



LAIRD

MANUFACTURING

"We are the Exception not the Compromise."

**VERTICAL
STATIONARY MIXER**

**HYDROSTATIC
SERIES** *Narrow Body*

[TABLE OF CONTENTS]

STANDARD EQUIPMENT

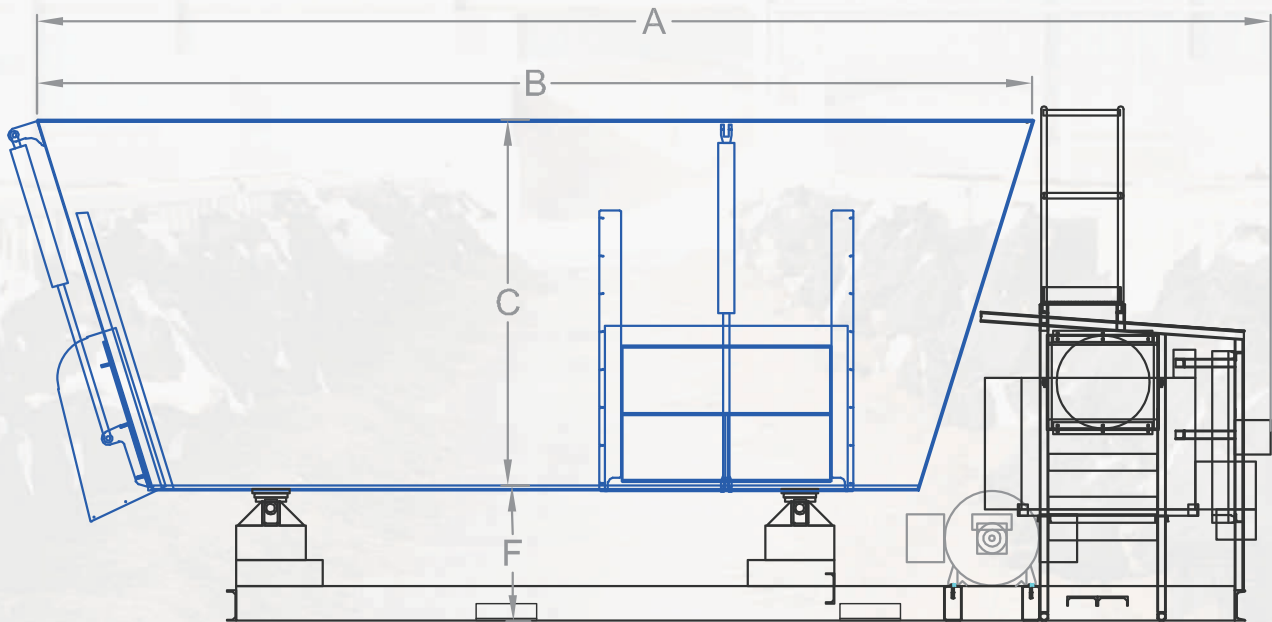
VS-800 CUFT VERTICAL STATIONARY HYDROSTATIC MIXER [OPTION 1] (TWIN SCREW, NARROW BODY)...	2
<i>DIAGRAM</i>	2
<i>STANDARD EQUIPMENT DETAILS</i>	3
VS-800 CUFT VERTICAL STATIONARY HYDROSTATIC MIXER [OPTION 2] (TWIN SCREW, NARROW BODY)...	4
<i>DIAGRAM</i>	4
<i>STANDARD EQUIPMENT DETAILS</i>	5
VS-1000 CUFT VERTICAL STATIONARY HYDROSTATIC MIXER [OPTION 1] (TWIN SCREW, NARROW BODY)	6
<i>DIAGRAM</i>	6
<i>STANDARD EQUIPMENT DETAILS</i>	7
VS-1000 CUFT VERTICAL STATIONARY HYDROSTATIC MIXER [OPTION 2] (TWIN SCREW, NARROW BODY)	8
<i>DIAGRAM</i>	8
<i>STANDARD EQUIPMENT DETAILS</i>	9
VS-1600 CUFT VERTICAL STATIONARY HYDROSTATIC MIXER [OPTION 1] (TRIPLE SCREW, NARROW BODY)	10
<i>DIAGRAM</i>	10
<i>STANDARD EQUIPMENT DETAILS</i>	11
VS-1600 CUFT VERTICAL STATIONARY HYDROSTATIC MIXER [OPTION 2] (TRIPLE SCREW, NARROW BODY)	12
<i>DIAGRAM</i>	12
<i>STANDARD EQUIPMENT DETAILS</i>	13
OPTIONS	14
SPECIFICATION SHEET	16



