

CSI-D3™ an CSI-D4™ Vertical Cuttings Dryer

Elgin's CSI-D3™ and CSI-D4™ VCD are the world's first, and patent-pending, dual-drive dryer. This novel technology allows operators the ability to adjust the performance of the dryer based on the nature of the solids being fed to it. Using a combination of proprietary gear boxes, operators can adjust both the applied G-force and the dwell time between the scraper flites and the screen. This technology allows the VCD to be used in both oil-based and water-based drilling fluid environments.

The most common problems causing system shutdown, during operation, is associated with the lubrication system. Whether it is low pressure levels, exhausted filter, flow switch monitoring, fluid levels, or damaged hoses, the operation of the VCD comes to a stop.

The CSI-D3™ and CSI-D4™ requires no active lubrication equipment or belt drive assembly making it the perfect solution for waste cuttings management.


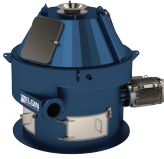
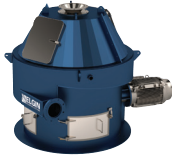
Perfect Solution for Managing Oil-Based and Water-Based Waste Cuttings

- Designed to reduce drill cuttings moisture on waste solids by 95%.
- Recover thousands of gallons of drilling fluid and water that would normally have been disposed of with the waste drill cuttings.
- Dewatered waste solids dramatically reduce waste disposal trucking fees.
- Direct-drive technology for oil-based and water-based applications.
- Reduced maintenance costs and and equipment downtime.



CSI-D3 and CSI-D4
Vertical Cuttings Dryer



Model Number:	CSI-D3™	CSI-D4™	CSI-D5™
Equipment Image:			
Feed Capacity:	25 to 40 TPH (6.2 to 11.11 kg/s)	40 to 80 TPH (11.11 to 22.2 kg/s)	80 to 100 TPH (22.2 to 27.8 kg/s)
Maximum G-Force:	460V / 60Hz - 300 to 700 G's (VFD) 360V / 50Hz - 300 to 500 G's (VFD)	460V / 60Hz - 300 to 550 G's (VFD) 360V / 50Hz - 300 to 450 G's (VFD)	460V / 60Hz - 300 to 550 G's (VFD) 360V / 50Hz - 300 to 450 G's (VFD)
Screen Opening Sizes:	0.008" (0.2mm) to 0.04" (1.0mm) [0.02" (0.5mm) Standard]	0.008" (0.2mm) to 0.04" (1.0mm) [0.02" (0.5mm) Standard]	0.008" (0.2mm) to 0.04" (1.0mm) [0.02" (0.5mm) Standard]
Gear Box Ratio:	VFD Variable	VFD Variable	VFD Variable
Screen Surface Area:	7.11 sq. ft. (0.661 sq. m.)	13.3 sq. ft. (1.25 sq. m.)	15.5 sq. ft. (1.44 sq. m.)
Motor Horsepower:	(1) 25 hp (18.3 kw) & (1) 5 hp (3.7 kw)	(1) 60 hp (44.74 kw) & (1) 15 hp (11.19 kw)	(1) 75 hp (55.16 kw) & (1) 20 hp (14.71 kw)
Voltage:	460v / 60Hz or 380V / 50Hz 3-Phase (Dual Rated Inverter-Duty Motor)	460v / 60Hz or 380V / 50Hz 3-Phase (Dual Rated Inverter-Duty Motors)	460v / 60Hz or 380V / 50Hz 3-Phase (Dual Rated Inverter-Duty Motors)
Electrical Classification:	Class I – Division I VFD Explosion Proof – Group D (Temp. Rating of 55° C)	Class I – Division I VFD Explosion Proof – Group D (Temp. Rating of 55° C)	Class I – Division I VFD Explosion Proof – Group D (Temp. Rating of 55° C)
Dimensions (without stand):	84" (2,134 mm) L x 62" (1,575 mm) W x 56" (1,422 mm) H	101" (2,565 mm) L x 71" (1,803 mm) W x 76" (1,930 mm) H	101" (2,565 mm) L x 71" (1,803 mm) W x 76" (1,930 mm) H
Weight (Without Stand):	3,900 lbs (1,769 kgs)	8,300 lbs (3,765 kgs)	9,400 lbs (4,264 kgs)

