SENNEBOGEN

SENNEBOGEN Maschinenfabrik GmbH

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Customer No.	Customer Reference No.			Delivery Note No.	Date
15080	16592			210078	02.03.2016

Delivery Note

Order No.: **821-M-912971-01**
Machine No.: **821.0.2221**
Typ (Model): **821**

Engine No.: 22194937 01/16

Article No.	Unit	Description
12664	1	SENNEBOGEN Materials Handling Machine 821 M - green line - series E - Tier 4i / IIIb - Special materials handling machine in very robust configuration with first class quality components - CUMMINS Engine QSB 4.5 - C130, 97kW/2200 rpm, emissions according to US EPA Tier 4i/EU stage IIIb, watercooled including electrically heated water separator with fuel prefilter 24V - SENNEBOGEN MAXCAB - cab with sliding door, resiliently mounted large-capacity operators' place, with exceptional sound insulation, large-capacity compartment with excellent all-round visibility and new ergonomic designed control panels, tinted safety glass, front tilting window, skylight, wiper/washer system for front window, 2 halogen lights integrated in the front of the roof. - very solid boom kinematics and special material handling kinematics - service friendly arrangement of set of machines - State-of-the-art efficient hydraulic system using load sensing/LUDV technology - Powerful slew drive with large dimensioned slewing ring - tool kit
10604	1	Heating- Climateautomatic (air condition) with central control elements, outside air and circulating air stages, with particle filter, defrost circuit, adjustable air vents for optimum work environment.
10605	1	automatic idle speed stop for diesel engine
10606	1	eco-mode for diesel engine
11389	1	Air filter pre-cleaner, precleans approx. 98% of abrasive smut to increased life span of air filter

Article No.	Unit	Description
11168	1	Emergency control function to ensure machine availability for limited operations by bridging all electro-hydraulic controls
10607	1	SENNEBOGEN control & diagnostic system SENCON
10972	1	Counter rotation of cooler ventilator to blow out cooler
10608	1	Air suspended operator´s seat with support for intervertebral disc, seat heating, safety belt and headrest for driver´s seat
10609	1	Camera system - base package with 2 cameras includes 1 colour monitor 7´´, monitor with 4-way split, up to 4 cameras expandable, 2 cameras with 115° field viewing angle for - rear view camera - right side of the machine
11379	1	Automatic central lubrication for equipment and slewing ring raceway
10610	1	Lighting system 1: 2 pcs. H4 headlights mounted in the uppercarriage-frame on the front side left and right, 2 rear lights and 2 halogen lights integrated in the left front side of the cab roof. H3 service headlights 70W 1 pc. at motor side and 1 pc. at cab side mounted.
10611	1	Please check your operational conditions and possible hazards at operation site of the machine. We recommend protection devices for the cab (e.g. protection guards for skylight, safety glazing etc.) when hazards can occur by stones/parts flying around or falling down from above etc.!
10968	1	SENNEBOGEN MAXCAB large capacity comfortable operator´s cab with sliding door
10612	1	cab elevation type E270 for SENNEBOGEN MAXCAB, infinitely adjustable up to 2.7m via hydraulics
10613	1	Joystick-steering
10615	1	quick change couplers (bolted type) with counterpieces for grab open/close and grab rotating
10616	1	Standard paintwork: Upper structure, boom RAL 6018 green, cab RAL 7038 and undercarriage RAL 7022 grey
10617	1	operations and maintenance manual in duplicate, in German or English language
10618	1	spare parts list in duplicate, in German or English language
10619	1	Wheeled undercarriage MP21E with 4-point-stabilizers PAH4, strong 36 t special axles and strong all-wheel-travel drive with two-stage powershift transmission Attention: In combination with electric motor a 1-axle-travel drive is integrated instead of the all-wheel-travel drive
10623	1	Solid rubber tires, 10.00-20 (8 units) with intermediate ring
10629	1	Individual control of the stabilizers Attention: Absolutely necessary in case of combination 2-point-stabilizers with blade front or rear
10686	1	SENNEBOGEN Hydro-Clean: Hydraulic micro filter system with water absorption contamination indicator (higher oil purity and extended oil service life), equipment recommended especially when biodegradable oil is used
10694	1	Grated step on side of cab with hand rail (bolted)
10695	1	Multi-functional armrest for driver´s seat (product Aguti Command) Ergonomically adjustable armrest, versatile adjustable for every situation and physique (height-adjustable, swivelling sidewise, angle-adjustable, armrest slidable) instead of standard armrest
10699	1	windscreen wiper for lower cabin front window with washer system
10703	1	Sun protection for skylight
10704	1	Sun protection for front windscreen
10707	1	Cab front windscreen in bullet proof glass version, fixed glazing
10709	1	Skylight of bullet proof glass, fixed glazing
10712	1	Radio with CD-Player
10713	1	Charcoal filter for MAXCAB, 5 set loose enclosed

