



AIR VOLUME MEASUREMENT in CUBIC FEET PER MINUTE

Slimline Manufacturing Ltd has taken air volume measurements of their Airblast sprayers and following are the results, tested at 540 Pto speed.

Series :	<u>V150</u>	<u>S250</u>	<u>S250 &350</u>		<u>S450</u>
Turbine size:	19"	24"	30"	30"	38"
Gearbox:	M47	M47	M55	M60	M55
<u>Cubic feet per minute (CFM)</u>					
Standard outlets Low gear	6553	11,468	19,593	n/a	n/a
Standard outlets High gear	7244	13,558	22,572	n/a	n/a
Wide mouth outlets Low			21,944	31,497	34,050
Wide mouth outlets High gear			25,551	36,265	40,059
Engine drive (Cummins diesel)					50,384
<u>Air speed in miles per hour</u>					
Standard outlets Low gear	95	110	130	n/a	120
Standard outlets High gear	105	130	150	n/a	135
Wide mouth outlets Low gear	n/a	n/a	n/a	160	n/a
Wide mouth outlets High gear	n/a	n/a	130	185	n/a
Engine drive (Cummins diesel)	n/a	n/a	n/a	n/a	170

CFM MEASUREMENTS OF THE SARDI HYDRAULIC FANS SYSTEM

Per row to compare to PTO airblast

FAN RPM	380 MM fan (small-6 nozzles)	500MM fan (large-8 nozzles)
2000	3122 per fan x4= 12,488	3654 per fan x 4 = 14,616
2250	3544 per fan x 4 = 14,176	4046 per fan x 4 = 16,184
2500	3924 per fan x 4 = 15,696	4831 per fan x 4 = 19324
2750	4181 per fan x 4 = 16,724	5240 per fan x 4 = 20,960

Multiple tests in Australia have concluded that the best coverage is obtained at 2250 RPM's in the 500MM fan and at 2500 RPM's in the 380MM fans.