



# **LAIRD**

**MANUFACTURING**

*"We are the Exception not the Compromise."*

**VERTICAL  
STATIONARY MIXER**

**MECHANICAL  
DRIVE SERIES**

*Narrow Body*





"We are the Exception not the Compromise."

# VERTICAL STATIONARY MIXER

## Mechanical Drive Series

(Narrow Body)

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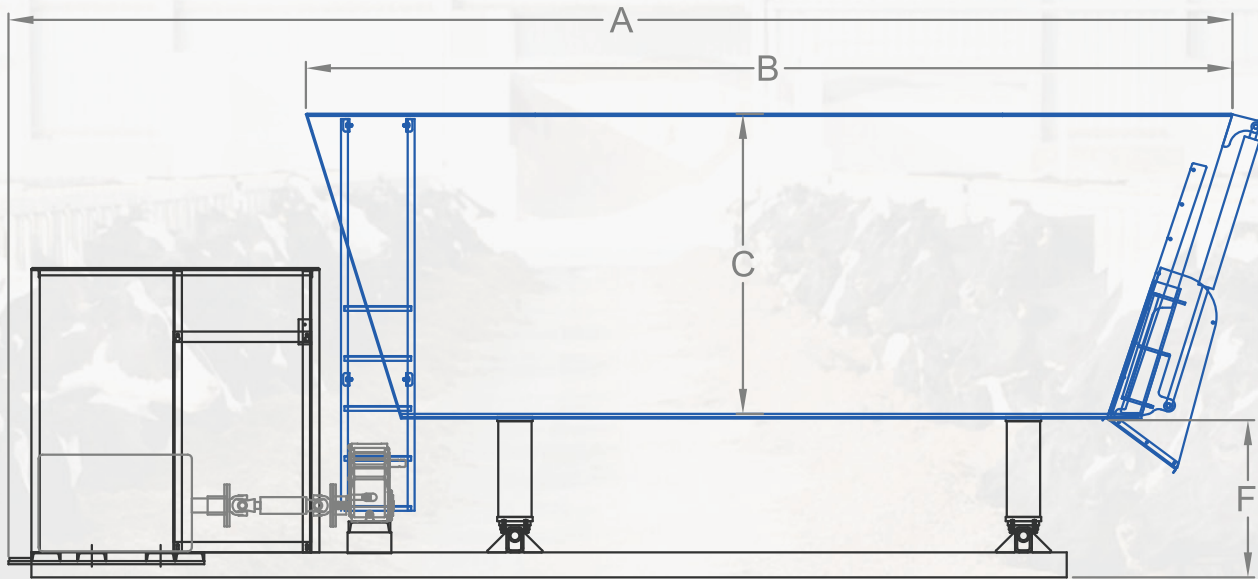




# VS-675 CUFT VERTICAL STATIONARY MIXER

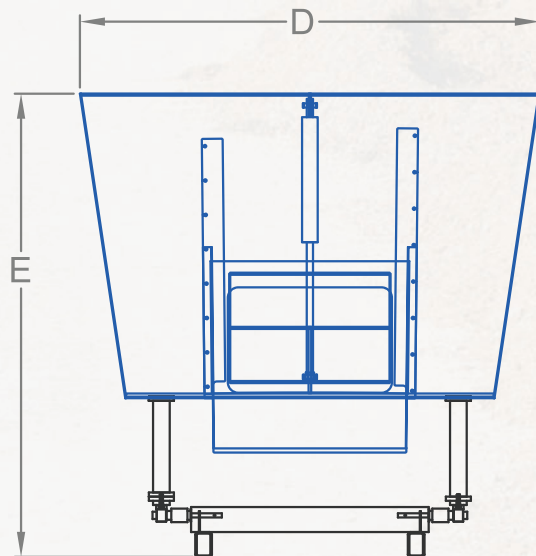
(TWIN-SCREW, NARROW BODY)

## [ DIAGRAM ]



### UNIT SPECIFICATIONS

	NUMBER OF SCREWS	2
	VOLUME (CU.FT.)	717
	MAX LOAD @ 25LBS/CU.FT.	17925
	MIN. ELECTRIC MOTOR HP	125
A	OVERALL LENGTH	293"
B	MIXING CHAMBER LENGTH	222"
C	MIXING CHAMBER DEPTH	72"
D	OVERALL WIDTH	110"
E	OVERALL HEIGHT	C + F
F	FLOOR TO GROUND CLEARANCE	PER CUSTOMER NEEDS



