



郑州高德机械设备有限公司 Gaode Equipment Co., Ltd.

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GPS-7A Wet Shotcrete Machine

Description:

GPS-7A wet shotcrete machine use hydraulic pumping S valve structure, two oil cylinders Reciprocating motion alternately to pump concrete from conveying pipe to nozzle, Add compress air to wet shotcrete machine outlet and add A percentage of the accelerator at nozzle, concrete slurry be sprayed to surface directly.

GPS-7A output could be adjusted continuously: main oil pump is variable displacement plunger pump, spraying volume could be adjusted freely. Accelerating adding quantity could be adjusted continuously: according to concrete spraying volume adjust step-less. Gaodetec equipped self-lubrication system for the wet shotcrete machine to automatic lubrication for main sealing parts, thus could lengthen wearing parts working life greatly.



Application:

GPS-7A wet shotcrete machine used for wet concrete spraying in mine, tunnel, culvert, metro, hydropower engineering, underground construction, slope protection etc. or for filling, grouting pumping concrete mortar etc.



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Feature:

- Use S valve reversing, good sealing performance, longer working life;
- Equipped floating wearing ring on S valve, could self-compensating wearing;
- High outlet pressure, could meet the demands of concrete pumping for high building;
- Hydraulic system adopt air-cooler, easy operate, don't need water;
- With reverse function, reduce pipe plugged;
- Main oil pump is variable displacement plunger pump, spraying volume could be adjusted freely.
- Equipped self-lubrication system to automatic lubrication for main sealing parts, lengthen wearing parts working life;
- PLC control, With wireless remote control, easy to operate;
- With guide pulley, easy to move, location;
- Accelerating adding quantity could be adjusted continuously.

Technical data sheet:

GPS-7A wet shotcrete machine			
Item	spec	unit	Remarks
output	5-8	m ³ /h	
Max. pressure	8	MPa	
Distribution valve type	S valve		With accumulator
Stroke x cylinder ID	550×120	mm	
Hopper volume	210	L	With mixer and vibrator
Power	22	Kw	
rotation	1450	r/min	
Main oil pump	30-50	cc/Rev	constant power control, Manual variable
Hydraulic oil tank volume	160	L	
Air pressure	0.7	Mpa	shotcrete



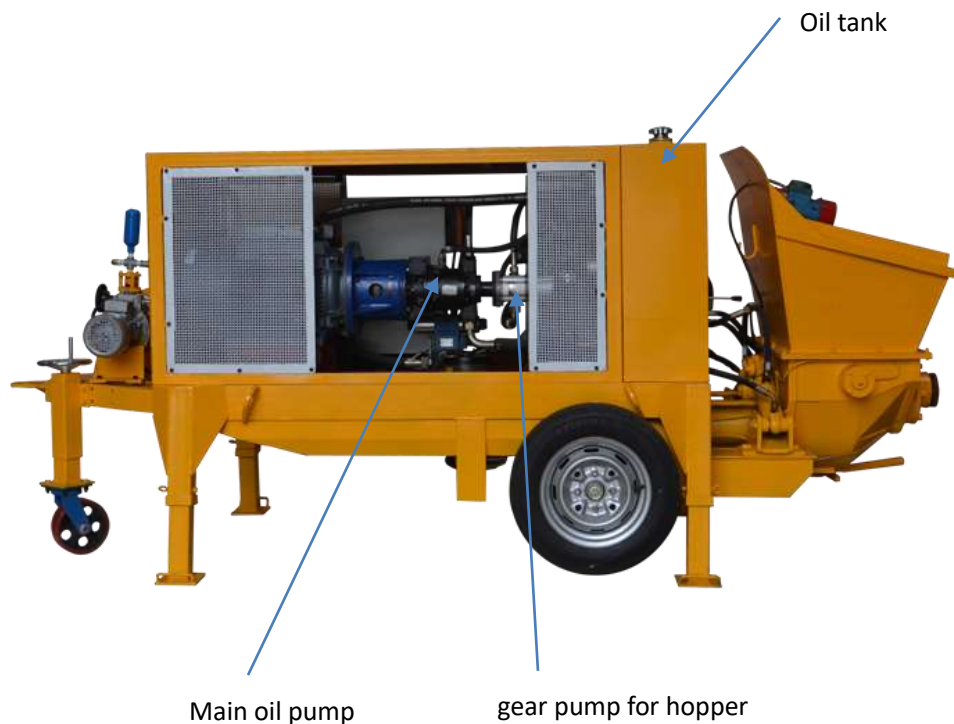
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Air consumption	6	m3/min	shotcrete
Acceptable max. aggregate size	20	mm	
Suitable concrete slump	8-15	cm	
Accelerate flow	70-320	L/min	GH15-200
Dimension	3500x1360x1530	mm	
Weight	1515	Kg	

