

# Heizohack®

## **Technical Data 2013**

### **of manually fed Drum Wood Chipping Machines**

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## Manually Fed Wood Chippers

The manually fed **HEIZOHACK**- wood chippers can break down all wood waste, such as slats, beams, logs, blocks or branches and trunks with a diameter up to a maximum of 300mm or 400mm.

A steel conveyor belt and a pressure roller with welded tongs ensure a powerful and reliable feeding of the material.

The **HEIZOHACK**- wood chippers are equipped with a low drag drum chip rotor. Thereby flawless operation is also possible with low drive performance and the fuel consumption is reduced. The drive can take place using a propeller shaft, via an internal combustion engine (HM 6-300 VM) or via an electro-motor (HM 4/6-300 EM, HM 5/6/8-400 EM).

The hydraulic feed units supply is undertaken via it's the own on-board hydraulic system. An external oil supply is not necessary.

The size of the wood chips can be influenced by the individually adjustable feed speed and the easily exchanged sieve. The ejection of long pieces is prevented by the sieve.

The counterknife can be used quadrilaterally.

The quick exchangeable blades can be re-sharpened when fitted.

The feed table and the ejector spout are foldable and supported by pneumatic shock dampers. Upon request, the ejector spout rotation and the ejector flap adjustment are possible by remote control. The feed speed is adjustable via a flow divider and the direction of the feed elements reversible by the feed safety lever.

The electric controls of the chipping machine have, besides an operator-friendly, load-dependent feed control of the wood feed, also two day counters and an overall operations counter.

The machine is designed solely for manual feeding and is equipped with a feed safety rope.

**The tested safety seal is to be observed.**



## HM 4/6-300 Drum Wood Chipper

Machine exclusively for manual feeding



### Technical Data and Equipment of the Wood Chipping Machine:

Height of Feed:	300 mm
Width of Feed:	HM 4-300 - 370 mm HM 6-300 - 539 mm
Feed:	- Pressure roller with steel teeth (Ø 380 mm) - Conveyor belt 600 mm long - In-feed table 900 mm long
Sieve:	Standard Mesh 35/40 mm
Drum Ø:	450 mm with quick exchangeable blades
Flywheel:	130 kg
Ejector:	Manually foldable and rotatable; supported by pneumatic shock dampers
Controls:	- Automatic load-dependent feed control - Two day counters and one overall operating hours counter - Conveyor belt speed infinitely adjustable
Drive:	Short PTO shaft at chipper without any chassis
Drive rpm:	max. 750 min-1
Drive Power:	max. permissible 60 KW / 82 PS



Picture of HM 6-300

Type of Wood Chipper	Weight without Chassis	Article number
<b>HEIZOHACK HM 4-300</b>	approx. 1.600 kg	04-004-000
<b>HEIZOHACK HM 6-300</b>	approx. 1.800 kg	04-006-000
<b>Chassis:</b>		<b>Article number</b>
<b>Chassis HM 4/6-300</b> 25 km/h no braking device, a trailing axle, long PTO shaft, supporting leg, drawbar, wings and lighting, with tyres 10/75 - 15.3, height of towing port: approx. 950 mm, weight approx. 360 kg		04-004-700
<b>Chassis HM 4/6-300</b> 25 km/h with cable brake, a trailing axle, long PTO shaft, supporting leg, drawbar, wings and lighting, with tyres 10/75 - 15.3, height of towing port: approx. 950 mm, weight approx. 380 kg		04-004-705



