



Rozell Sprayer

MANUFACTURING CO., Inc.

PRODUCT CATALOG

"Old-Fashioned Service & Quality"



www.ROZELLSPRAYERS.com

Custom-Built Sprayers • Repairs • Agriculture Sprayers • Industrial Sprayers • GPS Devices



OWNER/OPERATOR

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SHOP MANAGER

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OFFICE MANAGER

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REPAIR & ASSEMBLY

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COMPANY WELDER

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COMPANY WELDER

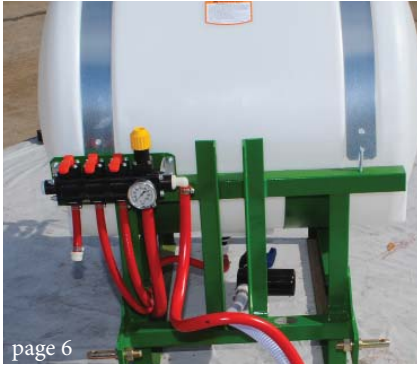
Kyle Rozell

MISSION STATEMENT

We at Rozell Sprayer Mfg. believe that the key to a successful business is to develop a long term win-win relationship with our customers and suppliers.

We strive to know and understand your business so we can provide *Old-Fashioned Service and Quality.*





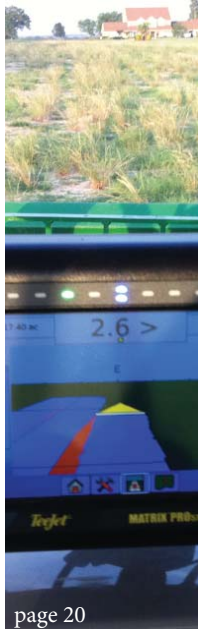
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MISSION STATEMENT

We at Rozell Sprayer Mfg. believe that the key to a successful business is to develop a long term win-win relationship with our customers and suppliers.

ONE-YEAR LIMITED WARRANTY

Rozell Sprayer Manufacturing Co. products are warrantied for one year against defects in materials and workmanship and to perform according to specifications furnished when such products are properly assembled, installed, used and maintained

3 POINT SPRAYERS

Suspended three-point sprayers allow you to spray large areas like lawns, golf courses, and pastures without damage to turf or plants from extra wheels.

SKID SPRAYERS

Skid sprayers are ideal for fertilizer and pesticide spraying, weed spraying, firefighting, high-pressure mobile cleaning and more!

TRAILER SPRAYERS

Pull-behind trailer sprayers are great for agricultural and landscape use. Off-road and on-road styles in capacities from 15-gallons to 1600-gallons.

BOOMS

We have a variety of sprayer booms instock and ready to assemble. Booms as small as 17-feet and as large as 24 feet, reaching ranges of up to 50-foot spray patterns.

PUMP PARTS & ACCESSORIES

Are you looking for replacement or add-on parts for your sprayer booms and sprayer nozzles?

CUSTOM-BUILT SPRAYERS

We can design and build pretty much any sprayer you may need for your setup. No task is impossible, we have expert installers that specialize in custom-made sprayers.

GPS DEVICES

MATRIX Pro Guidance like you've never seen before! TeeJet Technologies GPS Devices.

TANKS

Rugged, impact-resistant, one-piece seamless polyethylene construction make our tanks suitable for the storage and/or transport of most liquid chemicals.

SPRAY NOZZLES

Boominator - World Leader in Industrial Boomless Spray Nozzles. Made In The U.S.A.

CALIBRATION

If you spray pastures yourself, taking a little time to calibrate your equipment before you spray can pay big dividends. And it's not difficult.

HONDA GX SERIES ENGINES

Honda GX Series Engines have long been recognized as the industry leader in providing reliable, easy-starting and fuel efficient small engines.





Toll-Free: 1-866-277-7297

ONE-YEAR LIMITED WARRANTY

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Darren Rozell, Owner & Operator





ROZELL SPRAYER MANUFACTURING Co. products are warrantied for one year against defects in materials and workmanship and to perform according to specifications furnished when such products are properly assembled, installed, used and maintained. Should any part prove defective within one year from date of purchase, the part will be replaced F.O.B. our factory without charge, providing the part is returned to us, transportation charges prepaid. No allowance will be made for labor, transportation charges, or other charges incurred in the replacement of the defective part. Rozell Sprayer Manufacturing Co. will not be responsible for labor charges, losses or damage caused by a defective part. Component parts, equipment, accessories and items not manufactured by Rozell Sprayer Manufacturing Co., are warrantied only to the extent of the original manufacturer's warranty. Consequential damages, if any, are specifically excluded from this warranty.



3 POINTS

Suspended three-point sprayers allow you to spray fields and pastures, without damage to the soil.

RSM55 / 3 PT.

- Snyder Superpoly Tank w/ Straps
- 6-Roller Pump w/ Quick Coupler
- High Pressure Jet Agitator
- 1" Hydro In-line Strainer w/ Cutoff
- Liquid Filled Gauge
- Complete Control Unit w/ Regulator
- 1870 Boominaor Boomless Broadcast Nozzle
- SG 2200 Trigger Hand Nozzle w/ 20ft. hose
- Rugged all welded frame



RSM110 / 3PT.

- Snyder Superpoly Tank w/ Straps
- Hydro-7560-C 8-Roller Pump w/ Quick Coupler
- High Pressure Jet Agitator
- 1" Hydro In-line Strainer w/ Cutoff
- Liquid Filled Gauge
- Complete Hydro Control Unit w/ Regulator
- Adjustable Control Arm
- Twin ZT020 Boomless Nozzle
- SG 2200 Trigger Hand Nozzle w/ 20ft. hose
- Rugged all welded frame w/ tires & wheels



SPRAYERS

1 to spray large areas like lawns, golf courses
to turf or plants from extra wheels.

RSM150 / 3 PT.

- Synder Superpoly Tank w/ Straps
- Hypro-7560-C 8-Roller Pump w/ Quick Coupler
- High Pressure Jet Agitator
- 1" Hydro In-line Strainer w/ Cutoff
- Liquid Filled Gauge
- Complete Hydro Control Unit w/ Regulator
- Adjustable Control Arm
- Twin ZT020 Boomless Nozzle
- SG 2200 Trigger Hand Nozzle w/ 20ft. hose
- Rugged all welded frame w/ tires & wheels



RSM200 / 3 PT.