VS-675



# VS-675 CUFT VERTICAL STATIONARY MIXER

(TWIN-SCREW, NARROW BODY)

## [ STANDARD EQUIPMENT ]

1. 675 CUFT Mixing Chamber (6 FT Side Wall)
2. ¾" Floor Thickness
3. Stainless Steel Liner on Floor (3mm)
4. Two Vertical Augers with Stainless Steel on the PerimeterStainless Steel Cap (3mm) on the first three feet of the leading edge
5. Two Heavy Duty Planetary Gear Boxes Integrated w/90 Degree Bevel Gear (Som PGA 1802+T-269)
6. 125 HP Two Speed Gearbox (High Gear for Cleaning Out all the Remaining Feed)
7. Large Door Located at the Rear of the Mixer
8. Slide Chute on Discharge Opening
9. Ladder for Viewing
10. PTO Shaft (1200 RPM)
11. Mounted on a Subframe Skid
12. Hydraulic Powerpack to Open/Close Discharge Door
13. 4 X 10,000 lb Capacity Load Bars with 1% accuracy
14. 16 X High Quality Tungsten Blades (2 Piece) or 16 Busatis Blades
15. Painted White with Blue Trim
16. 2 Counter Knives
17. 125 HP Electric Motor (1200 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Battery with Enclosure



