Tecumseh's 2075 Full Variable Speed Centrifuge

TEC-2075-FVS

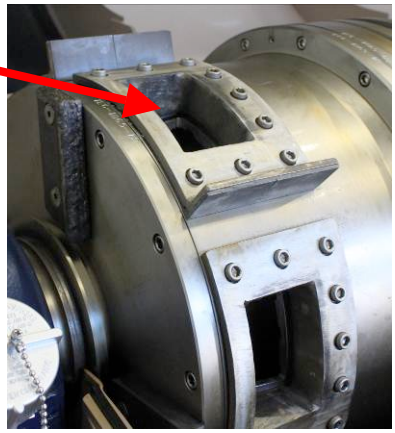
The Tec-2075-FVS centrifuge is a Full Variable Speed model, which provides operators with the ability to adjust operating parameters including the differential speed, bowl speed, and feed rates while the centrifuge is in operation.

Our 2075 Full Variable Speed centrifuge has the added benefit of a "direct drive" conveyor drive assembly. With the direct conveyor drive design, we have increased the efficiency of the conveyor drive motor significantly as well as eliminated any maintenance issues associated with utilizing belts and sheaves.

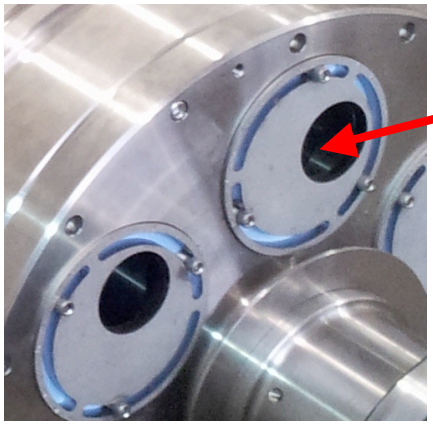
Flexibility, reliability and performance are attributes that all of our centrifuges come with. **Tecumseh, we truly *are* the experts!**

Tecumseh Industries Ltd. www.tecumsehcentrifuges.ca
604 – 21st Street SE, High River, Alberta T1V 2A6 • Telephone: (403) 601-2424 • Facsimile: (403) 601-2473

6 Solids
Discharge Ports



TEC-2075-FVS Centrifuge Solids Discharge End



6 Liquid
Discharge Ports

TEC-2075-FVS Centrifuge Liquid Discharge End

TEC-2075-FVS CENTRIFUGE APPLICATIONS

- Weighted Drilling Fluids Processing
- Drilling Fluids Processing & Polishing
- Dewatering
- Barite Recovery
- Meat Rendering & Nutrient Control
- Waste Fluids Treatment, Recovery, and Disposal
- Produced Water Processing
- Pulp and Paper
- Sump Cleaning
- Heavy Oil Drilling and Plant Processes
- Distillers (Brewing Industry)
- Municipal Waste Water Treatment
- Bio Fuel
- Industrial & Chemical
- Vegetable Oil
- Fish Oil & Fish Meat
- Dairy & Beverage
- Marine

PROCESSING SPECIFICATIONS

Maximum Hydraulic Capacity 2.3 m^3/min. (607 US-GPM) with water.
Maximum Rated of Solids Loading: 28,000 lbs/hour (14 tons/hour)
Sound Level: 90dBa @ 1m

BUILD NOTES

-Seals are Viton/Buna-N
-Stainless Steel Construction
-Wear Protection
-Tungsten Carbide
-Removable Liner in Bowl Section

OPERATING SPEEDS FOR OILFIELD APPLICATIONS

Low Speed Operation for High Gravity Solids Removal (i.e. barite recovery)
Bowl Speed: 800 – 1,700 RPM
Acceleration: 182 – 820 G‘s
Differential: 30 – 60 RPM

High Speed Operation for Low Gravity Solids Removal (i.e. fine drilled solids polishing)
Bowl Speed: 1,800 – 2,800 RPM
Acceleration: 920 – 2,226 G’s
Differential: 10 – 30 RPM

Maximum Safe Operating Range
Bowl Speed: 2,800 RPM
Acceleration @ 2,800 RPM: 2226 G’s
Differential Range: 10 to 60 RPM