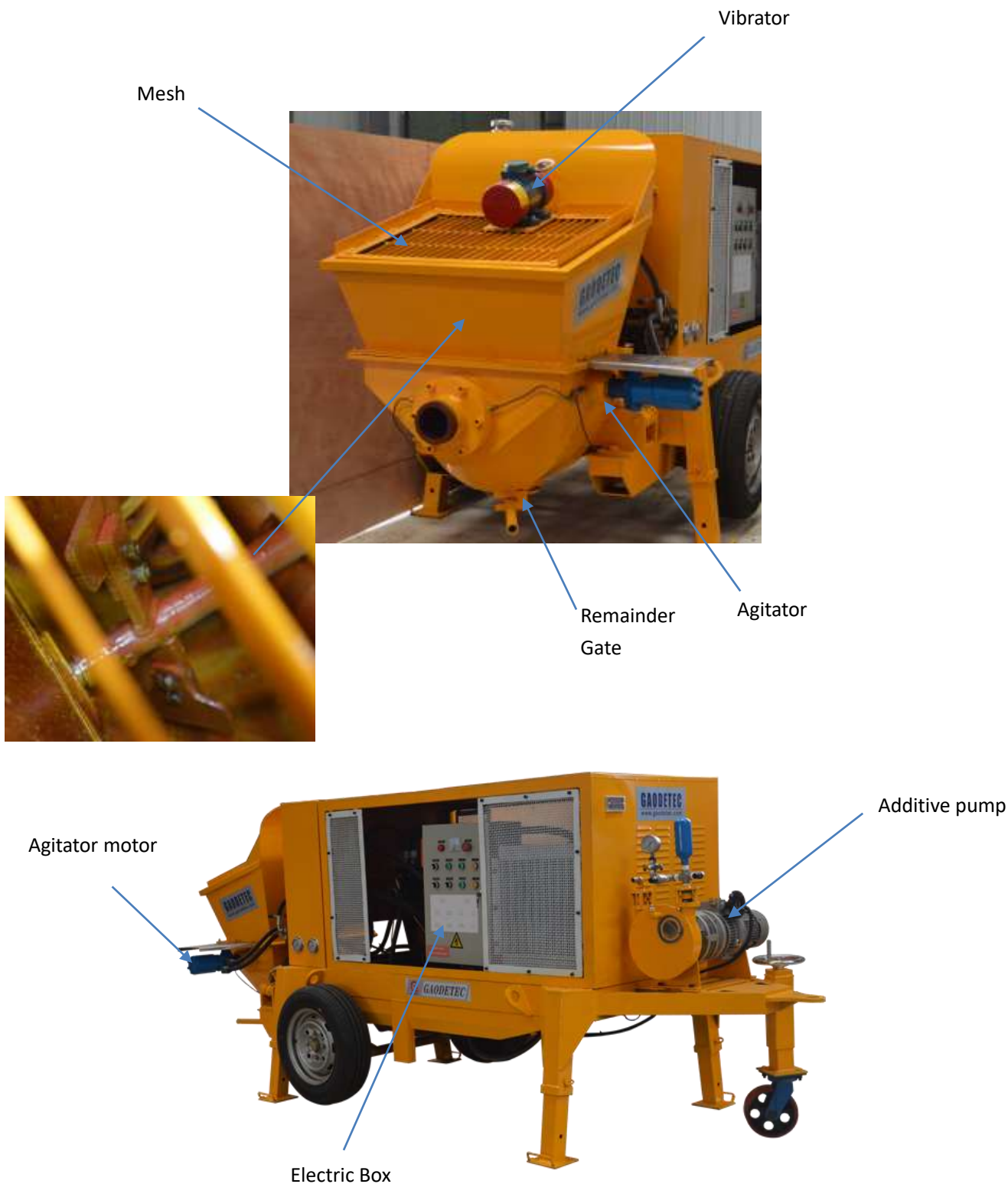
Detailed parts:





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Additive pump stepless speed handle



Auto-lubrication pump



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Hydraulic Valve of Agitator
Forwarder and Reverse



wireless remote control



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PLC control



Shotcrete spray nozzle



High pressure clamp