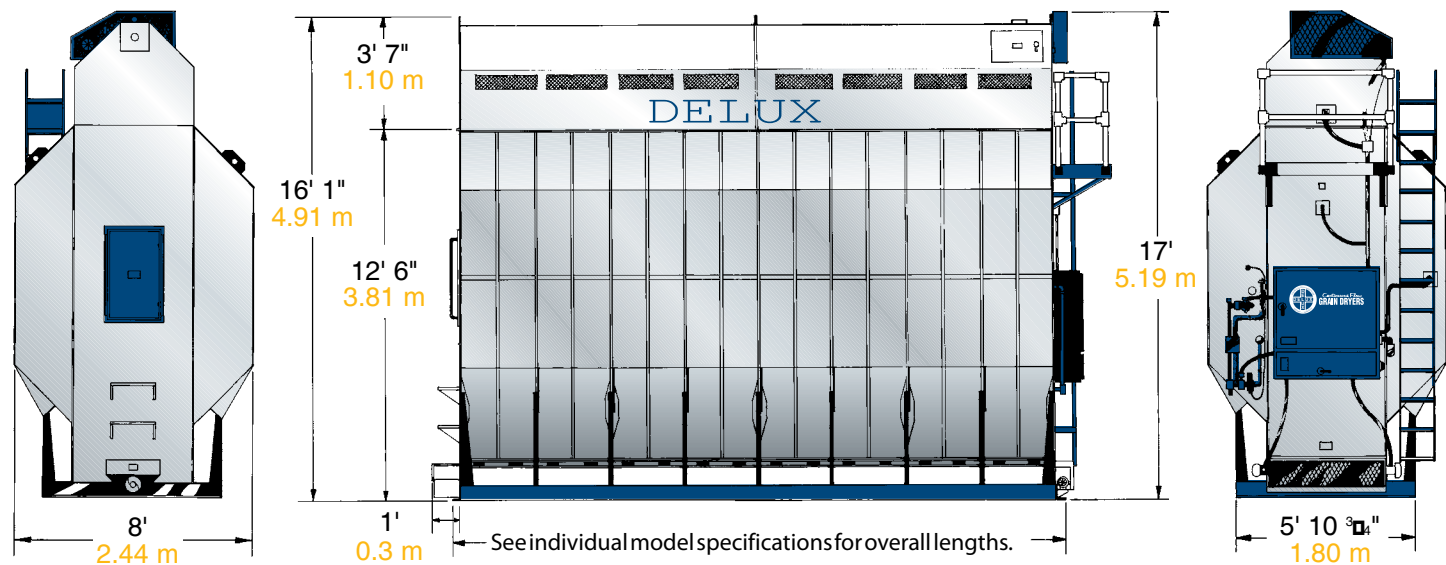


DP and DPSL Series Specifications



DP SERIES 230V-1P

MODEL SPECIFICATIONS		10FT DP2510	10FT DP3015	15FT DP4020	20FT DP5020	30FT DP7530	40FT DP10040
OVERALL FRAME LENGTH	FT-IN M	10-7 3.23	10-7 3.23	15-7 4.75	20-7 6.28	30-7 9.33	40-7 12.37
GRAIN COLUMNS	FT M	10 3.05	10 3.05	15 4.57	20 6.10	30 9.15	40 12.20
GRAIN HOLDING (CORN)	BU TONNES	317 8.07	317 8.07	475 12.09	634 16.13	951 24.20	1268 32.26
(1a) CORN	20%-15%	250 6.36	300 7.63	400 10.18	500 12.72	750 19.08	1000 25.45
(1a) CORN	25%-15%	150 3.82	180 4.58	240 6.11	300 7.63	450 11.45	600 15.27
(1b) SORGHUM (MILO)	18%-14%	246 6.26	295 7.51	395 10.02	492 12.52	738 18.78	984 25.04
(1c) SOYBEANS	18%-13%	175 4.77	210 5.72	280 7.63	350 9.54	525 14.31	700 19.07
(1d) WHEAT	18%-13%	225 6.13	270 7.36	360 9.81	450 12.26	675 18.39	900 24.52
(1e) SUNFLOWERS	15%-10%	313 4.54	375 5.44	500 7.26	626 9.07	938 13.61	1250 18.14
FAN(S) 38" DIA. 1750 RPM	HP KW	1-10 7.50	1-15 11.25	2-10 7.50	2-10 7.50	3-10 7.50	4-10 7.50
BURNER(S) @70°F 21°C	M/BTU/HR GJ/HR	1.20 1.27	1.78 1.88	2.40 2.54	2.40 2.54	3.60 3.80	4.80 5.07
LEVELING AUGER 8"	HP KW	1 .75	1 .75	2 1.50	2 1.50	3 2.25	5 3.75
UNLOADING AUGER 8"	HP KW	(4) NOTE	(4) NOTE	1 .75	1 .75	2 1.50	3 2.25
METERING	HP-SCR KW	1 .75	1 .75	1 .75	1 .75	1 .75	1 .75