TEC-2075-FVS OTHER SPECIFICATIONS

Bowl Dimensions
20” diameter x 75” long

Beach Angle
8-degree beach angle

Pool Port (pond) Adjustment
1 – 7 units of adjustment. X 6 ports

Main Drive Motor:
150hp

Conveyor Drive Motor:
30hp

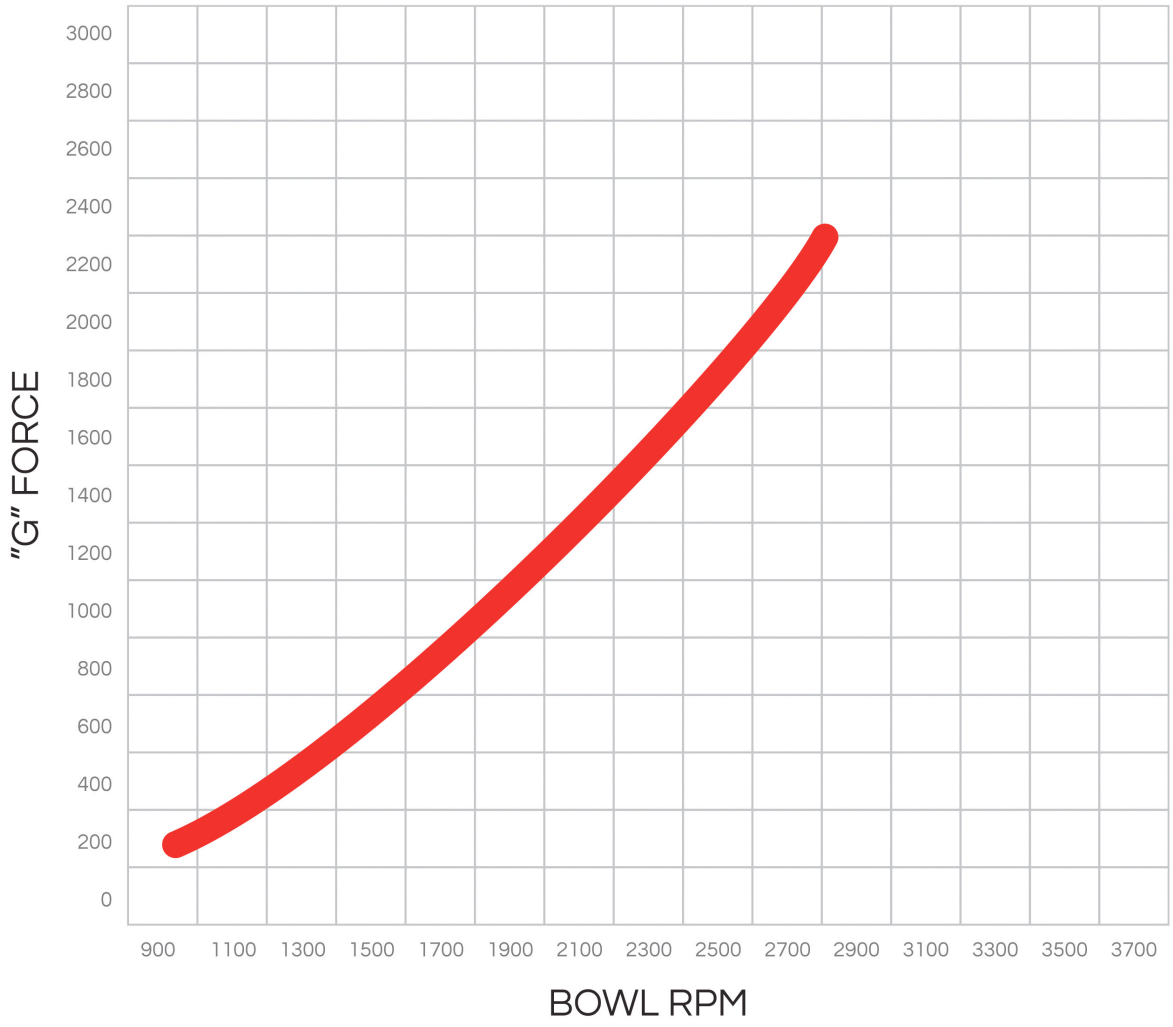
Weight (Empty)
14,500 lbs (6578kgs)

