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

- 1 part/2 part load block reeving
- Minimized out of service radius
- Access platforms and safety lines to tip
- Four jib length possibilities in 10 m increments from 30 m to 60 m
- Simplified assembly
- Easier commissioning due to Teach-In programming mode
- Large drum capacity for very tall projects
- Ultra View cab
- LVF Optima hoist technology with Power Control
- VVF Luffing winch technology with Power Control
- Articulating counterweights
- Short 9.5 m counter jib
- Uses standard 2.45 m K mast
- Internal or external climbing available
- High free standing heights above foundation and building ties

Contact your local dealer for more information, or to find your dealer go to www.manitowoc.com
LVF Optima hoist system

<table>
<thead>
<tr>
<th>Electrical network</th>
<th>LVF 120 Optima</th>
<th>LVF 120 Optima</th>
<th>LVF 120 Optima</th>
<th>LVF 120 Optima</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winch</td>
<td>150 m/min</td>
<td>254 m/min</td>
<td>210 m/min</td>
<td>254 m/min</td>
</tr>
<tr>
<td>Max. speed</td>
<td>210 m/min</td>
<td>254 m/min</td>
<td>210 m/min</td>
<td>254 m/min</td>
</tr>
<tr>
<td>Lifted load</td>
<td>1.6 t</td>
<td>1.7 t</td>
<td>2.2 t</td>
<td>3 t</td>
</tr>
<tr>
<td>Drum capacity</td>
<td>552 m</td>
<td>826 m</td>
<td>552 m</td>
<td>826 m</td>
</tr>
</tbody>
</table>

- 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

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

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

VVF luffing system

- Slewing speeds up to 0.9 rpm

RVF Optima+ slewing system

- Slewing speeds up to 0.9 rpm

Benefits

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- 1 part / 2 part load block reeving
- Smooth movements due to frequency control technology
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