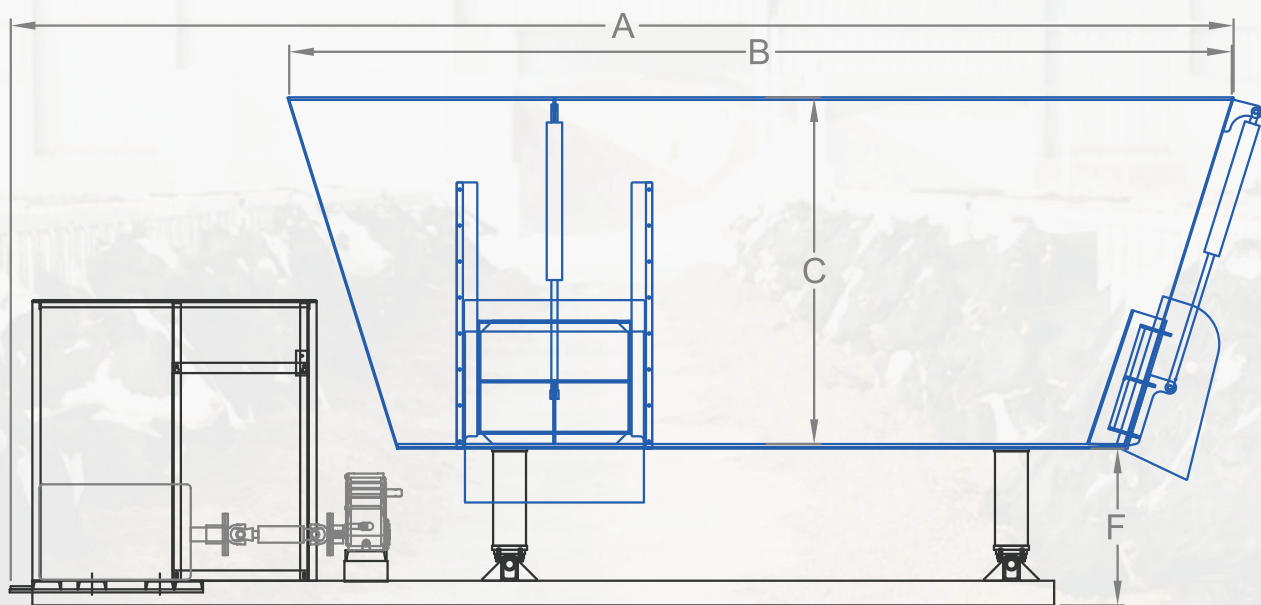
VS-675



# VS-750 CUFT VERTICAL STATIONARY MIXER

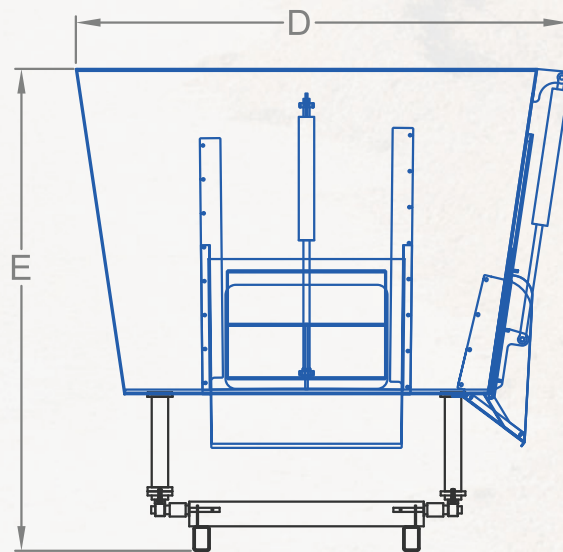
(TWIN-SCREW, NARROW BODY)

## [ DIAGRAM ]



### UNIT SPECIFICATIONS

	NUMBER OF SCREWS	2
	VOLUME (CU.FT.)	790
	MAX LOAD @ 25LBS/CU.FT.	19750
	MIN. ELECTRIC MOTOR HP	125
A	OVERALL LENGTH	295"
B	MIXING CHAMBER LENGTH	226"
C	MIXING CHAMBER DEPTH	78"
D	OVERALL WIDTH	119"
E	OVERALL HEIGHT	C + F
F	FLOOR TO GROUND CLEARANCE	PER CUSTOMER NEEDS



VS-750



# VS-750 CUFT VERTICAL STATIONARY MIXER

(TWIN-SCREW, NARROW BODY)

## [ STANDARD EQUIPMENT ]

1. 750 CUFT Mixing Chamber (6 ½ FT Side Wall)
2. ¾" Floor Thickness
3. Stainless Steel Liner on Floor (3mm)
4. Two Vertical Augers with Stainless Steel on the Perimeter Stainless Steel Cap (3mm) on the First Three Feet of the Leading Edge
5. Two Heavy Duty Planetary Gear Boxes Integrated w/90 Degree Bevel Gear (Som PGA 1802+T-269)
6. 125 HP Two Speed Gearbox (High Gear for Cleaning Out all the Remaining Feed)
7. Large Door Located at the Rear of the Mixer
8. Slide Chute on Discharge Opening
9. Ladder for Viewing
10. PTO Shaft (1200 RPM)
11. Mounted on a Subframe Skid
12. Hydraulic Powerpack to Open/Close Discharge Door
13. 4 X 10,000 lb Capacity Load Bars with 1% Accuracy
14. 18 X High Quality Tungsten Blades (2 Piece) or 18 Busatis Blades
15. Painted White with Blue Trim
16. 2 Counter Knives
17. 125 HP Electric Motor (1200 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Battery with Enclosure



