

TECHNICAL DATA SHEET

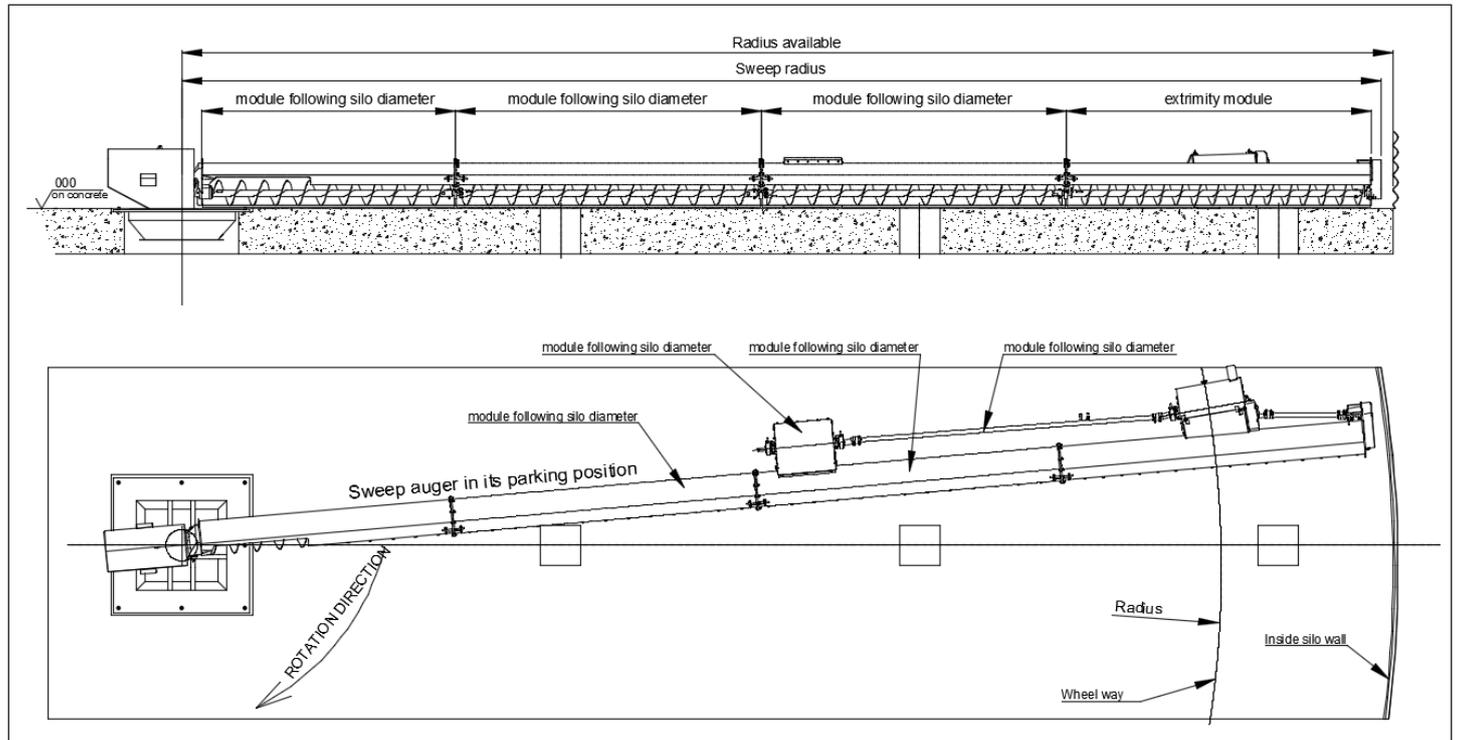
This machine is the result of years of development in this specific field of reclaiming of free-flowing products (wheat, corn, barley, sunflower seeds, paddy...) remaining on the floor of flat bottom silos.

2 versions available for all kinds of products to discharge

Version with motor in silo

This version has the motoreducer directly coupled to the screw. A protective hood is provided for the motoreducer along with an electrical slip ring. This model is suitable for use with unloading augers set in a trench in the silo base, utilizing intermediate outlets with slide gates to clear the reducer drive wheel and initial path for the sweep auger. It offers a very low footprint in the tunnel.