VS-800 VERTICAL STATIONARY HYDROSTATIC MIXER

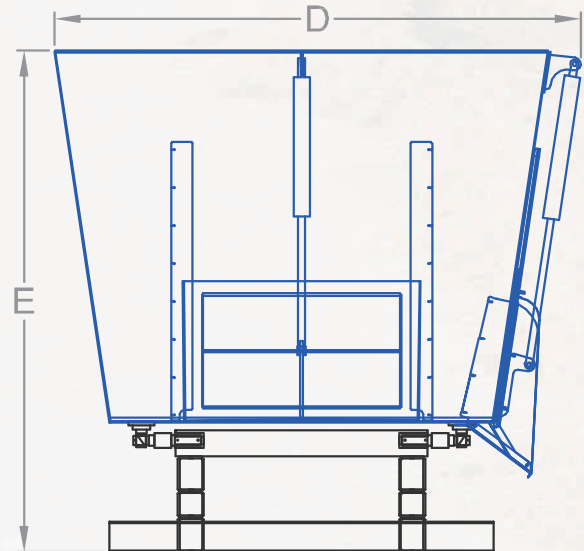
[OPTION 1] (TWIN-SCREW, NARROW BODY)

[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	285"
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 REQUIREMENTS



VS-800 (OPT. 1)

VS-800 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 1] (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. Complete Hydrostatic System to Drive the Augers Engage 2-Speed and Operate Discharge Door
6. Plus One Controller
7. Two Heavy Duty Gearboxes (RR-3200) Complete with Poclain (MS-18) Hydraulic Motors
8. Large Discharge Door Located at the Rear of the Mixer
9. Slide Chute on Discharge Opening
10. 4 - Digistar weigh bars with 10,000 lbs. capacity
11. Two Counter-Knives
12. 18 High Quality Tungsten Vertical Blades (2 Piece) or Busatis Blades
13. Painted White with Blue Trim
14. Reversible Hydraulic Fan with Automatic Self-Cleaning Cycle
15. Oil Reservoir, Hydraulic Fan (A75), Thermal Valve, Manifold, All Hoses, Oil and Sensors Included
16. 125 HP Electric Motor (1800 RPM) Complete with Soft Start, Disconnects and Enclosures
17. Kopflex Coupling between Motor and Pump
18. Mounted on a Subframe Skid
19. Control Box with Switches to Control all Functions

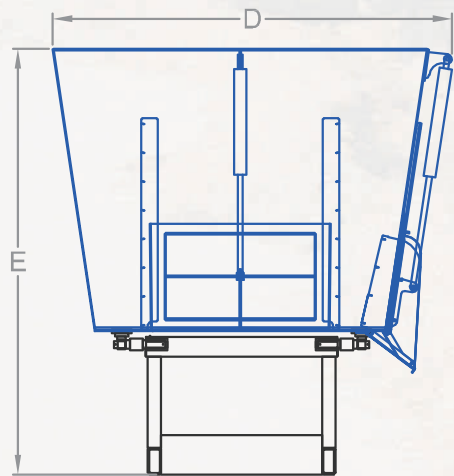
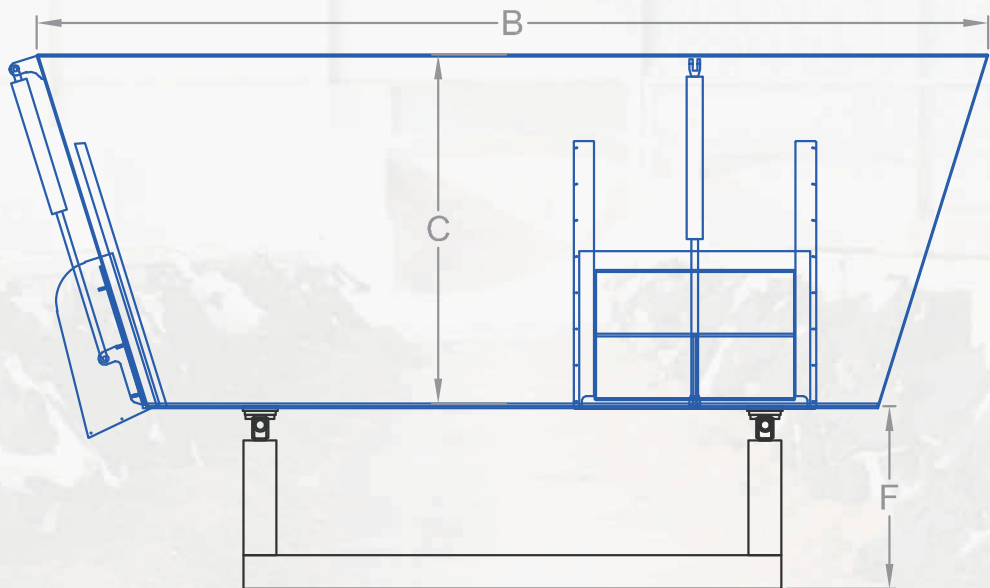