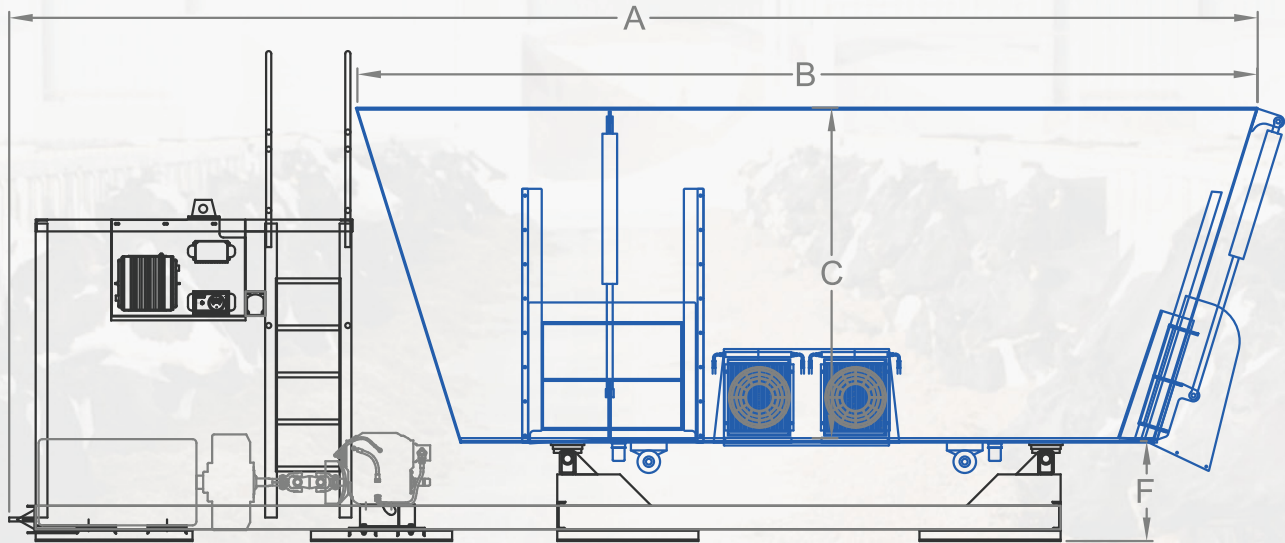
VS-750



# VS-800 CUFT VERTICAL STATIONARY MIXER

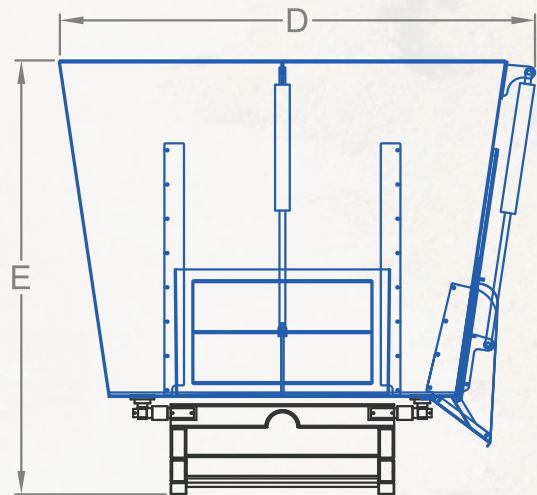
(TWIN-SCREW, NARROW BODY)

## [ DIAGRAM ]



### UNIT SPECIFICATIONS

	NUMBER OF SCREWS	2
	VOLUME (CU.FT.)	875
	MAX LOAD @ 25LBS/CU.FT.	21875
	MIN. ELECTRIC MOTOR HP	125
A	OVERALL LENGTH	318"
B	MIXING CHAMBER LENGTH	230"
C	MIXING CHAMBER DEPTH	84"
D	OVERALL WIDTH	121"
E	OVERALL HEIGHT	C + F
F	FLOOR TO GROUND CLEARANCE	PER CUSTOMER NEEDS



VS-800



# VS-800 CUFT VERTICAL STATIONARY MIXER

(TWIN-SCREW, NARROW BODY)

## [ STANDARD EQUIPMENT ]

1. 800 CUFT Mixing Chamber (7 FT Side Wall)
2. ¾" Floor Thickness
3. Stainless Steel Liner on Floor (3mm)
4. Two Vertical Augers with Stainless Steel on the Perimeter Stainless Steel Cap (3mm) on the First Three Feet of the Leading Edge
5. Two Heavy Duty Planetary Gear Boxes Integrated w/90 Degree Bevel Gear (Som PGA 1802+T-269)
6. 125 HP Two Speed Gearbox (High Gear for Cleaning Out all the Remaining Feed)
7. Large Discharge Door Located at the Rear of the Mixer
8. Slide Chute on Discharge Opening
9. Ladder for Viewing
10. PTO Shaft (1200 RPM)
11. Mounted on a Subframe Skid
12. Hydraulic Powerpack to Open/Close Discharge Door
13. 4 X 10,000 lb Capacity Load Bars with 1% accuracy
14. 18 X High Quality Tungsten Blades (2 Piece) or 18 Busatis Blades
15. Painted White with Blue Trim
16. 2 Counter Knives
17. 125 HP Electric Motor (1200 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Battery with Enclosure



