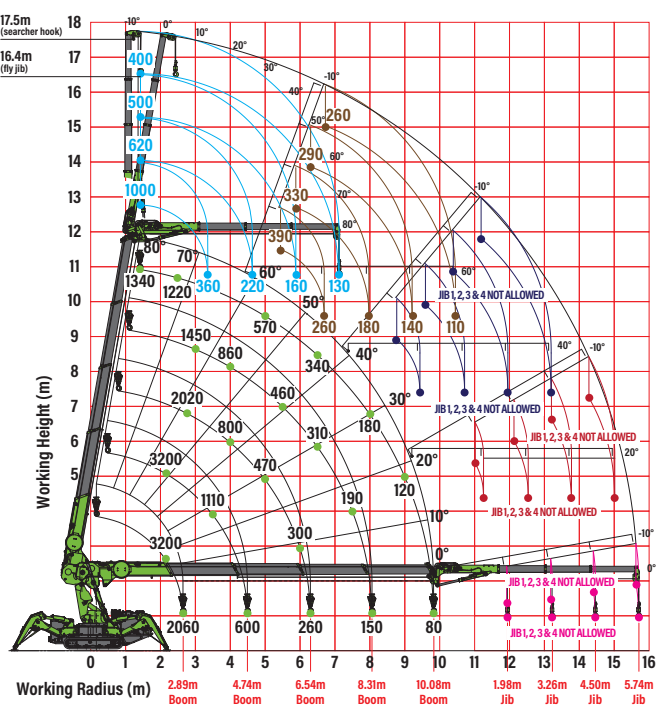
### WORKING RANGE - OUTRIGGERS SET TO MAX



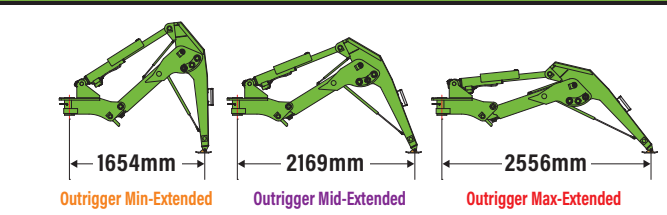
### WORKING RANGE - OUTRIGGERS SET TO MID



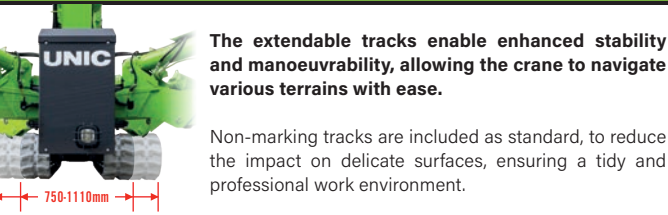
### WORKING RANGE - OUTRIGGERS SET TO MIN



### OUTRIGGER POSITIONS



### NON-MARKING EXTENDABLE TRACKS



### MAIN BOOM RATED LOADS & HOOK FALLS

**FIRST STAGE 2.895 m BOOM LENGTH**

| Working radius        | m  | up to 1.0 | 1.5  | 2.2  | 2.5  | 2.6  | 2.645 |
|-----------------------|----|-----------|------|------|------|------|-------|
| Outrigger             |    |           |      |      |      |      |       |
| Max + extended (Max+) | kg | 3200      | 3200 | 3200 | 3000 | 2770 | 2650  |
| Max extended (Max)    | kg | 3200      | 3200 | 3200 | 3000 | 2770 | 2650  |
| Max - extended (Max-) | kg | 3200      | 2500 | 1100 | 800  | 700  | 650   |
| Mid + extended (Mid+) | kg | 3200      | 3200 | 3200 | 3000 | 2770 | 2650  |
| Mid extended (Mid)    | kg | 3200      | 3200 | 3200 | 3000 | 2770 | 2650  |
| Mid - extended (Mid-) | kg | 3200      | 2500 | 1100 | 800  | 700  | 650   |
| Min + extended (Min+) | kg | 3200      | 3200 | 3200 | 3000 | 2770 | 2650  |
| Min extended (Min)    | kg | 3200      | 3200 | 3200 | 2490 | 2220 | 2060  |
| Min - extended (Min-) | kg | 3200      | 2500 | 1100 | 800  | 700  | 650   |