- Synder Superpoly Tank w/ Straps
- Hypro-7560-C 8-Roller Pump w/ Quick Coupler
- High Pressure Jet Agitator
- 1" Hydro In-line Strainer w/ Cutoff
- Liquid Filled Gauge
- Complete Hydro Control Unit w/ Regulator
- Adjustable Control Arm
- Twin ZT020 Boomless Nozzle
- SG 2200 Trigger Hand Nozzle w/ 20ft. hose
- Rugged all welded frame w/ tires & wheels



SKID SP

Skid sprayers are ideal for fertilizer and
firefighting, high-pressure n

RSM50 12-Volt Pumptec

- White Poly Tank (any style)
- 12-Volt 350U Series Pumptec Pump & Motor
 - 1200 Maximum Pressure
 - 3.7 Open Flow
 - U-Cup Seals & Viton O-rings
 - (2) 3/8" NPF [F] Inlet & Discharge Ports
- Maruyama MSD41 3-Cylinder Piston Pump with Regulator & Controls
- Pumptec Regulator
- Small Manual Summitt Reel
- 150' of 3/8" Hose (optional 300')
- Quick Couplers & JD9 Gun
- Also Available in 25 & 100 Gallon



RSM50 Low Profile Skid

- 50 Gallon 42" x 42" x 15" Rectangular Poly Tank
- 5.5 HP Honda Manual Start with Low Oil Pressure Shut-Down-Steel Sleeved
- Maruyama MSD41 3-Cylinder Piston Pump with Regulator & Controls
- 12" Summitt Hose Reel with 300' 3/8" x 600 PSI Hose & Green Garde Gun w/ Quick Couplers
- Overall dimensions 42" x 42" x 20"



RAYERS

and pesticide spraying, weed spraying,
e mobile cleaning and more!

RSM100/150/200 Skid

- PCO Poly Tank
- 5.5 HP Honda GX160 Engine
- Maruyama MSD41 3-Cylinder Piston Pump with Quick By-Pass and High Pressure Gauge
- 12" Summitt Hose Reel with 300' 3/8" x 600 PSI Hose & Green Garde Gun w/ Quick Couplers
- Rugged All-Steel Welded Frame
- Spray Max High Pressure Adjustable Handgun with Quick Couplers
- 1" Clear In-Line Strainer
- High Pressure Jet Agitator



RSM325 PCO Skid

- PCO Poly Tank
- 5.5 HP Honda GX160 Engine
- Maruyama MSD41 3-Cylinder Piston Pump with Quick By-Pass and High Pressure Gauge
- 12" Summitt Hose Reel with 300' 3/8" x 600 PSI Hose & Green Garde Gun w/ Quick Couplers
- Rugged All-Steel Welded Frame
- Spray Max High Pressure Adjustable Handgun with Quick Couplers
- 1" Clear In-Line Strainer
- High Pressure Jet Agitator





Toll-Free: 1-866-277-7297

TRAILERS

Pull-behind trailer sprayers are great for
Off-road and on-road styles in capacities

RSM 200-TP

- Elliptical Superpoly Tank with Straps
- 8-Roller Pump with Quick Coupler
- High Pressure Jet Agitator
- 1" In-Line Strainer with Cutoff
- Complete Control Unit with Regulator
- Adjustable Control Arm
- Two XT020 Boomless Nozzels (Left & Right)
- SG 2200 Trigger & Hand Nozzle with 20" Hose

RSM 300-TP

- Elliptical Superpoly Tank with Straps
- 8-Roller Pump with Quick Coupler
- High Pressure Jet Agitator
- 1" In-Line Strainer with Cutoff
- Complete Control Unit with Regulator
- Adjustable Control Arm
- Two XT020 Boomless Nozzels (Left & Right)
- SG 2200 Trigger & Hand Nozzle with 20" Hose





SPRAYERS

Perfect for agricultural and landscape use.
Capacities from 15-gallons to 1600-gallons.

RSM 500-TP

- Elliptical Superpoly Tank with Straps
- 8-Roller Pump with Quick Coupler
- High Pressure Jet Agitator
- 1" In-Line Strainer with Cutoff
- Complete Control Unit with Regulator
- Adjustable Control Arm
- Two XT020 Boomless Nozzels (Left & Right)
- SG 2200 Trigger & Hand Nozzle with 20" Hose

RSM 800/1000/1600-TP

- **Standard Features**
- Ace Hydraulic Centrif Pump
- 3 Sec Manual Control
- Dual Bypass Agitation
- RSM Super Extenda Boom
- **Optional Features:**
- Honda 5.5 with Ace GE660 Pump (Optional)
- RC-IB-2040 3 Boom Switch Controller with 3 1900 Solenoid Valves & Regulator (Optional)





Toll-Free: 1-866-277-7297

BOC

We have a variety of sprayer boom
Booms as small as 17 feet and as large as 24 feet, 1

RSM 17ft Boom

- Built with 1" Square Tubing
- All Plumbing 300 P.S.I. Hose with Spring Loaded Cam
- 11 - All Nylon Hose Shank Nozzles Bodies Complete
- Nozzles are 80 ° and Set on 20" Centers Unless Otherwise Specified
- Self-Supported Booms - No Cables or Chains
- Booms Fold to 72" - Available in Any Size to 20"
- Comes Completely Assembled

RSM 24ft Boom

- Built with 1" & 1.5" Square Tubing
- All Plumbing 300 P.S.I. Hose with Spring Loaded Cam
- 14 - All Nylon Hose Shank Nozzles Bodies Complete
- Nozzles are 80 ° and Set on 20" Centers Unless Otherwise Specified
- Self-Supported Booms - No Cables or Chains
- Booms Fold to 90" - Available in Any Size to 24"
- Comes Completely Assembled





DMS

Booms instock and ready to assemble.
Fast, reaching ranges of up to 50-foot spray patterns.

RSM Extenda Boom

- Total Boom Width - 6'
- Total Spray Pattern - 44'
- Nozzles Used:
 - 3 Floodjet Nozzles (Adjustable Up & Down)
 - Left & Right Side - XT020 Boom Extender (Adjustable In & Out)
- This Boom is Setup with 3 Section Control:
 - Left - 17'
 - Center - 10'
 - Right - 17'

RSM Super Extenda Boom

- Total Boom Extended - 14' 6"
- Folded Boom - 7'
- Total Spray Pattern - 50'
- Nozzles Used:
 - Center - 1 Boominator 1250FS (Adjustable Up & Down)
 - Left & Right Side - XT020 Boom Extender (Adjustable In & Out)
- This Boom is Setup with 3 Section Control:
 - Left - 17'
 - Center - 16'
 - Right - 17'





Toll-Free: 1-866-277-7297

PUMP PARTS AND

Are you looking for replacement or add-on parts?



