

Thinking Beyond the Machine



SENNEBOGEN®



B25E

PURPOSE-BUILT MATERIAL HANDLER

 Cummins QSB 6.7, Tier 4F
197 HP (145 kW)



Rubber Tired (M) - 57,600 lbs (26,120 kg)
Crawler (R-HD) - 72,300 lb (32,800 kg)



One Model: Many Choices

The SENNEBOGEN 825 is offered with a complete range of mobile and stationary undercarriages to provide the best fit for your operation and related equipment. The adaptability of the 825 diesel power and/or electric drive with multiple boom configurations allows customers to choose the right model to achieve their production goals without the added cost of custom engineering.

QUICK SPECS		825 M RUBBER TIRED	825 R-HD CRAWLER TRACKS
Net Power		197 HP (145 kW)	197 HP (145 kW)
Operating Weight		57,600 lbs (26,120 kg)	72,300 lb (32,800 kg)
Magnet System		15 kW	15 kW
Max reach		45' 11" (14 m)	45' 11" (14 m)

Technical Specifications - 825 M “E”

ENGINE	
model	Cummins QSB 6.7
type	in-line, 6 cylinder, cooled exhaust gas recirculation, water cooled
emission	EPA Tier 4 Final
net power	197 HP (145 kW) @ 2000 rpm
injection	high pressure common-rail
displacement	6.71 L (408 cu.in.)
bore	4.49 in (114 mm)
stroke	5.69 in (145 mm)
aspiration	turbo charged, charge air cooled
fuel tank	118 gal (450 L)
air filtration	direct flow filtration system dual stage filter with pre-filter
control	integrated ECM automatic idle – stop eco mode
HYDRAULIC SYSTEM	
system type	LUDV load sensing pilot pressure controlled open center
pump type	variable displacement axial piston pump
max. pump flow	108 gpm (410 l/m)
max. pressure	5,076 psi (350 bar)
hydraulic tank	82 gal (310 L)
filtration	dual filtration system 3 micron (HydroClean)
COOLING	
cooling type	cool-on-demand, suction-type fan system, side by side
hydraulic / water	hydraulic fan drive axial piston pump, reversible fan thermostatically controlled, closed loop system
charge air	direct fan drive

ELECTRICAL	
alternator	120 V/Ah
starter	24 V, 7.8 kW
battery	2 x 24 V, 155 Ah
lights	2 x cab roof, type halogen 2 x frame upper carriage, type H4
SWING SYSTEM	
swing speed	0 – 8 rpm
swing hydraulic	open loop
drive	1 x axial piston motor driving planetary gearbox, integrated brake valves
swing brake	multidisc brake, spring loaded
swing bearing	internal teeth, sealed ball bearing
UPPER CARRIAGE	
design	torison-free upper frame with continuous bearing-plates for optimal power introduction, precision pivot; excellent design; very low noise emission
TRAVEL / UNDERCARRIAGE	
type	rubber tired MP26E
drive system	all-wheel drive variable displacement motor with dual stage power shift transmission
travel speeds	1 st 0-4.35 mph (0-7 km/h) 2 nd 0-12.43 mph (0-20 km/h)
tires	8 x 12.00-20 (solid rubber)
steering	joystick steering
front axle	oscillating with hydraulic lock, integrated safety check valves
rear axle	fixed
service brake	disc brake
parking brake	multidisc brake spring loaded
safety	travel alarm

REFILL CAPACITIES	
fuel tank	126 gal (480 L)
engine cooling system	13.2 gal (50 L)
engine oil w / filter	3.7 gal (14 L)
hydraulic tank	82 gal (310 L)
hydraulic system	180 gal (680 L)
axle hub (front axle)	2.9 gal (11 L)
axle hub (rear axle)	3.7 gal (14 L)
axle transmission	0.8 gal (3.0 L)
central lubrication reservoir	5.5 lb (2.5 kg)
diesel exhaust fluid	7.9 gal (30 L)
MAGNET SYSTEM	
rating	15 kW
voltage (magnetized)	230 V
current (cold condition)	39 Amps
drive	hydraulic
WEIGHT	
operating weight	57,600 lbs (26,120 kg)

Subject to technical modification.