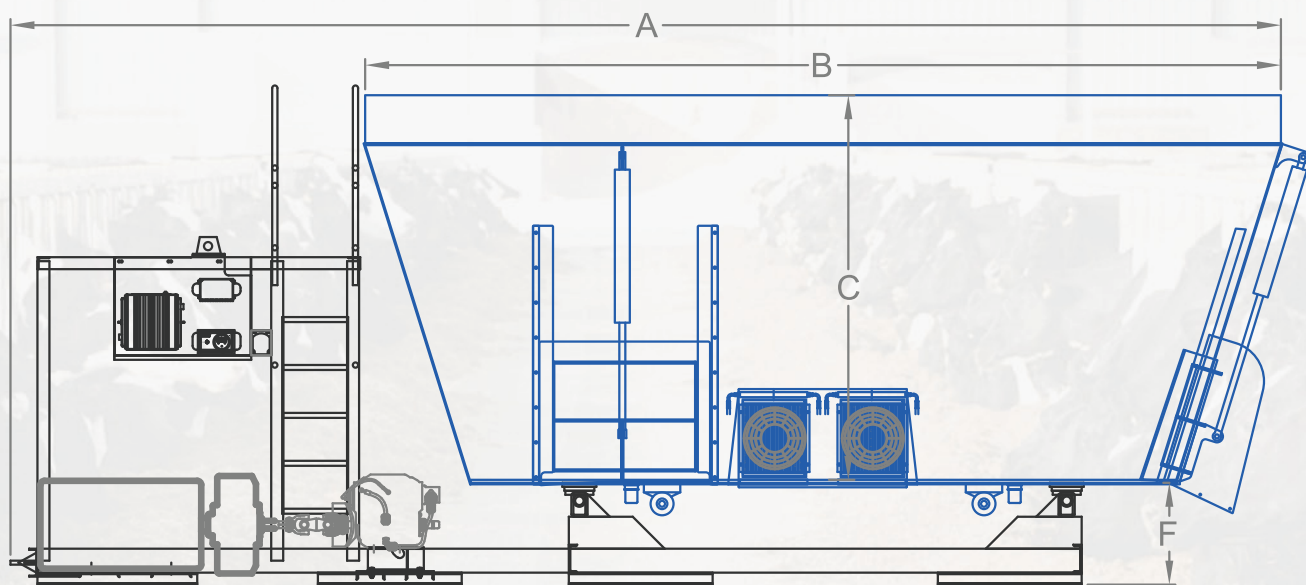
VS-800



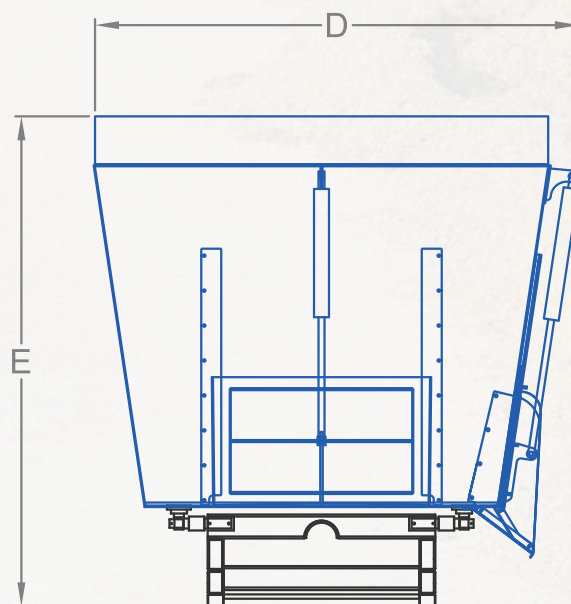
# VS-1000 CUFT VERTICAL STATIONARY MIXER

(TWIN-SCREW, NARROW BODY)

## [ DIAGRAM ]



UNIT SPECIFICATIONS		
	NUMBER OF SCREWS	2
	VOLUME (CU.FT.)	947
	MAX LOAD @ 25LBS/CU.FT.	23675
	MIN. ELECTRIC MOTOR HP	150
A	OVERALL LENGTH	318"
B	MIXING CHAMBER LENGTH	230"
C	MIXING CHAMBER DEPTH	96"
D	OVERALL WIDTH	121"
E	OVERALL HEIGHT	C + F
F	FLOOR TO GROUND CLEARANCE	PER CUSTOMER NEEDS



VS-1000



# VS-1000 CUFT VERTICAL STATIONARY MIXER

(TWIN-SCREW, NARROW BODY)

