PURPOSE-BUILT FROM THE GROUND UP

MATERIAL HANDLER

Cummins QSB 4.5 Tier 4F
160 HP (119 kW)

Rubber Tired (M)
47,180 lb (21,400 kg)
Purpose-Built – To Suit Your Purpose

By building simply, we can build flexibly.

The design and manufacture of every SENNEBOGEN forestry and arborist machine begins with you, our customer, and the challenges you face every day. Our singular focus leads us to the simplest, most efficient engineering solutions.

To meet our commitment to customer needs, the ideal solution is to engineer machines that adapt easily to their intended purpose:

• Industry-standard service parts
• Intelligent hydraulics in place of complex electronics
• Robust structures matched to heavy loads and stresses
• Interchangeable attachments
• Operational safety
• Fuel efficiency

When you purchase a SENNEBOGEN machine, you’ll know it was purpose-built for you, from the ground up.

SENNEBOGEN 718 E
Custom-engineered tree care handler

The compact size of the 718 allows easy transport and efficient maneuvering in tight urban work sites.
Designed and Manufactured To Give You Total Confidence

Adaptability
The high-reach boom & stick of the 718 can quickly switch between a full range of grapple saws and attachments to complete all tree-care applications with one machine and one operator.

PG6

Safety First
SENNEBOGEN’s safety-first engineering leads the industry with ground-to-cab guarding, 360° visibility and safe service access.

PG8

Operator Comfort
The industry standard MaxCab puts you in the driver’s seat.

PG9

Efficiency & Economy
Designed for responsive, agile cutting and loading, the 718 achieves the most rigorous environmental goals while reducing operational costs for energy, downtime and service parts.

PG10

Serviceability
Virtually all daily maintenance on the 718 can be completed from ground level, with service components conveniently grouped and labeled for easy servicing.

PG12

Service & Support
America’s largest inventory of material handler service components and the best-trained dealer network ensures ready access to the parts and skills to keep your 718 up and running.

PG14

718 Specifications
Get all the details, specifications, dimensions, lifting chart and available options for the 718 unit.

PG16
### Highest safety and ideal overview - elevating cab

- With a 30° tiltable cab as a standard feature
- For use in environmentally sensitive areas with biodegradable fluids
- Additional hydraulics for high flow attachments with extra performance filtration

### Quiet operation

- Consistently quiet operation due to decoupled engine mounts and soundproofing in the doors

### High-capacity cooling

- Constant, reliable performance due to powerful fans and coolers

### OSHA-compliant

- Continuous 3-point contact access to upper deck with handrails and guarding from ground to cab

### Telescoping stick adds precision and control with total horizontal reach up to 43 ft. (13 m) and a vertical reach up to 45 ft. (13.7 m)

### Interchangeable saws, grapples for multiple tree care applications

### Easy to transport without special permits

### Stability built into undercarriage design; high ground clearance; low ground pressure

### Automatic lubrication

- Extend component life with no waste, no spill hazards

### Stable footprint

- The centered point of rotation for the swing bearing allows for 360° equal lift capacity when equipped with either outriggers or a combination of outriggers and a stabilizer blade

### Swinging limit

- The large-diameter slewing ring provides excellent cycle times and swing torque for large loads

### Reversible fan

- Closed circuit drive with axial displacement pump allows fast change between normal and reverse

### Upper cab

- Continuous 3-point contact access to upper deck with handrails and guarding from ground to cab

### Upper carriage

- OSHA-compliant continuous 3-point contact access to upper deck with handrails and guarding from ground to cab

### Longitudinal engine mount

- Allows improved balance, strength, service access and cooling efficiency

### Upper chassis

- All test ports are easily accessible in one place

### HydroClean filtration

- 3-micron oil filtering with 99.95% efficiency absorbs water, prevents acid generation

### Purpose-built design

- Designed specifically to ensure maximum efficiency and power outputs even under extreme conditions

### Complete servicing

- All parts are easily accessible from one side

### BOOM/STICK

- Purpose-built design
- Limit switches on the boom and stick cylinders prevent high pressure peaks to provide cushion for rod movement and prevent attachments from colliding with the cab

### Swinging limit

- The large-diameter slewing ring provides excellent cycle times and swing torque for large loads

### Limit switches

- Prevents the boom and stick from collapsing when in the down position

### Upper carriage

- OSHA-compliant continuous 3-point contact access to upper deck with handrails and guarding from ground to cab