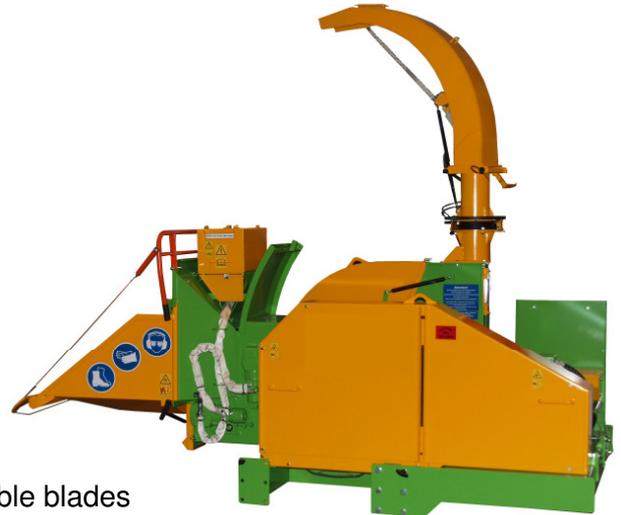
## HM 4/6-300 EM Drum Wood Chipper



Machine exclusively for manual feeding;  
for stationary use; electromotor drive

### Technical Data and Equipment for the Wood Chipping Machine:

Height of Feed:	300 mm
Width of Feed:	HM 4-300 EM - 370mm HM 6-300 EM - 539 mm
Feed:	- Pressure roller with steel teeth (Ø 380 mm) - Conveyor belt 600 mm long - In-feed table 900 mm long
Sieve:	Standard Mesh 35/40 mm
Drum Ø:	450 mm with quick exchangeable blades
Rotor rpm:	max. 750 min-1
Flywheel:	130 kg
Ejector:	Manually foldable and rotatable; supported by pneumatic shock dampers
Controls:	- Automatic load-dependent feed control - Two day counters and one overall operating hours counter - Conveyor belt speed infinitely adjustable - Control panel with star-triangle circuit - Connection by customer in accordance with DIN-VDE



Picture of HM 6-300 EM

Type of Wood Chipper	Weight without Base Frame and Electromotor	Article number
<b>HEIZOHACK HM 4-300 EM</b>	approx. 1.600 kg	04-104-000
<b>HEIZOHACK HM 6-300 EM</b>	approx. 1.800 kg	04-106-000
<b>Electromotors:</b>		<b>Article number</b>
<b>Electromotor 45 kW</b> 1.500min-1, V belt drive, Control panel with star-triangle circuit (suitable for soft wood chipping, e.g. spruce) Weight with frame: approx. 625 kg		92-451-001
<b>Electromotor 55 kW</b> 1.500min-1, V belt drive, control panel with star-triangle circuit (suitable for chipping with hard wood, e.g. beech) Weight with frame: approx. 680 kg		92-551-001



## HM 6-300 VM Drum Wood Chipper



Machine exclusively for manual feeding;  
for mobile use; internal combustion engine

### Technical Data and Equipment for the Wood Chipping Machine:

Height of Feed:	300 mm
Width of Feed:	539 mm
Feed:	- Pressure roller with steel teeth (Ø 380 mm) - Conveyor belt 600 mm long - In-feed table 900 mm long
Sieve:	Standard Mesh 35/40 mm
Drum Ø:	450 mm with quick exchangeable blades
Flywheel:	130 kg
Ejector:	- Manually foldable; supported by pneumatic shock dampers - Ejector flap electric adjustment (infinitely variable) - Ejector spout electric rotatable (infinitely variable)
Controls:	- Automatic load-dependent feed controls - Two day counters and one overall operating hours counter - Conveyor belt speed infinitely adjustable



Picture of HM 6-300 VM

### Technical Data and Equipment of Chassis and Auxiliary Engine:

Auxillary Engine:	Hatz 4L41C, Euro 2 Air-cooled four stroke diesel engine with direct injection 48 KW / 65 HP
Live Ring:	270° rotatable
Chassis:	ALKO Tandem-Chassis 80 km/h, inertia broken Drawbar height adjustable, tyres 225/70 R 14
Hitch:	With DIN-Trailer coupling ring and traction ball-shaped coupling
Support load:	100 kg

Type of Wood Chipper	Weight including Chassis and Engine	Article number
HEIZOHACK HM 6-300 VM	approx. 3.500 kg	04-906-000

Dimensions and weights are all approximate Technical changes, which serve continuous further development, are reserved!



