

## Standard Machine Configuration

List Price US\$

► <b>SENNEBOGEN 870 M "E" series   green hybrid</b>	<b>\$ 1,796,550</b>
<b>Engine</b>	
► Cummins X12 diesel engine (6 cylinder) with direct injection, water cooled (TIER 4f emission) ► Engine output 350 HP (261 kW) @ 1,800 rpm ► Turbo intercooler direct driven ► 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, external teeth swing bearing with removable protection cover ► Automatic central lubrication system for upper carriage ► Manual pinion lubrication system for 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 "E300/260" (elevation: up 9'10" & out 8'6") ► Catwalk with handrail beside cab ► "maXCab" industry with bullet proof windshield and skylight and large floor window, no tilt out for windshield ► 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 (1x to rear, 1x to right side) ► 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>	
► K18 - reach 59' / purpose built material handling working equipment ► Straight boom, with green hybrid system, end stop monitoring system and limit switches ► Straight stick, 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>	
► Rubber tired under carriage MP80E with 4-point outriggers ► Individual control of 4-point outriggers ► Automatic unlock of oscillating axle if upper carriage in longitudinal direction to under carriage ► Solid rubber tires 26.5-25 (4 units) ► Steering via joy stick, front wheel steering ► All wheel drive via two variable hydraulic motors direct mounted on each axle ► Protection guard for hydraulic drive motors ► 2-circuit servo brake system with additional safety brake ► Centralized lubrication points (front & rear) for lubrication of under carriage components ► Audible travel alarm while driving machine (forward & backward) ► Tool box w/ basic tools, stick pin, grease gun, wheel chock, green & gray touch up paint located in under carriage tool box	
<b>DEALER LIST PRICE</b> (ex east coast port or storage location)	<b>\$ 1,796,550</b>
<u>Delivery Surcharge:</u>	
shipments gulf coast port, e.g. Galveston, TX or Veracruz, Mexico (dealer net)	\$ 11,280
shipments west coast port, e.g. Port Hueneme, CA or Tacoma, WA (dealer net)	\$ 26,340

**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	\$	5,210
Orange Peel Grapples (terms see attachment price list)		
▶ SENNEBOGEN orange peel grapple, 2.50 yd3, 4 tine, semi-closed, OP4-250SEN-S-RT1002 (incl. hanger & hoses)	\$	64,320
▶ SENNEBOGEN orange peel grapple, 3.00 yd3, 4 tine, semi-closed, OP4-300SEN-S-RT1002 (incl. hanger & hoses)	\$	80,400
▶ SENNEBOGEN orange peel grapple, 3.50 yd3, 4 tine, semi-closed, OP4-350SEN-S-RT1002 (incl. hanger & hoses)	\$	82,310
▶ SENNEBOGEN orange peel grapple, 4.00 yd3, 4 tine, semi-closed, OP4-400SEN-S-RT1002 (incl. hanger & hoses)	\$	96,760
▶ SENNEBOGEN orange peel grapple, 5.00 yd3, 4 tine, semi-closed, OP4-500SEN-S-RT1202 (incl. hanger & hoses)	\$	110,020
Engine		
▶ Electric refueling pump with level shut-off	\$	2,290
▶ <b>**Cummins QSM11 diesel engine (6 cylinder) with direct injection, water cooled (TIER 3 emission) not valid for USA</b>	deduct \$	(29,400)
Hydraulic System		
▶ Bio degradable hydraulic oil instead of standard hydraulic oil (PANOLIN HLP Synth 46)	\$	18,630
Operator's Cab "maXCab"		
▶ <b>**Fixed cab elevation system "E150" (Box style - elevation: 4'11") Hydraulically tilting for transport / incl. catwalk beside cab</b>	\$	11,180
▶ <b>**Fixed cab elevation system "E200" (Box style - elevation: 6'6") Hydraulically tilting for transport / incl. catwalk beside cab</b>	\$	17,570
▶ Right, left and door window of shatter-proof lexan (polycarbonate)	\$	3,130
▶ Windshield Wiper for lower glass	\$	1,330
▶ Strobe light mounted on cab	\$	890
▶ 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		
▶ K20 - reach 65'7" / straight boom 38'8" / straight stick 28'10" (ball valves)	\$	19,730
▶ K22 - reach 72'2" / straight boom 41' / straight stick 35'5" (ball valves)	\$	19,730
▶ K25 - reach 82' / straight boom 45' / straight stick 40'4" (ball valves)	\$	19,730
▶ B21 - reach 68'11" / bent boom 44'3" / straight stick 32'2" (ball valves)	\$	29,640
▶ B24 - reach 78'9" / bent boom 44'3" / straight stick 40'4" (ball valves)	\$	43,600
▶ <b>**Boom floating device (recommended for barge unloading - note: the boom will raise when the grapple closes)</b>	\$	4,030
Low Temperature		
▶ Low temperature package consisting of:	\$	10,860
> electric pre-heating engine block		
> electric pre-heating hydraulic tank		
> electric pre-heating water separator		
> one plug 110 V outside of machine		
Magnet System		
▶ 33 kW Baldor generator, hydraulic driven with Hubbell controller	\$	65,060