(2) MAX UNLOAD RATE (CORN)	BPH TONNES	600 15.27	600 15.27	900 22.90	1200 30.53	1800 45.80	2300 58.52
(3) TOTAL HORSEPOWER	HP KW	12 9.0	17 12.75	24 18.00	24 18.00	36 27.00	49 36.75
(3) TOTAL DRYER AMPS	230V-1P	63.4	83.4	125.4	125.4	184.4	250.4
DRYER WEIGHT	LBS KG	6,000 2,722	6,000 2,722	9,000 4,082	12,000 5,443	18,000 8,165	24,000 10,862

Tonne (Metric Ton) based on: **(1a)** CORN @ 56 LB/BU=39.3 BU/TONNE **(1b)** SORGHUM @ 56 LB/BU=39.3 BU/TONNE
(1c) SOYBEANS @ 60 LB/BU=36.7 BU/TONNE **(1d)** WHEAT @ 60 LB/BU=36.7 BU/TONNE
(1e) SUNFLOWERS @ 32 LB/BU=68.9 BU/TONNE

- Actual discharge rate is controlled by metering roll speed adjustment at 5% to 100% of maximum rate.
- Excludes auxiliary load and unload motors.
- On models DP 2510 AND DP 3015, 1 HP SCR motor drives both metering and unloading auger.

CUSTOM ACCESSORIES

- FRONT FILL (REAR STD)
- FRONT DISCHARGE (REAR STD)
- FEED-ROLL MONITOR (STD)
- DISCHARGE OVERFLOW (STD)
- AUX STARTERS 10 HP MAX (STD)
- GARNER W/Y VALVE/SPOUT
- GARNER LEVEL CONTROLS
- RECLAIM
- WEATHERSHIELD
- RECLAIM W/WEATHERSHIELD
- WALKWAY 1 SIDE
- WALKWAY 1 SIDE & ENDS
- WALKWAY 2 SIDES & ENDS
- SHUTDOWN ALARM W/LIGHT
- MANUAL SHUTOFF (MAXON)
- EXHAUST COLUMN CONTROLS
- DRAG CONVEYOR (DISCHARGE)
- TRANSPORTS