**SECOND STAGE EXTENDED 2.895 - 4.74 m BOOM LENGTH**

| Working radius        | m  | up to 1.0 | 1.5  | 2.2  | 2.5  | 2.6  | 2.7  | 3.0  | 3.5  | 4.0  | 4.49 |
|-----------------------|----|-----------|------|------|------|------|------|------|------|------|------|
| Outrigger             |    |           |      |      |      |      |      |      |      |      |      |
| Max + extended (Max+) | kg | 3200      | 3200 | 3200 | 2850 | 2750 | 2650 | 2450 | 2050 | 1750 | 1500 |
| Max extended (Max)    | kg | 3200      | 3200 | 3200 | 2850 | 2750 | 2650 | 2450 | 2050 | 1750 | 1320 |
| Max - extended (Max-) | kg | 3200      | 2500 | 1130 | 850  | 750  | 700  | 500  | 350  | 250  | 150  |
| Mid + extended (Mid+) | kg | 3200      | 3200 | 3200 | 2850 | 2750 | 2650 | 2450 | 2050 | 1750 | 1320 |
| Mid extended (Mid)    | kg | 3200      | 3200 | 3200 | 2850 | 2750 | 2650 | 2450 | 1790 | 1260 | 970  |
| Mid - extended (Mid-) | kg | 3200      | 2500 | 1100 | 850  | 750  | 700  | 500  | 350  | 250  | 150  |
| Min + extended (Min+) | kg | 3200      | 3200 | 3200 | 2850 | 2750 | 2650 | 2450 | 1790 | 1260 | 970  |
| Min extended (Min)    | kg | 3200      | 3200 | 3200 | 2450 | 2210 | 2020 | 1540 | 1110 | 780  | 600  |
| Min - extended (Min-) | kg | 3200      | 2500 | 1100 | 850  | 750  | 700  | 500  | 350  | 250  | 150  |

**THIRD STAGE EXTENDED 4.74 - 6.545 m BOOM LENGTH**

| Working radius        | m  | up to 1.0 | 1.5  | 2.0  | 2.5  | 2.6  | 2.7  | 3.0  | 3.5  | 4.0  | 4.5  | 5.0  | 5.5 | 6.0 | 6.295 |
|-----------------------|----|-----------|------|------|------|------|------|------|------|------|------|------|-----|-----|-------|
| Outrigger             |    |           |      |      |      |      |      |      |      |      |      |      |     |     |       |
| Max + extended (Max+) | kg | 2300      | 2300 | 2300 | 2300 | 2300 | 2300 | 2100 | 1850 | 1700 | 1360 | 1040 | 880 | 700 | 620   |
| Max extended (Max)    | kg | 2300      | 2300 | 2300 | 2300 | 2300 | 2300 | 2100 | 1850 | 1700 | 1360 | 1040 | 880 | 700 | 620   |
| Max - extended (Max-) | kg | 2300      | 2300 | 1300 | 850  | 750  | 700  | 550  | 400  | 300  | 200  | 130  | 90  | 50  | 30    |
| Mid + extended (Mid+) | kg | 2300      | 2300 | 2300 | 2300 | 2300 | 2300 | 2100 | 1850 | 1700 | 1360 | 1040 | 880 | 700 | 620   |
| Mid extended (Mid)    | kg | 2300      | 2300 | 2300 | 2300 | 2300 | 2300 | 2100 | 1790 | 1280 | 1020 | 770  | 660 | 510 | 450   |
| Mid - extended (Mid-) | kg | 2300      | 2300 | 1300 | 850  | 750  | 700  | 550  | 400  | 300  | 200  | 130  | 90  | 50  | 30    |
| Min + extended (Min+) | kg | 2300      | 2300 | 2300 | 2300 | 2300 | 2300 | 2100 | 1790 | 1280 | 1020 | 770  | 660 | 510 | 450   |
| Min extended (Min)    | kg | 2300      | 2300 | 2300 | 2300 | 2220 | 2020 | 1560 | 1120 | 800  | 650  | 470  | 420 | 300 | 260   |
| Min - extended (Min-) | kg | 2300      | 2300 | 1300 | 850  | 750  | 700  | 550  | 400  | 300  | 200  | 130  | 90  | 50  | 30    |

