

# HORIZON 920

STATIONARY MOUNT LOADER

# ROTOBEC

TOUGH HANDLING EQUIPMENT



**WHEN THE GOING GETS TOUGH...  
THE HORIZON GETS GOING**  
SUPERIOR DURABILITY. EXCEPTIONAL PRECISION.



The HORIZON 920 is a unique solution for heavy duty applications requiring the precision of the ELITE 910, combined with the strength and durability of a much larger loader. Built using the highest quality materials, the HORIZON 920 will not only survive, but thrive in even the most demanding environments. Equipped with standard dual swing motors and an integrated oil cooler, this loader can be pushed to the limit day in and day out, and it will continue to give you all you need and more. Reduce your downtime, increase your efficiency and add to your bottom line. It really is that simple.



# TOUGH HANDLING EQUIPMENT

TOUGH TIMES NEVER LAST, BUT TOUGH MACHINES DO. Speed, precision, and agility, all packaged up into one tough handling machine.

**4,195 KG** MAX LIFT CAPACITY

**56 KW** HIGH EFFICIENCY ELECTRIC MOTOR

**7 M** HEAVY DUTY BOOM (STANDARD)

**80 CM** SLEWING RING

**220 BAR** OPERATING PRESSURE

**9 SEC** MAIN BOOM CYCLE

# GET THE RELIABILITY YOU DESERVE

## TRIED, TESTED AND TRUE

The HORIZON 920 has been designed to take a beating and come back fighting. Each of our loaders is tested extensively at our production facility before being shipped to our customers, because we understand the importance of reliability. Your productivity is our number one priority.

## GREEN MACHINE

The 56 kW electric motor gives you all the power you need while saving you a ton on your monthly energy bills. The power unit can be mounted remotely or integrated onto the loader platform, providing an unmatched level of flexibility.

## SMOOTH MOVEMENT

Similar to the ELITE 910, the HORIZON 920 provides users with amazingly smooth operation. The 221 bar operating pressure allows the HORIZON 920 to achieve unmatched levels of precision. Spend less time repositioning your loader and more time on what matters most: Working.

## SAFETY FIRST

The HORIZON 920 provides a safe alternative for untangling material jams in mills and other feeding applications. Available remote operation can keep workers safe from any environmental dangers.

# NO TIME FOR DOWNTIME

The HORIZON 920 and nearly all of its components are designed and manufactured at our North American production facilities. We are dedicated to providing you with the most durable and reliable loaders on the market. Because we manufacture everything in house, our parts availability is second to none and our service team is committed to ensuring that your loader is running at maximum capacity at all times.

## QUALITY COMPONENTS

Each component of the HORIZON 920 is manufactured in house using the highest quality materials. Our components are built with one purpose: To outperform and outlast the competition.

## SERVICE MADE SIMPLE

Rotobec engineers have designed the HORIZON 920 in a way that makes it incredibly simple to service. With no need for special tools, the loader can even be serviced in the field.









# ENDLESS POSSIBILITIES

The HORIZON 920 is a unique machine, and with several configuration models available, there is not much that it can't do. If you have a special application or need, let us know. We offer complete customization, so it's your loader, your way.

## CONFIGURATIONS

### SM-X

**Power unit:** On loader  
**Operator station:** On loader

### SM-R

**Power unit:** Remote  
**Operator station:** Remote

### SM-W

**Power unit:** On loader  
**Operator station:** Remote

### SM-H

**Power unit:** Remote  
**Operator station:** On loader

## CUSTOMIZATION

Rotobec has been designing and manufacturing loaders for 40 years. During that time, our custom loader division has worked on several projects for customers who had unique requirements that the competition could simply not meet. Our team of engineers worked closely with these customers to provide them with a solution to meet those needs.

If you have a requirement that is not met by our current products, let us know. Rotobec is open to any custom project and we are always looking for a new challenge.

## OPERATOR CAB (OPTIONAL)

### STANDARD:

- Ergonomic seat
- Dimensions: 97 cm x 132 cm
- Wipers
- Cab fan
- 2 forward facing lights

### OPTIONAL:

- 4,000 W electric heater
- Air conditioning
- Windshield protection grid
- am/fm/cd radio

## ADDITIONAL OPTIONS

### BOOMS:

- M23 (7 m)
- M25 (7.6m)
- MT27 (8.2 m) (telescopic)
- MT28 (8.5 m) (telescopic)

### OTHER:

- Anchor kit
- Adjustable swing lock to set swing angle
- Double pump
- Mounting kit

### HYDRAULIC SYSTEM

Operating pressure	221 bar
Pump flow	2 x 87 LPM
Features	<ul style="list-style-type: none"> <li>Double function joystick</li> <li>Heavy duty hydraulic accumulator</li> </ul>