VS-800 (OPT. 1)

VS-800 VERTICAL STATIONARY HYDROSTATIC MIXER

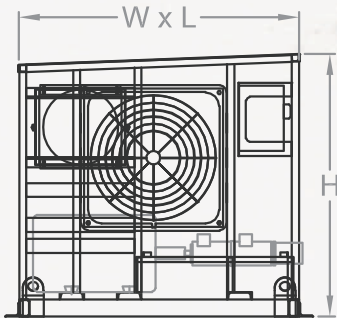
[OPTION 2] (TWIN-SCREW, NARROW BODY)

[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	285"
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 REQUIREMENTS
L	HYDRAULIC POWER SKID LENGTH	79"
W	HYDRAULIC POWER SKID WIDTH	80"
H	HYDRAULIC POWER SKID HEIGHT	75"

HYDRAULIC POWER SKID



VS-800 (OPT. 2)

VS-800 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 1] (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. Complete Hydrostatic System to Drive the Augers Engage 2-Speed and Operate Discharge Door
6. Plus One Controller
7. Two Heavy Duty Gearboxes (RR-3200) Complete with Poclain (MS-18) Hydraulic Motors
8. Large Discharge Door Located at the Rear of the Mixer
9. Slide Chute on Discharge Opening
10. 4 - Digistar weigh bars with 10,000 lbs. capacity
11. Two Counter-Knives
12. 18 High Quality Tungsten Vertical Blades (2 Piece) or Busatis Blades
13. Painted White with Blue Trim
14. Reversible Hydraulic Fan with Automatic Self-Cleaning Cycle
15. Oil Reservoir, Hydraulic Fan (A75), Thermal Valve, Manifold, All Hoses, Oil and Sensors Included
16. 125 HP Electric Motor (1800 RPM) Complete with Soft Start, Disconnects and Enclosures
17. Kopflex Coupling between Motor and Pump
18. Mounted on a Subframe Skid
19. Control Box with Switches to Control all Functions

