

Elgin's CSI-D3™ VCD is 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 CSI-D3™ 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 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 applications.
- Reduced maintenance costs and and equipment downtime.



Model Number:	CSI-D3
Equipment Image:	
Feed Capacity:	25 to 40TPH (6.2 to 11.11 kg/s)
Maximum G-Force:	460V / 60Hz - 300 to 700 G's (VFD) 360V / 50Hz - 300 to 500 G's (VFD)
Screen Opening Sizes:	0.008" (0.2mm) to 0.04" (1.0mm) [0.02" (0.5mm) Standard]
Gear Box Ratio:	VFD Variable
Lubrication System	Oil Sealed
Screen Surface Area:	3,900 lbs (1,769 kgs)
Motor Horsepower:	7.11 sq. ft. (0.661 sq. m.)
Voltage:	(1) 25 hp (18.3 kw) & (1) 5 hp (3.7 kw)
Electrical Classification:	460v / 60Hz or 380V / 50Hz 3-Phase (Dual rated Inverter-Duty Motor)
Dimensions (without stand):	Class I – Division I VFD Explosion Proof – Group D (Temp. Rating of 55° C)
Weight (Without Stand):	7' (2.1 m) L x 5.2' (1.6 m) W x 4.7' (1.4 m) H

