

Industrial Mixer Specification Sheet

Full model range 3.5 to 1,000+ cu ft • SS304 frame + SS316 product-contact parts standard • In stock: Florida • California • Ohio • +1 (216) 329-3298 • office@quickpropack.com

Full Model Range — Horizontal Ribbon Mixers (U.S. Units)

Capacity	Motor	Speed	Max batch*	Length	Width	Height	Weight	Availability
3.5 cu ft	2 HP	60 RPM	70–175 lbs	~5 ft	~1.6 ft	~2.3 ft	~880 lbs	In stock — FL, CA, OH
5 cu ft	3 HP	60 RPM	100–250 lbs	~6 ft	~2 ft	~3 ft	~1,100 lbs	In stock — FL, CA, OH
10 cu ft	5 HP	60 RPM	200–500 lbs	~7 ft	~2.1 ft	~3.1 ft	~1,600 lbs	In stock — FL, CA, OH
15 cu ft	7.5 HP	41 RPM	300–750 lbs	~7.5 ft	~2.3 ft	~3.4 ft	~1,980 lbs	In stock — FL, CA, OH
20 cu ft	10 HP	41 RPM	400–1,000 lbs	~8 ft	~2.6 ft	~3.9 ft	~2,640 lbs	In stock — FL, CA, OH
30 cu ft	15 HP	33 RPM	600–1,500 lbs	~9 ft	~3.3 ft	~4.8 ft	~3,960 lbs	In stock — FL, CA, OH
50 cu ft	20 HP	33 RPM	1,000–2,500 lbs	~11 ft	~3.6 ft	~5.4 ft	~4,850 lbs	In stock — FL, CA, OH
75 cu ft	25 HP	33 RPM	1,500–3,750 lbs	~13 ft	~4.3 ft	~6.4 ft	~7,050 lbs	In stock — FL, CA, OH
100 cu ft	30 HP	26 RPM	2,000–5,000 lbs	~14 ft	~4.6 ft	~6.6 ft	~8,820 lbs	In stock — FL, CA, OH
150 cu ft	40 HP	26 RPM	3,000–7,500 lbs	~15 ft	~5.2 ft	~6.9 ft	~12,100 lbs	In stock — FL, CA, OH
200 cu ft	50 HP	26 RPM	4,000–10,000 lbs	~17 ft	~5.9 ft	~7.2 ft	~15,400 lbs	In stock — FL, CA, OH
250 cu ft	60 HP	20 RPM	5,000–12,500 lbs	~18 ft	~6.2 ft	~7.9 ft	~18,750 lbs	In stock — FL, CA, OH
300 cu ft	75 HP	20 RPM	6,000–15,000 lbs	~20 ft	~6.6 ft	~8.5 ft	~22,050 lbs	In stock — FL, CA, OH
350 cu ft	100 HP	20 RPM	7,000–17,500 lbs	~22 ft	~6.9 ft	~9.2 ft	~26,460 lbs	In stock — FL, CA, OH
500 cu ft	125 HP	16 RPM	10,000–25,000 lbs	~26 ft	~7.5 ft	~10 ft	~33,100 lbs	Contact us
750 cu ft	150 HP	14 RPM	15,000–37,500 lbs	~30 ft	~8.5 ft	~11 ft	~45,000 lbs	Available to order
1,000 cu ft	200 HP	12 RPM	20,000–50,000 lbs	~35 ft	~9.5 ft	~12 ft	~60,000 lbs	Available to order
1,000+ cu ft	Custom	Custom	50,000+ lbs	Custom	Custom	Custom	Custom	Custom — 8–10 wks

* Max batch weight approximated at ~50 lbs/cu ft bulk density and 40–70% loading ratio. Actual batch weight varies by material — always provide your material's bulk density when requesting a quote. Dimensions are approximate overall dimensions including drive and standard legs; confirm with technical drawing at order.

Standard Specification — All In-Stock QUICK PROPACK Units

Specification	Standard build detail
Frame / structural	SS304 stainless steel — all non-product-contact structural components
Product-contact parts	SS316 stainless steel — agitator, vessel interior, shaft, discharge valve, all interior welds (standard, no upgrade cost)
Compliance (standard build)	FDA 21 CFR food contact, USDA, GMP (21 CFR Part 211), USP Class VI — out of the box
Loading ratio / mix time	40–70% of vessel volume; 5–15 minutes typical for dry powders; 90–95%+ blend uniformity
Drive system	K-series helical-bevel gear reducer; Siemens/ABB/SEW-class motor; NEMA frame; 230/460V, 60Hz, 3-phase
Discharge	Manual flat slide gate standard — pneumatic gate, butterfly, flap, ball, bomb bay, screw-assist optional
Shaft seals	Packing seals standard — mechanical (single/double), pneumatic+packing, gas purge optional
Cover & safety	Hinged gasketed cover with interlock limit switches; OSHA-compliant guards; emergency stop
Interior finish	2B mill finish standard — #4 brushed, #7 mirror (GMP), USDA Dairy electropolish optional
Material upgrades	Full SS316L (GMP, with MTCs), SS317L critical zones, carbon steel heavy duty, Hastelloy C-276 (special order)
Thermal / vacuum options	Full welded or dimple jacket, ASME Section VIII certified, -40°F to 500°F; vacuum to 29.5 in Hg with N2 purge
Automation options	VFD, PLC + touchscreen HMI, recipe management, 21 CFR Part 11 batch data logging, load cells
Explosion-proof	ATEX-rated motors, controls, and enclosures available on all models — specify zone at quote
U.S. warehouse stock	Florida · California · Ohio — full standard range 3.5–350 cu ft; ships as domestic freight in days
Custom order lead time	8–10 weeks; jacketed with ASME stamp 10–12 weeks

How to Size Your Mixer

Required mixer size (cu ft) = Batch weight (lbs) ÷ Bulk density (lbs/cu ft) ÷ Loading ratio (0.40–0.70)

Example: 3,000 lbs of spice blend ÷ 40 lbs/cu ft ÷ 0.55 = 136 cu ft → select the 150 cu ft model (in stock). Round up to the next standard model. Not sure of your bulk density? Our team calculates it with you — free, before you order.

Confirm stock and request a formal quote — response within 24 business hours.

Call +1 (216) 329-3298 • office@quickpropack.com • www.quickpropack.com • eBay: [ebay.com/str/alpinamotorizationsystems](https://www.ebay.com/str/alpinamotorizationsystems)