### SWING SYSTEM

Rotation	Continuous 360°
Slewing ring	81 cm outside diameter
Rotation speed	8.8 rpm
Features	<ul style="list-style-type: none"> <li>Pedal activated rotation</li> <li>Double function joysticks</li> <li>Adjustable swing lock (optional)</li> </ul>

### CYLINDERS

Main boom	13 cm bore, 8 cm rod
Stick boom	13 cm bore, 8 cm rod
Features	<ul style="list-style-type: none"> <li>Bolt-on head</li> <li>Wear ring</li> <li>Chrome plated tempered steel rod</li> </ul>

### POWER UNIT

Engine	56 kW high efficiency electric motor
Electrical system	12 VDC outlet available
Features	<ul style="list-style-type: none"> <li>600 v, 3 phase, 60 Hz</li> <li>Electric panel w/ 2 15 A/ 120 v outlets</li> <li>Cut off switch</li> <li>Double gear pump</li> <li>Thermostat oil cooler</li> <li>375 l oil tank</li> </ul>

### BOOM LENGTH OPTIONS

Standard	7 m
Non-telescopic	7.6 m
Telescopic	8.2 m, 8.5 m

\* Limited by stick boom hydraulic capacity

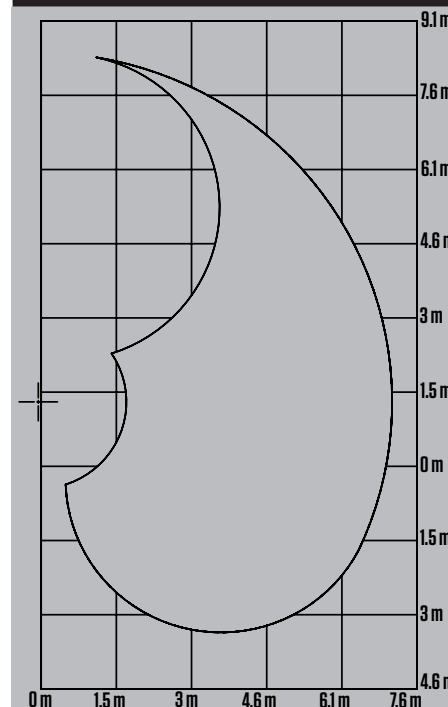
\*\* Lift capacities calculated at 100% operating pressure

\*\*\* We reserve the right to change specification and improve our products without notice or obligation

### BOOM

Structure	Rectangular structure 97 cm x 132 cm made of high tensile steel
Pivots	6 cm diameter heat-treated and chromed pins mounted on bronze bushings
Complete motion	<b>Main:</b> 9 sec w/ 83 LPM <b>Stick:</b> 8 sec w/ 83 LPM
Standard reach	7 m (Main: 4 m/ Stick: 3 m)
Features	<ul style="list-style-type: none"> <li>Designed for closer access to loader pedestal</li> <li>Induction tempered, chrome steel pins on bronze bushings</li> <li>2 x 55 W lights on stick boom</li> <li>Telescopic booms activated by electric button and proportionately controlled by lever</li> </ul>

### BOOM SWEEP HORIZON 920 SM-H 7 M



### APPROXIMATE LIFT CAPACITY (kg)

		DISTANCE FROM CENTER OF ROTATION (m)				
		1.5	3	4.5	6	7.5
HORIZON 920 SM-H 7 M	HEIGHT (m)					
	7.5		3,460			
	6			2,540		
	4.5			2,460	2,285	
	3		3,285	2,680	2,295	
	1.5		4,285	3,020	2,370	
	0	1,125*	4,865	3,215	2,345	
	-1.5	2,620*	4,525	3,010	1,960	
	-3		3,240	2,095		

		DISTANCE FROM CENTER OF ROTATION (m)				
		1.5	3	4.5	6	7.5
HORIZON 920 SM-H 7.6 M	HEIGHT (m)					
	7.5			2,290		
	6			2,310	2,110	
	4.5		3,195	2,565	2,180	
	3		4,195	2,925	2,290	1,520*
	1.5	770*	4,770	3,145	2,320	
	0	2,065*	4,495	3,015	2,110	
	-1.5		3,430	2,350		

### ROTOBEC LOCATIONS

CANADA EAST/  
INTERNATIONAL  
Sainte Justine, QC  
Tel: 418.383.3002

USA EAST, CENTRAL  
Littleton, NH  
Tel: 603.444.2103

USA SOUTH  
Dallas, TX  
Tel: 972.242.9516

USA/CANADA WEST  
Kelowna, BC  
Tel: 250.765.1161

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