

Extraction Storage Reclaiming

## SIDE EXCAVATOR ON RAILS

Type FGVM

PELERIN  
Préparation et Fabrication



### THE SIDE BUCKET EXCAVATOR IS USED TO RECLAIM THE CLAY.

- It is mainly made up of :
- An axle box slide ensuring the excavator translation.
- **A bucket chain equipped with a swivel bucket ladder and a mechanical lifting device.**
- Electrical and automatic control installations.

#### Technical Characteristics - Example : 30FGVM8

Useful hourly flowrate	30/45 m <sup>3</sup> /h
Capacity of one bucket	45 l
Step of buckets	4 or 6 links
Slow translation speed	1,84 m/min
High translation speed	3,60 m/min
Length of the ladder (between axes)	~ 10,5 m
Total weight of the excavator	~ 19 500 kg
Ladder's drive	Mechanical jack
Lifting system of the endless ladder	Mechanical jack and screw
Pneumatic buckets chain tension	Actuator

## Technical Specification

- **Forced emptying of buckets made at the level of the head tumblers, by a scrapper fitting the internal shape of the bucket, equipped with an interchangeable steel blade.**

Steel buckets with stiffening belt and hard steel blades.

- **Automatic lubrication of chain's roller axes.**

Maintenance table of the machinery supporting the swivelling ladder equipped with dismountable wear profiles.

- **Embedded spring-load electric box, including all the control and protection equipment of motors, an isolating transformer, a rectified and filter supply, the remote input/output modules as well as the switches, indicator lights and the emergency stop device on the front side.**

Cables and wiring accessories to the connection box.

- **Lifting of the ladder by mechanical jack.**

## Options

- **Ladder lifted by a hydraulic actuator.**
- Excavator rolling rails.
- Excavator electrical supply by cable drag chains.

## Range

Type	Ladder's length ( m )	Flow rate ( m <sup>3</sup> /h )	Net weight ( kg )
<b>20FGVM8</b>	9.120	15/20	18 500
<b>30FGVM8</b>	7.365	30/45	19 500
<b>100FGVM11</b>	10.395	60/80	43 000