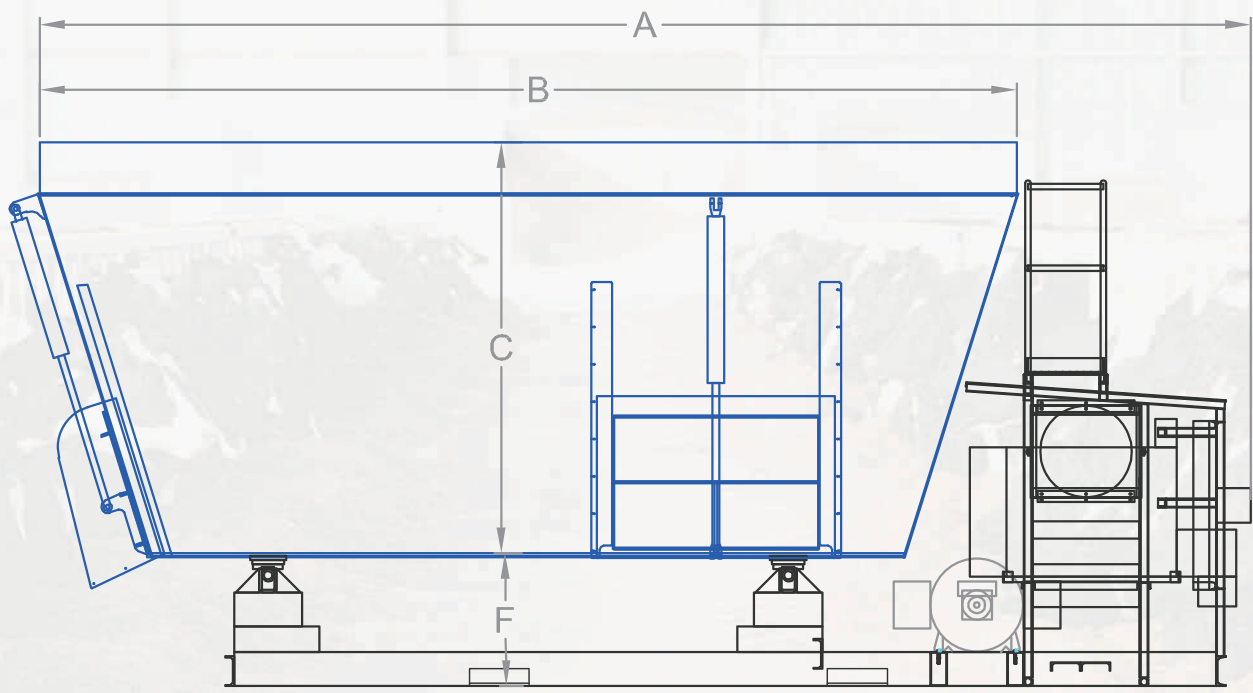


VS-800 (OPT. 2)

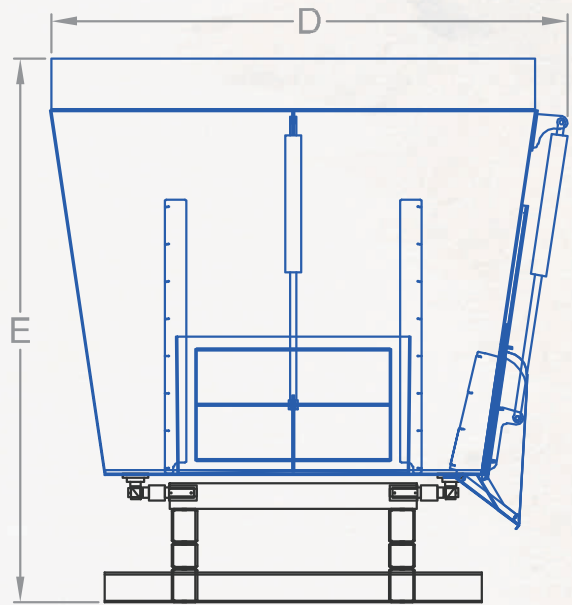
VS-1000 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 1] (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	285"
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 REQUIREMENTS



VS-1000 (OPT. 1)

VS-1000 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 1] (TWIN-SCREW, NARROW BODY)

[STANDARD EQUIPMENT]

1. 1000 CUFT Mixing Chamber (7 FT Side Wall 12" Steel 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. Complete Hydrostatic System to Drive the Augers Open/Close the Discharge Door
6. Plus One Controller
7. Two Heavy Duty Gearboxes (RR-3200) Complete with Poclain (MS-18)
Hydraulic Motors
8. Large Discharge Door Located at the Rear of the Mixer
9. Slide Chute on Discharge Opening
10. 4 - Digistar weighbars with 10,000 lbs. capacity
11. Two Counter-Knives
12. 18 High Quality Tungsten Vertical Blades (2 Piece) or Busatis Blades
13. Painted White with Blue Trim
14. Reversible Hydraulic Fan with Automatic Self-Cleaning Cycle
15. Oil Reservoir, Hydraulic Fan (A75), Thermal Value Manifold, All Hoses, Oil and
Sensors Included
16. 150 HP Electric Motor (1800 RPM) Complete with Soft Start Disconnects Enclosure
17. Kopflex Coupling between Motor and Pump
18. Mounted on a Subframe Skid
19. Control Box with Switches to Control all Functions