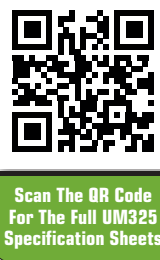
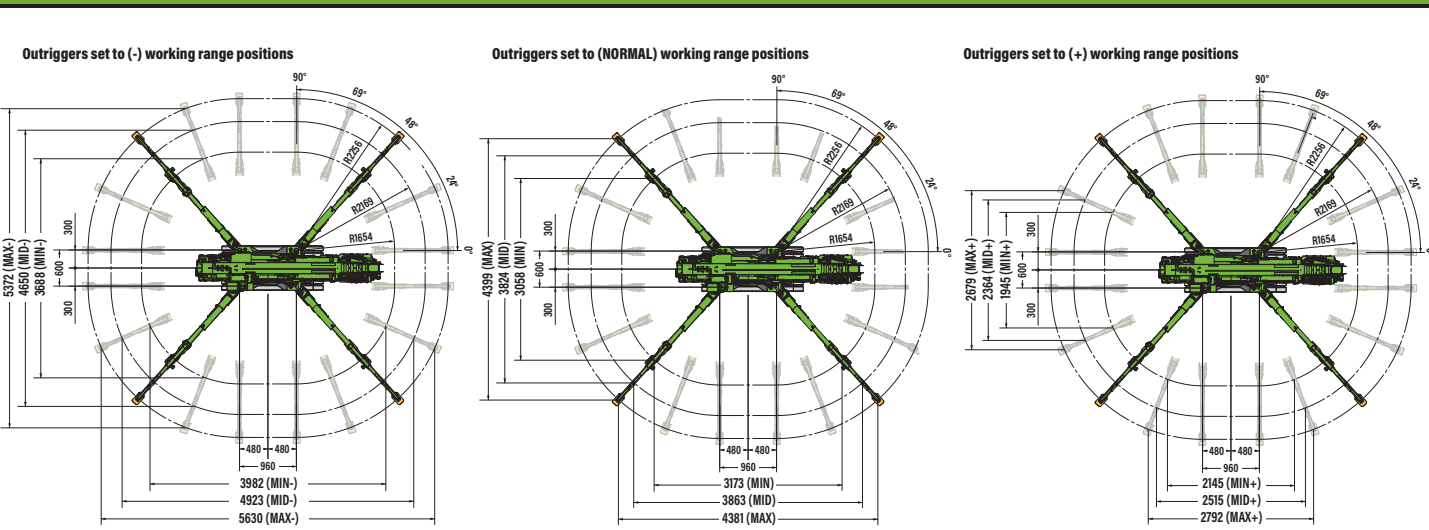
**FOURTH STAGE EXTENDED 6.545 - 8.31 m BOOM LENGTH**

| Working radius        | m  | up to 1.07 | 1.5  | 2.0  | 2.5  | 2.6  | 2.7  | 3.0  | 3.5  | 4.0  | 4.5  | 5.0  | 5.5  | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.06 |
|-----------------------|----|------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|
| Outrigger             |    |            |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |      |
| Max + extended (Max+) | kg | 1450       | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1250 | 1150 | 1050 | 950 | 860 | 800 | 750 | 660 | 660  |
| Max extended (Max)    | kg | 1450       | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1250 | 1150 | 1050 | 920 | 740 | 660 | 530 | 450 | 390  |
| Max - extended (Max-) | kg | 1450       | 1450 | 1350 | 900  | 800  | 750  | 600  | 420  | 320  | 250  | 180  | 130  | 80  | 50  | 30  | -   | -   | -    |
| Mid + extended (Mid+) | kg | 1450       | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1250 | 1100 | 920  | 740 | 660 | 530 | 450 | 390 | 390  |
| Mid extended (Mid)    | kg | 1450       | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1350 | 1060 | 830  | 710  | 560 | 500 | 390 | 330 | 280 | 280  |
| Mid - extended (Mid-) | kg | 1450       | 1450 | 1350 | 900  | 800  | 750  | 600  | 420  | 320  | 250  | 180  | 130  | 80  | 50  | 30  | -   | -   | -    |
| Min + extended (Min+) | kg | 1450       | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1350 | 1060 | 830  | 710  | 560 | 500 | 390 | 330 | 280 | 280  |
| Min extended (Min)    | kg | 1450       | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1170 | 860  | 700  | 530  | 460  | 350 | 310 | 230 | 190 | 150 | 150  |
| Min - extended (Min-) | kg | 1450       | 1450 | 1350 | 900  | 800  | 750  | 600  | 420  | 320  | 250  | 180  | 130  | 80  | 50  | 30  | -   | -   | -    |