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903-592-3398 | 903-592-7867 (Fax)

ND ACCESSORIES

Parts for your sprayer booms and sprayer nozzles?



ROZELL SPRAYER MANUFACTURING 15



Selecting the Right Pump

“Positive displacement” vs. “Non-positive displacement”

Hypro's long line of pumps can be divided into two general categories: “positive displacement” and “non-positive displacement.” Roller, diaphragm and piston pumps are positive displacement. That is, the flow from the pump is directly proportional to the pump speed. This positive flow is why all positive displacement pump hook-ups must include a relief valve and bypass line between the pump outlet and the nozzle shut-off valve.

Centrifugal and turbine pumps are non-positive displacement. In these pumps, a rotating impeller creates a centrifugal force that feeds the liquid through the system instead of capturing and discharging a fixed volume “per stroke” as rollers, pistons or diaphragms would do. Therefore, if the outlet is closed, the impeller simply continues to rotate harmlessly. That is why special relief valves are not required in centrifugal pump systems.



Centrifugal and Transfer Pumps (non-positive displacement)

In centrifugal pumps, spray solution enters through the center of a rotating impeller that's driven at speeds up to 6000 RPM. Spray solution is forced to the outer edge of the housing; this centrifugal force is what delivers the liquid to the nozzle. Traditionally thought of as low to medium pressure pumps, Hypro's centrifugal pumps can deliver from 0-190 psi and flow rates up to 440 gpm. Because centrifugals have minimum surfaces to wear and no valves, they are very durable, easy to maintain and well suited for pumping abrasive and corrosive materials.

Because centrifugal pumps operate at higher speeds, the PTO speed must be increased through a speedup gear drive, belt/pulley drive, gas engine drive, or a high-speed hydraulic motor. (Hypro has models specifically designed for each of these applications.)

The broad, versatile line includes models with rugged housings of cast iron, polypropylene and stainless steel that stand up to the wide variety of agricultural chemicals.



Roller Pumps (positive displacement)

Hypro roller pumps are the number one all-around choice by farmers throughout the world. The rollers (from 4 to 8, depending on the model) revolve inside the pump housing to force the spray solution through the outlet to the nozzle. Roller pumps have a low initial cost and are extremely versatile. They operate efficiently at PTO speeds of 540 and 1000 rpm and have a wide pressure range of up to 300 psi and flow rates of 2 to 62 gpm. Roller pumps are self-priming and easily adapt to PTO or gas engine drives. Specific seal, roller and casting materials can be selected for compatibility with certain herbicides, pesticides, fungicides and fertilizers.



Piston Pumps (positive displacement)

Piston pumps are not unlike an engine. That is, they have a shaft, pistons and “intake” and “exhaust” valves. On the down-stroke, the inlet valve opens, filling the chamber with solution. On the up-stroke, the outlet valve opens, and the piston forces the solution to the nozzle. Piston pumps deliver relatively low flow rate (up to 10 gpm) at high pressure (up to 1000 psi). The replaceable piston cups can be of leather, fabric or Buna-N rubber, depending on the type of solution to be sprayed. They can be driven by 540 rpm PTO, gas engine or electric motor. Their low volume/high pressure capability permits use in general spraying as well as task-oriented applications such as spraying fence rows and ditches, and hydrostatic testing.



Diaphragm Pumps (positive displacement)

Because of their design, diaphragm pumps provide excellent handling of abrasive and corrosive materials. The pumping cylinders (from 2 to 6) are separated from the piston chambers (Hypro's are oil-filled) by a synthetic diaphragm. This keeps the spray solution from contacting and corroding the internal pump components.

Diaphragm pumps are compact, self-priming and produce medium-to-high pressures (275 to 725 psi) with flow rates of 3.5 to 65.7 gpm. Driven by 540 rpm PTO, gas engine, DC or hydraulic motor, diaphragm pumps are used for a variety of agricultural, horticultural and pest control spraying applications.

MARUYAMA UNIFLOW Piston Pumps

Patented Technology

DIRECT DRIVE	MSD41 5/8 / MSD41 3/4
No. Cylinders	3
Cylinder coating	chrome
Drive	DIRECT
Approx. Weight (lbs)	12.5
Pressure (psi max.)	570
Suction Volume (gpm)	8.0
Required Power (hp)	4.0
Commercial Warranty	5 years
Item No.	354053 / 354051



MSD41
Direct Drive

- * Why our Piston Pumps? - Maruyama's patented UNIFLOW Technology = UNIQUE!
- * LOW Pulsation, Vibration & HIGH Efficiency.
- * LOW cost of ownership / maintenance.



- Suction 1-1/4" Discharge 1"
 - 204 motor requires 4 GPM (15.1 LPM) hydraulic flow on PC Closed and Open Center Systems
 - 210 motor requires 10 GPM (37.9 LPM) hydraulic flow on LS Closed and Open Center Systems
 - 310 motor requires 16 GPM(60.6 LPM) hydraulic flow on Large Open Center Systems
- Integral Needle Valve bypasses up to 9 GPM (34 LPM) on Open Center Systems
- Standard Viton® Carbon/Ceramic seal or Optional Severe Duty Silicon Carbide Mechanical Seal
- Chemical Resistant Valox® or Optional Cast Iron Impeller
- Stainless Steel Shaft and Wear Ring



HIGH PERFORMANCE 12V PUMP

- 3 GPM at 150 PSI, 30 amp
- No engine noise, work any time
- No gas or emissions
- No diaphragms to fail
- Multi function control system





Toll-Free: 1-866-277-7297



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CUSTOM-BUILT SPRAYERS

We can design and build pretty much any sprayer you may need for your setup. No task is impossible. We have expert installers that specialize in custom-built sprayers.

Call us today to discuss what we can create for you!