Article No.	Unit	Description
		(5 pieces for recirculating air and 5 pieces for external air)
11092	1	Special materials handling boom type K11 ULM consisting of: compact boom 6.3m straight and grab handling stick 4.2m straight with ULM reversing mechanism (for fitting of attachments such as waste sorting grabs, concrete crushers, etc.). ATTENTION: additional hydraulic circuit for attachment for using ULM - e. g. sortating grab - necessary (please order) End position shut off for stick in function, safety check valves for boom and stick cylinders The latest issue of accompanying working diagram is valid.
10733	1	ATTENTION: 1. In case of mounting different working tools, use the enclosed list and under www.sennebogen.com to specify detailed technical data for the working tools (integral part of contract). This is necessary to provide the correct programming for the Tool Control ex works. 2. Please describe also exactly, with schematic drawing, how the operation of the equipment has to be controlled by the operator from the cabin. 3. Posterior changes or the programming of other or additional tool adjustments in the Tool Control will be made by the SENNEBOGEN Service Partners, after receipt of corresponding order. 4. Included in this delivery are the described hydraulic installations. Boom with bucket cylinder ULM etc. are not included. 5. Attention: only 1 hydraulic package is selectable – combination is not possible.
10734	1	(1b) Grab operation and bucket cylinder ULM for bucket and grab operation consisting of: standard hydraulics for operation of grab with fixed oil quantity and oil pressure. Additional hydraulic valve and additional piping for operation of the bucket cylinders ULM. - appropriate for various grabs, sortation grab (without side swing function).
10746	1	Lighting system 3 LED equipment: 1 pc. LED headlight mounted on the compact boom down side and 2 pcs. LED headlights mounted on both sides of the stick in upper position (in addition to system 1 or 2)
10747	1	Lighting system 4 LED cab: 1 pc. LED headlight mounted on the cab roof right side heading backwards (in addition to system 1,2 or 3)
10748	1	One rotating beacon at the cab
10755	1	Electric preheating for hydraulic tank, 230V / 50Hz via electric heating rod, with socket on the upper carriage for connection to an external power supply (in combination with electric engine 400V / 50Hz power supply)
11166	1	Jump start connection
8318	1	Electric motor preheating 230V, only for coolant
8319	1	Socket 230V in cabin for fan heater provided by the customer power supply by electric engine preheating
8394	1	Battery disconnecting switch outside of upper carriage

Special

Article No.	Unit	Description
7509	1	S-D20H-1000 Kinshofer demolition and sorting grab; grab contents 450 liter; shell type with filter rips; self-weight with integrated adapter for direct mounting, without stick pin and piping: 1065 kg; for material of bulk density up to 2,6 t/m³; hydraulic rotatable, with hydraulic hoses and quick couplings as well as grab suspension in extra low version for direct monting; colored in RAL

Article No.	Unit	Description
		7022; for use with: 818, 821 Attention: The order of working equipment is binding and cannot be cancelled or changed. Attention: Grab size must be aligned with the material and the load capacity of the machine. Scope of delivery incl. grab suspension and grab hoses. Net price ex works Straubing/Wackersdorf:
2404	1	In addition to the German or English operations and maintenance manual a translation of the operations and maintenance manual in the following language will be delivered: swedish

Terms of delivery FCA Wackersdorf, Oskar-von-Miller-Str 1-5, Germany according to Incoterms® 2010

Statistic No. 84289090

Place of performance and jurisdiction: Straubing

Origin: European Community / Federal Republic of Germany

Safety of Machinery:
The operation safety of the machine and the safety of the user is only guaranteed when using the machine as defined in the operation manual.

It is clearly agreed that the Terms of Delivery and Payment in its latest revision are the legal basis of our business relation. The Terms of Delivery and Payment of the SENNEBOGEN Maschinenfabrik GmbH are available on request or may be seen on our Website (www.sennebogen.de).

Maschinen-Nr. / Machine No.: 821.0.2221

Auslieferdatum /date of delivery: 03.03.2016

Unterschrift Versand / signature shipping department: [signature]

Lieferumfang komplett / complete delivery: ☒ ja / yes ○ nein / no

Maschinendokumentation / documentation of machine: ○ ja / yes ☒ nein / no

Geladene Positionen:
Loaded positions:

1 Materialumschlag Maschine inkl.
2 Satz Schlüssel (1 Bund)
1 Palette Kinshofer Sortiergreifer S-D20H-1000 / Serien-Nr. BG00023

Fehlende Positionen:
Missing positions:

Ladungssicherung in Ordnung

Verlader: [signature]

Fahrer: D. Bertram

Spedition (Namen eintragen) / Forwarder (insert name): BERTRAM

LKW-Kennzeichen / License number of truck: SLK-LL 540 / SLK-LL 545

Sendung ordnungsgemäß übernommen (Spediteur) / Consigment duly taken over (forwarder):

Datum / date: 03.03.2016 Unterschrift / signature: D. Bertram