**FIFTH STAGE EXTENDED 8.31 - 10.075 m BOOM LENGTH**

| Working radius        | m  | up to 1.414 | 1.5  | 2.0  | 2.5  | 2.6  | 2.7  | 3.0  | 3.5  | 4.0  | 4.5  | 5.0  | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 9.825 |
|-----------------------|----|-------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Outrigger             |    |             |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |       |
| Max + extended (Max+) | kg | 1350        | 1340 | 1270 | 1220 | 1210 | 1190 | 1150 | 1120 | 1100 | 1050 | 1000 | 920 | 850 | 770 | 700 | 620 | 600 | 520 | 500 | 470 | 450   |
| Max extended (Max)    | kg | 1350        | 1340 | 1270 | 1220 | 1210 | 1190 | 1150 | 1120 | 1100 | 1050 | 1000 | 920 | 780 | 690 | 570 | 510 | 420 | 400 | 320 | 290 | 260   |
| Max - extended (Max-) | kg | 1350        | 1340 | 1270 | 900  | 800  | 750  | 600  | 450  | 320  | 250  | 200  | 150 | 100 | 80  | 50  | -   | -   | -   | -   | -   | -     |
| Mid + extended (Mid+) | kg | 1350        | 1340 | 1270 | 1220 | 1210 | 1190 | 1150 | 1120 | 1100 | 1050 | 1000 | 920 | 780 | 690 | 570 | 510 | 420 | 400 | 320 | 290 | 260   |
| Mid extended (Mid)    | kg | 1350        | 1340 | 1270 | 1220 | 1210 | 1190 | 1150 | 1120 | 1100 | 1050 | 870  | 740 | 590 | 530 | 430 | 390 | 310 | 300 | 230 | 200 | 180   |
| Mid - extended (Mid-) | kg | 1350        | 1340 | 1270 | 900  | 800  | 750  | 600  | 450  | 320  | 250  | 200  | 150 | 100 | 80  | 50  | -   | -   | -   | -   | -   | -     |
| Min + extended (Min+) | kg | 1350        | 1340 | 1270 | 1220 | 1210 | 1190 | 1150 | 1120 | 1100 | 1050 | 870  | 740 | 590 | 530 | 430 | 400 | 310 | 300 | 230 | 200 | 180   |
| Min extended (Min)    | kg | 1350        | 1340 | 1270 | 1220 | 1210 | 1190 | 1150 | 1120 | 900  | 730  | 570  | 490 | 380 | 340 | 260 | 240 | 180 | 170 | 120 | 100 | 80    |
| Min - extended (Min-) | kg | 1350        | 1340 | 1270 | 900  | 800  | 750  | 600  | 450  | 320  | 250  | 200  | 150 | 100 | 80  | 50  | -   | -   | -   | -   | -   | -     |

### WORKING RANGE OUTRIGGER DIMENSIONS



Scan The QR Code For The Full UM325 Specification Sheets



UM325

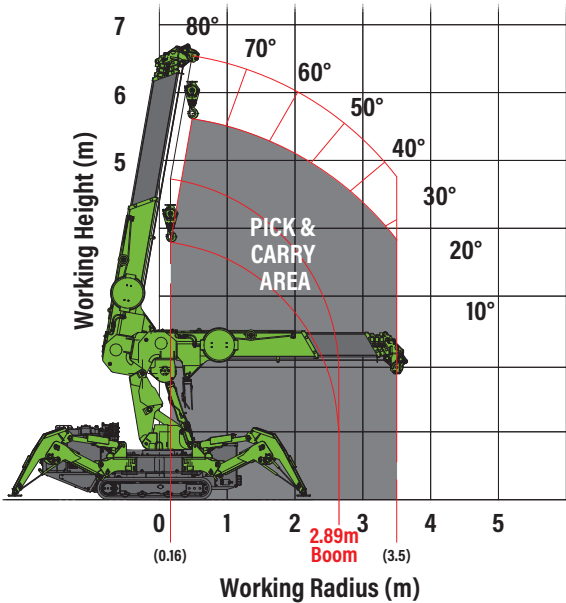
(3.2t x 2.2m)

LITHIUM-ION POWERED POP-UP  
MINI SPIDER CRANE



WORKING RANGE - PICK & CARRY

The crane's versatile pick and carry function enhances productivity, enabling both lifting and transporting of loads efficiently on site.