DP SERIES 240V-3P 480V-3P 575V-3P

MODEL SPECIFICATIONS		10FT DP3015	15FT DP4025	20FT DP6030	25FT DP7550	30FT DP9045	40FT DP12060
OVERALL FRAME LENGTH	FT-IN M	10-7 3.23	15-7 4.75	20-7 6.28	25-7 7.80	30-7 9.33	40-7 12.37
GRAIN COLUMNS	FT M	10 3.05	15 4.57	20 6.10	25 7.62	30 9.15	40 12.20
GRAIN HOLDING (CORN)	BU TONNES	317 8.07	475 12.09	634 16.13	793 20.18	951 24.20	1268 32.26
(1a) CORN	20%-15%	300 7.63	400 10.18	600 15.27	750 19.08	900 22.90	1200 30.53
(1a) CORN	25%-15%	180 4.58	240 6.11	360 9.16	450 11.45	540 13.74	720 18.32
(1b) SORGHUM (MILO)	18%-14%	295 7.51	394 10.02	590 15.02	738 18.78	886 22.53	1180 30.05
(1c) SOYBEANS	18%-13%	210 5.72	280 7.63	420 11.44	525 14.31	630 17.17	840 22.89
(1d) WHEAT	18%-13%	270 7.36	360 9.81	540 14.71	675 18.39	810 22.07	1080 29.43
(1e) SUNFLOWERS	15%-10%	375 5.44	500 7.26	750 10.89	935 13.61	1125 16.33	1500 21.77
FAN(S) 38" DIA. 1750 RPM	HP KW	1-15 11.25	1-25 18.75	2-15 11.25	2-25 18.75	3-15 11.25	4-15 11.25
BURNER(S) @70°F 21°C	M/BTU/HR GJ/HR	1.78	1.85 2.44	2.58 3.56	3.76 4.87	5.14 5.34	5.64 7.12
LEVELING AUGER 8"	HP KW	1 .75	2 1.50	2 1.50	3 2.25	3 2.25	5 3.75
UNLOADING AUGER 8"	HP KW	(5) NOTE	1 .75	1 .75	2 1.50	2 1.50	3 2.25
METERING	HP-SCR KW	1 .75	1 .75	1 .75	1 .75	1 .75	1 .75
(2) MAX UNLOAD RATE (CORN)	BPH TONNES	600 15.27	900 22.90	1200 30.53	1500 38.17	1800 45.80	2300 58.52
(3) TOTAL HORSEPOWER	HP KW	17 12.75	29 21.75	34 25.50	56 42.00	51 38.25	69 51.75
(3) TOTAL DRYER AMPS	240V-3P	51.0	83.9	99.8	157.8	147.8	198.2
(3&4)	480V-3P	28.2	44.6	52.6	81.6	76.6	101.8
(3&4)	575V-3P	23.8	36.5	43.5	66.0	63.0	83.4
DRYER WEIGHT	LBS KG	6,000 2,722	9,000 4,082	12,000 5,443	15,000 6,804	18,000 8,165	24,000 10,862

Tonne (Metric Ton) based on: **(1a)** CORN @ 56 LB/BU=39.3 BU/TONNE **(1b)** SORGHUM @ 56 LB/BU=39.3 BU/TONNE
(1c) SOYBEANS @ 60 LB/BU=36.7 BU/TONNE **(1d)** WHEAT @ 60 LB/BU=36.7 BU/TONNE
(1e) SUNFLOWERS @ 32 LB/BU=68.9 BU/TONNE

- Actual discharge rate is controlled by metering roll speed adjustment at 5% to 100% of maximum rate.
- Excludes auxiliary load and unload motors.
- 480V-3P and 575V-3P include step-down transformer.
- On model DPSL 3015, 1 HP SCR motor drives both metering and unloading auger.

