PAKISTAN FOUNDATION FOR THE ADVANCEMENT OF ENGINEERING & TECHNOLOGY

E-mail: info@pfaet.com Website: www.pfaet.com

THE STOCKLIST OF USED AND NEW MACHINES AVAIABLE WITH

Construction And Machinery Division

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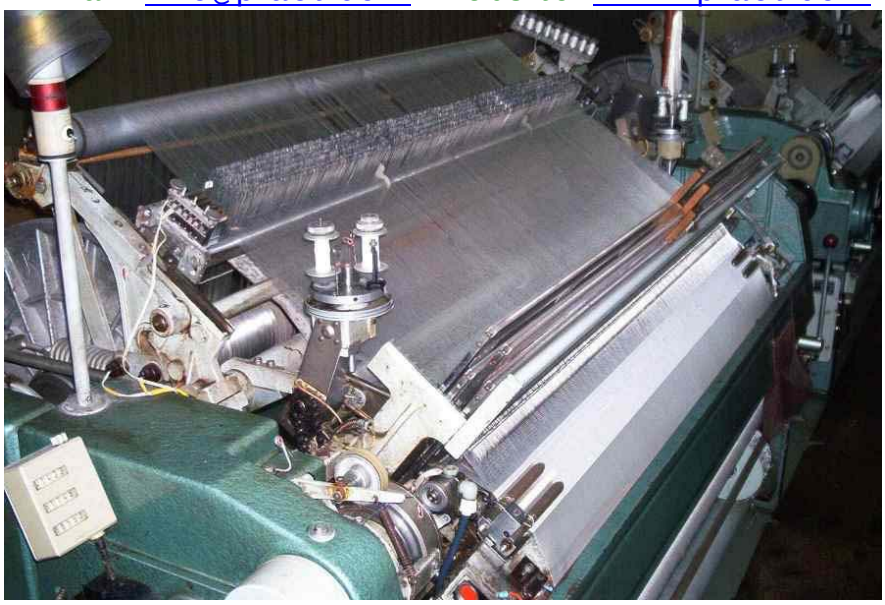

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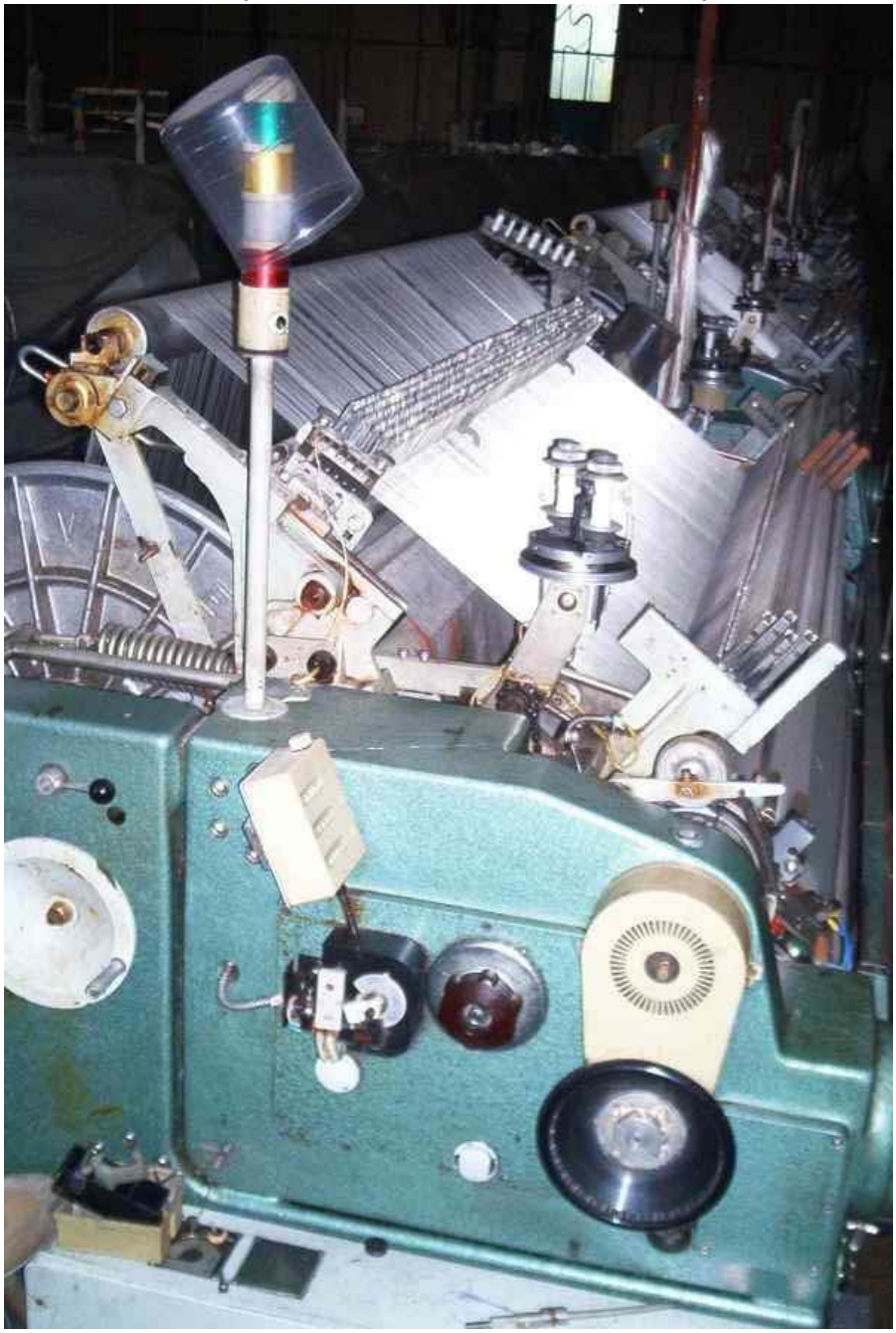

