

## XL MEGABUCKER - TECHNICAL DATA SHEET

The XL MegaBucker is a destemming system capable of high throughputs of wet or dry material. The system consists of multiple components built into a twin axle trailer unit for optimal portability. Accommodating up to 16 operators, it features two fixed speed conveyors for stem and flower removal, and one variable speed conveyor for unprocessed product delivery to operators.

SYSTEM FEATURES	XL MEGABUCKER
<b>Throughput</b>	Up to 2,400 Lb./hour (Fully Hydrated)
<b>Power Requirements</b>	230VAC 1-Phase 60 Hz. 70A
<b>Infeed Conveyor</b>	Variable Speed
<b>Infeed Conveyor Width</b>	12"
<b>Infeed Conveyor Length</b>	21.5'
<b>Infeed Conveyor Controls</b>	Forward/Reverse + Speed
<b>Outfeed Conveyor (Flower)</b>	12" Wide Fixed Speed
<b>Outfeed Conveyor Loading</b>	304 Stainless Steel Diverter
<b>Outfeed Conveyor (Stems)</b>	12" Wide Fixed Speed
<b>Emergency Stop</b>	Yes (x2)
<b>Bucker Stations</b>	12 (Four 3-Operator Stations)
<b>Bucker Nozzle Size</b>	Alternating 3/8" and 1/2" Nozzles
<b>Bucker Nozzle Count</b>	30 per Station (120 Total)
<b>Bucker Nozzle Height</b>	48" Working Height
<b>Bucker Rollers</b>	6.5" Diameter Neoprene
<b>Operator Platform Dimensions</b>	24" Wide x 18' Length
<b>Operator Platform Material</b>	Non-Slip Safety Decking
<b>Washdown rating</b>	IP65
<b>RoHS compliant</b>	Yes
<b>Primary Material</b>	Stainless Steel and Powder-Coated Steel

1. Both values are the input rates for bucked material. Wet material denotes fully hydrated, dry material denotes 9-13% moisture content.

Based on tested values conducted by CPro Solutions Inc.

2. 220V system has CSA certification only (pending)

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MATERIAL SPECS	XL MEGABUCKER
Frame	Powder-Coated Steel
Bucker Faceplates	304 Stainless Steel
Flower to Exit Conveyor	304 Stainless Steel
Sheet Metal Body	Power-Coated Steel
Bearings	Steel
Bearing Grease	Food Grade Grease
Fastener Grease	FDA-Approved Anit-Seize

CONVEYOR MOTOR SPECS	XL MEGABUCKER
Model Number	VEM3538
Enclosure	TEFC
Frame	56C
Frame Material	Steel
Frequency	60Hz
Output	.5HP
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Agency ApprovalsUR	UR   CSA EEV   CSA
Ambient Temperature	40 °C
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1.540 A @ 230.0 V
Efficiency @ 100% Load	82.50%
High Voltage Full Load Amps	0.8A
Front Face Code	Standard
Insulation	ClassF
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Termination	Flying Leads
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Type	3514M
Number of Poles	4
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
RoHS Status	ROHS COMPLIANT
Speed	1735 RPM

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BUCKER MOTOR SPECS	XL MEGABUCKER
Motor Frame Size	NEMA 56 - 7.47 in (189.74 mm) sq.
Length	9.22 in (234.19 mm)
Input Voltage Range	220 VAC 1-Phase
Peak Torque	4,652 oz-in (32.9 N-m)
Cont. (RMS) Torque	1,147 oz-in (8.1 N-m)
Max Speed	2760 RPM
Achievable Resolution	0.090 degrees
Repeatability	0.006 degrees
Shaft Diameter	0.63 in (15.88 mm)
Weight	25.0 lb (11.3 kg)
Rotor Inertia	103.4 oz-in <sup>2</sup> (18.9 kg-cm <sup>2</sup> )
Logic Input Voltage Range	4.0 to 28 VDC
Maximum Radial Load	170 lbf (756.2 N)
Maximum Thrust Load	40 lbf (177.9 N) in; 70 lbf (311.4 N) out
Environmental Rating	IP65
Ambient Temperature	0-70 deg C (derated >40C)
Ambient Humidity	0-95%; non-condensing
Regulatory Certifications	UL Listed   CE Certified; RoHS
Country of Origin	USA
Warranty	2 Years