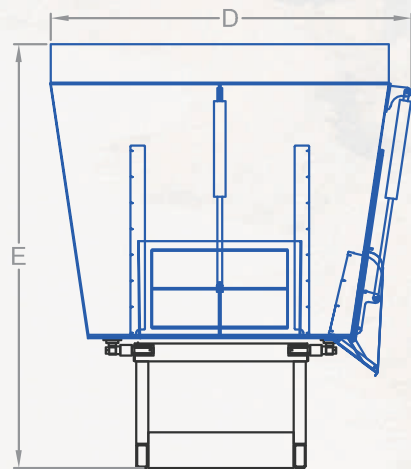
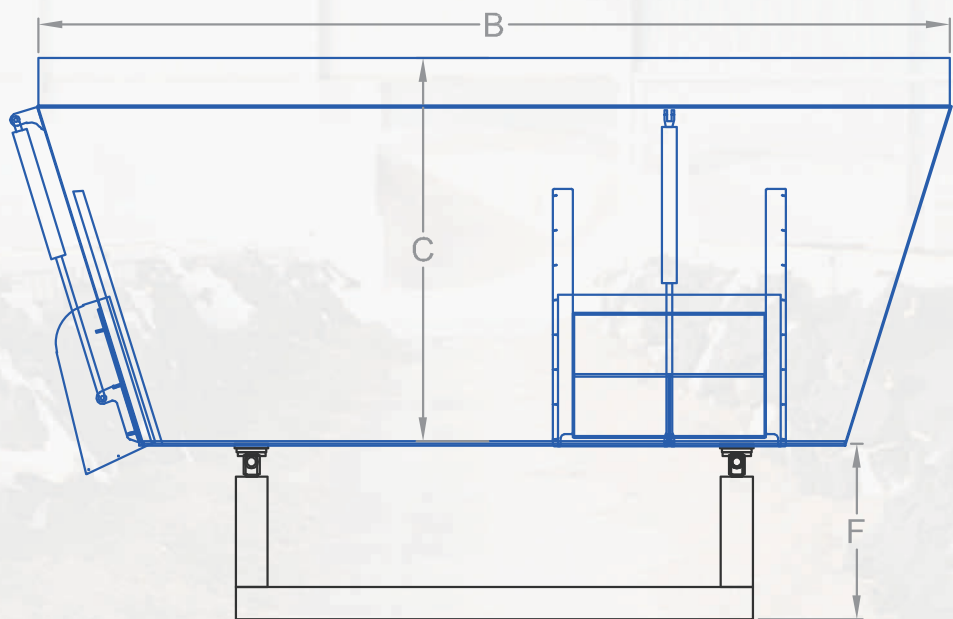


VS-1000 (OPT. 1)

VS-1000 VERTICAL STATIONARY HYDROSTATIC MIXER

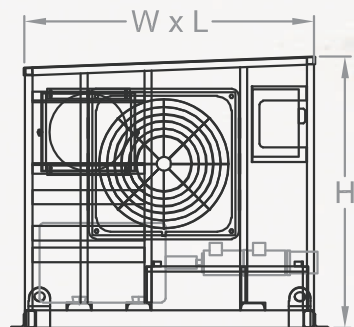
[OPTION 2] (TWIN-SCREW, NARROW BODY)

[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	285"
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 REQUIREMENTS
L	HYDRAULIC POWER SKID LENGTH	79"
W	HYDRAULIC POWER SKID WIDTH	80"
H	HYDRAULIC POWER SKID HEIGHT	75"

HYDRAULIC POWER SKID



VS-1000 (OPT. 2)

VS-1000 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 2] (TWIN-SCREW, NARROW BODY)

[STANDARD EQUIPMENT]

1. 1000 CUFT Mixing Chamber (7 FT Side Wall 12" Steel 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. Complete Hydrostatic System to Drive the Augers Open/Close the Discharge Door
6. Plus One Controller
7. Two Heavy Duty Gearboxes (RR-3200) Complete with Poclain (MS-18)
Hydraulic Motors
8. Large Discharge Door Located at the Rear of the Mixer
9. Slide Chute on Discharge Opening
10. 4 - Digistar weighbars with 10,000 lbs. capacity
11. Two Counter-Knives
12. 18 High Quality Tungsten Vertical Blades (2 Piece) or Busatis Blades
13. Painted White with Blue Trim
14. Reversible Hydraulic Fan with Automatic Self-Cleaning Cycle
15. Oil Reservoir, Hydraulic Fan (A75), Thermal Value Manifold, All Hoses, Oil and
Sensors Included
16. 150 HP Electric Motor (1800 RPM) Complete with Soft Start Disconnects Enclosure
17. Kopflex Coupling between Motor and Pump
18. Mounted on a Subframe Skid
19. Control Box with Switches to Control all Functions