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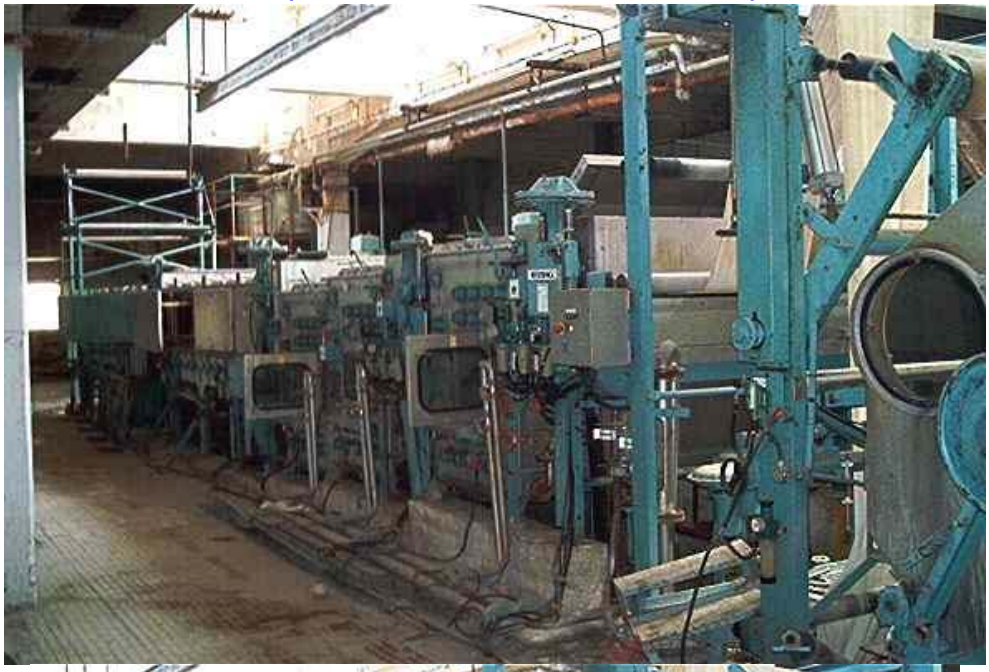