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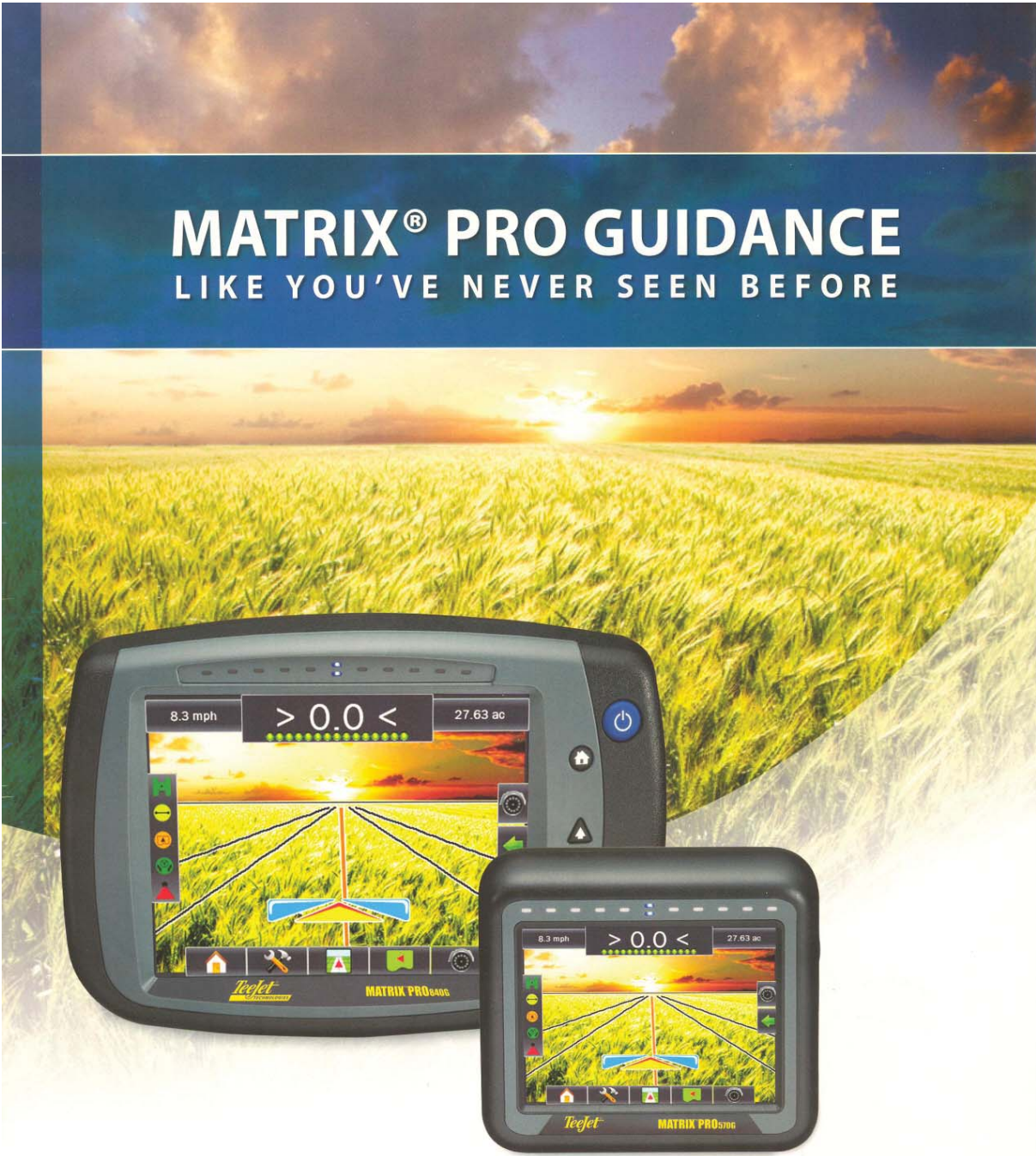




Toll-Free: 1-866-277-7297

MATRIX® PRO GUIDANCE

LIKE YOU'VE NEVER SEEN BEFORE



A Subsidiary of  **Spraying Systems Co.®**

TeeJet®
TECHNOLOGIES

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REALVIEW™ GUIDANCE OVER VIDEO A TEEJET EXCLUSIVE

MATRIX® PRO640G

RealView Guidance Over Video – A TeeJet Exclusive!
Now you can have all the guidance information you need, watch what's ahead and monitor various implement operations on a single console.

NextRow – Another TeeJet Exclusive
Finding the rows for your next pass just got easier. Matrix Pro's exclusive NextRow feature will guide you through headland turns.

Matrix Pro features also include:

- Upgrade applications for FieldPilot® Auto Steering, BoomPilot® ABSC, RowPilot planter section control and Tilt Compensation
- Create, save and recall boundaries and AB lines
- Two-way data transfer
- Internal WAAS/EGNOS receiver
- Upgrade compatibility to CORS RTK and Omnistar XP/HP
- Create permanent no spray zones
- Video input for up to 8 cameras with optional RealView hardware
- Matrix Pro is available with either an 8.4" or 5.7" bright color touch screen



MATRIX® PRO570G

RealView Camera



REALVIEW GUIDANCE OVER VIDEO



BE AWARE OF MORE BY SPLITTING THE SCREEN TO FOUR CAMERAS



VIDEO CAN BE TURNED OFF AT ANY TIME



REALVIEW CAMERAS CAN BE EASILY MOUNTED ANYWHERE



Toll-Free: 1-866-277-7297



AGRICULTURAL TANKS



BUILT FOR A LIFE ON THE FARM

24 ROZELL SPRAYER MANUFACTURING

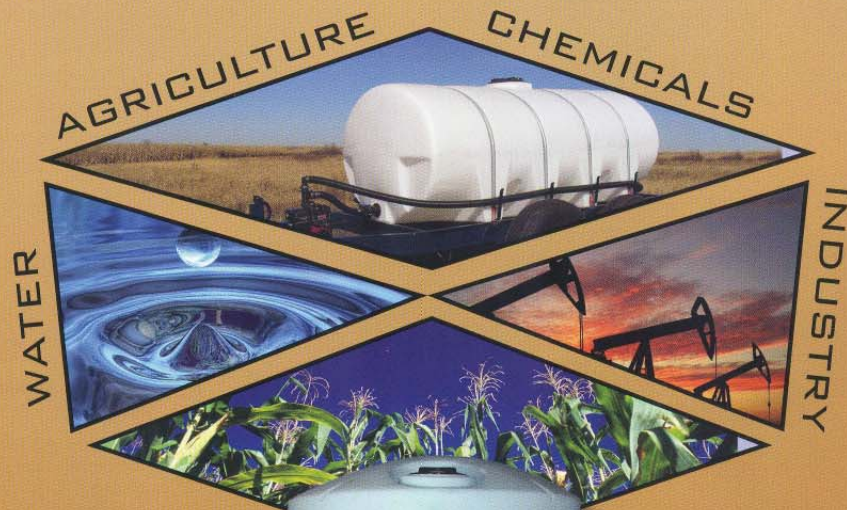




903-592-3398 | 903-592-7867 (Fax)