## HM 5/6/8-400 Drum Wood Chipper

Machine exclusively for manual feeding



### Technical Data and Equipment for the Wood Chipping Machine:

Height of Feed:	400 mm
Width of Feed:	HM 5-400 - 451 mm HM 6-400 - 539 mm HM 8-400 - 608 mm
Feed:	- Pressure roller with steel teeth Ø 450 mm) - Conveyor belt 600 mm long - In-feed table 900 mm long
Sieve:	Standard Mesh 35/40 mm
Drum Ø:	495 mm with quick exchangeable blades
Flywheel:	- HM 5-400 - 300 kg - HM 6-400 - 300 kg - HM 8-400 - 470 kg
Ejector:	Manually foldable and rotatable; supported by pneumatic shock dampers
Controls:	- Automatic load-dependent feed control - Two day counters and one overall operating hours counter - Conveyor belt speed infinitely adjustable
Drive:	Short PTO shaft at chipper without any chassis
Drive rpm:	max. 750 min-1
Drive Power:	max. permissible at 540 min-1 100KW / 136 HP max. permissible at 750 min-1 139KW / 190 HP



Picture of HM 8-400

Type of Wood Chipper	Weight without Chassis	Article number
HEIZOHACK HM 5-400	approx. 2.650 kg	04-205-000
HEIZOHACK HM 6-400	approx. 2.850 kg	04-206-000
HEIZOHACK HM 8-400	approx. 3.200 kg	04-208-000
<b>Chassis:</b>		<b>Article number</b>
<b>Chassis HM 5/6/8-400</b> 25 km/h no braking device, a trailing axle, long PTO shaft, supporting leg, drawbar, wings and lighting, with tyres 400/60 - 15.5 up to 40 km/h, height of towing port: approx. 950mm, weight approx. 360 kg		04-205-700
<b>Chassis HM 5/6/8-400</b> 25 km/h cable handbrake, a trailing axle, long PTO shaft, supporting leg, drawbar, wings and lighting, with tyres 400/60 - 15.5 up to 40 km/h, height of towing port: approx. 950mm, weight approx. 380 kg		04-205-705
<b>Chassis HM 5/6/8-400</b> 40 km/h with spring-loaded pneumatic brake 3,5 t, a trailing axle, long PTO shaft, supporting leg, drawbar, wings and lighting, with tyres 400/60 - 15.5 up to 40 km/h, height of towing port: approx. 950mm, weight approx. 440 kg		04-205-711

Dimensions and weights are all approximate Technical changes, which serve continuous further development, are reserved!



## HM 5/6/8-400 EM Drum Wood Chipper



Machine exclusively for manual feeding;  
for stationary use; Electromotor drive

### Technical Data and Equipment for the Wood Chipping Machine:

Height of Feed:	400 mm
Width of Feed:	HM 5-400 - 451 mm HM 6-400 - 539 mm HM 8-400 - 608 mm
Feed:	- Pressure roller with steel teeth (Ø 450 mm) - Conveyor belt 600 mm long - In-feed table 900 mm long
Sieve:	Standard Mesh 35/40 mm
Drum Ø:	495 mm with quick exchangeable blades
Flywheel:	- HM 5-400 - 300 kg - HM 6-400 - 300 kg - HM 8-400 - 470 kg
Ejector:	Manually foldable and rotatable; supported by pneumatic shock dampers
Controls:	- Automatic load-dependent feed controls - Two day counters and one overall operating hours counter - Conveyor belt speed infinitely adjustable - Control panel with star-triangle button - Connection by customer in accordance with DIN-VDE