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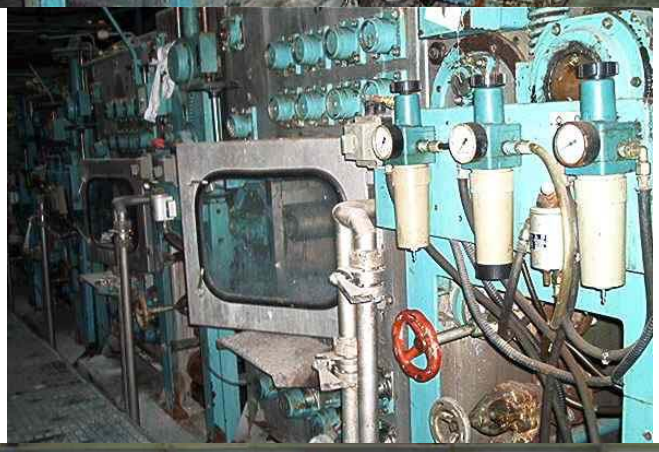

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BITELLI®

BB 651 C

PAVER FINISHER
ON HIGH SPEED TRACKS CE

Paver finisher BB 651 C fitted with folding canvas canopy (item on request)

DRIVE	
Diesel engine	Deutz
Type	F5L 912
No. of cylinders	5
Cooling System	air
Output 2500 rpm (DIN 6271)	68 kW (92.5 HP)
Electric starting	24 V

RB 465 VB SCREED	
Hydraulically extending screed width	2.50÷4.65 m
with 2 extensions (0.675 m each) (optional)	max 6.00 m
Laying width reduction (optional)	2.50÷1.00 m
Smoothing plate width	320 mm
thickness	19 mm
Screed heating	propane
Tamper vibration frequency	
1000÷1850 rpm	(16.7÷30.8 Hz)
Smoothing plate vibration frequency	
1000÷3400 rpm	(16.7÷56.7 Hz)

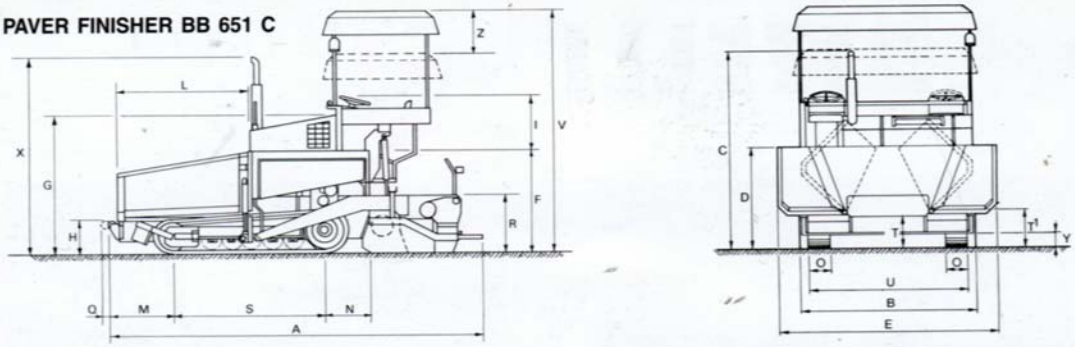
TANKS CAPACITIES	
Diesel fuel	140 l
Hydraulic oil	155 l
Ecological liquid	30 l

All top performances cannot be obtained simultaneously

TECHNICAL SPECS	
Transmission	hydrostatic
Track base	2130 mm
Track width	310 mm
Specific pressure on ground (empty weight)	0.98 kg/cm²
Inside turning radius	1.50 m
Operating weight (CECE reg.)	13230 kg
Hopper capacity (feed tunnel included)	10.5 t
Hopper base height at centre	460 mm
at sides	550 mm
Augers	Ø 325 mm

PERFORMANCES	
Max production	400 t/h
Mat thickness	5÷350 mm
SPEED	
1st gear (work)	0÷27 m/min
2nd gear (work)	0÷52 m/min
3rd gear (travel)	0÷5.6 km/h
4th gear (travel)	0÷11 km/h

PAVER FINISHER BB 651 C



Dim.	A	B	C	D	E	F	G	H	I	L	M	N	O	Q	R	S	T	T1	U	V	X	Y	Z
mm	5460	2500	2900	1500	3120	1500	1875	495	800	1900	976	580	310	100	830	2134	460	550	2260	3550	260	200	650

CARRIAGE: tracked machine with two rubber shoe crawlers. Crawler tension is automatically controlled by hydraulic pistons. This type of tracks ensures perfect stability, low noise level and excellent levelling performances since it reduces soilslope variations to a minimum.
In addition it gives the machine a high transfer speed (up to 11 km/h) which cannot be obtained with normal tracks.

