LOVA *Guncrete* GUNITE MACHINE

Dry-Mix Shotcrete Machine

LOVA:

LOVA provides a very even flow of material which allows uniform hydration and smooth placment.

The adjustable output of material may be increased without sacrificing the quality of the application.

Standard Features:

- Continuous feed hopper with bag breaker
- 2 blade or 5 blade agitator
- Screen and direct drive 5 hp, "8 AM" air motor on LOVA 8
- Screen and direct drive 9 hp, "16 AM" air motor on LOVA 16
- Optional electric drive (LOHE)
- Optional "Bulk-bag" adapter
- Optional ultralight non-stick rotary feed wheel

Applications:

- Pools and Spas
- Refractory Spraying
- Tunnel Support
- Mine Support
- Concrete Repair
- Zoos and Parks
- Rockscaping
- Slope Stabilization
- Excavations
- Channels
- Piers
- Sea Walls
- Sewers
- Retaining & Fire Walls
- Dams & Reservoirs
- Sand & Rock Backfill
- Concrete Pipe
- Ditches

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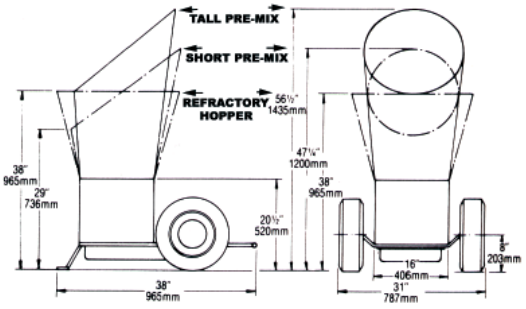
LOVA CONFIGURATIONS- Large Open Vertical-Feed Air-Powered

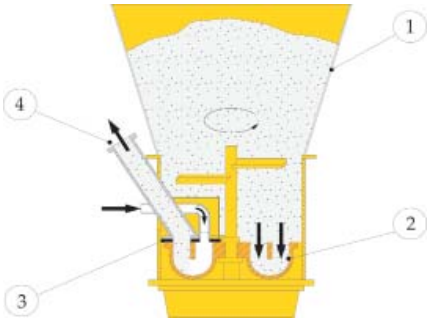
#	Feed Bowl Pockets	Hose Size (I.D.)	Maximum Aggregate Size	Air Compressor (Recommended size at 100 psi)	Maximum Output**	Common Applications
1	30	1" (2.5cm)	1/8" (3.5mm)	210 cfm (6.0m³/min) 8AM 300 cfm (9.0m³/min) 16AM	2yd³/hr (1.5m³/hr)	fine, detailed artistic-type work, rockscaping, patch, repair.
2	21	1 1/4" (3.2cm)	1/4" (7mm)	315-375 cfm (9-11m³/min) 8AM 375-450 cfm (11-13m³/min) 16AM	5yd³/hr (3.8m³/hr)	Refractory spraying, repair work, smooth finish
3	21	1 1/2" (3.8cm)	3/8" (10mm)	375-450 cfm (11-13m³/min) 8AM 450-600 cfm (13-17m³/min) 16AM	6yd³/hr (4.6m³/hr)	Refractory spraying, repair work, smooth finish
4	20	1 1/2" (3.8cm)	1/2" (13mm)	375-450 cfm (11-13m³/min) 8AM 450-600 cfm (13-17m³/min) 16AM	8yd³/hr (6.1m³/hr)	Civil Construction, Higher-Volume Refractory spraying, smooth finish
5	15	2" (5cm)	1/2" (13mm)	450-600 cfm (13-17m³/min) 8AM 600-750 cfm (17-21m³/min) 16AM	12yd³/hr (9.2m³/hr)	Civil Construction Concrete Spraying, (Less Volume than with L.A. (Large Aggregate) system)
6	15L.A.	2" (5cm)	5/8" 16mm	450-600 cfm (13-17m³/min) 8AM 600-750 cfm (17-21m³/min) 16AM	12yd³/hr (9.2m³/hr)	Swimming Pool Construction, conveying aggregate for backfill, civil construction
7	12	2" (5cm)	5/8" 16mm	450-600 cfm (13-17m³/min) 8AM 600-750 cfm (17-21m³/min) 16AM	12yd³/hr (9.2m³/hr)	Swimming Pool Construction (15 L.A. bowl provides smoother finish)

* Additional air may be required depending on altitude and atmospheric pressure.
* L.A. (Large Aggregate Feed Bowl)
**Feed Bowl, material, air system, nozzleman capability together determine maximum output.
Specifications subject to change without prior notice.

MODEL		LOVA 8-4	LOVA 16-4
Maximum Horizontal Conveying Distance	ft m	1000 305	1000 305
Maximum Vertical Conveying Distance	ft m	300 91	300 91
Hopper		Standard, Tall Pre-Mix, Short Pre-Mix & Refractory	Standard, Tall Pre-Mix, Short Pre-Mix & Refractory
Gross Weight (Approx.)	lbs kg	635 288	699 312

Maximum theoretical performance shown above. Performance will vary depending on mix design, delivery line diameter, and distance. Specifications subject to change without prior notice.





Operating Principle:

REED's LOVA dry mix gun has been using the same basic operating principle for almost 50 years.

1. The dry mix is fed through a hopper into the pockets of the rotary feed wheel.
2. The rotary feed wheel, driven by a heavy-duty oil bath gear drive, rotates the mix under the conveying air inlet and material outlet.
3. With the introduction of single source compressed air, the mix is evacuated from the feed wheel pockets and then travels through the outlet.
4. The dry mix is then conveyed in suspension through the dry mix hose to the shotcrete nozzle where water is introduced.

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13822 Oaks Avenue • Chino, California 91710-7008 USA • 909-287-2100
Fax: 909-287-2140 • Toll-free: 888-779-7333 • www.reedpumps.com