



## LZ-3 Dry-mix Shotcrete Machine

### 1. LZ-3 shotcrete machine description:

LZ-3 Shotcrete machine/Gunite machine /Concrete Spraying Machine is small-sized shotcrete machine for the dry spraying process.

LZ-3 shotcrete machine can be used as well for small jobs, such as joint filling, swimming pool, refractory application and extensive slope consolidation work, etc.

LZ-3 shotcrete machine is available in following versions:

Basic: electric drive can be combined with tyre chassis

Extended (optional): air motor or diesel drive combined skid or rail-wheel

### 2. LZ-3 shotcrete machine technical parameters:

#### Electric Motor Driven

|  |                                    |
|--|------------------------------------|
| Output Capacity                        | 3m <sup>3</sup> /h                 |
| Max. Horizontal Conveying Distance     | 200m                               |
| Suitable Mix Ratio(Cement/Sand)        | ≤1:3~5                             |
| Max. Aggregate Size                    | Φ10 mm                             |
| Conveying Hose Inner Diameter          | Φ38/Φ50mm                          |
| Conveying Pressure                     | 0.2-0.4MPa(29-58PSI)               |
| Air Consumption for conveying material | 5~6m <sup>3</sup> /min(180-215CFM) |
| Material Charging Height               | 0.9m                               |
| Rotor Speed                            | 14r/min                            |
| Motor Power                            | 3kW(4hp),IP55                      |
| Available Voltage                      | 220V,380V, 440V,660V 50Hz/60Hz     |
| Overall Dimension(length×width×height) | 1.13×0.54×1.02m                    |
| Net Weight                             | 430kg                              |

#### Air Motor Driven

|  |                                    |
|--|------------------------------------|
| Output Capacity                        | 1.5-3m <sup>3</sup> /h             |
| Max. Horizontal Conveying Distance     | 200m                               |
| Suitable Mix Ratio(Cement/Sand)        | ≤1:3~5                             |
| Max. Aggregate Size                    | Φ10 mm                             |
| Conveying Hose Inner Diameter          | Φ50mm                              |
| Conveying Pressure                     | 0.2-0.4MPa(29-58PSI)               |
| Air Consumption for conveying material | 5~6m <sup>3</sup> /min(180-215CFM) |
| Air Motor Air Pressure                 | 0.5MPa(71PSI)                      |
| Material Charging Height               | 0.9m                               |
| Rotor Speed                            | 14r/min                            |

|  |                                |
|--|--------------------------------|
| Air Motor Type                         | TMH3.2                         |
| Air Motor Air Consumption              | 4.8m <sup>3</sup> /min(171CFM) |
| Overall Dimension(length×width×height) | 1.13×0.54×1.02m                |
| Net Weight                             | 430kg(947lbs)                  |

**Diesel driven:**

|                                    |                                    |
|------------------------------------|------------------------------------|
| Rated Output                       | 2-3m <sup>3</sup> /h               |
| Max. Horizontal Conveying Distance | 200m                               |
| Suitable Mix Ratio(Cement/Sand)    | ≤ 1: 3~5                           |
| Max. Aggregate Size                | Φ 10 mm                            |
| Conveying Hose Inner Diameter      | 38/51mm                            |
| Operating air Pressure             | 0.2-0.4MPa(29-58PSI)               |
| Air Consumption                    | 5~6m <sup>3</sup> /min(180-215CFM) |
| Diesel Engine                      | 10hp,2200rpm                       |
| Diesel Engine Starting             | Electric start                     |
| Clutch Type in Diesel Engine       | Automatic Clutch                   |
| Material Charging Height           | 0.9m                               |
| Rotor Speed                        | 9-13r/min                          |
| Overall Dimension(L× W× H)         | 1.8× 0.8× 1.2m                     |
| Net Weight                         | 480kg                              |

**Certificate:**

CE AND ISO9001-2008



**A complete set of LZ-3 shotcrete machine:**

| No. | Description                         | Quantity | Unit  | Remarks |
|-----|-------------------------------------|----------|-------|---------|
| 1   | LZ-3 Main Machine                   | 1        | set   |         |
| 2   | Nozzle Assy.                        | 1        | set   |         |
| 3   | Conveying Hose, ID38mm, 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:**



**Application:**