## [ STANDARD EQUIPMENT ]

1. 1000 CUFT Mixing Chamber (7 FT Side Wall + 12" Extension)
2. ¾" Floor Thickness
3. Stainless Steel Liner on Floor (3mm)
4. Two Vertical Augers with Stainless Steel on the Perimeter Stainless Steel Cap (3mm) on the First Three Feet of the Leading Edge
5. Two Heavy Duty Planetary Gear Boxes Integrated w/90 Degree Bevel Gear (Som 3002+T-301)
6. 125 HP Two Speed Gearbox (High Gear for Cleaning Out all the Remaining Feed)
7. Large Discharge Door Located at the Rear of the Mixer
8. Slide Chute on Discharge Opening
9. Ladder for Viewing
10. PTO Shaft (1200 RPM)
11. Mounted on a Subframe Skid
12. Hydraulic Powerpack to Open/Close Discharge Door
13. 4 X 10,000 lb Capacity Load Bars with 1% accuracy
14. 18 X High Quality Tungsten Blades (2 Piece) or 18 Busatis Blades
15. Painted White with Blue Trim
16. 2 Counter Knives
17. 150 HP Electric Motor (1200 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Battery with Enclosure



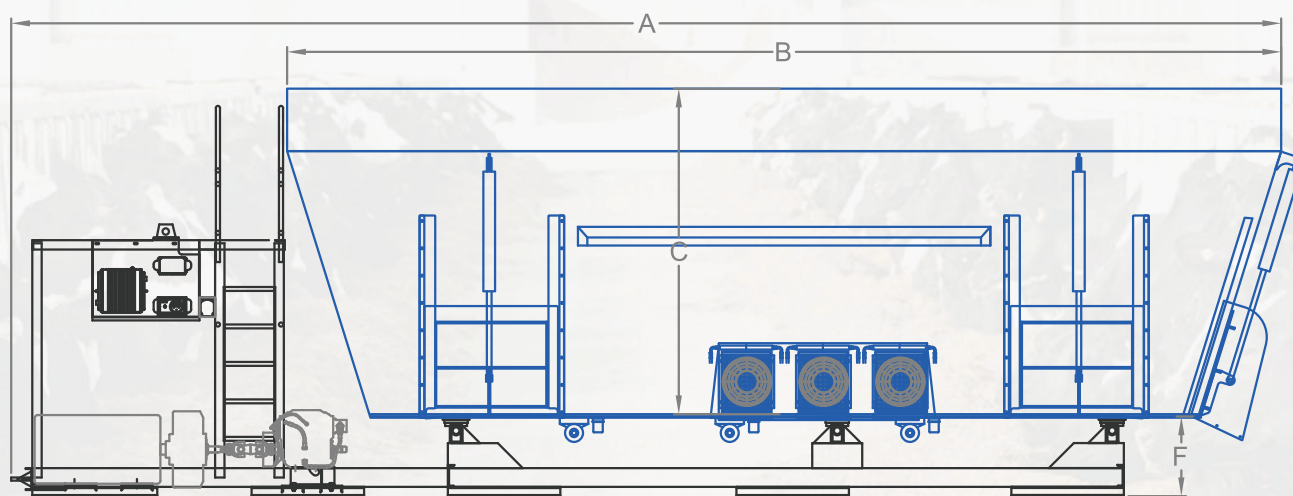
VS-1000



# VS-1600 CUFT VERTICAL STATIONARY MIXER

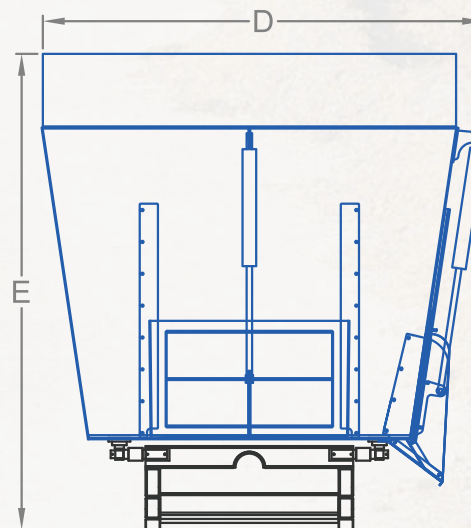
(TRIPLE-SCREW, NARROW BODY)

## [ DIAGRAM ]



### UNIT SPECIFICATIONS

	NUMBER OF SCREWS	3
	VOLUME (CU.FT.)	1675
	MAX LOAD @ 25LBS/CU.FT.	41875
	MIN. ELECTRIC MOTOR HP	200
A	OVERALL LENGTH	406"
B	MIXING CHAMBER LENGTH	318"
C	MIXING CHAMBER DEPTH	104"
D	OVERALL WIDTH	121"
E	OVERALL HEIGHT	C + F
F	FLOOR TO GROUND CLEARANCE	PER CUSTOMER NEEDS