LIQUID STORAGE TANKS

Store with Confidence



2012 EDITION



www.norwesco.com

ROZELL SPRAYER MANUFACTURING 25





Liquid Storage Tanks

Norwesco is proud to be the world's largest manufacturer of molded poly tanks. For over 32 years, our customers have relied on Norwesco tanks for premium quality and reliability in performance.

Norwesco tanks are manufactured to strict quality guidelines to ensure years of high-performance use. Rugged, impact-resistant, one-piece seamless polyethylene construction make our tanks suitable for the storage and/or transport of most liquid chemicals. Norwesco tanks are manufactured using resins that meet FDA specifications to ensure safe storage of potable water. Norwesco tanks will be delivered to you with a fitting installed when applicable, but may also be ordered without a fitting.

Our goal is to make it easy and pleasant to do business with Norwesco. We consider our relationship with our customers to be one of our most valuable assets.

Small Vertical Storage Tanks

Gallon Capacity	Diameter	Overall Height	Fill Opening	Outlet/Drain	Premium Weight Part No. White	Heavy Weight Part No. Blue
22 □	20"	20"	8"	¾"	43608	—
25 □	18"	29"	5"	¾"	41867	—
50 □	18"	53"	5"	¾"	41865	—
65 □	23"	43"	8"	1¼"	45192	—
75 □	23"	49"	8"	1¼"	41863	—
100 □	28"	43"	8"	1¼"	41861	—
105 □	23"	63"	8"	2"	40803	—
120	38"	31"	5"	1¼"	40318	—
150	30"	56"	8"	1¼"	41859	—
165	31"	56"	16"	2"	40281	—
200	30"	72"	8"	2"	41856	—
210	32"	67"	16"	2"	47401	—
220	42"	44"	5"	1¼"	40320	—
250	30"	89"	8"	2"	41854	—
300	35"	79"	16"	2"	40213	—
305	46"	50"	16"	2"	40302	—
310	32"	94"	16"	2"	43625	—
500	48"	73"	16"	2"	40148	40150
550	67"	44"	16"	2"	40023	—
750	48"	103"	16"	2"	40606	—
850	48"	118"	16"	2"	42214	—
1000	64"	80"	16"	2"	40152	40154
1100	87"	53"	16"	2"	40070	40081
1100 G	87"	53"	16"	2"	42591	42593
1500	64"	116"	16"	2"	40144	40146
1550	87"	67"	16"	2"	40235	40236
1550 G	87"	67"	16"	2"	42595	42597
1700	87"	74"	16"	2"	40010	40012

□ May ship UPS

G=Gusset Top

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.



Large Vertical Storage Tanks

Vertical storage tanks are most frequently used for bulk storage and mobile nursing applications. Norwesco vertical tanks feature tie-down slots, built-in graduated gallon indicators, an offset fill-opening and a self-vented, slosh-proof lid.



	Gallon Capacity	Diameter	Overall Height	Fill Opening	Outlet Drain	Premium Weight Part No. White	Heavy Weight Part No. Blue
	2000	64"	152"	16"	2"	47109	47564
	2100	87"	89"	16"	2"	40178	40241
	2100	102"	69"	16"	2"	41399	—
	2500	95"	91"	16"	2"	40051	40052
	2500	102"	79"	22"	2"	42382	42384
NEW	2550	93"	95"	16"	2"	43816	43818
	3000	91"	119"	16"	2"	45081	—
	3000	95"	109"	16"	2"	40754	40755
	3000	95"	109"	16"	3 1/2"	43092	43093
	3000	102"	93"	16"	2"	45246	42380
	3000	102"	93"	22"	2"	43136	43138
	4000	102"	125"	16"	3 1/2"	40312	—
	4200	102"	131"	16"	3 1/2"	41403	—
	5000	102"	152"	16"	3 1/2"	40164	40166
NEW	5000	141"	86"	16"	3 1/2"	40941	43833
	5500	138"	92"	16"	3 1/2"	45086	—
NEW	5800	141"	100"	16"	3 1/2"	40071	43820
	6000	102"	182"	16"	3 1/2"	40226	40233
	6100	119"	140"	16"	3 1/2"	40659	40661
	6500	119"	150"	16"	3 1/2"	40224	40232
	6500	120"	147"	16"	3 1/2"	42315	42317
	7800	119"	176"	16"	3 1/2"	40663	40665
	8400	119"	188"	16"	3 1/2"	42060	42062
	9000	141"	146"	16"	3 1/2"	40543	40231
	9000	141"	146"	22"	3 1/2"	43618	43620
	10000	141"	160"	16"	3 1/2"	40545	40353
	10000	141"	160"	22"	3 1/2"	43128	43130
	12000	141"	193"	16"	3" *	40539	40541
	15000	141"	244"	16"	3" *	41334	41336
NEW	15000	165"	186"	22"	3" *	43821	43823
NEW	20000	165"	242"	22"	3" *	43825	43827

*316 Stainless Steel Bolted Fitting

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.

Transport Tanks

Horizontal Leg Tanks

With the broadest leg tank line available, Norwesco manufactures a size that will fit your needs. Used primarily for transport and nursing applications, Norwesco's leg tanks feature molded-in legs that act as "baffles" to reduce sloshing. Please refer to page 5 for support bands.