Picture of HM 6-400 EM

Type of Wood Chipper	Weight without Base frame and Electromotor	Article number
HEIZOHACK HM 5-400	approx. 2.650 kg	04-305-000
HEIZOHACK HM 6-400	approx. 2.850 kg	04-306-000
HEIZOHACK HM 8-400	approx. 3.200 kg	04-308-000
<b>Flange-Mounted Motors:</b>		<b>Article number</b>
<b>Electromotor 45 kW</b> 1.500min-1, V belt drive, Control panel with star-triangle button (suitable for soft wood chipping, e.g. spruce) Weight with frame: approx. 625 kg		92-451-001
<b>Electromotor 55 kW</b> 1.500min-1, V belt drive, control panel with star-triangle button (suitable for chipping with hard wood, e.g. beech) Weight with frame: approx. 680 kg		92-551-001

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## Accessories for Manually Fed Drum Wood Chippers HM 4/6-300, HM 5/6/8-400



Wood Chipping Machine Accessories / Chassis:	Article number
<b>PTO shaft with freewheeling</b> instead of the PTO shaft with shear pin (higher price)	04-004-708
<b>Exchange blades</b>	04-004-204-090
<b>Ejector tower electric rotatable</b> , infinitely variable	04-004-005
<b>Ejector flap electric adjustment</b> , infinitely variable	04-004-006
<b>Ejector tower hydraulically height adjustable HM 400</b> only in connection with ejector tower electric rotatable ( 04-004-005) and ejector flap electric adjustment (04-004-006) Ejection height from approx. 2,90 m to 4,10 m, adjustable via double acting hydraulic cylinder, activity by hand pump	E04-110-580
<b>In feed table lifting cylinder</b> , to be connected to tractor hydraulics <u>Attention:</u> The tested safety seal is not applicable	93-830-300
<b>RAL special paint</b> (higher price per colour)	04-004-010
<b>Trailer coupling ring Ø 50 mm</b> , rigid Instead of the rigid trailer coupling ring Ø 40 mm (higher price)	98-050-009
<b>Hitch</b> , height of towing port 500 mm Additional part is required to retrofit the existing traction facility to lower hitch. (up to max. 25 km/h), Weight 60 kg <u>Attention:</u> The Tested safety seal is not applicable	04-004-505
<b>Hydraulic oil biological Panolin HLP Synth 46</b> (higher price per litre)	98 046-002
<b>Manual torque multipliers</b> for loosen and tie up of the exchange blades holder; inclusive torque wrench, strength nut (opening width 36mm) and stable transport case	98-001-093
<b>Additional Sieves HM 4-300:</b>	<b>Article number</b>
<b>HM 4-300</b> 25/25 mm (great decrease in performance)	E04-004-520
<b>HM 4-300</b> 35/40 mm	E04-004-532
<b>HM 4-300</b> 50/50 mm	E04-004-525
<b>Additional Sieves HM 6-300:</b>	<b>Article number</b>
<b>HM 6-300</b> 25/25 mm (great decrease in performance)	E04-006-522
<b>HM 6-300</b> 35/40 mm	E04-006-521
<b>HM 6-300</b> 50/50 mm	E04-006-525
<b>Additional Sieves HM 5-400:</b>	<b>Article number</b>
<b>HM 5-400</b> 25/25 mm (great decrease in performance)	E04-005-621
<b>HM 5-400</b> 35/40 mm	E04-005-629
<b>HM 5-400</b> 50/50 mm	E04-005-625
<b>Additional Sieves HM 6-400:</b>	<b>Article number</b>
<b>HM 6-400</b> 25/25 mm (great decrease in performance)	E04-006-622
<b>HM 6-400</b> 35/40 mm	E04-006-634
<b>HM 6-400</b> 50/50 mm	E04-006-625
<b>Additional Sieves HM 8-400:</b>	<b>Article number</b>
<b>HM 8-400</b> 25/25 mm (great decrease in performance)	E04-008-622
<b>HM 8-400</b> 35/40 mm	E04-008-620
<b>HM 8-400</b> 50/50 mm	E04-008-629
<b>Further Sieves upon Enquiry</b>	

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