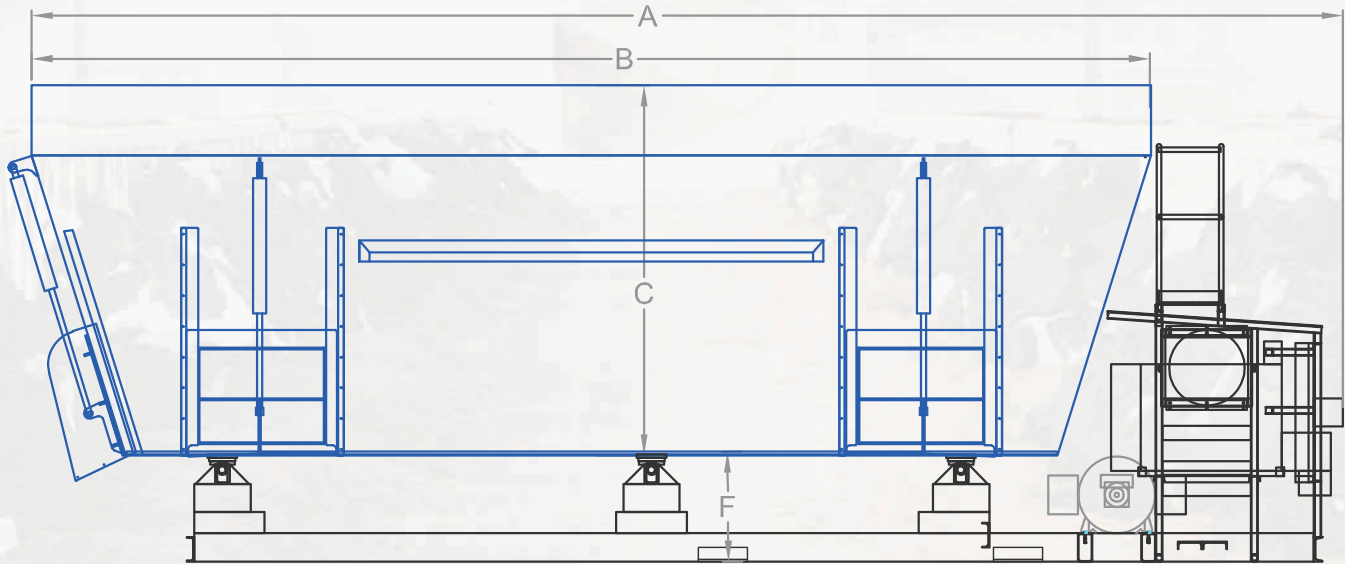


VS-1000 (OPT. 2)

VS-1600 VERTICAL STATIONARY HYDROSTATIC MIXER

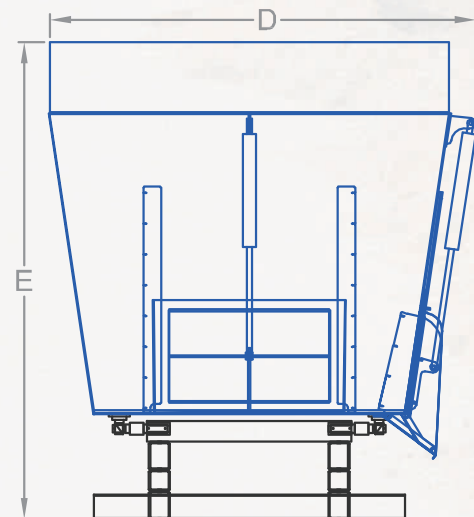
[OPTION 1] (TRIPLE-SCREW, NARROW BODY)

[DIAGRAM]



UNIT SPECIFICATIONS

	NUMBER OF SCREWS	3
	VOLUME (CU.FT.)	1675
	MAX LOAD @ 25LBS/CU.FT.	41875
	MIN. ELECTRIC MOTOR HP	250
A	OVERALL LENGTH	373"
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 REQUIREMENTS



VS-1600 (OPT. 1)

VS-1600 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 1] (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 Gearboxes (RR-3200) Complete with Poclain (MS-18) Hydraulic Motors
6. Complete Hydrostatic System to Drive the Augers and Open/Close the Discharge Door
7. Double Pump Drive (325HP) integrated with 3 Rexroth Hydrostatic Pumps and Auxillary Pump
8. Plus One Controller
9. Large Discharge Door Located at the Rear of the Mixer
10. Slide Chute on Discharge Opening
11. 6 - Digistar weigh bars with 15,000 lbs. capacity
12. Two Counter-Knives
13. 27 High Quality Tungsten Vertical Blades (2 Piece) or Busatis Blades
14. Painted White with Blue Trim
15. Reversible Hydraulic Fan with Automatic Self-Cleaning Cycle
16. Oil Reservoir, Hydraulic Fan (A80), Thermal Valve Manifold, Valve Block with Solenoids, All Hoses, Oil and Sensors Included
17. 200 HP Electric Motor (1800 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Kopflex Coupling between Motor and Pump
19. Mounted on a Subframe Skid
20. Control Box with Switches to Control all Functions
21. Ladder for Viewing