Standard / Optional Equipment - 825 M “E”

ENGINE	
Water separator in fuel line	●
Automatic idle / engine stop control	●
Eco mode	●
Air filter pre-cleaner	●
Visual fuel tank check	●
Heated water separator	●
Engine block pre-heater	○
ELECTRIC	
Battery disconnect switch	●
Centralized fuse box	●
Battery jump start connection from ground level	●
HYDRAULIC	
Pilot pressure controlled variable displacement pump	●
Thermostatically controlled cooling system	●
Centralized hydraulic test ports	●
Protection covers for pilot pressure control valves	●
3 micron dual filtration system (HydroClean)	●
Load sensing, flow on demand hydraulic system	●
Optimized hydraulic pump regulation (GLR)	●
Visual hydraulic tank check from ground level	●
Attachments open, close & rotation hydraulics	●
Hydraulic tank shut off valve	●
Electrical hydraulic tank pre-heater	○
Biodegradable hydraulic oil	○
Hydraulic circuit for scrap shear	○
Hydraulic circuit for hammer, breaker	○
Additional hydraulic circuits	○
UPPER CARRIAGE	
Rearview & right side view camera system	●
Automatic lubrication system	●
Anti-slip mats on walking area	●
Lockable side doors	●
Handrails on top of upper carriage	●
Mirror left side	●
Turning signal lights in upper carriage frame	●
Removable panels	●
Additional light package	○
Custom colors	○
Seawater paint coating	○
SWING SYSTEM	
Automatic lubrication system	●

OPERATOR'S CAB (Maxcab Industry)	
Hydraulic elevating up and out cab E270	●
Multi-adjustable, air suspended operator's seat	●
3" (76 mm) seat belt	●
Seat heater	●
Automatic climate control (heater / AC)	●
Air outlets w / defroster	●
Storage area for lunch box	●
Large cup holder	●
Fire extinguisher	●
Tinted windows with safety glass	●
Door window as sliding window	●
Radio with USB and SD port, MP3 and Bluetooth	●
Removable floor mat	●
SenCon diagnostic system	●
Multicolor Monitor	●
Tilt out front window	●
Halogen light package on cab roof	●
Mechanical hour meter	●
Sliding door	●
Catwalk w / handrail	●
12 V / 24 V power outlet	●
Windshield wiper and washers	●
Emergency exit hammer	●
Safety lever	●
Sun shades	●
Interior lighting	●
Rain cover front window	●
Outside mirror	●
Optical and acoustic warning system	●
Positive filtered ventilation (pressurized cab)	●
Safety check valves for elevating cab cylinder	●
Foot rest	●
Bulletproof windshield	●
Bulletproof skylight	●
Windshield protection guard	○
Skylight protection guard	○
Skylight FOPS guard	○
Polycarbonate side windows	○
Additional light package	○
Fixed cab elevation	○
Steering column instead of joystick steering	○
Steering column in combination with joystick steering	○
Additional cameras	○

UNDERCARRIAGE	
Robust designed material handling undercarriage	●
Heavy-duty axles	●
Solid rubber tires 12.00-20 (8x) Incl. intermediate ring	●
Front axle automatic oscillating axle unlock (travel position)	●
Dual stage power shift transmission	●
Drivetrain protection guards	●
Travel alarm	●
Centralized lubrication points	●
Servo brake system	●
4-point outriggers	●
Integrated safety check valves in outrigger cylinders	●
Tool and storage compartments, lockable	○
Individual outrigger control	○
Towing hitch package	○
Pneumatic tires 10.00-20 (8x)	○
WORKING EQUIPMENT	
Purpose-built material handling boom	●
Purpose-built material handling stick	●
Attachment hydraulic line connections with ball valves	●
Safety check valves for stick cylinders	●
Safety check valves for boom cylinders	●
Cylinder end position dumping	●
Bronze bushings connected to automatic lubrication system	●
Stick limitation	●
Boom hoist limitation	●
LED light package boom	○
LED light package stick	○
Purpose-built material handling stick with reversing linkage	○
Purpose-built material handling boom for scrap shears	○
MAGNET SYSTEM	
Hydraulic driven generator	○
Magnet controller	○
Magnet suspension link	○
ATTACHMENTS	
Orange peel grapple	○
Mag grapple	○
Clamshell	○
Magnet	○
Log grapple	○
Scrap shear	○
Power attachment	○
Live heel / dead heel	○

Standard Equipment ● Optional Equipment ○

Subject to technical modification.