Gallon Capacity	Diameter	Overall Height	Length	Fill Opening	Outlet/Drain	No. of Bands	Premium Weight Part No. White	Heavy Weight Part No. Blue
35 □	20"	23"	29"	5"	3/4"	2 optional	45223	—
55 □	23"	26"	34"	5"	3/4"	2 optional	41873	—
65 □	23"	26"	43"	5"	3/4"	2 optional	45191	—
125	32"	35"	41"	8"	2"	2 optional	40298	—
225	38"	41"	49"	8"	2"	2 optional	40299	—
225 Stand	38"W	41"	45"	—	—	—	42854	—
325	38"	43"	68"	16"	2"	2 optional	40217	—
330	38"	40"	74"	5"	2"	2 optional	42923	—
425	49"	54"	60"	16"	2"	2 optional	42016	—
525 Δ	49"	54"	71"	16"	2"	2 optional	40181	40193
725 *	49"	54"	101"	16"	2"	3 required	40180	40194
925 *	62"	65"	80"	16"	2"	2 required	45209	—
925 * with sump	62"	69"	80"	16"	2"	2 required	45210	—
1025 *	49"	54"	139"	16"	2"	4 required	40089	40131
1325 *	66"	70"	99"	16"	2"	3 required	41875	41877
1625 *	63"	68"	139"	16"	2"	4 required	40026	40133
1800 * 2CPT	62"	68"	146"	16"	2"	4 required	42990	—
1800 * with sump, 2CPT	62"	72"	146"	16"	2"	4 required	42992	—
5025 *	92"	96"	190"	16" **	3 1/2"	5 required	41879	41881

□ May ship UPS *Requires full length support and bands Δ Requires full length support **16" hinged lid

Elliptical Leg Tanks

This elliptical tank style is designed to provide the greatest capacity with the lowest center of gravity, making it the best design available for transporting larger volumes. Norwesco elliptical tanks feature molded-in legs that act as "baffles" to reduce sloshing and provide increased stability during transport. Norwesco elliptical leg tanks require full length bottom support as well as support bands. Please refer to page 5 for support bands. The 1600 flat bottom requires full length bottom support but does not require bands.



Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain	Premium Weight Part No. White	Heavy Weight Part No. Blue
335	48"	33"	71"	16"	2"	42339	—
535	57"	39"	80"	16"	2"	42353	—
1035	79"	54"	89"	16"	2"	40191	—
1235	66"	53"	128"	16"	2"	40239	—
1335	66"	55"	126"	16"	2"	42927	42929
1600 flat bottom	80"	53"	126"	16"	2"	43143	43167
1635	71"	58"	142"	16"	2"	40387	40388
2035	84"	56"	142"	16"	2"	40618	40623
2635	90"	72"	140"	16"	3 1/2"	40547	40283
3135	88"	80"	150"	16"	3 1/2"	40686	40688
4035	92"	75"	192"	16" **	3 1/2"	41267	41269

**16" hinged lid

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.



Drainable Leg Tanks

When complete drainage is necessary, these are the tanks of choice. They are designed primarily for use on fertilizer and chemical nurse trailers. All Norwesco drainable tanks require full length bottom support as well as support bands. Please refer below for support bands.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain	No. of Bands	Premium Weight Part No. White	Heavy Weight Part No. Blue
710 (horizontal)	47"	57"	104"	16"	2"	3 required	40655	40657
1010 (horizontal)	47"	58"	140"	16"	2"	4 required	40393	40395
1310 (horizontal)	66"	75"	99"	16"	—	3 required	41871	41872
1315 (elliptical)	66"	60"	126"	16"	—	3 required	42925	42926
1610 (elliptical)	69"	63"	140"	16"	—	4 required	40806	40808
2010 (elliptical)	69"	74"	140"	16"	—	4 required	43651	43652
2610 (elliptical)	90"	79"	140"	16"	—	4 required	41382	41383
3210 (elliptical)	92"	75"	178"	16"	—	4 required	40822	40824

*16" hinged lid

Steel Supports and Accessories for Leg Tanks Elliptical Leg Tank Bands

Tank Size	A	B	C	No. of Bands	Part No.
335	29"	46½"	52½"	2 required	63546
535	35"	55½"	61½"	2 required	63547
1035	47¼"	77"	83"	3 required	60325
1235	47¾"	64¾"	70¾"	4 required	60477
1335	49¾"	63½"	69½"	3 required	63642
1635	51"	68"	74"	4 required	60586
2035	51¼"	81½"	86¾"	4 required	62079
2635	65¼"	87½"	94"	4 required	60353
3135 *	75¼"	85½"	92"	4 required	62097
3135 **	74¼"	85½"	92"	4 required	63620
4035	70¼"	89½"	96"	4 required	62832

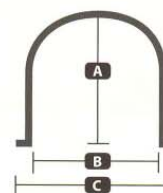
* For tanks manufactured in CA, MN, OK, TX, UT
** For tanks manufactured in GA, OH

Horizontal Leg Tank Bands

Tank Size	A	B	C	No. of Bands	Part No.
35 □	18½"	18½"	21⅜"	2 optional	60520
55 □	22"	22"	26½"	2 optional	61745
65 □	22"	22"	26½"	2 optional	61745
125 □	30¾"	30½"	35"	2 optional	61744
225 □	36½"	36"	42"	2 optional	60478
325 □	36½"	36"	42"	2 optional	60478
330 □	36½"	36"	42"	2 optional	60478
425	47¾"	46¼"	52¼"	2 optional	60057
525	47¾"	46¼"	52¼"	2 optional	60057
725	47¾"	46¼"	52¼"	3 required	60057
925	61"	60"	66"	2 required	62852
1025	47¾"	46¼"	52¼"	4 required	60057
1325	64"	64"	70"	3 required	63282
1625	61"	60¾"	67¼"	4 required	60079
1800 ∞	61"	60"	66"	4 required	62852
5025	89¾"	89½"	93⅞"	5 required	63284

□ May ship UPS ∞ Tank requires one connecting bar, Part No. 63653

Norwesco bands are custom fabricated to support the Norwesco tanks and are galvanized or powder coated for added corrosion protection. Whether using the tank in a stationary position or for transport, bands are necessary to ensure that the tank retains its shape and integrity.



Drainable Leg Tank Bands

Tank Size	A	B	C	No. of Bands	Part No.
710 □	46¼"	45"	51"	3 required	60584 short
1010 □*	46¼"	45"	51"	2 required	60584 short
1010 □*	48"	45"	51"	2 required	60585 long
1310	64"	64"	70"	3 required	63282
1315	49¾"	63½"	69½"	3 required	63642
1610	49"	66"	72"	4 required	62434
2010	59"	66"	72"	4 required	63846
2610 *	58"	87½"	91⅞"	2 required	63044 short
2610 *	62"	87½"	91 ⅞"	2 required	63045 long
3210 *	56"	89½"	92¼"	2 required	62347 short
3210 *	60"	89½"	92¼"	2 required	62348 long

□ May ship UPS *2 short and 2 long bands are required for 1 tank.