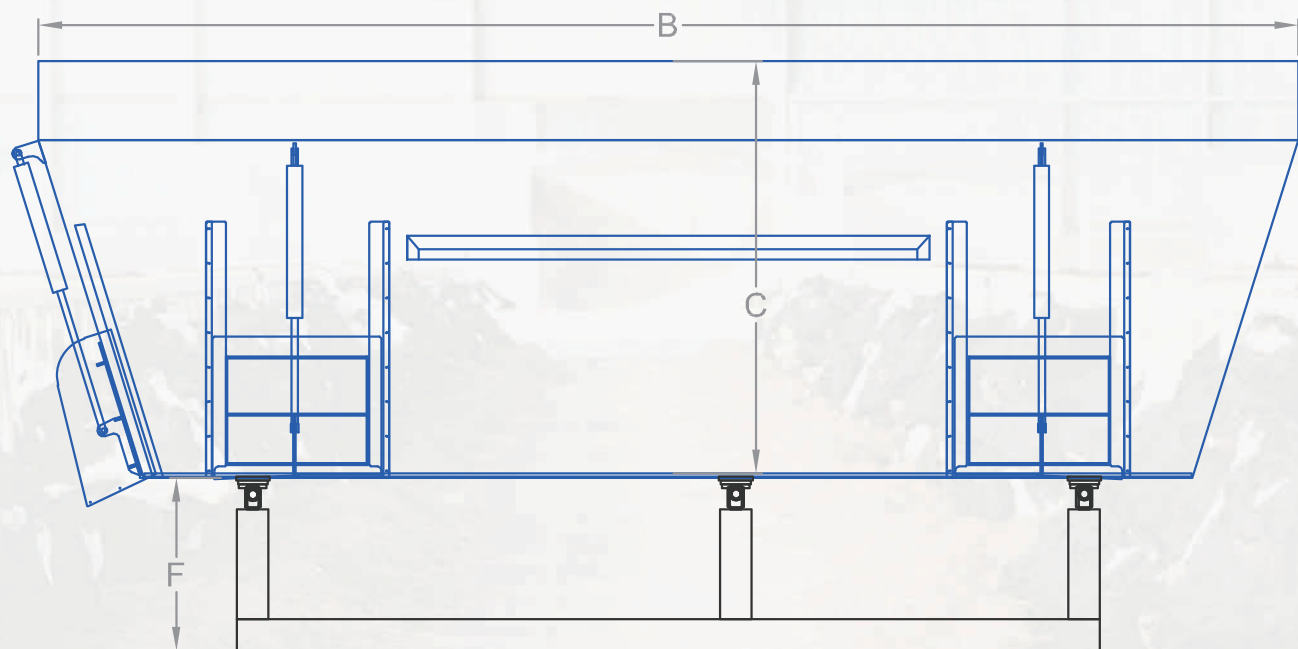


VS-1600 (OPT. 1)

VS-1600 VERTICAL STATIONARY HYDROSTATIC MIXER

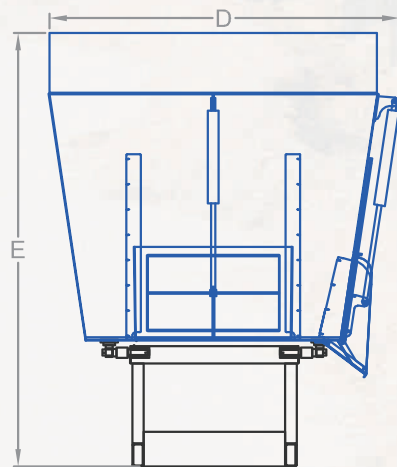
[OPTION 2] (TRIPLE-SCREW, NARROW BODY)

[DIAGRAM]