### Longitudinal engine mount

- Allows improved balance, strength, service access and cooling efficiency

### Upper chassis

- All test ports are easily accessible in one place

### HydroClean filtration

- 3-micron oil filtering with 99.95% efficiency absorbs water, prevents acid generation
The Tree Care Specialist

- Landscape conservation, gardening and landscaping companies
- Urban forestry and tree care specialists
- Aboriculture
- Land clearing
- Municipalities
- Storm cleanup
- Roadside clearing maintenance
- Woodlot maintenance
- Golf course development

ADAPTABILITY
Health & Safety: The First Step To Productivity

The SENNEBOGEN 718 E brings a new standard of safety to urban forestry, arboriculture, storm clean-up, and woodlot maintenance. The 718’s 43 ft. (13 m) boom and simple, intuitive controls extend the arborist’s reach to perform a full range of cutting, pruning and handling tasks while working from the safety and comfort of the enclosed cab.

SENNEBOGEN is renowned as the industry leader in preventing downtime, and in protecting people. SENNEBOGEN works closely with the operators and technicians who know our equipment best, and we listen to their ideas to make our machines the safest on any jobsite.

The centered point of rotation for the swing gear minimizes tipping risk with either outriggers or outriggers and stabilizing blade.

All daily service is completed at ground level with easy access to all maintenance points.

Accessible safety switches including emergency shut-off, battery disconnect and travel alarm.

SAFE ACCESS TO THE UPPER DECK IS ACHIEVED WITH A PERMANENT 3-POINT CONTACT LADDER WITH RAILINGS. HANDRAILS AROUND THE UPPER DECK AND ANTI-SLIP WALKING SURFACES PROVIDE A SAFE WORKING ENVIRONMENT FOR SERVICE AND MAINTENANCE CREWS.

Interchangeable attachments provide a complete toolkit for every specialized need.

DUAL CAMERAS WITH VIEWS TO THE REAR AND TO THE RIGHT SIDE ARE STANDARD EQUIPMENT.

VERSATILE SAFETY SWITCHES INCLUDING EMERGENCY SHUT-OFF, BATTERY DISCONNECT AND TRAVEL ALARM.

SAFE ACCESS TO THE UPPER DECK IS ACHIEVED WITH A PERMANENT 3-POINT CONTACT LADDER WITH RAILINGS. HANDRAILS AROUND THE UPPER DECK AND ANTI-SLIP WALKING SURFACES PROVIDE A SAFE WORKING ENVIRONMENT FOR SERVICE AND MAINTENANCE CREWS.

SENNEBOGEN works closely with the operators and technicians who know our equipment best, and we listen to their ideas to make our machines the safest on any jobsite.

VERSUS MANY OTHER EQUIPMENT PROVIDERS, SENNEBOGEN OFFERS A COMPLETE RANGE OF VARIOUS OPTIONAL GUARDING PACKAGES TO MEET INDUSTRY SAFETY REQUIREMENTS.

INTERCHANGEABLE ATTACHMENTS PROVIDE A COMPLETE TOOLKIT FOR EVERY SPECIALIZED NEED.

Accessible safety switches including emergency shut-off, battery disconnect and travel alarm.

SAFE ACCESS TO THE UPPER DECK IS ACHIEVED WITH A PERMANENT 3-POINT CONTACT LADDER WITH RAILINGS. HANDRAILS AROUND THE UPPER DECK AND ANTI-SLIP WALKING SURFACES PROVIDE A SAFE WORKING ENVIRONMENT FOR SERVICE AND MAINTENANCE CREWS.

The Maxcab’s sliding door provides the safest entry and exit in the industry.

Intuitive joystick controls connect the operator seamlessly to the industry’s most responsive hydraulic system for precise, easy handling.

Ergonomic comfort and climate control features keep operators alert, adapting to individual preferences to fight fatigue through long shifts.

Various optional guarding packages available to meet industry safety requirements.
Good For The Environment. Easy On The Budget.

SENNEBOGEN 718 E Series material handlers lead a new generation of machines that are both cost-saving and environmentally-friendly.

Creating a truly “green” machine takes more than a new energy-saving device. Our “Green Efficiency” solution is built on layers of smart engineering and system innovations aimed at doing more with less. The 718 E Series material handlers reduce your costs and environmental footprint with multiple SENNEBOGEN initiatives.

Longitudinally mounted engines provide natural, flow-through cooling, while adding structural strength to the upper carriage from boom pin point to counterweight.