Flighting Pitch
146mm (5.75 inches)

Maximum Safe Operating Conveyor Torque
100,000 in/lbs (11.3 kNn) of torque

Gearbox Ratio
56:1

Power Required:
2 – 100 amp plugs @ 480 VAC



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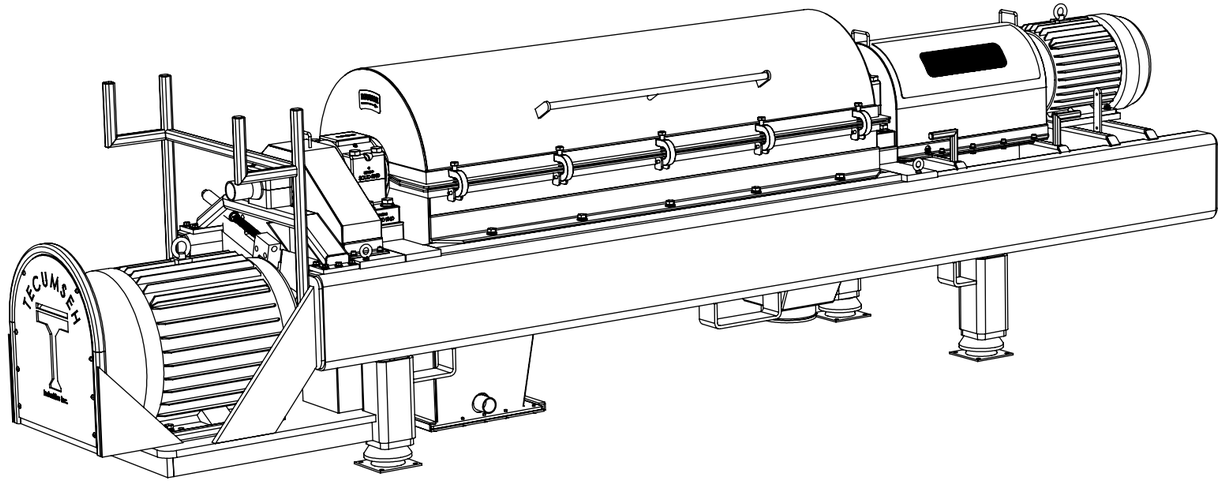

