

EVOLUTION
STATIONARY MOUNT

ROTOBEC
TOUGH HANDLING EQUIPMENT



A NEW STANDARD OF TOUGHNESS

UNBEATABLE STRENGTH. INCREDIBLE RESULTS.

The EVOLUTION brings a level of toughness and efficiency like you have never seen. This loader is a heavy duty alternative to our OPTIMAX, designed for customers in need of increased lift at a distance. With an additional 25-50 hp (100 hp) and 5 to 9 ft of standard reach (32 ft), the EVOLUTION is able to achieve incredible lift capacity while offering the same cost savings you get from the OPTIMAX. Thanks to its compact design and four available configurations, there is literally no limit to variety of applications or environments this loader will thrive in. Equipped with a load sensing control valve, hydraulic accumulator and the industry's most spacious cab, the EVOLUTION gives you everything you need to perform your best.

TOUGH HANDLING EQUIPMENT

TOTAL TOUGHNESS COMES STANDARD. Speed, precision, and agility, all packaged up into one tough handling machine.



EVOLUTION 960

31,290 LB MAX LIFT CAPACITY

45 INCH SLEWING RING

100 HP HIGH EFFICIENCY ELECTRIC MOTOR

4,200 PSI OPERATING PRESSURE

32 FT HEAVY DUTY BOOM (STANDARD)

100 GAL OIL TANK



EVOLUTION 970

39,380 LB MAX LIFT CAPACITY

63 INCH SLEWING RING

125 HP HIGH EFFICIENCY ELECTRIC MOTOR

4,200 PSI OPERATING PRESSURE

36 FT HEAVY DUTY BOOM (STANDARD)

150 GAL OIL TANK

EXTRAORDINARY EFFICIENCY

The EVOLUTION not only has outstanding strength and durability, but its high efficiency electric motor also makes it one of the most efficient loaders of its size. The EVOLUTION will continue to rise above the competition and outperform your expectations. Every application. Every time.

GREEN MACHINE

The EVOLUTION offers incredible cost savings. The high efficiency electric engine of the EVOLUTION uses roughly 15% of the energy required to run a similar sized diesel loader. Imagine what an 85% reduction in operating cost could do for your bottom line.

INTELLIGENT LOAD SENSING

The operational efficiency of the EVOLUTION gets another boost from the industry's most advanced and innovative load sensing system. Our load sensing system ensures that you have just the right amount of power you need at all times. No more. No less.

POWER LIFTER

The EVOLUTION packs a punch. What truly sets it apart from its smaller sibling is the ability to lift incredible amounts a significant distance from the loader. This feature makes it possible to remain stationary while achieving the same level of efficiency as a wheeled loader.

OPERATORS DREAM

The operator station of the EVOLUTION is a wonderful place to spend the day. Mounted on anti-vibration supports and available with heating, a/c and a fully pressurized cab, your operators will be comfortable in even the most extreme environments.

NO TIME FOR DOWNTIME

GUARANTEED QUALITY

At Rotobec, we proudly stand behind our loaders. Decades of rigorous quality and safety testing has gone into every machine we build in order to guarantee your satisfaction. We also manufacture and assemble every major component of the EVOLUTION in house to ensure that they meet our quality standards. Every Rotobec loader is built with one purpose: To outperform and outlast the competition.

SERVICE MADE SIMPLE

Machine downtime is a costly inconvenience and we have taken every measure to ensure that our customers experience as little as possible. Our expert team of Rotobec trained service technicians are conveniently located all across North America and have the knowledge, parts and technology to keep you up and running. We take great pride in providing our customers with the best service in the business.









VERSATILITY REDEFINED

The EVOLUTION is available with a lengthy list of features allowing owners to customize their loader to fit each unique requirement they may have. With four unique configurations available, there is no limit to possibilities. It's your loader, built the way you want it.

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

OPERATOR STATION

The cab of the EVOLUTION is the largest available. An ergonomic seat and optional heating and A/C offers comfortable place for your operator to spend their day. A pressurized cab can be added for extreme working environments.

STANDARD:

- Ergonomic seat
- Extra large cab (48" x 60")
- Mounted on shock proof frame
- Sliding side window
- Front wipers with washer fluid
- Cab fan
- Horn
- 4,000 W electric heater
- 12 v outlet
- Roof lights

OPTIONAL:

- Air conditioning
 - Tinted windows
 - Windshield protection grid
 - CB radio
 - am/fm/cd radio w/ dual speakers
 - Pressurized cab
-

ADDITIONAL OPTIONS

BOOMS:

- Hydraulic/dead heel for tree length wood
- LED Lights
- Work lights (directed sideways)
- Telescopic options

HYDRAULICS:

- Extra cooling
- Harsh environment package
- Cylinder protectors

OTHER:

- Anchor kit
- Grease system
 - Manual: centralized greasing points
 - Automatic: manually activated
 - Automatic: electrically activated
- Magnet
- Catwalk
- Saw

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 product let us know. Rotobec is open to any custom project and we are always looking for a new challenge.