DPSL SERIES 240V-3P 480V-3P 575V-3P

MODEL SPECIFICATIONS		10FT DPSL3520	15FT DPSL4530	20FT DPSL7040	25FT DPSL8560	30FT DPSL10560	40FT DPSL14080
OVERALL FRAME LENGTH	FT-IN M	10-7 3.23	15-7 4.75	20-7 6.28	25-7 7.80	30-7 9.33	40-7 12.37
GRAIN COLUMNS	FT M	10 3.05	15 4.57	20 6.10	25 7.62	30 9.15	40 12.20
GRAIN HOLDING (CORN)	BU TONNES	317 8.07	475 12.09	634 16.13	793 20.18	951 24.20	1268 32.26
(1a) CORN	20%-15%	350 8.91	450 11.45	700 17.81	850 21.63	1050 26.72	1400 35.62
(1a) CORN	25%-15%	210 5.34	270 6.87	420 10.69	510 12.98	630 16.03	840 21.37
(1b) SORGHUM (MILO)	18%-14%	344 8.76	443 11.27	688 17.53	836 21.28	1033 26.29	1378 35.05
(1c) SOYBEANS	18%-13%	245 6.68	315 8.58	490 13.35	595 16.21	735 20.03	980 26.70
(1d) WHEAT	18%-13%	315 8.58	405 11.04	630 17.17	765 20.84	945 25.75	1260 34.33
(1e) SUNFLOWERS	15%-10%	438 6.35	563 8.16	875 12.70	1063 15.42	1313 19.05	1750 25.40
FAN(S) 38" DIA. 1750 RPM	HP KW	1-20 15.00	1-30 22.50	2-20 15.00	2-30 22.50	3-20 15.00	4-20 15.00
BURNER(S) @70°F 21°C	M/BTU/HR GJ/HR	2.11 2.23	2.72 2.87	4.23 4.47	5.44 5.74	6.35 6.70	8.46 8.86
LEVELING AUGER 8"	HP KW	1 .75	2 1.50	2 1.50	3 2.25	3 2.25	5 3.75
UNLOADING AUGER 8"	HP KW	(5) NOTE	1 .75	1 .75	2 1.50	2 1.50	3 2.25
METERING	HP-SCR KW	1 .75	1 .75	1 .75	1 .75	1 .75	1 .75
(2) MAX UNLOAD RATE (CORN)	BPH TONNES	600 15.27	900 22.90	1200 30.53	1500 38.17	1800 45.80	2300 58.52
(3) TOTAL HORSEPOWER	HP KW	22 16.50	34 25.50	44 33.00	66 49.50	66 49.50	89 66.75
(3) TOTAL DRYER AMPS	240V-3P	63.0	95.8	123.8	181.8	183.8	246.2
(3&4)	480V-3P	34.2	50.6	64.6	93.6	94.6	125.8
(3&4)	575V-3P	28.8	41.5	53.5	76.0	78.0	103.4
DRYER WEIGHT	LBS KG	6,000 2,722	9,000 4,082	12,000 5,443	15,000 6,804	18,000 8,165	24,000 10,862

Tonne (Metric Ton) based on: **(1a)** CORN @ 56 LB/BU=39.3 BU/TONNE **(1b)** SORGHUM @ 56 LB/BU=39.3 BU/TONNE
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(1e) SUNFLOWERS @ 32 LB/BU=68.9 BU/TONNE

- Actual discharge rate is controlled by metering roll speed adjustment at 5% to 100% of maximum rate.
- Excludes auxiliary load and unload motors.
- 480V-3P and 575V-3P include step-down transformer.
- On model DPSL 3520, 1 HP SCR motor drives both metering and unloading auger.



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P.O. Box 1265
Sioux Falls, SD 57101-1265

1-800-557-4689
605-336-1750
www.siouxsteel.com



DP and DPSL SERIES



PRIDE OF
THE INDUSTRY



WE'VE SET THE STANDARDS

**GRAIN COLUMNS
COMPARTMENTALIZED
EVERY 15", THICKNESS 12"-14"**



**PREHEAT CHAMBER
(with access door)**



**PLENUM ACCESS
WITH LARGE
WALK-IN DOOR.
(24" X 40")**

**PLENUM
CHAMBER**

LOW GRAIN MONITOR

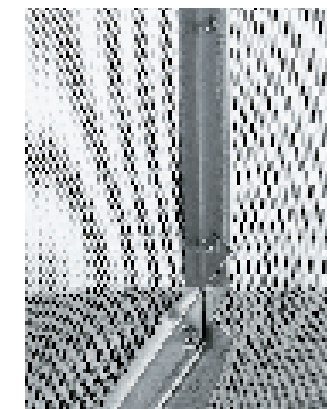
LADDER AND PLATFORM

**FULL VIEW
CONTROL CENTER**

**UNIQUE DELUX VACUUM COOLING
30% TO 50% MORE EFFICIENT
THAN CONVENTIONAL GRAIN DRYING
WHILE PRESERVING GRAIN QUALITY**



**COOLING
CHAMBER**



UNIQUE LOCK-LIP CONSTRUCTION
All Delux Grain Dryers feature a unique lock-lip design for a superior grain seal. Grain columns feature full height vertical support every 15".

