



CHODOS CHODOV s.r.o.

Nejdecká 814
357 35 Chodov u Karlových Varů
CZECH REPUBLIC

Tel.: +420 352 619 111
@: info@chodos.cz
web: www.chodos.cz



PELLETIZER type 031 105 K150





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DRAW-OFF AND STRING CUTTER DRIVE



MACHINE DESCRIPTION / PURPOSE

- The pelletizer is designed for granulation of strings from polyolephins and heat-shaped plastics produced by extrusion method.
- The pelletizer drive is secured by a motor with gearbox and a frequency convertor.
- The frame consists of a welded structure with attached feet equipped with silent blocks.
- The internal part of the frame serves to positioning of drive on an independent frame with the possibility to tighten V-belts.
- In the upper part of the frame, there is an auxiliary frame of rotor is attached.
- The height of cutting knife may be adjusted. For multiple usage, the knife may be rotated, depending on its wear.
- The construction of knife attachment enables to take up the clearance between the cutter and knife.
- The pressure may be adjusted by positioning of weight on the frame arm of pressure roller.
- The pellet discharging hopper is equipped with an opening for easy cleaning.
- The cutter drive shaft as well as the cutter may be pulled out from one side after disassembling some parts
- The covers ensure safety during the pelletizer operation.
- The pelletizer is designed for work on a production line. It must not work independently.



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• DRIVE

- FRONT GEAR MOTOR RX87 DRN160M4/TF/V
- output torque 220 Nm (there is a slight reduction in maximum speed)
- output revolutions ranging from 90 to 1750 rev/min
- motor power 11 kW
- weight 160 kg
- easy handling thanks to a small weight and small dimensions

• FRAME

- welded construction
- attached feet are equipped with silent blocks
- the internal part of the frame serves to positioning of drive on an independent frame with the possibility to tighten V-belts
- the cutter frame attached from upwards
- adjustable height of knife, possibility to rotate with the knife for multiple usage
- clearance taken up between cutter and knife
- pressure may be adjusted by positioning of weight on the frame arm of pressure roller
- the pellet discharging hopper is equipped with an opening for easy cleaning
- the covers ensure safety during the pelletizer operation
- the cutter drive shaft as well as the cutter may be pulled out from one side after disassembling some parts

• CUTTER

- documentation of CHODOS draw. No. DA007ML
- material 19436; X210Cr12
- surface of teeth hardened

• WIRING

- wiring box
- FREQUENCY CONVERTOR MOVITRAC MCLTPB0185-5A3-4-10
- speed POTENCIOMETER EP 101 10K OHM
- safety relays, emergency switch, signaling and control push buttons
- main circuit breaker, fuses, terminals



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BASIC PARAMETERS OF PELLETIZER:

- height..... 1544 mm
- width (incl. gearbox and drive)..... 1497 mm
- length (without wall connector)..... 1459 mm
- axis height of string inlet hole..... 1237 mm
- machine weight..... 670 kg
- nominal drive performance..... 11 kW
- installed capacity..... 19 kVA
- string drawing speed..... 5,5-105 m/min
- amount of processed material..... according to performance of extruder

TOTAL MASCHINE VIEW