Ladders

Description	Tank Size	Part No.
Ladder (optional)	2635 & 3135	60354
Ladder (optional)	2610 & 3210	63047
Ladder (optional)	4035	63033
Adaptor kit for ladder †	3135	62301

† This kit is required when using the ladder on the 3135 gallon tank

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.

Pickup Truck Tanks

Designed to fit full-size, American made pickups, the 325 and 425 sizes have low profiles for better rear vision. They feature fill openings offset to the side of the tank for safety and easy access. A tough circular design adds strength. The 210 gallon tank fits both "mini" pickups and full-size models. Depending on which way the tank is turned, the bottom width can be either 39" or 48".



Gallon Capacity	Top Width or Diameter	Bottom Width or Diameter	Overall Height	Fill Opening	Outlet/Drain	Premium Weight Part No. White
210	60"/51"	48"/39"	29"	8"	2"	40300
325	62"	49"	33"	8"	2"	40160
425	65"	49"	39"	8"	2"	40102

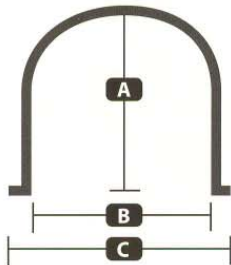


Flat Bottom Utility Tanks

Like the PCO tank, the Flat Bottom Utility tank can be used for many applications. It is the perfect choice when looking for a tank to put in the bed of a pickup truck. Select sizes have bands available as shown below. The tank may be used with or without bands.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain	Premium Weight Part No. White
NEW 26 □	18"	20"	25"	8"	¾"	43835
NEW 45 □	18"	22"	38"	5"	1"	43837
50 □	19"	23"	38"	8"	1"	42341
NEW 52 □	24"	15"	43"	5" *	1"	43839
NEW 68 □	27"	17"	42"	5" *	1"	43841
100 □	27"	29"	43"	8"	1"	42343
110 low profile	35"	18"	48"	5" *	1"	42349
150	36"	29"	48"	8"	1"	42345
200	36"	38"	48"	8"	1"	42347

□ May ship UPS * 5" Hinged Lid



Flat Bottom Utility Tank Bands

Tank Size	A	B	C	No. of Bands	Part No.
50 □	19"	18½"	23"	2 optional	63551
100 □	24"	25"	29½"	2 optional	63552
150 □	24"	34½"	39"	2 optional	63553
200 □	33"	34½"	39"	2 optional	63554

□ May ship UPS



PCO Tanks

A multi-purpose tank, the PCO is well suited for nursery, agricultural and lawn care applications. These tanks feature self-supporting legs and do not require any saddles or steel supports. Flat spots are molded into both ends to provide mounting areas for agitation equipment.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Premium Weight Part No. White
Smooth Wall					
30 □	19"	23"	25"	5"	41254
50 □	19"	22"	38"	8"	40664
100 □	30"	28"	38"	8"	40668
150	36"	28"	48"	8"	40669
200	36"	37"	48"	8"	41413
300	36"	37"	69"	16"	41381
Ribbed					
50 □	19"	23"	38"	8"	42834
100	30"	30"	38"	8"	42835
150	37"	29"	48"	16"	42836
200	37"	37"	48"	16"	42837

□ May ship UPS

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.



Loaf Tanks

The loaf tanks are designed for a variety of applications. Its rectangular shape allows for placement within pickup beds or it may be mounted on various equipment trailers for use as a mobile water supply. This line of tanks may also be used in a variety of stationary storage applications.

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Premium Weight Part No. White
50	27"	17"	41"	8"	43610
100	27"	30"	41"	8"	43611
200	36"	29"	48"	8"	43612
300	42"	30"	63"	8"	43613
500	48"	31"	92"	8"	43843



750 Gallon Elliptical Tank

Elliptical Tanks

Designed for larger volume applicator needs, the Norwesco elliptical tanks feature a low profile design and a low center of gravity for excellent visibility in the field and increased stability when towed. A deep sump permits complete drainage and the tanks feature an 8" or 16" fill-opening. Please refer to information below for steel supports.

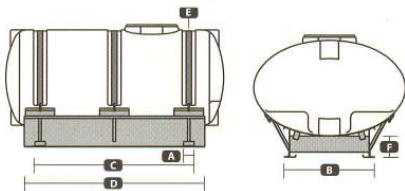
Gallon Capacity	Width	Overall Height Including Sump	Length	Sump Depth	Fill Opening	Outlet/Drain	Premium Weight Part No. White
200	40"	30"	66"	¾"	8"	1½" & 1¼"	41252
300	48"	36"	70"	3"	16"	1½" & 1¼"	40327
500	57"	44"	82"	5"	16"	1½" & 1¼"	40328
750	69"	48"	88"	3"	16"	2"	40329
1000	78"	55"	90"	3"	16"	2"	40330
1600 *	78"	54"	138"	2½"	16"	2"	47111

Skid not included with tank. See below for skids.

* Includes 1 stainless steel baffle

Elliptical Tank Skids (See dimensional drawings at left.)

(Skids come with bands and bolts.)



Tank Size	Tank Part No.	A	B	C	D	E	F	Part No.
200	41252	4"	24"	52"	57"	2" x 68"	8"	63015
300	40327	4"	34"	46¼"	54¼"	2" x 76"	8"	63016
500	40328	4"	34"	60"	68"	2" x 96"	8"	63018
750	40329	4"	38"	69½"	78"	2" x 112"	8"	60371
1000	40330	4"	46"	60"	72"	2" x 130"	8"	60372

200 and 300 are galvanized; 500 and larger are black painted steel. Replacement bands and hardware are available. Please contact Norwesco Customer Service for details.

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.

Applicator, Inductor, Total Drain and Spot Sprayer Tanks

Whether you're looking for a new or replacement tank, you'll find it in the Norwesco line. All Norwesco applicator tanks feature a lid which threads directly into the fill-opening of the tank to prevent the sloshing or leaking of tank contents during transport or application. The inductor tanks are suitable for mixing chemicals when filling a tank. The spot sprayers feature threaded inserts on the bottom of the tank for mounting purposes, on one side for wand/gun placement and on the top for a 12 volt pump. Please refer to page 9 for steel supports.



