

Diesel Engine Pneumatic Grain Suction Machine

This grain suction machine utilizes negative pressure pneumatic conveying for efficient grain transfer. Components are assembled into a concentrated system, with some models offering mobility for added convenience.



Overview



The integrated mobile design allows for efficient grain suction and conveying directly in the field or warehouse.

High-Efficiency Pneumatic Grain Handling

This diesel-powered pneumatic grain suction machine is designed to transform traditional grain handling through advanced negative pressure conveying principles. By integrating all components into a mobile, compact unit, it offers superior flexibility for agricultural production, food processing, and grain trade. This system significantly reduces labor intensity while increasing work efficiency, making it an essential tool for modernizing grain loading and unloading operations.

Key Features

Core Benefits

- Mobile and integrated design for maximum flexibility
- High degree of automation to simplify management
- Reduced energy consumption and lower production costs
- Suitable for a wide range of grains and agricultural materials
- Independent power source for field operations

Performance Metrics

Performance Highlights

130 t/h

Max Capacity

100 m

Max Horizontal Distance

60 m

Max Suction Distance

35 m

Max Lift (Head)

Technical Specifications



Equipped with a robust diesel engine and cyclone separator for high-performance dust-free grain transfer.

Model Comparison Data

Model	Capacity (t/h)	Fan Power (KW)	Total Power (KW)	Inlet Dia (mm)	Weight (kg)
QL-3	3	4	4.75	124	400
QL-10	10	7.5	8.25	150	460
QL-20	20	15	16.1	160	600
QL-35	35	30	31.5	160	1400
QL-55	55	45	46.5	200	1600
QL-110	110	75	78	273	2200
QL-130	130	110	113	273	3560

Operational Parameters

Fan Rotation Speed	1800-2200 r/min
Air Lock Rotation Speed	30-60 r/min
Standard Hose Configuration	Up to 40m total (20m inlet + 20m outlet)

Application

Usage Scenarios

Farms • Warehouses • Processing Plants • Grain Depots • Mobile Field Loading

Suitable Materials

Corn, Wheat, Grain, Agricultural Seeds, Food Processing Materials