VS-1600



# VS-1600 CUFT VERTICAL STATIONARY MIXER

(TRIPLE-SCREW, NARROW BODY)

## [ STANDARD EQUIPMENT ]

1. 1600 CUFT Mixing Chamber (7 FT Side Wall Plus 12 Inch Steel Extension)
2. ¾" Floor Thickness
3. Stainless Steel Liner on Floor (3mm)
4. Three Vertical Augers with Stainless Steel on the Perimeter Stainless Steel Cap (3mm) on the First Three Feet of the Leading Edge
5. Three Heavy Duty Planetary Gear Boxes Integrated w/90 Degree Bevel Gear (Som 3002+T-301)
6. 350 HP ZDB auto-shift transmission with oil cooler ,controller and speed sensor
7. Large Discharge Door Located at the Rear of the Mixer
8. Slide Chute on Discharge Opening
9. Ladder for Viewing
10. PTO Shaft (1200 RPM)
11. Mounted on a Subframe Skid
12. Hydraulic Powerpack to Open/Close Discharge Door
13. 4 X 15,000 lb Capacity Load Bars with 1% accuracy
14. 27 X High Quality Tungsten Blades (2 Piece)
15. Painted White with Blue Trim
16. 2 Counter Knives
17. 250 HP Electric Motor (1200 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Battery with Enclosure
19. Electric Cooling System for Auto –shift transmission
20. RPM Controller for clutch protection on transmission
21. Shifting to high/low will be controlled by a RF hand-held controller



VS-1600



# VERTICAL STATIONARY MIXER

## Mechanical Drive Series

### [OPTIONS: STATIONARY VERTICAL (VS) MIXERS]

1. Floor Thickness Upgrade -  $\frac{3}{4}$ " to 1" - Single Auger (Wide Body)  
 -  $\frac{5}{8}$ " to  $\frac{3}{4}$ " - Twin Auger (Compact Body)  
 -  $\frac{3}{4}$ " to 1" - Twin Auger (Narrow Body)  
 -  $\frac{3}{4}$ " to 1" - Twin Auger (Wide Body)  
 -  $\frac{3}{4}$ " to 1" - Triple Auger (Narrow Body)  
 -  $\frac{3}{4}$ " to 1" - Triple Auger (Wide Body)
2. Upgrade of Stainless Steel on floor (3mm to 5mm):  
 Single Screw (Narrow Body)      Twin Screw (Compact Body)      Triple Screw (Wide Body)  
 Single Screw (Wide Body)      Twin Screw (Narrow Body)      Triple Screw (Narrow Body)  
 Single Screw (Extra Wide Body)      Twin Screw (Wide Body)
3. 8" Belting Extension:      **Single Screws**  
    **Twin Screws**  
    **Triple Screws**
4. 8" Cut Out Option (Per Side)
5. Steel Extension (1/4" Material)
6. Rear Door for Premix Standard (50" x 32.5")
7. Extra Large Rear Door (60" x 32 1/2")  
     Side Door and Slide Chute (Per Door)
8. Extra Kicker (Per Auger)
9. Scale Installation
10. 2-Speed Shifting Cable
11. Electric Shifting Option on 2-Speed Gear Box
12. Stainless Steel Sides(2mm):      Stainless Steel Sides(2.5mm):      Stainless Steel Sides(3.0mm):  
 VS-555S      VS-555      VS-555  
 VS-600S      VS-600      VS-600  
 VS-475T      VS-475T      VS-475T  
 VS-555T      VS-555T      VS-555T  
 VS-675      VS-675      VS-675  
 VS-750S      VS-750S      VS-750S  
 VS-750      VS-750      VS-750  
 VS-800      VS-800      VS-800  
 VS-1000(NARROW)      VS-1000(NARROW)      VS-1000(NARROW)  
 VS-1000(WIDE)      VS-1000(WIDE)      VS-1000(WIDE)  
 VS-1200      VS-1200      VS-1200  
 VS-1400      VS-1400      VS-1400  
 VS-1600      VS-1600      VS-1600  
 VS-1800      VS-1800      VS-1800
13. Non-Standard Paint Color  
     Custom-made Decal
14. Magnets on Slide Chute
15. Battery (with Enclosure)



