

## Standard Machine Configuration

List Price US\$

► <b>SENNEBOGEN 821 R-HD "E" series</b>	<b>\$ 468,900</b>
<b>Engine</b>	
► Cummins B4.5 diesel engine (4 cylinder) with direct injection, water cooled (TIER 4f emission) ► Engine output 165 HP (123 kW) @ 2,200 rpm ► Turbo Intercooler & water cooler hydraulically driven, reversible ► Automatic idle-stop control and eco-mode for diesel engine	
<b>Hydraulic System</b>	
► Computer free, state-of-the-art load-sensing with flow-on-demand control ► Hydraulic cooler hydraulically driven, reversible ► Hydro-Clean filtration system with water absorption and contamination indicator	
<b>Upper Carriage &amp; Swing System</b>	
► Torsion free, precisely machined upper carriage frame ► High torque axial piston swing motor ► Large dimensioned, internal teeth swing bearing ► Automatic central lubrication system for upper carriage and swing bearing ► Handrail on top of upper carriage ► Fire extinguisher set (1x cab, 1x storage compartment) - brackets installed, extinguisher shipped separate to dealer ► Light Package consisting of: 2x halogen in cab roof, 2x in frame	
<b>Operator's Cab "maXCab"</b>	
► Hydraulic elevating cab system "E270" (elevation: 8'8") ► Catwalk with handrail beside cab ► "maXCab" with sliding door and door window as sliding window, sunshade, floor mat ► Skylight of bullet proof glass ► Windshield of bullet proof glass (fixed / no tilt out) ► Front & top cab protection guard ► Automatic climate control with AC, heater and defroster ► AM/FM radio with MP3/Bluetooth ► SENCON visual and acoustic diagnostic system for monitoring all essential machine functions ► Air suspended and adjustable operator's seat incl. armrests, seat heater, headrest, seat belt ► Camera system with display in cab ► LED light package on cab, rear ► Operator's & Maintenance manual incl. hydraulic & electric schematics (1x print / 1x digital) ► Spare Parts catalogue (1x print / 1x digital)	
<b>Working Equipment</b>	
► K11 - reach 36' / purpose built material handling working equipment ► straight material handling boom 20'8", with end stop monitoring system and limit switches ► straight material handling stick 15'1", with end stop monitoring system and limit switches ► Boom & Stick cylinders equipped with safety check valves and end position dumping ► Light Package consisting of: 1x at boom, 2x at stick ► Attachment open/close and rotate hydraulic circuits and lines installed up to the end of the stick (ball valves)	
<b>Under Carriage</b>	
► Crawler under carriage R25 with fixed tracks ► Maintenance free crawler B4HD with hydraulic chain tension device ► Steering via two foot pedals / hand levers ► Triple grouser track shoes (canted), width 23.6" / 600 mm ► Independently operated tracks driven by integrated axial piston motor via planetary gear ► Safety parking break with spring-loaded, hydraulic multiple disc brake ► Audible travel alarm while driving machine (forward & backward)	
<b>Magnet System</b>	
► 10 kW magnet system, hydraulic driven ► Plug in front of stick to hook up magnet, magnet connection cable in under carriage tool box	<b>\$ 23,290</b>
<b>DEALER LIST PRICE</b> (ex east coast port or storage location)	<b>\$ 492,190</b>
<b>Delivery Surcharge:</b>	
shipments gulf coast port, e.g. Galveston, TX or Veracruz, Mexico (dealer net)	\$ 2,730
shipments west coast port, e.g. Port Hueneme, CA or Tacoma, WA (dealer net)	\$ 5,410

**Optional Machine Equipment** (\*\*Option shown is only available as a new factory installation - US retrofit is not possible)

Magnet Suspensions (ex Stanley, NC)		
▶ Magnet suspension link inclusive shackle	\$	4,010
Orange Peel Grapples (terms see attachment price list)		
▶ SENNEBOGEN orange peel grapple, 0.50 yd <sup>3</sup> , 4 tine, semi-closed, OP4-050SEN-S-RT502 (incl. hanger & hoses)	\$	42,350
▶ SENNEBOGEN orange peel grapple, 0.75 yd <sup>3</sup> , 4 tine, semi-closed, OP4-075SEN-S-RT502 (incl. hanger & hoses)	\$	43,970
▶ SENNEBOGEN orange peel grapple, 0.52 yd <sup>3</sup> , 5 tine, semi-closed, OP5-040SEN-S-RT502 (incl. hanger & hoses)	\$	47,720
Hydraulic System		
▶ **Additional bar saw slasher hydraulic w/ connections at the under carriage (ball valves)		on request
Live and Dead Heels (for logging applications)		
▶ **Dead heel HD-25SEN kit in combination with ULS (incl. heel, pins), dealer installation	\$	4,970
▶ **Live heel HWG-25SEN kit in combination with ULS (incl. cylinder, heel, hoses   excl. hydraulics), dealer installation	\$	23,780
Engine		
▶ Electric refueling pump with level shut-off	\$	2,220
▶ **Cummins QSB4.5 diesel engine (4 cylinder) with direct injection, water cooled (TIER 4f emission) not valid for USA	deduct \$	(28,930)
Hydraulic System		
▶ Bio degradable hydraulic oil instead of standard hydraulic oil (PANOLIN HLP Synth 46)	\$	7,030
▶ **Live heel hydraulic including hydraulic, controls and hoses to boom head	\$	11,150
Operator's Cab "maXCab"		
▶ **Fixed cab elevation system "E150" (Box style - elevation: 4'11") Hydraulically tilting for transport / incl. catwalk beside cab	\$	11,180
▶ **Fixed cab elevation system "E200" (Box style - elevation: 6'6") Hydraulically tilting for transport / incl. catwalk beside cab	\$	17,570
▶ Strobe light mounted on cab	\$	890
▶ Right, left and door window of shatter-proof lexan (polycarbonate)	\$	3,130
▶ Windshield Wiper for lower glass	\$	1,330
▶ Additional Camera; please define location (in addition to existing cameras, maximum of 4 total possible)	\$	1,000
▶ French operator's manual, maintenance manual & spare parts catalogue (1x print / 1x digital)	\$	1,010
▶ Spanish operator's manual, maintenance manual & spare parts catalogue (1x print / 1x digital)	\$	1,010
Working Equipment		
▶ K9 - straight boom 17'9" / straight stick 13'1" (ball valves)	deduct \$	(9,020)
▶ K12 - straight boom 23'4" / straight stick 16'9" (ball valves)	\$	7,330
▶ **K11 ULM - straight boom 21' / straight stick 13'9" incl. cylinder, linkage and hydraulics (ball valves)	\$	9,700
▶ **K9 ULS - straight boom / straight universal logging stick (for heel applications, for live heel please add hydraulics & heel)	\$	5,890
▶ **Boom floating device (recommended for barge unloading - note: the boom will raise when the grapple closes)	\$	4,030
Low Temperature		
▶ Low temperature package consisting of: > electric pre-heating engine block > electric pre-heating hydraulic tank > electric pre-heating water separator > one plug 110 V outside of machine	\$	9,950