

ChemVac Conveyor Models 100, 150, 200 by Christianson Systems

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CHEM-VAC
COOL UNDER PRESSURE™



	Model 100	Model 150	Model 200
X Maximum Conveying Rate Per Hour	40,000 lbs (18,144 kg)	100,000 lbs (45,360 kg)	135,000 lbs (61,235 kg)
Conveying Line Size	4 inch (102 mm)	6 inch (152 mm)	6 inch (152 mm)
Power			
Diesel Engine	Caterpillar C6.6 – std	Caterpillar C6.6 – std	Caterpillar C6.6 – std
LP – Liquid Propane Engine – opt xxx(fuel tank not included)			
Electric			
Engine Related Features – std			
Fuel Tank Capacity	60 Gallon w/Gauge – (227 liter)	60 Gallon w/Gauge – (227 liter)	60 Gallon w/Gauge – (227 liter)
Engine Safety Shut-Down	Murphy Oil/Temp Switches	Murphy Oil/Temp Switches	Murphy Oil/Temp Switches

Engine Options – all units			
Muffler	City Critical – std	City Critical – std	City Critical – std
Heater	Engine Block – std	Engine Block – std	Engine Block – std
Sound Reduction	Engine Enclosure – opt	Engine Enclosure – opt	Engine Enclosure – opt
Engine Speed Control	Remote Pendant – opt	Remote Pendant – opt	Remote Pendant – opt
Electric Motor – opt			
Type, Phase, Frequency, Voltage xxx(others available)	TEFC, 3 Phase, 60 Hz, 230 Volt	TEFC, 3 Phase, 60 Hz, 230 Volt	TEFC, 3 Phase, 60 Hz, 230 Volt
Control Panel – Y-Delta, NEMA 4 xxxEnclosure with Start & Stop Buttons, Volt xxxMeter, Hour Meter – opt	NEMA or IEC Rated Starter – opt	NEMA or IEC Rated Starter – opt	NEMA or IEC Rated Starter – opt
Air Pumps – Positive Displacement			
Quantity & Rating	1 @ 15" Hg Max, 1 @ 15 PSI Max	1 @ 15" Hg Max, 1 @ 15 PSI Max	1 @ 15" Hg Max, 1 @ 15 PSI Max
Relief Valve Protection	Vacuum / Pressure	Vacuum / Pressure	Vacuum / Pressure
Air-to-Air Heat Exchanger – opt			
Other Cooling Systems Available	Liquid Type – opt	Liquid Type – opt	Liquid Type – opt

Vacuum and Pressure Gauges	Liquid Filled, 4" diameter	Liquid Filled, 4" diameter	Liquid Filled, 4" diameter
High-Temp Shut-Down Control – opt	Adjustable Temperature Gauge – opt	Adjustable Temperature Gauge – opt	Adjustable Temperature Gauge – opt
Silencers	Heavy Duty Vacuum and Pressure	Heavy Duty Vacuum and Pressure	Heavy Duty Vacuum and Pressure
Airlock			
Capacity – cfr xxx(cubic feet per revolution)	1.23 cfr	1.85 cfr	1.85 cfr
Type and Bearing Mount	Drop Through, Outboard Bearing	Drop Through, Outboard Bearing	Drop Through, Outboard Bearing
Housing and Endplate Construction	CI – std, CP – opt, SS – opt	CI – std, CP – opt, SS – opt	CI – std, CP – opt, SS – opt
Rotor	Open End w/ Beveled Rotor Blades – std Closed End – opt	Open End w/ Beveled Rotor Blades – std Closed End – opt	Open End w/ Beveled Rotor Blades – std Closed End – opt
Rotor Construction	CS – std, SS – opt	CS – std, SS – opt	CS – std, SS – opt
Airlock Drive	Reversible Hydraulic Chain Drive – std	Reversible Hydraulic Chain Drive – std	Reversible Hydraulic Chain Drive – std
Electric Powered Units Only – opt	Electric, 1.5 hp (1.5 kW) – opt	Electric, 1.5 hp (1.5 kW) – opt	Electric, 1.5 hp (1.5 kW) – opt
Airlock Mixing Chamber	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt

Air Filtration and Bulk Material Separation			
Machine Cyclone	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt
Air Filtration System (AFS)	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt
Secondary Air Filtration System – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt
Vacuum Filter Canister w/Element – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt
Pressure Filter Canister w/Element – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt
High Temperature Filter Element – opt	> 200° F – opt	> 200° F – opt	> 200° F – opt
Truck Loading Kit (TLK) – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt	CS – std, 304 SS – opt
Hydraulic TLK System – opt	Hydraulic Ram – opt	Hydraulic Ram – opt	Hydraulic Ram – opt
Discharge Hose Support Boom -opt	Hand Winch Operated – opt	Hand Winch Operated – opt	Hand Winch Operated – opt
Chassis			
Chassis Types – Note: Forklift versions xxxavailable	4-Wheel Towable – std Highway Legal Towable – opt	4-Wheel Towable – std Highway Legal Towable – opt	4-Wheel Towable – std Highway Legal Towable – opt
Self Propelled Drive – opt	4-Wheel Chassis Only – opt	4-Wheel Chassis Only – opt	4-Wheel Chassis Only – opt
Grounding Cables – std xxx(except for electric powered units)	Length = 33' (10 m)	Length = 33' (10 m)	Length = 33' (10 m)

Metal Preparation and Finish		Sandblasted / Polyurethane Paint		Sandblasted / Polyurethane Paint		Sandblasted / Polyurethane Paint	
x	Dimensions in feet & inches (meters) approx.	4-Wheel, Towable	Highway Legal	4-Wheel, Towable	Highway Legal	4-Wheel, Towable	Highway Legal
	Length	15' 2"(4.6 m)	15' 2"(4.6 m)	15' 2"(4.6 m)	15' 2"(4.6 m)	15' 2"(4.6 m)	15' 2"(4.6 m)
	Width – With TLK Down	8' 6"(2.6 m)	15' 2"(4.6 m)	8' 6"(2.6 m)	15' 2"(4.6 m)	8' 6"(2.6 m)	15' 2"(4.6 m)
	Height – With TLK Down	10' 9"(3.3 m)	15' 2"(4.6 m)	10' 9"(3.3 m)	15' 2"(4.6 m)	10' 9"(3.3 m)	15' 2"(4.6 m)
	Height – With TLK Up	15' 4"(4.7 m)	15' 2"(4.6 m)	10' 9"(3.3 m)	15' 2"(4.6 m)	10' 9"(3.3 m)	15' 2"(4.6 m)
	Height – TLK Clearance	13' 6"(4.1 m)	15' 2"(4.6 m)	13' 6"(4.1 m)	15' 2"(4.6 m)	13' 6"(4.1 m)	15' 2"(4.6 m)
	Weight – Approximate – Fully Equipped	7,850 lbs (3,561 kg)	8,890 lbs (4,032 kg)	8,710 lbs (3,951 kg)	9,950 lbs (4,513 kg)	8,860 lbs (4,019 kg)	10,100 lbs (4,581 kg)