



GSZ3000 Shotcrete Machine

1. GSZ3000 shotcrete machine description:

GSZ3000 shotcrete machine is a universal concrete spraying machine for the processing of wet or dry mix.

The machine is suitable either for manual spraying or by means of a robotic arm.

GSZ3000 is developed for the application of shotcrete in tunnel building, mines and slopes. This machine has been designed especially for fibre spraying. And the dosing unit is combined with this machine.

Basic: Electric drive can be combined with tyre chassis.

Extended (optional): Air motor drive or diesel drive combined with Skid or Rail-wheel

2. GSZ3000 shotcrete machine main technical data:

Electric drive:

Rated Output	5m ³ /h
Max. Horizontal Conveying Distance	35m(wet) 200m(dry)
Max. Aggregate Size	15mm
Concrete Slump	8 -15cm
Conveying Hose Inner Diameter	51/ 64mm
Operating air Pressure	0.3-0.6MPa (43-86PSI)
Air Consumption	10~ 12m ³ /min(357-430CFM)
Main Motor Power	7.5kW(10hp)
Dosing Pump:	BRJ15
Dosing Pump Rated Pressure	0.6MPa(86PSI)
Dosing Pump Output	17.5 -88L /h
Voltage	220V, 380V, 440V, 660V, 50Hz/60Hz
Material Charging Height	1.17m
Rotor Speed	11r/min
Overall Dimension(L × W × H)	2.05× 0.95× 1.18m
Net Weight	1200kg

Air motor drive:

Due to its full pneumatic driven unit, for the required anti-explosion applications, such as coal mining, tunnel and underground engineering, this unit is perfect and specific one.

Rated output	5m ³ /h
Max. horizontal conveying distance	35m(wet) 200m(dry)
Max. aggregate size	Dia.15mm
Concrete slump	8~15cm
Conveying hose	Dia.50/65mm
Operating air pressure	0.2~0.6MPa
Air consumption	22m ³ /min (12+10)
Loading height	1.17m
Rotor Rev.	11r/min
Rebound	≤10 %
Air motor power	8kW
Dosing pump model	BHA530 Dosing pump
Dosing pump rated pressure	0.5MPa
Dosing pump output	0~100L/h
Overall dimension (L×W×H)	1950×1050×1360mm
Weight	1200Kg

Diesel drive:

Output Capacity	3-5m ³ /h
Max. Horizontal Conveying Distance	35m(wet) 200m(dry)
Suitable Mix Ratio(Cement/Sand)	≤1:4~5
Max. Aggregate Size	15 mm
Conveying Hose Inner Diameter	Dia.64 mm
Conveying Pressure	0.2-0.4MPa(29-58PSI)
Air Consumption	10~12m ³ /min(357-430CFM)
Material Charging Height	1.1m
Rotor Speed	7.5-11r/min
Diesel Engine	20hp,2200rpm, Yanmar diesel
Diesel Engine Starting	Electric start
Clutch Type in Diesel Engine	Automatic Clutch
Air Vibrator	OR100,Oli
Overall Dimension(length×width×height)	2.55×1.05×1.25m
Dosing pump model	BHA530 Dosing tank
Net Weight	1300kg

Certificate:

CE AND ISO9001-2008



A complete set of GSZ3000 shotcrete machine:

No.	Description	Quantity	Unit	Remarks
1	Main Machine	1	set	
2	Nozzle Assy.	1	set	
3	Conveying Hose, ID64mm, 50ft.Length	1	piece	
4	Rubber Hose Joint	3	piece	Fitting
5	Quick Coupling	3	piece	
6	Upper Sealing Plate	1	piece	
7	Lower Sealing Plate	1	piece	
8	Dosing pump tube	1	piece	



Cone Casing Pipe



Base Frame of rotor



Nozzle #1 #2



Rubber Chamber



Rotor



Nozzle #3



Clamp #2



Clamp Gasket



Clamp #1



Clamp Device Assy



Vibrator



Mixing shaft



Front Bracket



Long joint



Short joint



Rubber Elbow



Mixer



Steel Rotor Plate



Mesh



Upper sealing plate



Lower Sealing plate



Hopper House



Rear wheel

Pictures:

Electric drive:



Air motor drive:



Diesel Drive:



Dosing pump:



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