The large reversing fan provides up to 41% more of the cooling surface than comparable machines.

Eco-mode engine control automatically reduces engine speed to 1800 rpm.

3 WAYS TO SAVE ON DIESEL

The 718 E Series includes an automatic idling mode that reduces engine speed to 60% of working speed. The automatic stop function switches the engine off completely if no power is required in a specified time. With the new ECO mode switch turned on, the 718 operates normally but engine speed is reduced from 2200 rpm down to 1800 rpm.
Uptime By Design

To find out how to make SENNEBOGEN machines easier to maintain than any other material handler, we ask the experts...

...we talk to the technicians who actually service our equipment. Our own support team, our instructors, our dealers and customers are all in constant contact to troubleshoot problems and find permanent solutions. Even our senior management and the Sennebogen family take a hands-on approach to product improvement, meeting customer mechanics and operators in their own shops and yards.

Their innovative ideas help us to deliver machines that spend more time on the job, and less time in the shop.

SENtrack
SENtrack telematics allow detailed monitoring of the 718’s location, operating status and performance metrics from the shop or on the road.

SENCON
The advanced SENCON diagnostic and reporting system presents a multi-colored, user-friendly interface, now available in multiple languages.

SENNEBOGEN Uptime Kits, matched to specific service tasks and machines. Hundred of assorted parts, connectors, fittings, electrical components are easy to locate and access.

In the shop or in the field, these fully stocked kits bring together all the parts and material required for a specific service need, conveniently sorted and organized in one place.

SENtrack telematics allow detailed monitoring of the 718’s location, operating status and performance metrics from the shop or on the road.

Natural airflow through the engine compartment, uninterrupted from front to back, plus a large reversing cooling fan, lets your 718 start reliably and keep on running through any extremes of heat, cold or dusty conditions.

Test ports and service points are conveniently arranged together and within easy reach from ground level.

With hydraulic controls instead of electronics, the 718 requires no special software or “black box” components to troubleshoot your machine.

All the fuses and relays are grouped together in a centrally located box for easy access.

Solid steel top-opening compartment doors on the sides and top of the upper deck maintain a secure fit, even after repeated opening for service access.

SENtrack telematics allow detailed monitoring of the 718’s location, operating status and performance metrics from the shop or on the road.
Our Commitment To Your Business

SENNEBOGEN’s investment in service support is unmatched in the industry, providing the capabilities and resources to build success for our customers.

- Our headquarters in Stanley, NC is a 100,000 sq. ft. (9,300 m²) multi-purpose facility dedicated to supporting SENNEBOGEN material handlers throughout the Americas.
- Our large parts warehouse maintains inventories of service parts and replacement components for all of our fielded machines, from O-rings to engines and complete boom assemblies.
- Our coast-to-coast network of factory-trained distributors and technicians sets the industry standard for outstanding field service.
- SENNEBOGEN application specialists provide customers and dealer sales staff with expert insight into the unique challenges.
- Our in-house engineering services respond quickly to customer needs for unique solutions.

The dedicated Training Center in our North American head office complex provides primary and advanced courses. Offered free of charge for our dealers and their customers, the Training Center has working units, demonstration modules and is staffed with professional trainers each with many years of in-field experience and hands-on knowledge.

Visit us online at www.sennebogen-na.com/training

SENNEBOGEN’s 100,000 sq. ft. (9,300 m²) North American headquarters in Stanley, North Carolina include a massive parts warehouse and a dedicated training center.

SENNEBOGEN’s factories in Europe support the full range of capabilities for SENNEBOGEN to machine, fabricate and assemble all major components to our own standards, in-house. Pictured here is our main plant in Wackersdorf, Germany.

Purpose-Built Facilities

With our four manufacturing facilities in Europe, every step of production at SENNEBOGEN is planned to serve individual customer needs. Every critical component and process is completed in-house to assure quality, efficiency and flexibility on the production line.