TRANSMISSION: two hydrostatic transmissions both composed by a variable displacement pump. This pump feeds in closed circuit a variable displacement axial piston motor, directly splined to the two-speed gearbox with epicyclic final reduction gear in oil bath. An electro-hydraulic servo-control allows to stop and start the machine (for asphalt supply, etc.) with no pre-set working speed variation. The steering is given by a steering wheel which controls, by means of electronic devices, the electric servo-controls placed on the variable displacement pumps.
This system assures a gradual and precise steering.

SCREED: consists of two central fixed plates and two lateral mobile plates, hydraulically operated, sliding on two chromed telescopic cylindrical guides. The smoothing plates are made of wear resisting indeformable steel and heated by four gas propane burners. The adjustment of the laying mat thickness is controlled by special devices so as to allow easy modification of shapes (VNWM) with angles of +4.5% and –2.5% according to the job requirements. Other adjustments allow tamper travel position to be corrected due to wear. During work operations, when the machine stops (for asphalt supply, etc.) the pistons which lift the screed automatically block, so to avoid making marks on the mat.

SCREED ASSIST: the screed is provided with an electro-hydraulic device which keeps the pressure of the screed constant on the bituminous mix, independently from the mix bearing capacity and the paving width; besides, it is able to transfer part of the screed weight to the tracks of the machine, thus increasing remarkably its adherence to the ground.

BRAKES: the hydrostatic drive acts as the service brake; the safety and parking brakes are mechanical, multidisc brakes with negative type electro-hydraulic control.

OPERATOR'S SEAT: the instrument panel can slide from side to side. The two operator's platform, fitted with adjustable sliding seats, can also protrude from the machine's frame.

HOPPER AND FEEDING SYSTEM: the independent movement of the two side wings is obtained by means of two hydraulic cylinders.
The bottom plate of the hopper is built of abrasion-proofing steel. Two conveyors, each of them independently controlled, are made of wear-resisting steel. Two automatic stop feed devices control the conveyors.
Material conveyed to both sides is spread by two augers, both independently controlled, which can vary their rotation speed automatically, according to the quantity of material required for a proper feeding of the screed. An ultrasonic wave electronic system is supplied as standard for the auger proportional speed control. One pair of auger extensions is also provided as standard.
The augers are adjustable in height by means of a hydraulic control.

ELECTRICAL-ELECTRONIC SYSTEM: an electronic circuit, which governs and operates the hydraulic system, gives the machine an exceptional self-government.

ELECTRIC SYSTEM: 24 V system with 2 batteries of 100 A.h each. Complete lighting system for work and travel.

CONTROLS: the machine is hydraulically controlled and electrically driven by means of simple switches.
In case of breakdown all the solenoid valves in the hydraulic circuit can be hand-driven so as to AVOID MACHINE STOPS. All the main component parts are easy to service.

ON REQUEST:
- FOLDING CANOPY
- Automatic LEVELLING devices:
  - GRADE control-mechanical
  - DIGITAL ULTRASOUND GRADE control - 5 ultrasound sensors
  - COMBINED ULTRASOUND GRADE control - electronic and mechanical
  - SLOPE control
  - DIGITAL SLOPE control
- LONG SLIDING SKI 6000 mm for grade control
- AUTO-LEVELLING SKI 6000 mm for grade control
- REVERSIBLE DIRECTION augers
- MECHANICAL EXTENSION 3000 mm for auto-levelling ski
- MECHANICAL EXTENSION ELEMENTS with auger extensions for laying width up to 6000 mm
- BURNERS ELECTRONIC IGNITION with automatic adjustment of screed temperature
- EMERGENCY DRIVE kit
- ROTATING side SCREED BULKHEADS
- BIO-HYDRAULIC OIL