# VERTICAL STATIONARY MIXER

## Mechanical Drive Series

### [OPTIONS CONT: STATIONARY VERTICAL (VS) MIXERS]

16. Viewing Platform
  17. 6" of Stainless Steel (3mm) Lining on each Auger  
6" of Stainless Steel (5mm) Lining on each Auger
  18. Complete Stainless Steel (3mm) Lining on each Auger  
Complete Stainless Steel (5mm) Lining on each Auger
  19. Upgrade to Bent Axis drive-per Auger
  20. Wireless Option:  
Wireless Functions: Only Available on Fully Hydrostatic Models with Plus One Includes:

– Mixer 1 / Mixer 2 Diverter Switch	– Timer Button
– Power On / Power Off Switch	– Hot Oil Light / Status Light
– Auger On/Off Switch	– High Speed Light / Conveyor Light
– Door Open / Close Button	– Door Up Light / Door Down Light
– High Speed Button	– Mixer 1 Light / Mixer 2 Light
– Conveyor Button	– Emergency Shut Off Button
- T2 Controller with Receivers (Can Control 1 or 2 Mixers)
- a) 1 Mixer Scenario
  - b) 2 Mixer Scenario
  - c) Additional T2 Controllers (2nd, 3rd, and 4th Unit)
  - d) T2 Controller Change Fee
  - e) Prototype Fee for New Control System
  - f) Customization Fee for Software Changes on Plus One





# VERTICAL STATIONARY MIXER

## Mechanical Drive Series

### [ SPECIFICATION SHEET: VERTICAL STATIONARY MIXERS ]

Customer Name: \_\_\_\_\_ Company Name: \_\_\_\_\_

Date: \_\_\_\_\_ Model: \_\_\_\_\_

Options		Yes	Price
<b>BASE PRICE</b>			
1	Floor Thickness Upgrade from <u>      </u> 3/4" to 1" <u>      </u> 5/8" to 3/4"		
2	Stainless Steel Floor Upgrade from 3mm to 5mm <u>      </u> 88" <u>      </u> 96" <u>      </u> 104"		
3	8" Belting Extension: <u>      </u> Single Screws <u>      </u> Twin Screws <u>      </u> Triple Screws		
4	8" Cut-out Option (per side) <u>      </u> LHS <u>      </u> RHS <u>      </u> Both Sides		
5	Steel Extension (1/4" Material)		
6	Rear Door for Premix <u>      </u> Standard (50" x 32.5")		
7	Side-Door and Slide-Chute (Per Door) Front: <u>      </u> LHS <u>      </u> RHS Rear: <u>      </u> LHS <u>      </u> RHS		
8	Extra Kicker (Per Auger) <u>      </u> Front <u>      </u> Rear		
9	Scale Installation		
10	Stainless Steel Sides <u>      </u> 2mm <u>      </u> 2.5mm <u>      </u> 3.0 mm		
11	Non-Standard Paint Color <u>      </u> Custom Decals <u>      </u>		
12	Magnets on Slide Chute		
13	Battery with Enclosure		
14	Viewing Platform		
15	6" of Stainless Steel Lining on each Auger <u>      </u> 3mm <u>      </u> 5mm		
16	Complete Stainless Steel Lining on each Auger <u>      </u> 3mm <u>      </u> 5mm		
17	Upgrade to Bent Axis Drive – Per Auger		
18	Wireless Option T2 Controller with Receivers (Can Control 1 or 2 Mixers) a) 1 Mixer Scenario b) 2 Mixer Scenario c) Additional T2 Controllers (2nd, 3rd, and 4th Unit) d) T2 Controller Change Fee e) Prototype Fee for New Control System f) Customization Fee for Software Changes on Plus One		
<b>Scale System:</b> Indicator <u>      </u> Remote <u>      </u> 2nd Remote <u>      </u> Other Scale Options <u>      </u>			
<b>Blade Option:</b> 2-piece <u>      </u> Busatis <u>      </u> Feedlot Backing Plate <u>      </u>			
<b>Credit For:</b> <u>      </u> No St Steel Liner on Floor			(       )
<b>Comments:</b>			



# Every Laird Product Is *Custom Built* For You.



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