
TECHNICAL INFORMATION

Series FS-1 FLEXIBLE SCREW CONVEYOR

General Description:

FS-1 flexible screw conveyor is designed to handle bulk dry powders and granular materials. The FS-1 flexible screw conveyor is able to deliver bulk product at desired rate and elevation. Typical application for the FS-1 is to have the main drive motor hanging from the ceiling, locating the discharge point at a specific location and elevation. The FS-1 flexible screw conveyor can be set up to operate intermittently, running only when it receives a signal from the low level sensor controller in the receiving hopper. Once a signal is received the FS-1 pulls the bulk product from the lower hopper at a designed rate of speed.

The FS-1 is design for easy removal of the screw. Remove the access doors from the discharge head and the main hopper. Remove two bolts from drive shaft and the screw will easily slide out the back of the main hopper.

The FS-1 is also design so that different size screws can easily be changed out. By removing a few bolts, the flexible tube couplings can be changed out to different sizes.

Space / Environment Requirement:

A 36 inches minimum space is required completely around machine for easy access and maintenance.

The Floor must be flat and level.

Floor must be constructed from a material able to support 1 PSI

The machine surrounding temperature must be maintained between 40 to 110 degrees Fahrenheit. Relative humidity must be maintained below 95 percent.

TECHNICAL DATA



MACHINE SPECIFICATIONS

Electrical Requirements:

208-230 / 480 VAC, 60 Hz, 3-phase, 15 Amps.

Pneumatic Requirements for Optional Vibrator:

Compressed air at 90 PSI with 0.50 cu-ft / min.

Machine Specifications:

Floor Dimensions.....	38 by 60 inches
Height.....	TBD
Conveying Rate.....	TBD
Helical Spiral (Used for conveying).....	1-5/8" to 4.0"
Diameter	
Installed Power.....	1.8 K Watts
Feeder Motor.....	1.49 K Watts
Vibrator.....	168 Watts
Net Weight.....	Est. Average 525 Pounds
Gross Weight.....	Est. Average 900 Pounds