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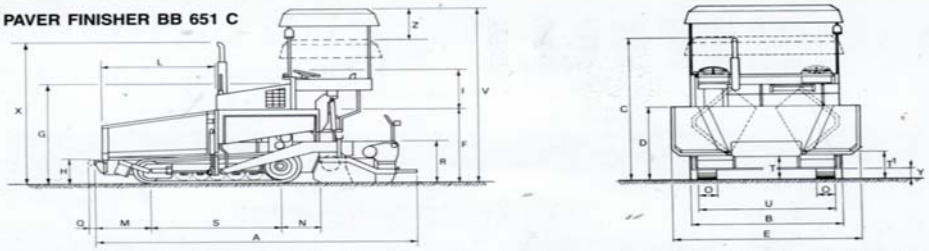

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SUSER


Bobcat

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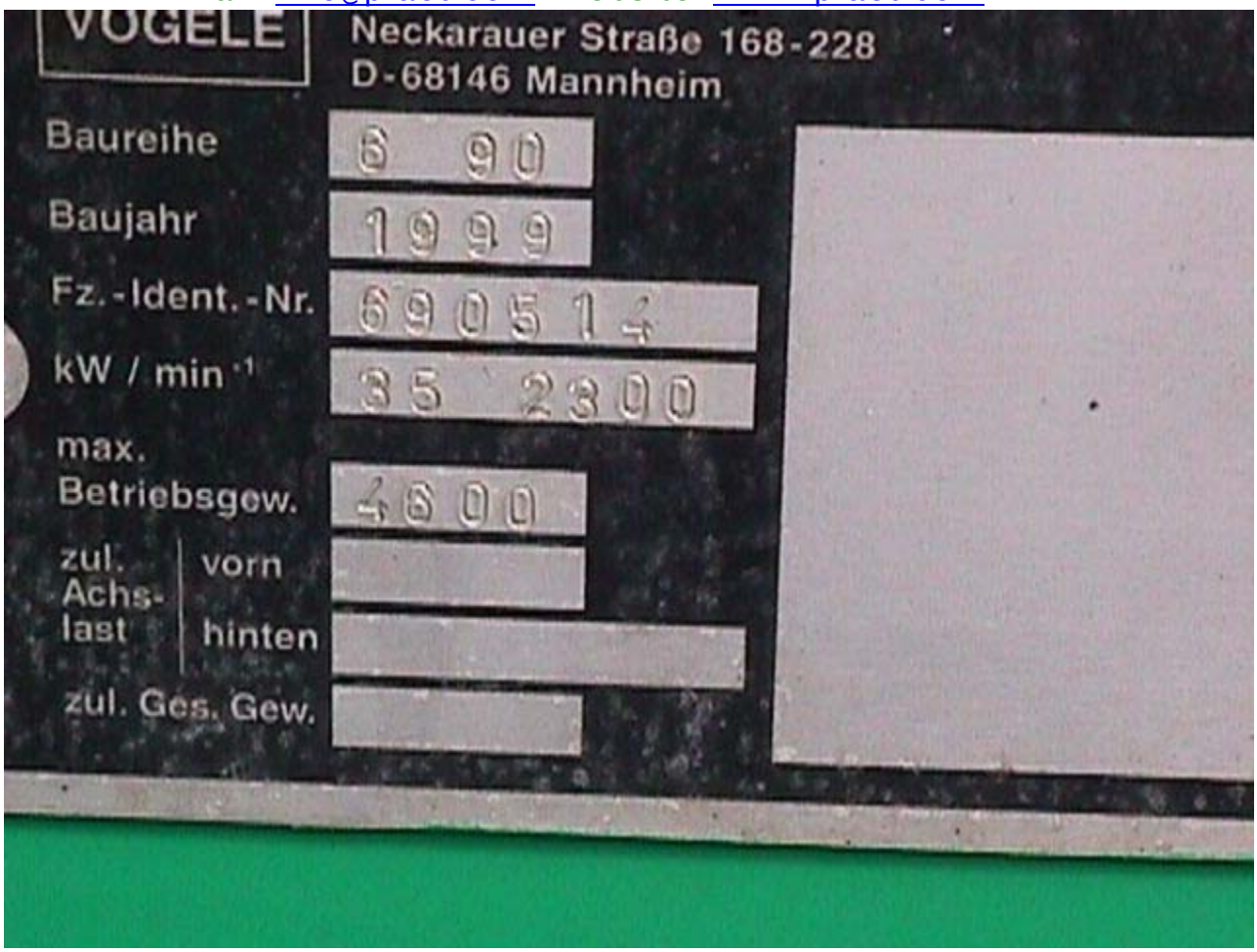
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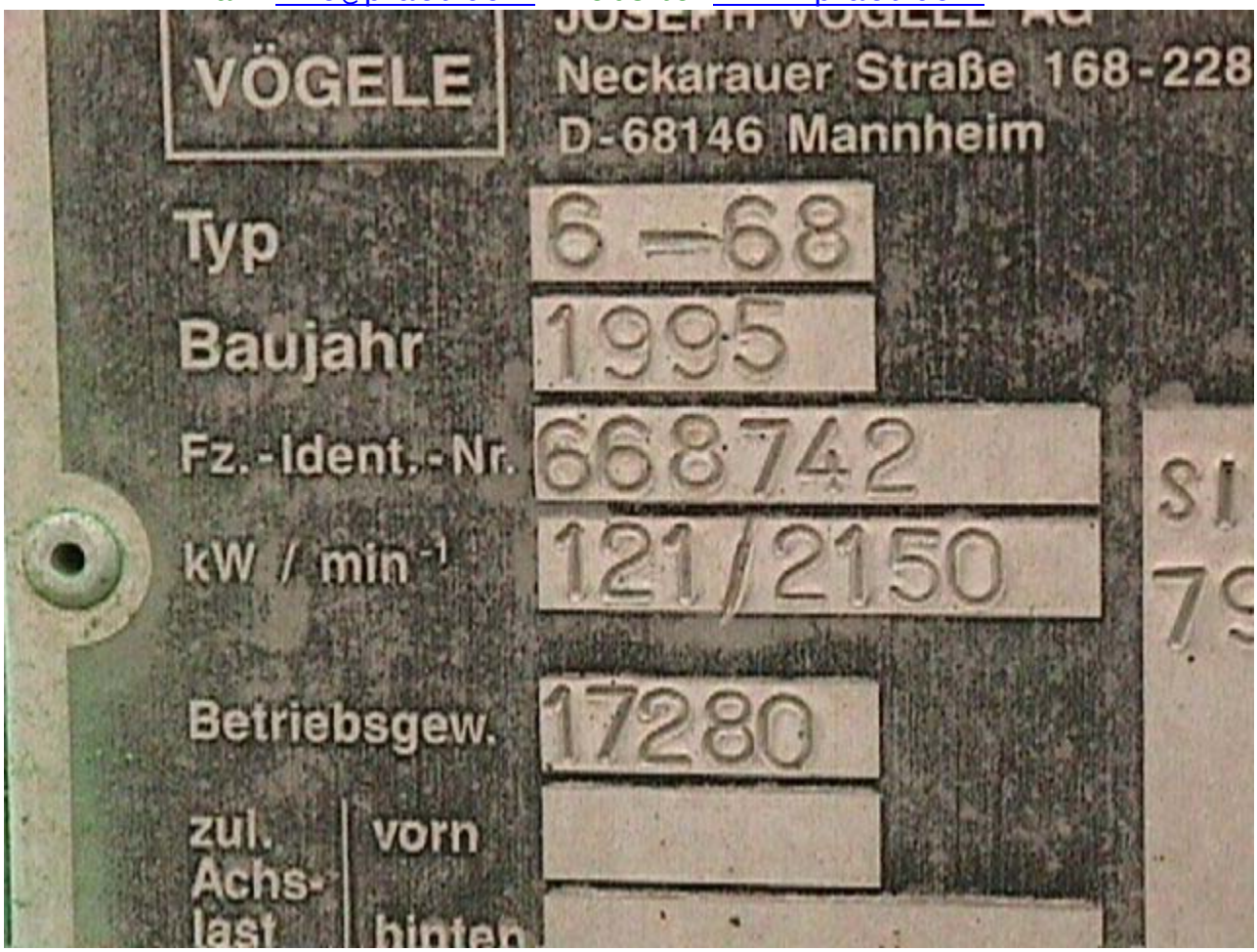
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