- We fabricate our own booms and sticks
- Our line-up is based on a full line of interchangeable platforms
- Our plants are designed to customize each machine, built-to-order
- Your machine is fully inspected and live-tested before it leaves the factory

Purpose-built for America’s Best-Trained Technicians

The main demonstration bay allows hands-on access to machines while the meeting rooms and classrooms are all equipped with the technology required for today’s interactive instruction methods. Truly a center for developing excellence in service and support for dealer and customer personnel, the SENNEBOGEN Training Center has earned accolades for the quality of the instructors, facilities and materials.
718 M "E" Technical Specifications

**ENGINE**
- **Type:** Cummins QSB 4.5
- **Displacement:** 4.88 in (124 mm)
- **Fuel:** Diesel
- **Rated Output:** 187 HP (139 kW) @ 2200 rpm
- **Engine Type:** Turbocharged, charge air cooled
- **Control:** Integrated ECM
- **Lubrication:** Centralized
- **Fuel:** 87 gal (330 L)
- **Cooling:** Cool-on-demand, suction-type
- **Cooling Fans:** Thermostatically controlled
- **Filter:** High performance filtration with 3 micron dual filtration system (HydroClean)
- **Transmission:** Dual stage power shift transmission
- **Clutch:** Flywheel, springs, 4+4 speed
- **Brakes:** Disc, drum, 2+2 circuit servo brake system
- **Wheels:** 16x6.5 (30 mm)
- **Weight:** 47,180 lb (21,400 kg)

**HYDRAULIC SYSTEM**
- **Pump:** Swashplate-type, variable-displacement pump
- **Filter:** High performance filtration with 3 micron dual filtration system (HydroClean)
- **Control System:** Proportional, precision hydraulic
- **Filtration System:** High performance filtration system for work and travel systems
- **HYDRAULIC SYSTEM TYPE:** Load-sensing/LUDV hydraulic system
- **Operating Pressure:** 5076 psi (350 bar)
- **Operating Temperature:** 125°F (52°C)
- **Operating Weight:** 47,180 lb (21,400 kg)

**COOLING**
- **Type:** Cool-on-demand, suction-type
- **Pump:** Variable-displacement pump
- **Filter:** High performance filtration system for work and travel systems
- **Control System:** Proportional, precision hydraulic
- **Filtration System:** High performance filtration system for work and travel systems
- **Operating Pressure:** 5076 psi (350 bar)
- **Operating Temperature:** 125°F (52°C)
- **Operating Weight:** 47,180 lb (21,400 kg)

**TRAVEL / UNDERCARRIAGE**
- **Differential:** 2-speed, 4-wheel drive
- **Clutch:** Flywheel, springs, 4+4 speed
- **Brakes:** Disc, drum, 2+2 circuit servo brake system
- **Wheels:** 16x6.5 (30 mm)
- **Weight:** 47,180 lb (21,400 kg)

**UPPER CARRIAGE**
- **Inside:** Safety warning lights, 2 hydraulic servo joysticks
- **Outside:** Heavy duty grapple saw .47 yd³ ( .36 m²)
- **Paint:** Primed 500 / 5400: 2

**WEIGHT**
- **Operating Weight:** 47,180 lb (21,400 kg)

**ATTACHMENTS**
- **Standard Equipment:**
  - Additional cameras
  - Additional light package
  - Polycarbonate side windows
  - Bullet proof windshield
  - Skylight protection guard
  - Windshield protection guard
  - Safety lever
  - Emergency exit hammer
  - Windshield wiper and washers
  - 12 V / 24 V power outlet
  - Sliding door
  - Halogen light package on cab roof
  - Multicolor Monitor
  - SenCon diagnostic system
  - Removable floor mat
  - AM / FM Radio with Bluetooth & speakers
  - Door window as sliding window
  - Tinted windows with safety glass
  - Fire extinguisher
  - Large cup holder
  - Storage area for lunch box
  - Air outlets w / defroster
  - Automatic climate control (heater / AC)
  - 30° tilting cab system
  - Hydraulic elevating cab system E270
  - Hydraulic system for work and travel systems
  - Hydraulic system for work and travel systems

**STANDARD EQUIPMENT - 718 M “E”**

**STANDARD EQUIPMENT - 718 M "E"**

**OPTIONAL EQUIPMENT - 718 M "E"**

**PURPOSE-BUILT MATERIAL HANDLER**
718 M “E” Dimensions
with 4-point outrigger

718 M “E” Transport Dimensions

All load ratings are in pounds and values in ( ) are stated in kg. The values apply at the end of the stick, without attachment, on solid level ground. The specified values are 75% of the static tipping load or 87% of the hydraulic lifting force in accordance with ISO 10567. In accordance with EU standard EN 474/5, material handlers used for hoisting must be equipped with pipe fracture safety devices on the hoist cylinders and an overload warning device. Load ratings apply to a machine with outrigger and for 360° slewing.
OUR COMPLETE LINE OF
PURPOSE-BUILT
MATERIAL HANDLERS