PICK & CARRY RATED LOADS

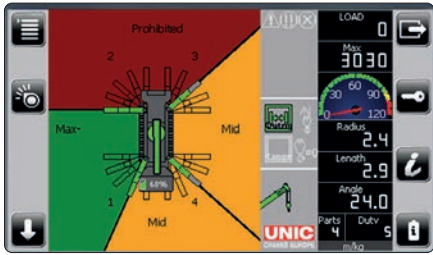
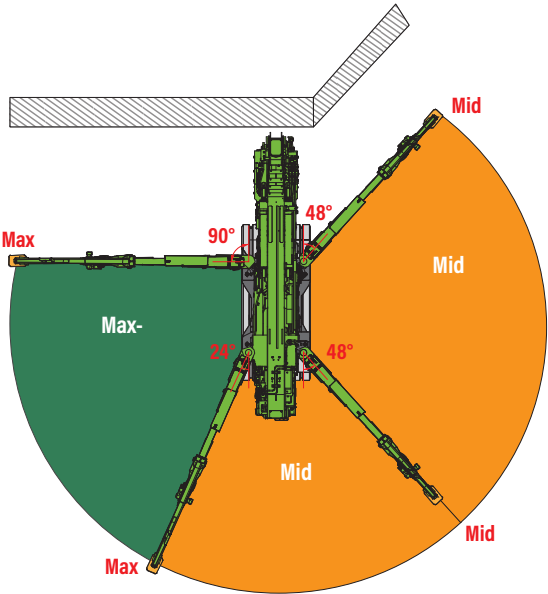
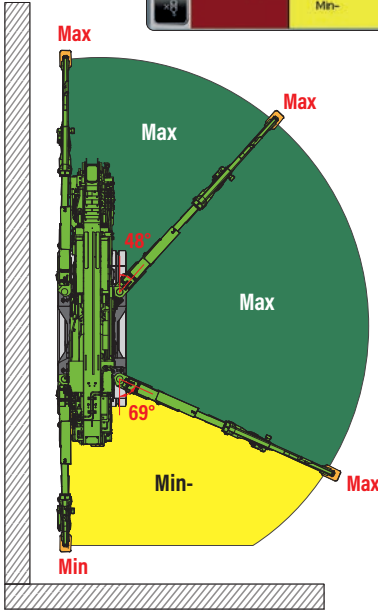
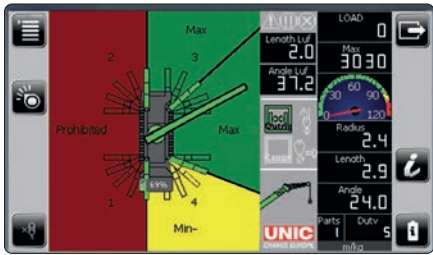
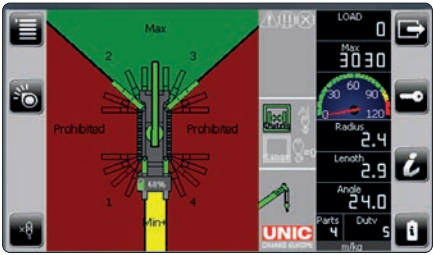
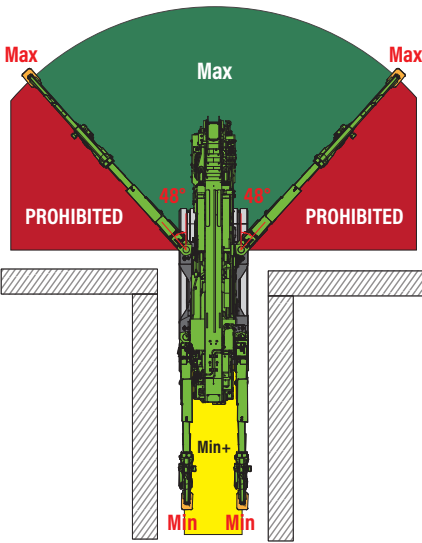
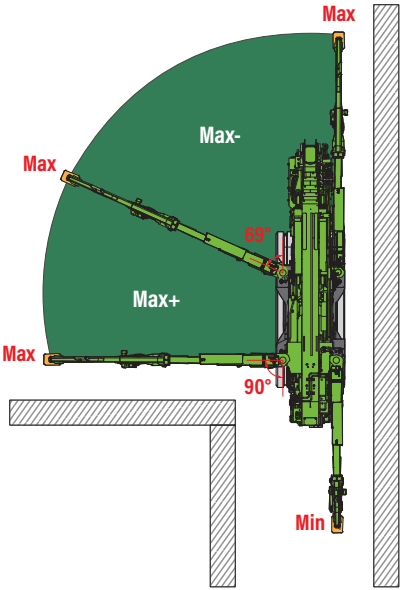
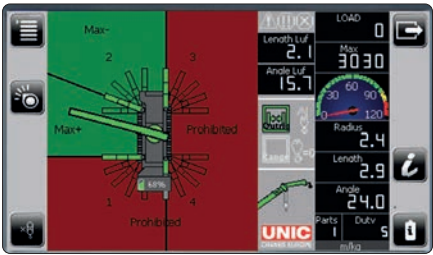
|                               |     |     |     |       |     |
|-------------------------------|-----|-----|-----|-------|-----|
| Boom-sections extended: 1     |     |     |     |       |     |
| Working Radius (m)            | 1.0 | 1.5 | 2.0 | 2.645 |     |
| Net Rated Loads (kg)          | 500 | 500 | 440 | 200   |     |
| Boom-sections extended: 1 + 2 |     |     |     |       |     |
| Working Radius (m)            | 1.0 | 1.5 | 2.0 | 3.0   | 3.5 |
| Net Rated Loads (kg)          | 500 | 500 | 440 | 150   | 70  |