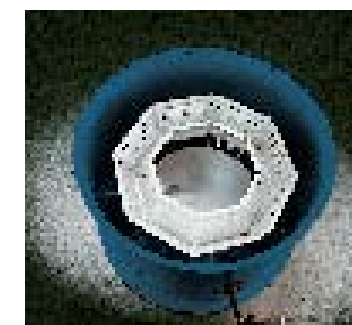


HIGH-LOW GRAIN MONITOR
Leveling Auger with wet grain distribution trough.



UNIQUE FUEL TRAIN
Features fuel economizing modulating heat control. Operates the entire system on single or multiple burners.

Canadian gas controls available.



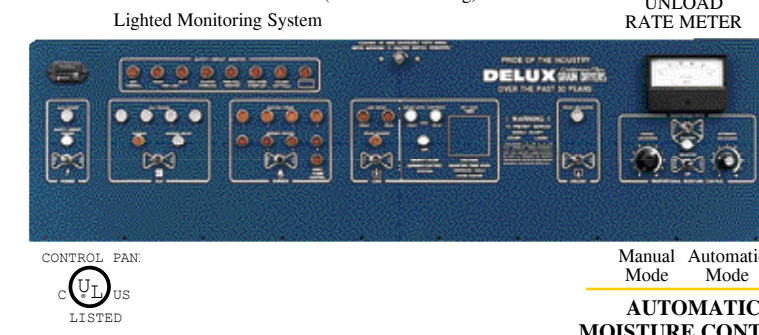
ENERGY EFFICIENT BURNER
Burner assures a complete, controlled burn and maximum heat transfer with minimum fuel consumption.



ACCRA-MATIC METERING AND DISCHARGE SYSTEM
Self cleaning concave aluminum metering rolls are designed for consistently measured discharge eliminating grain damage. Grain column slide gates provide simple cleanout. Flip-up doors offer easy access to the metering and discharge system.

LOCKABLE CONTROL CENTER

(color coded wiring)

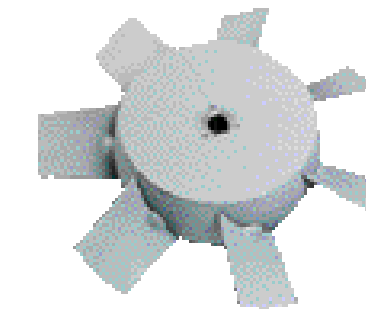


CONTROL PAN
CULUS LISTED

UNLOAD RATE METER

Manual Mode
Automatic Mode

**AUTOMATIC
MOISTURE CONTROL**

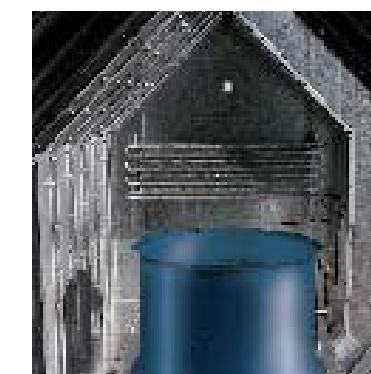


**QUIET WIDE-VANE
VARIABLE PITCH AXIAL FAN**
Industrial grade fan provides super-quiet, safe operation. Unique design keeps fan clean, maintaining proper balance and air flow.



SCR METERING AND DISCHARGE
With feed roll monitor.

**DOMESTIC INDUSTRIAL
GRADE MOTOR
1750 RPM**



TIME-PROVEN INDIRECT VAPORIZER
Located in the Plenum Chamber away from the flame, eliminates repeated adjustments caused by fluctuating flame length. Meets commercial insurance codes.