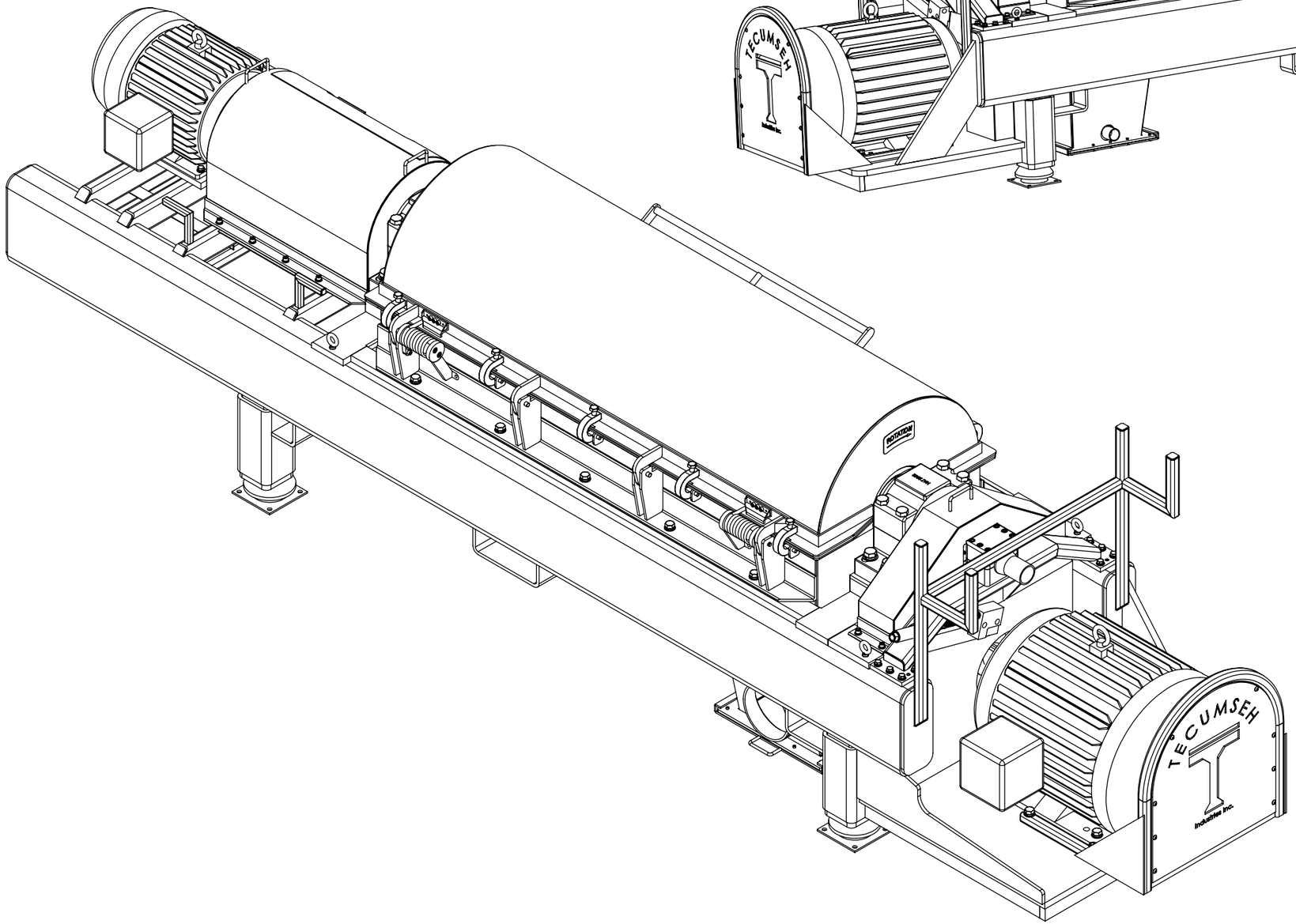

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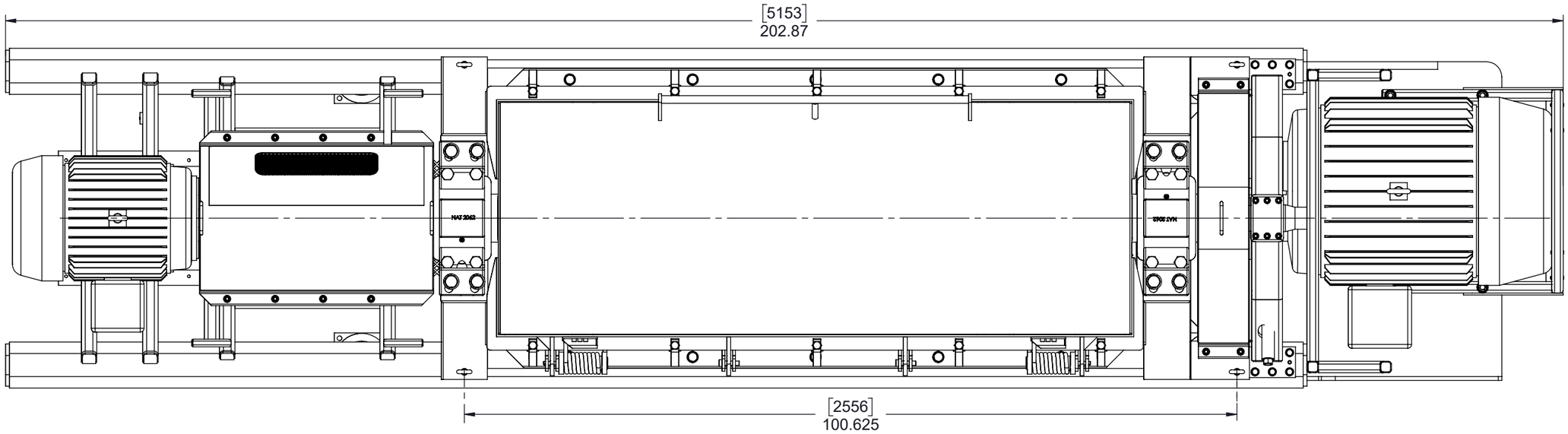