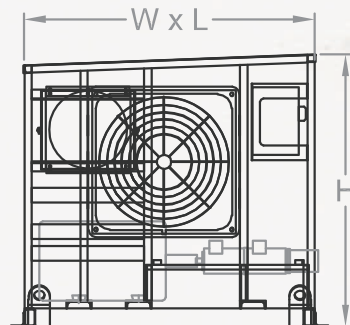


UNIT SPECIFICATIONS

	NUMBER OF SCREWS	3
	VOLUME (CU.FT.)	1675
	MAX LOAD @ 25LBS/CU.FT.	41875
	MIN. ELECTRIC MOTOR HP	250
A	OVERALL LENGTH	373"
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 REQUIREMENTS
L	HYDRAULIC POWER SKID LENGTH	79"
W	HYDRAULIC POWER SKID WIDTH	80"
H	HYDRAULIC POWER SKID HEIGHT	75"



HYDRAULIC POWER SKID



VS-1600 (OPT. 2)

VS-1600 VERTICAL STATIONARY HYDROSTATIC MIXER

[OPTION 2] (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 Gearboxes (RR-3200) Complete with Poclain (MS-18) Hydraulic Motors
6. Complete Hydrostatic System to Drive the Augers and Open/Close the Discharge Door
7. Double Pump Drive (325HP) integrated with 3 Rexroth Hydrostatic Pumps and Auxillary Pump
8. Plus One Controller
9. Large Discharge Door Located at the Rear of the Mixer
10. Slide Chute on Discharge Opening
11. 6 - Digistar weigh bars with 15,000 lbs. capacity
12. Two Counter-Knives
13. 27 High Quality Tungsten Vertical Blades (2 Piece) or Busatis Blades
14. Painted White with Blue Trim
15. Reversible Hydraulic Fan with Automatic Self-Cleaning Cycle
16. Oil Reservoir, Hydraulic Fan (A80), Thermal Valve Manifold, Valve Block with Solenoids, All Hoses, Oil and Sensors Included
17. 200 HP Electric Motor (1800 RPM) Complete with Soft Start, Disconnects and Enclosures
18. Kopflex Coupling between Motor and Pump
19. Mounted on a Subframe Skid
20. Control Box with Switches to Control all Functions
21. Ladder for Viewing



VS-1600 (OPT. 2)

VERTICAL STATIONARY MIXER

Hydrostatic 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

Hydrostatic 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
 - Power On / Power Off Switch
 - Auger On/Off Switch
 - Door Open / Close Button
 - High Speed Button
 - Conveyor Button
 - Timer Button
 - Hot Oil Light / Status Light
 - High Speed Light / Conveyor Light
 - Door Up Light / Door Down Light
 - Mixer 1 Light / Mixer 2 Light
 - 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

Hydrostatic Series

[SPECIFICATION SHEET: VERTICAL STATIONARY MIXERS]

Customer Name: _____ Company Name: _____

Date: _____ Model: _____

Options		Yes	Price
BASE PRICE			
1	Floor Thickness Upgrade from <u>3/4"</u> to 1" <u>5/8"</u> to 3/4"		
2	Stainless Steel Floor Upgrade from 3mm to 5mm <u>88"</u> <u>96"</u> <u>104"</u>		
3	8" Belting Extension: <u>Single Screws</u> <u>Twin Screws</u> <u>Triple Screws</u>		
4	8" Cut-out Option (per side) <u>LHS</u> <u>RHS</u> <u>Both Sides</u>		
5	Steel Extension (1/4" Material)		
6	Rear Door for Premix <u>Standard (50" x 32.5")</u>		
7	Side-Door and Slide-Chute (Per Door) Front: <u>LHS</u> <u>RHS</u> Rear: <u>LHS</u> <u>RHS</u>		
8	Extra Kicker (Per Auger) <u>Front</u> <u>Rear</u>		
9	Scale Installation		
10	Stainless Steel Sides <u>2mm</u> <u>2.5mm</u> <u>3.0 mm</u>		
11	Non-Standard Paint Color <u>Custom Decals</u>		
12	Magnets on Slide Chute		
13	Battery with Enclosure		
14	Viewing Platform		
15	6" of Stainless Steel Lining on each Auger <u>3mm</u> <u>5mm</u>		
16	Complete Stainless Steel Lining on each Auger <u>3mm</u> <u>5mm</u>		
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		
Scale System: Indicator _____ Remote _____ 2nd Remote _____ Other Scale Options _____			
Blade Option: 2-piece _____ Busatis _____ Feedlot Backing Plate _____			
Credit For: _____ No St Steel Liner on Floor			()
Comments:			

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



531 S. Hwy. 59 | Merced, CA 95341
P: (209) 722-4145 | F: (209) 349-8934
sales@lairdmfg.com | www.lairdmfg.com