VK8818, 75kW FU, 3x400V / 50Hz 63014321

used fully automatic, electro-hydraulic channel baling press VK 75 FU

****the press includes a conveyor system with article no. 9999P05180G05142. Please make sure to include this when placing the
order (includes in price)****

- year of construction 2022

Technical data
- Main driving power 90 kW
Motor efficiency IE3 acc. IEC Norm 60034/30
*alternative - reduced, frequency controlled *75 kW FU main driving power - see additional equipment)
Motor efficiency IE4 acc. IEC Norm 60034/30
- Total driving power depends on accessories
- Voltage / Frequency 3 x 400 V / 50 Hz + N + PE
- Pressing power 880 / 990 kN
- Specific pressing power 107 / 120 N/cm²
- Pump capacity 700 / 788 (FU) l/min
- Tank content 2000 / 1250 (FU) l
- Loading aperture (W x L) 970 x 1800 mm
- Bale / channel cross section (W x H) 1100 x 750 mm
- Bale length continuously adjustable 400 - 1600 mm
- Bale weight with 1200 mm length approx. 500 - 700 kg respectively standardised per m³ approx. 500 - 700 kg (each depending on material)
- Cycle time approx. (forward and return in idle operation) 12,80 sec
- Theoretical volume throughput 417 m³/h
- Theoretical throughput at a bulk weight
of 20 kg/m³ = approx. 8,34 t/h
of 50 kg/m³ = approx. 20,85 t/h

Technical description HSM VK 8818

- Continuous loading
- Standard loading hopper, cubic with inspection door on left hand side
- Fully automatic compression
- Fully automatic horizontal 5-fold strapping with patented coiled wire, ø 3,4 mm
- Control of press intervals via light-barrier
- 4000 mm conical press channel
- Automatic hydraulic regulation of conical press channel depending on material
- Length of loading aperture flexibly adjustable due to an integrated position measuring system
- Operating side and wire insertion cylinder

on left hand side seen in compression direction
- Programmable logic controller Siemens S7- 1500 F, with touch panel type TP 700
Important operation states are indicated symbolically and graphically operation occurs through touch screen
- highest operator safety by:
access interlocking via keylock system at entrance areas of the baler
as well as contact-free safety switches at access- and maintenance areas of the baler
- Bale counter integrated in plain text display
- Working hour meter
- Gimballed press cylinder system for tension-free loading of main cylinder
- Separate oil filter system increases the moulding time of the oil up to 50-70%
- Electro-hydraulic press carriage locking during bale strapping
- Wearing areas at press chamber made of double-layered sheet-steel (second layer exchangeable)
- Paintwork (standard):
baling press RAL 7011 (iron grey)
press plate, control-cabinet RAL 7035 (light grey)
hydraulic cylinders RAL 9002 (grey white), motors RAL 7024 (graphite grey)
- Basic machine weight without accessories approx. 30 to
- Inclusive technical documentation, German and French
- Including GS - mark (tested safety) for the baling press
- Includes manufacturer's declaration (CE-Compliant) for the baling press

Initial equipment included in delivery

- remote maintenance system for external data analysis and data adaption
- Sm@rt Service license for fast and effective troubleshooting via HSM service
- Initial filling with hydraulic oil
- Initially equipped with 10 wire coils, each 40 kg, wire thickness 3.4 mm
- Automatic baler switch off by signal "end of wire"
or "broken wire"

Required additional equipment /
project-specific according to initial situation

Increase of pressing power onto 100 t
- pressing power 990 kN
- specific pressing power 120 N/cm²
- bale weight (commodity 1.04)
at a bale length of 1200 mm approx. 580-630 kg
at a bale length of 1500 mm approx. 630-700 kg

Execution with frequency controlled main driving power (FU-version)

The system is driven with a smaller main motor drive
including a frequency control while reaching the same
performance rate compared to the conventional drive
90 kW è75 kW main motor drive frequeny controlled
Because of the innovative frequency controlled main
motor drive, the efficiency of the system is optimized.
The power consumption is reduced up to 40 %
compared to conventional drives.

this requires a
Frequency converter for 75 kW main motor drive
to optimize the efficiency of the system and therefore
reduce the power consumption up to 40 %
compared to conventional drives
as well as a
1 Control cabinet fan-type air cooling (1 fan)
to cool the main components for high ambient temperatures

Ext. of control system till 7,5 kW (FU drive)
for the connection of different components (assemblies),
including contactors (contactor relays), FU control and shielded
cables in main control box of the baling press
- 1 component
as well as a
1 additional control cabinet fan-type air cooling (1 fan)
to cool the main components for high ambient temperatures

Oil cooler, cooling performance 35 kW
with frequency converter
for 75 main motor drive baling press with frequency converter
(motor drive: oil cooler 1.1 kW / filtration unit 4 kW)
Including oil filter unit for continuous operation at high capacity or
at high ambient temperatures
Capacity 100 l/min., Filtration 5µ

Control cabinet heating (FU drive)
for installation in unheated halls or under a canopy ,
temperature 10° C to -20° C

Tank heating
for installation in unheated halls or under a canopy ,
temperature <(>< 4° C

Shearing blade clearing device
in front of shearing blade, pressing power approx. 121 kN

Wire station when using 250 - 1.000 kg wire coils
installed separately behind or next to the baling press ,
including wire guidance to the baler
Basic wire equipment not included!

Additional light barrier control
as overfill protection (feeding conveyor stop <(>&<)> go)

Bale chute
for compensation of height difference between press channel and floor level ± 0, length approx. 5000 mm

Multiple door interlock system
1 safety key + 1 personal key
additional safety key for protection of dangerous access points
2 Operating remote panel for conveyor belt
incl. emergency switch (L <(>&<)> R)
Operating function with illuminated push-button at conveyor belt

2 extra potential free contacts
for external activation or messages

Optical malfunction signal
flashlight, mounted at the control cabinet of the baler
to report collecting interferences

Instruction manual in national language (DE <(>&<)> FR)
Technical documentation, 3-fold

Danger protective gear (transponder)
as security system for operator protection
Certified according to DIN EN 614961-1 / DIN EN ISO 13849-1

Included equipment:

- Personal protection module (1 pc.)
- Antenna module
- Evaluation logic module
- Self - test module
- Test device
- Universal antenna mount
- Control extension 1K (security relay, terminals, programming CPU and
- Touch Panel in the main cabinet of the baler

Authorizing module
allows only employees who wear a PSM
to switch on the complete transport and compacting plant

Functional stop
on personal protection module

Electrical assembly - kit (in HSM factory)
for factory integration into the HSM system incl. technical documentation

Additional operator protection module (PSM
to wear as a pocket transponder or alternative as a bracelet

technical and optical modifications reserved
product image is an example image

delivery time: on demand

Modifications and errors reserved

Caractéristiques

Réf. d'article :	6429P05180G05127	**Standort:**	Pologne
Pression de compactage spécifique:	880 kN	**Type de produit:**	Presses à balles à canal
Tension / Fréquence:	400 V / 50 Hz		
Poids:	33000 kg		