LIFTING FROM THE GROUND UP

With thanks to the hydraulic luffing jib, the UNIC UM325 allows operators to lift closer and extend further, ideal for lifting operations when working in-between floors and in confined spaces.



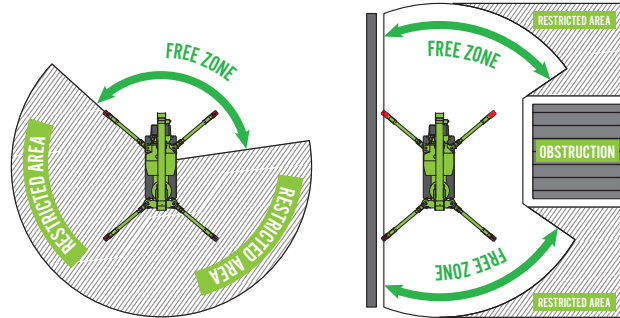
VARIABLE OUTRIGGER - WORKING EXAMPLES



SLEW AND HEIGHT LIMITATION AS STANDARD

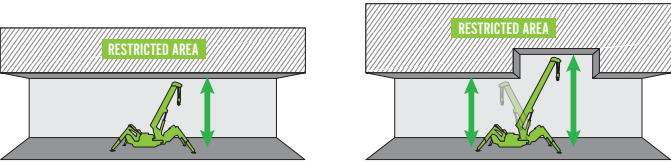
SLEW LIMITATION & VARIABLE SLEW LIMITATION

Operators can set slew limitation and variable slew limitation to avoid the crane working outside of its safe working envelope, helping to increase safety, reduce operator error and provide complete peace of mind during lifting operations.



HEIGHT LIMITATION & VARIABLE HEIGHT LIMITATION

Operators can set both fixed and adjustable height limits to ensure the crane functions within safe operational parameters. This functionality improves safety protocols and reduces the likelihood of operator errors.



AUTO-LEVELLING FOR UNEVEN CONDITIONS

The auto-levelling function guarantees precise crane placement irrespective of the site's terrain and conditions.

This feature not only enhances operator efficiency by automatically and efficiently levelling the crane but also adapts seamlessly to the ground conditions, saving valuable time.

