

# POTAIN®

by **Manitowoc**



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# MR 418

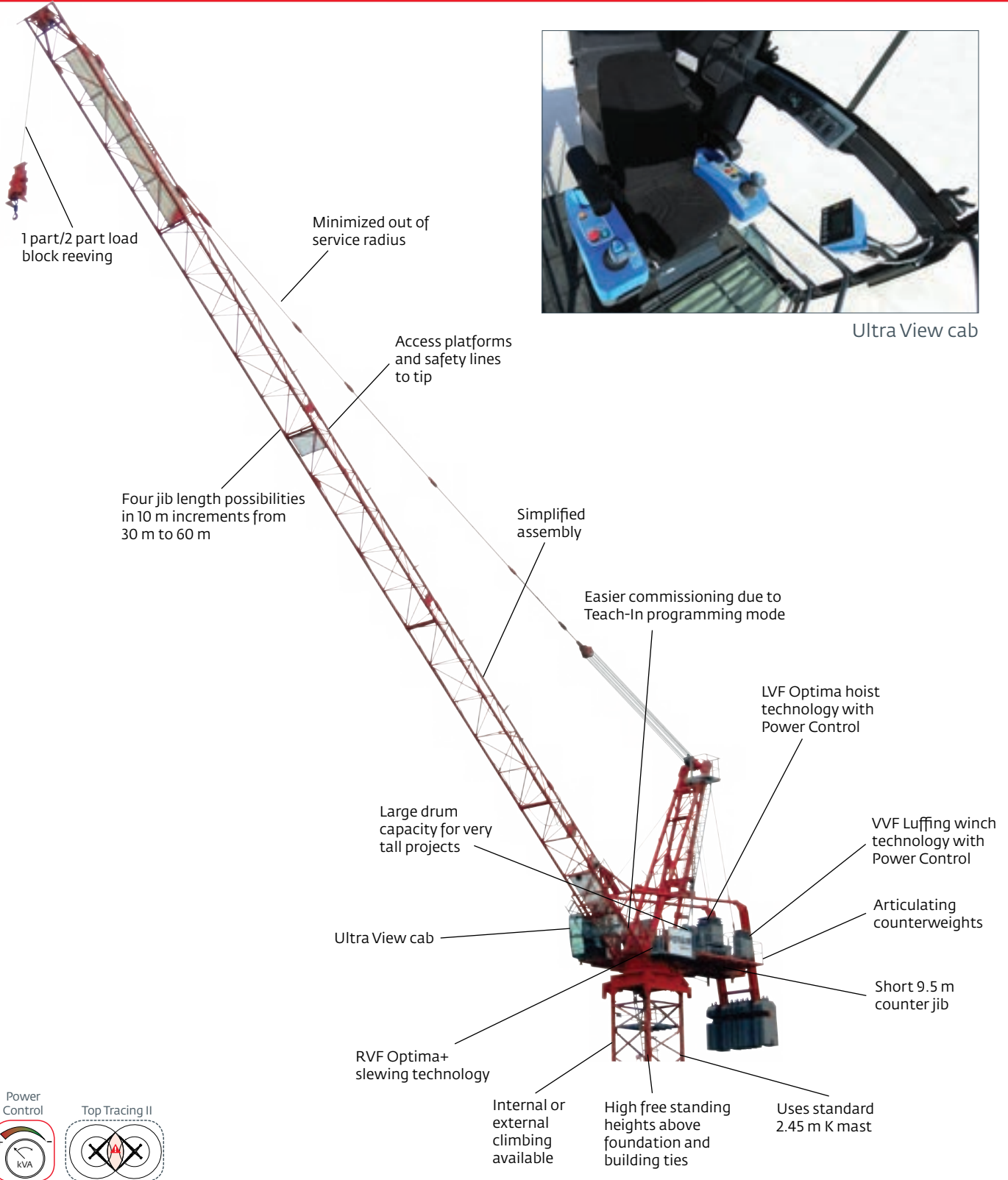
**Maximum capacity: 24 t**

**Maximum operating hook radius: 60 m**

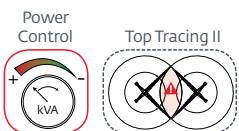
**Maximum capacity at 60 m: 5 t**

**Maximum line speed: 254 m/min**

**1 part / 2 part load block reeving**



Ultra View cab



## Benefits

### New mechanisms

- 150/180 LVF 120 or 270/320 LVF 120 hoist options available
- 1 part / 2 part load block reeving
- Smooth movements due to frequency control technology
- Extremely accurate and reactive luffing movements through VVF technology
- Very high speed, high capacity hoist winches maximize productivity at very tall working heights
- Ultra View cab provides outstanding visibility with first-rate comfort

### Smart design

- Improved technician access to mechanisms and electrical panels
- Optimized counter jib length, 9.5 m and articulating counterweight minimize out of service radius
- Standard service derrick allows handling of mechanism components on machinery deck
- Simplified assembly, commissioning and maintenance phases maximize uptime
- One type of counterweight 4.4 t used with all jib combinations
- Minimized weights for transportation and assembly of components



## On-board computer

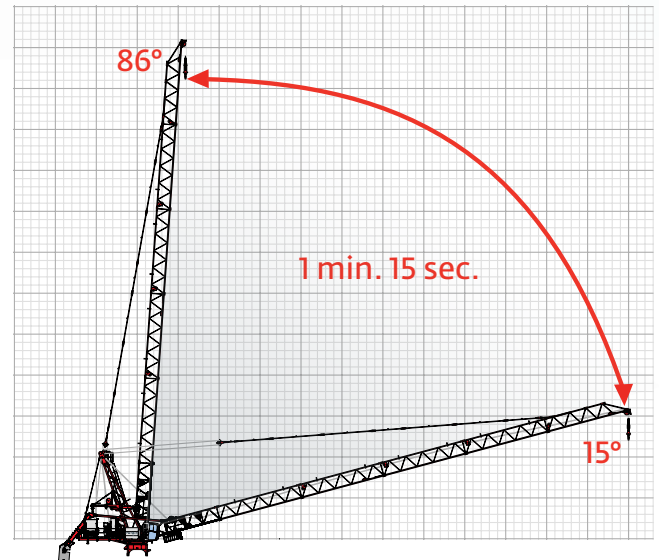
- Easier commissioning with Teach-In programming mode
- Improved man to machine interface through modern control system
- Simplified maintenance through fault stack readout
- Secured sensors and switches ensure a high level of safety
- Optional Top Tracing II (WADS + crane interface control) that informs the operator of obstructions and obstacles within the working area

## LVF Optima hoist system

Electrical network	400 V - 50 Hz		480 V - 60 Hz	
Winch	150 LVF 120 Optima	270 LVF 120 Optima	180 LVF 120 Optima	320 LVF 120 Optima
Max. speed	210 m/min	254 m/min	210 m/min	254 m/min
Lifted load	1.6 t	1.7 t	2.2 t	3 t
Drum capacity	552 m	826 m	552 m	826 m

- High-speed hoisting winches with large drum capacity
- Optimized speed depending on the load
- Automatic detection of the electrical network
- Power Control function for reduced electrical demand
- No gearbox

## VVF luffing system



## RVF Optima+ slewing system

- Slewing speeds up to 0.9 rpm



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