



SIMPSON® GROUP

BEARDSLEY & PIPER SPEEDMULLOR®

The first version B&P “Speedmullor” was first introduced to the metal casting industry in 1937 and has since become one of the most popular methods of sand mixing for foundries throughout the world. Today’s modern B&P Speedmullor is an advanced, fully automated, high intensity batch type green sand mixing system for the high-speed production of close-tolerance molding sand for the production of ferrous and non-ferrous metal castings. Available in seven models and capacities of up to 150 tph (135 mtph) the Speedmullor is an excellent solution to most sand preparation requirements in medium to large sized foundries. The basic B&P Speedmullor Mixing Group consists of the Speedmullor in combination with a Hartley® On-Line Compactability Controller to provide muller control and automation and a Hartley Model 90Mk2 Bond Dosing System to provide precision weight control and pneumatic injection of dry materials (primarily bentonite bond) to the muller.



FEATURES AND BENEFITS

- **High intensity mixing is achieved to produce short cycle times but the mixing technique of mulling is still utilized to provide the best overall coating of each individual sand grain with the bentonite, water and other additives. The optimal development of maximum bonding forces allows for a reduction in expensive bentonite and other additives.**
- **Short cycle times result in high output which allows for a smaller, more compact installation and a reduction in the required capital investment and installation costs.**
- **As a standard, the Speedmullor is supplied with an integrated Hartley control system, including all required sensors and control devices, to provide full muller automation and control and therefore requiring no operator.**
- **An integrated cooling air system is available to provide secondary cooling in tropical climates or in applications where relatively long cycle times are expected. The cooling air also provides fluidization of the sand batch which reduces the load on the main drive motor.**
- **The Speedmullor is designed with unitized construction which speeds disassembly time when part replacement is finally required.**

B & P SPEEDMULLOR®

Model No		LAB	45-B	55-B	75-B	85-B	100-B	100B-250	150B
Capacity	lbs	25-40	750	1,200	1,800	3,500	5,000	6,000	7,500
	kgs	11-18	340	544	816	1,588	2,268	2,722	3,400
Max. Hourly Capacity* With Cooling - 90 sec cycle	tons	N/A	15	24	36	70	100	120	150
	m. tons	N/A	14	22	33	64	91	109	136
Motor	hp	3	30	60	100	125	200	250	400
	kw	2.2	22	45	75	93	150	186	298
Cooling Blower	hp	N/A	5	10	15	20	30	30	30
	kw	N/A	3.7	7.5	11	15	22	22	22
Overall Width	in	28	68	84	98	115	140	140	154
	mm	711	1,727	2,134	2,489	2,921	3,556	3,556	3,912
Overall Length	in	40	68	99	108	136	154	154	171.5
	mm	1,016	1,727	2,515	2,743	3,454	3,912	3,912	4,356
Typical Overall Height	in	43.5	98.5	114	124.5	138.5	145	157	195
	mm	1,105	2,502	2,896	3,162	3,518	3,683	3,988	4,953
Muller Wheels - Solid Rubber (Replaceable)		1	2	2	2	2	3	3	3
Shipping Weight	lbs	610	7,200	10,000	18,000	25,500	33,500	33,800	66,000
	kgs	280	3,270	4,540	8,170	11,570	15,200	15,330	29,940

* Batch capacity, hourly capacity and cycle times are approximate and dependent upon sand formulation and degree of cooling desired.
 All figures are approximate and are subject to change depending upon your application.



Simpson Technologies Corporation

Beardsley & Piper LLC

Hartley Controls Corporation

Simpson Technologies Corporation

751 Shoreline Drive, Aurora, Illinois 60504-6194 USA

Telephone: (630) 978-0044 • Telefax: (630) 978-0068

Email: sales@simpsongroup.com

Web: www.simpsongroup.com

Simpson Technologies Corporation

Baarerstrasse 77, CH-6300 Zug, Switzerland

Telephone: +41(41) 711 15 55 • Telefax: +41 (41) 711 1387