EVOLUTION 960

KEY SPECIFICATION - EVOLUTION 960

| | |
|----------------------|---------------------------------------|
| Engine | 100 hp high efficiency electric motor |
| Rotation | Continuous 360° |
| Slewing ring | 45" outside diameter |
| Main boom, cylinder | 2 x 5" bore, 3" rod |
| Stick boom, cylinder | 6" bore, 3 1/2" rod |
| Operating pressure | 4,200 psi |
| Rotation speed | 8 rpm |

BOOM LENGTH OPTIONS - EVOLUTION 960

| | |
|----------|----------|
| Standard | 32' |
| Options | 27', 36' |

KEY SPECIFICATION - EVOLUTION 970

| | |
|----------------------|---------------------------------------|
| Engine | 125 hp high efficiency electric motor |
| Rotation | Continuous 360° |
| Slewing ring | 63" outside diameter |
| Main boom, cylinder | 2 x 5 1/2" bore, 3 1/2" rod |
| Stick boom, cylinder | 2x 5" bore, 3" rod |
| Operating pressure | 4,200 psi |
| Rotation speed | 8 rpm |

BOOM LENGTH OPTIONS - EVOLUTION 970

| | |
|----------|----------|
| Standard | 36' |
| Options | 32', 40' |

EVOLUTION 970

EVOLUTION 960 - LIFT CAPACITY (lb)

| | | DISTANCE FROM CENTER OF ROTATION (ft) | | | | | |
|------------------------|-----|---------------------------------------|-------|--------|-------|-------|----|
| | | HEIGHT (ft) | 10 | 15 | 20 | 25 | 30 |
| EVOLUTION 960 SM-X 32' | 35 | + | + | + | + | + | |
| | 30 | + | + | *10900 | + | + | |
| | 25 | + | + | 12180 | *9140 | + | |
| | 20 | + | + | 12370 | 11500 | + | |
| | 15 | + | 15500 | 13310 | 11840 | *8560 | |
| | 10 | 26420 | 18430 | 14670 | 12440 | 10830 | |
| | 5 | *13670 | 21190 | 15970 | 12990 | 10830 | |
| | 0 | *11080 | 22450 | 16620 | 13140 | 10360 | |
| | -5 | *14350 | 21680 | 16170 | 12460 | + | |
| | -10 | + | 18770 | 14120 | + | | |

*Lifting capacity is limited by stick boom hydraulic capacity.
 **Lifting capacities calculated at 100% operating pressure.
 ***Maximum load that must never be exceeded = 39380 lb
 -We reserve the right to change specification and improve our products without notice or obligation

EVOLUTION

FEATURES & OPTIONS

SWING SYSTEM - EVOLUTION 960/970

- Features
 - Joystick activated rotation
 - Pedal activated rotation (optional)
 - Limited rotation (optional)

CYLINDERS - EVOLUTION 960/970

- Features
 - Chrome plated tempered steel rod
 - Dual cylinders on main boom

POWER UNIT - EVOLUTION 960/970

- Features
 - 600 v, 3 phase, 60 Hz (Optional 480 V)
 - Electric panel w/ 2 x 15 A/ 120 v outlets
 - Thermostat oil coolerv
 - 100 gal oil tank (960) 125 gal oil tank (970)
 - 12 VDC outlet available

BOOM - EVOLUTION 960/970

- Features
 - Live and dead heels (optional)
 - Induction tempered, chrome steel pins with bronze bushings
 - 2 x 55 W lights on stick boom
 - Rectangular structure made of high tensile steel
 - 3.5" diameter heat-treated and chromed pins mounted on bronze bushings

HYDRAULIC SYSTEM - EVOLUTION 960/970

- Features
 - Variable displacement piston pump
 - Heavy duty hydraulic accumulator for structure protection

EVOLUTION 970 - LIFT CAPACITY (lb)

| | | DISTANCE FROM CENTER OF ROTATION (ft) | | | | | |
|------------------------|-----|---------------------------------------|--------|--------|--------|-------|----|
| | | HEIGHT (ft) | 10 | 15 | 20 | 25 | 30 |
| EVOLUTION 970 SM-X 36' | 35 | + | + | *12330 | + | + | |
| | 30 | + | + | 15500 | *13190 | + | |
| | 25 | + | + | 15110 | 14290 | *9480 | |
| | 20 | + | + | 15810 | 14520 | 13570 | |
| | 15 | + | 20610 | 17410 | 15320 | 13830 | |
| | 10 | 37790 | 25140 | 19580 | 16410 | 14310 | |
| | 5 | + | 29410 | 21650 | 17450 | 14740 | |
| | 0 | *6990 | 29510 | 22880 | 18060 | 14850 | |
| | -5 | *11280 | *26630 | 22760 | 17830 | 14270 | |
| | -10 | + | 27950 | 21020 | 16380 | 12360 | |

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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 | BRAZIL Curitiba, Paraná Tel: 41.98852.5999 |
|--|--|---|--|---|