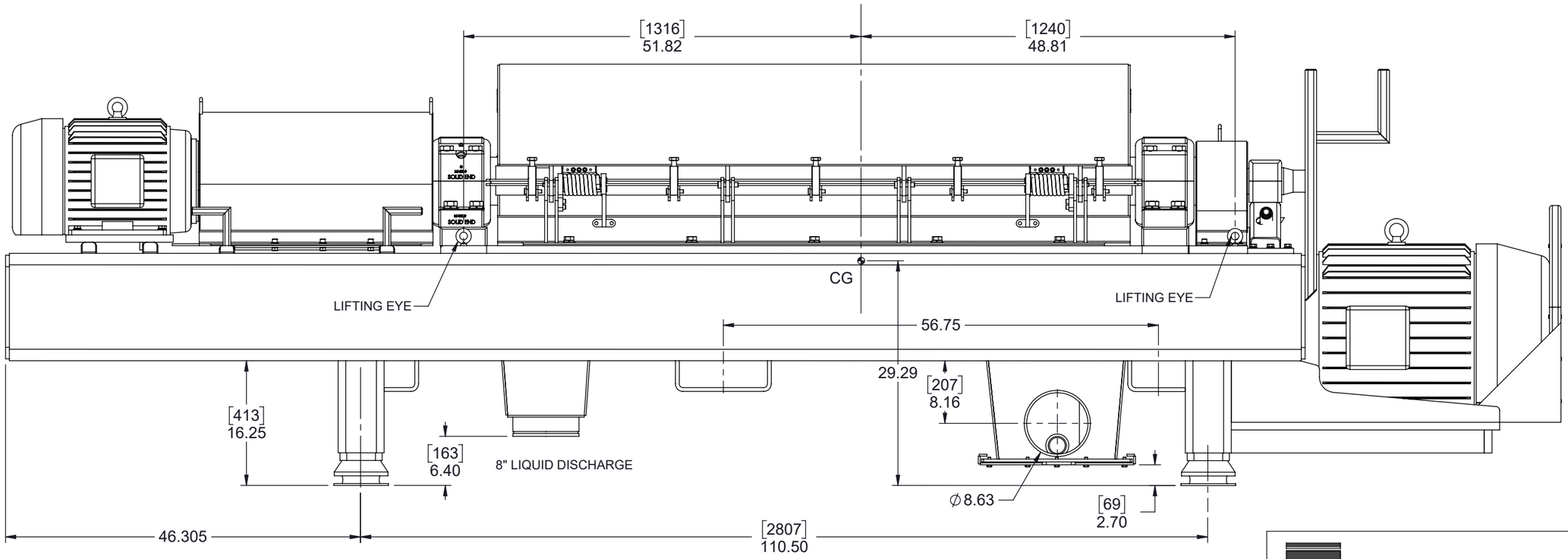

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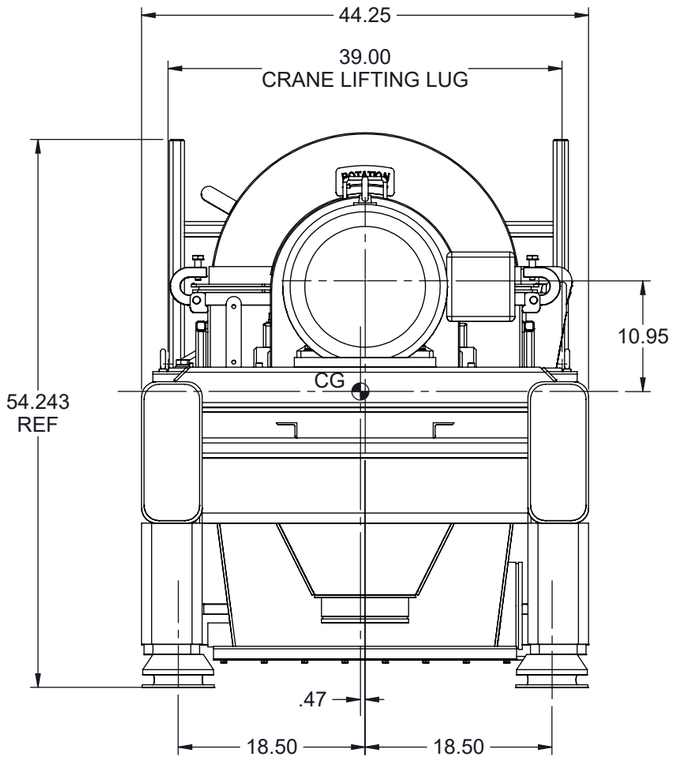
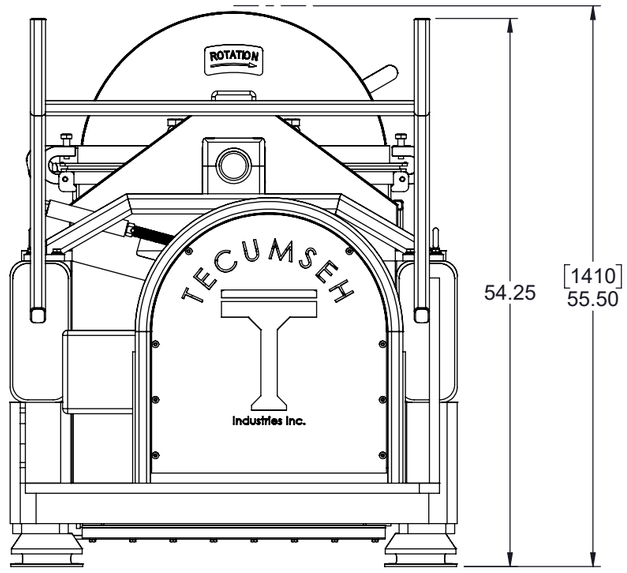