Version with motor outside silo (inside tunnel) of options



Model	M245	M300	M345
Flight \varnothing	\varnothing 245	\varnothing 300	\varnothing 345
Silo \varnothing	\varnothing 6m to \varnothing 42m	\varnothing 6m to \varnothing 42m	\varnothing 14m to \varnothing 42m
Discharge capacity min	60 m ³ /h	60 m ³ /h	60 m ³ /h
Discharge capacity max	133 m ³ /h	270 m ³ /h	400 m ³ /h
Motor power min	4 kW	5,5 kW	22 kW
Motor power max	30 kW	55 kW	55 kW



All our equipments are certified Atex II 2 D Ex h IIB T125° C Db Ta : -20°C + 40°C (Atex zone 21 compliant inside silo)

As a standard, voltage is 400V 3Ph 50Hz.

RIGIDITY OF THE EQUIPMENT

The particular rigidity of the beam, thanks to a special design, and a fabrication using the relevant materials, allows a permanent penetration of the equipment in the mass of product

HIGH PERFORMANCES TO GUARANTEE DISCHARGE RATES

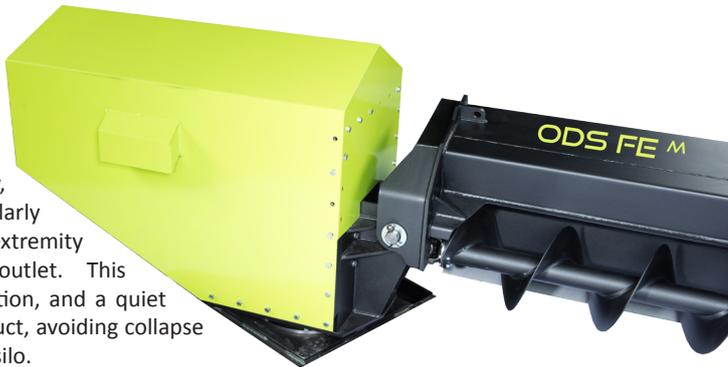
All along the screw, the product is regularly absorbed, from the extremity until the central outlet. This allows an easy operation, and a quiet sweeping of the product, avoiding collapse of product inside the silo.

This machine is permanently and softly backed on to the mass of products, only advancing when there is room enough.

HUMAN SAFETY DISCHARGE OPERATIONS

This equipment has been elaborated with an high conscience of safety, having in mind that it doesn't need any human presence in the silo during the operation.

It is recommended to put a "safety device" at the door entrance in the silo, prohibiting to open the door when the sweep auger is operating.



HEAVY DUTY DRIVING HEAD SUPPORT

The driving head is supported by a heavy duty ball crown offering a high resistance and a perfect stability during rotation.

HIGH EFFICIENCY POWER TRANSMISSION



The geared motor can be located either on the equipment itself inside the silo, or under the silo in the tunnel.

In the case of the "Twin Model", geared motors are inside the silo

PERFORMANT ADVANCE WHEEL



Thanks to a specific mechanism the wheel never slips on the ground. Advance of the sweepauger is performed by squirrel cage wheels with rubber coated bars. The wheel also a self cleaning design. The use of a specific belt transmission gives the guarantee of a long lasting design.

As a standard :

For silos up to Ø24 m : 1 wheel

For silos from Ø24 m up to Ø33,50 m : 2 wheels

For silos from Ø33,50 m up to Ø42 m : 3 wheels

POWER CONTROL

Thanks to particular design, the ODS FE "M" is able to reach a high torque, mainly for the starting, or when the screw is going into a heavy mass of products with impurities.

To ensure a torque control on the sweepauger screw, a control panel with specific electric equipment is included from 330m³/h for M models.



OPTIONS

VERSION WITH MOTOR OUTSIDE SILO (INSIDE TUNNEL)



This version has the motor and drive arrangement mounted in a trench under the silo, with central discharge hopper and base mounting frame. Dependent on silo diameter, intermediate outlets with slide gates are also recommended (not supplied with sweepauger).

MOTOREDUCTOR ON THE WHEEL



Planetary advance can be independent.

This option offers a higher efficiency and even better screw penetration in the mass of dusty products. Atex compliance on equipment not available yet with this option.

LEVEL DETECTOR

Located inside central hopper, it stops automatically the sweepauger if the unloading hopper is obstructed by excess products. This device protects the machine against damages after unexpected collapsing in hopper.

BRUSHES

Located on the back of the frame. It helps cleaning the silo floor. Efficiency is even better when floor is smooth.



PARKING POSITION SENSOR

To receive an electric signal when machine is back in parking position

PROTECTION FOR ABRASIVE AND DUSTY PRODUCTS

It includes special protection on bearings, level sensor in the hopper, cover on the wheel, larger flight thickness.