



### **LZ-5 Shotcrete Machine**

LZ-5 shotcrete machine is medium-sized shotcrete machine for the processing of dry mix. And it is widely used by so many contractors. LZ-5 shotcrete machine can be used for tunneling, mining operations, hydropower projects and hillside protection, etc.

LZ-5 shotcrete machine is available in following versions:

Air motor driver or diesel drive combined with skid or rail-wheel

Basic: Electric drive can be combined with tyre chassis

Extended (optional): Electric motor drive with variable speed gearbox, air motor drive or diesel drive combined with Skid or Rail-wheel.

#### **1. LZ-5 shotcrete machine features:**

Non-adhesion going-through rotor with new material chamber, completely eliminate bonding and blocking during operation so as to reduce clearance and maintenance period.

Thin flow conveying method with vortex flow, so the spraying flow is even, continuous and steady, to improve the shotcrete quality.

Four-point clamping device make it easy to adjust the press between sealing plate and rotor disk so as to no air and dusk leak and prolong consumption parts life

#### **2. LZ-5 shotcrete machine main technical data:**

##### **Electric motor drive:**

Rated Output	5m <sup>3</sup> /h
Max. Horizontal Conveying Distance	200m
Suitable Mix Ratio(Cement/Sand)	≤ 1.3~5
Water Cement Ratio	< 0.4
Max. Aggregate Size	Φ 15 mm
Conveying Hose Inner Diameter	51mm
Operating air Pressure	0.2-0.4MPa(29-58PSI)
Air Consumption	8~9m <sup>3</sup> /min(285-325CFM)
Motor Power	5.5kW(7.5hp)
Voltage	220V, 380V, 440V, 660V, 50Hz/60Hz
Material Charging Height	1.1m
Rotor Speed	11r/min
Overall Dimension(L× W× H)	1.35× 0.75× 1.2m
Net Weight	720kg

**Air motor drive:**

Output Capacity	2.5-5.5m <sup>3</sup> /h
Max. Horizontal Conveying Distance	200m
Suitable Mix Ratio(Cement/Sand)	≤1:3~5
Max. Aggregate Size	Φ15 mm
Conveying Hose Inner Diameter	Φ51 mm
Conveying Pressure	0.2-0.4MPa
Air Consumption for conveying material	7~8m <sup>3</sup> /min
Air Motor Air Pressure	0.5MPa
Material Charging Height	1.1m
Rotor Speed	11rpm
Air Motor Type	TMH6A
Air Motor Air Consumption	7.5m <sup>3</sup> /min
Overall Dimension(length×width×height)	1.35×0.75×1.2m
Net Weight	720kg

**Diesel drive:**

Output Capacity	2-5m <sup>3</sup> /h
Max. Horizontal Conveying Distance	200m
Suitable Mix Ratio(Cement/Sand)	≤1:3~5
Water cement ratio	<0.4
Max. Aggregate Size	Dia.15 mm
Conveying Hose Inner Diameter	Dia.51 mm
Operating air Pressure	0.2-0.4MPa(29-58PSI)
Air Consumption	8-9m <sup>3</sup> /min(285-325CFM)
Material Charging Height	1.1m
Rotor Speed	11r/min
Diesel Engine	10hp,2200rpm, diesel
Diesel Engine Starting	By hand
Overall Dimension(length×width×height)	1.55×0.75×1.2m
Net Weight	770kg

**Certificate:**

CE AND ISO9001-2008



**A complete set of LZ-5 shotcrete machine:**

No.	Description	Quantity	Unit	Remarks
1	LZ-5 Main Machine	1	set	
2	Nozzle Assy.	1	set	
3	Conveying Hose, ID51mm, 50ft.Length	1	piece	
4	water hose with hose hoop	1	piece	
5	Rubber Hose Joint(long)	1	piece	Fitting
6	Rubber Hose Joint(short)	2	piece	Fitting
7	Quick Coupling	3	piece	
8	Upper Sealing Plate	1	piece	
9	Lower Sealing Plate	1	piece	

**Picture:**

**Electric drive:**



**Air motor drive:**



**Diesel drive:**



**Application:**