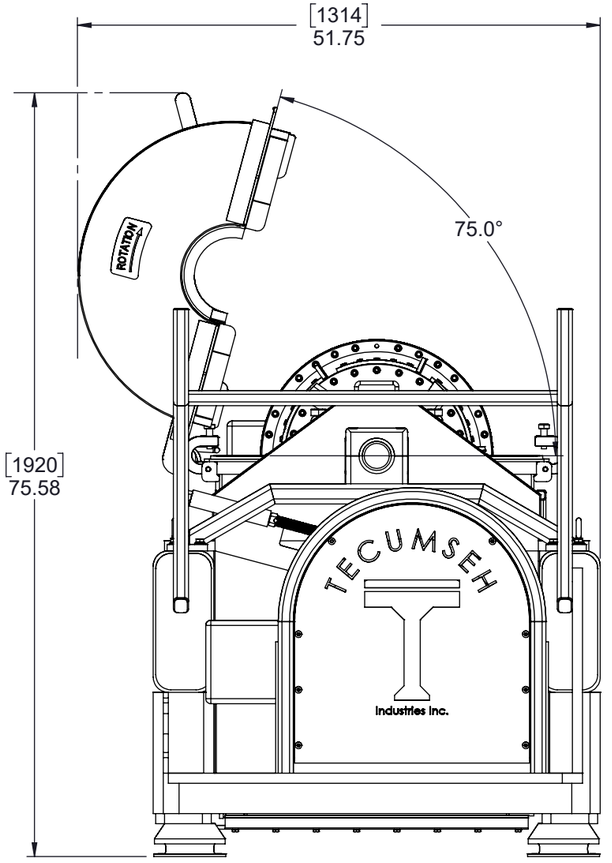


LIQUID END VIEW



SOLID END VIEW



SOLID END OPEN LID VIEW

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