150 Gallon x 32" Applicator Tank

15 Gallon (24"D) Inductor Tank in Stand (Stand not included with tank. See page 9 for stands.)

5 Gallon Total Drain Tank

14 and 25 Gallon Spot Sprayer Tank

Applicator Tanks

Gallon Capacity	Diameter	Overall Height	Length	Fill Opening	Outlet/Drain	Premium Weight Part No. White
20 □△	15"	18"	31"	5"	¾"	61737
30 □	23"	26"	21"	5"	¾"	41799
55 □	23"	27"	34"	5"	¾"	45193
85 □	23"	26"	52"	5"	¾"	45105
100 □△	24"	28"	57"	8"	¾"	60204
110	30"	34"	41"	8"	1¼" & 1¼"	45053
150	30"	33"	58"	8"	1¼" & 1¼"	40648
150	32"	35"	46"	8"	1¼" & 1¼"	45117
200	32"	35"	62"	8"	1¼" & 1¼"	45059
200	38"	42"	47"	8"	1¼" & 1¼"	45061
300	38"	41"	68"	8"	1¼" & 1¼"	40135
400	42"	45"	74"	8"	1¼" & 1¼"	40137
500	48"	51"	75"	8"	1¼" & 1¼"	40274
150 Slim Line △	28"	41"	50"	8"	1¼" & 1¼"	40777
200 Slim Line △	24"	48"	61"	8"	1¼" & 1¼"	41305
200 Slim Line △	31"	46"	48"	8"	1¼" & 1¼"	40780

□ May ship UPS △ Saddle not available for this tank.

Inductor Tanks

Gallon Capacity	Diameter	Overall Height	Fill Opening	Outlet/Drain	Premium Weight Part No. White
15 □	19"	23"	8"	2"	60214
15 □	24"	21"	16"	2"	42064
30 □	24"	28"	16"	2"	42065
35 □	23"	29"	8"	2"	45098
60 □	31"	32"	16"	2"	62205
60	24"	42"	16"	2"	42066
80	32"	37"	16"	2"	47190

□ May ship UPS

Total Drain Tanks

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain	Premium Weight Part No. White
5 square □	11"	18"	11"	8"	1¼"	42321
10 square □	13"	21"	13"	8"	1¼"	42351
12 square □	14"	15"	18"	5"	¾"	60521

□ May ship UPS

Spot Sprayer Tanks

Gallon Capacity	Width	Overall Height	Length	Fill Opening	Outlet/Drain	Premium Weight Part No. White
14 □	14"	15"	31"	5"	—	45115
25 □	18"	18"	36"	5"	—	62080

□ May ship UPS

PLEASE NOTE: Tank availability may vary according to manufacturing location. Please contact Norwesco Customer Service or your Norwesco distributor for specific details. Tank dimensions and capacities may vary slightly and are subject to change without notice.

BOOMINATOR®

BOOMLESS SPRAY NOZZLES

WORLD LEADER IN BOOMLESS SPRAY NOZZLES

BOOMINATOR® ECO SERIES FULL SPRAY BOOMLESS SPRAY NOZZLES

Specifically designed for the A.T.V., tow behind & three point hitch sprayer market.

Boominator® Eco Series Features

- All nozzles made in USA.
- All nozzles feature a multi patented round covered orifice design which improves spray pattern & distribution.
- All nozzles produce a very even full left to right spray pattern from one centrally mounted nozzle.
- No small orifices or slots to get plugged up.
- All nozzles have 1/4" MNPT inlet thread.

Boominator® Eco Series Benefits

- All nozzles have superior wear & chemical resistance.
- Eliminate cumbersome boomarms.
- Reduce manufacturing costs.
- Reduce packaging costs.
- Reduce freight damage.
- Simplify end user final assembly






You CAN TELL It's A BOOMINATOR® NOZZLE ON SIGHT

Boominator's® unique round head shape lets you know it is a genuine Boominator® nozzle. It is also patented and with patents pending. Boominator®.

FULL SPRAY MODELS

MODEL	PSI	GPM	TESTED HEIGHT 24" SPRAY DISTANCE	TESTED HEIGHT 36" SPRAY DISTANCE	MODEL	PSI	GPM	TESTED HEIGHT 24" SPRAY DISTANCE	TESTED HEIGHT 36" SPRAY DISTANCE
1200 PSS	15 PSI	.9 GPM	6 ft	10 ft	1400 PL	20 PSI	2.0 GPM	20 ft	25 ft
	20 PSI	1.0 GPM	6 ft	10 ft		30 PSI	2.4 GPM	20 ft	25 ft
	25 PSI	1.1 GPM	6 ft	10 ft		40 PSI	2.8 GPM	20 ft	25 ft
1200 PS	20 PSI	1.0 GPM	12 ft	14 ft	1870 PL	20 PSI	3.0 GPM	25 ft	30 ft
	30 PSI	1.2 GPM	12 ft	14 ft		30 PSI	3.5 GPM	25 ft	30 ft
	40 PSI	1.4 GPM	12 ft	14 ft		40 PSI	4.3 GPM	25 ft	30 ft
1400 PS	20 PSI	1.7 GPM	12 ft	14 ft	 Technology That Works Made in USA				
	30 PSI	2.0 GPM	12 ft	14 ft					
	40 PSI	2.5 GPM	12 ft	14 ft					

U.S. Patent Numbers D458342, D480125, D473927, & D474255. Other U.S. and Foreign Patents Pending. Revised 10-1-06

BOOMINATOR®

All Full Pattern Spray Nozzles were tested at a height of 36 inches. (Recommended operating height is between 18 & 48 inches.)

SPRAY NOZZLES FULL PATTERN

1870FS	(1/4" MNPT)			SPEED (MPH)											
	SPRAY			2	3	4	5	6	7	8	9	10	11	12	
	PSI	GPM	PATTERN	GALLONS PER ACRE											
	20	3.0	18 ft.	41	28	21	17	14	12	10	9	8	7.5	7	
	30	3.5	18 ft.	48	32	24	19	16	14	12	11	10	9	8	
	40	4.3	18 ft.	59	39	30	24	20	17	15	13	12	11	10	

1870FM	(1/4" MNPT)			SPEED (MPH)											
	SPRAY			2	3	4	5	6	7	8	9	10	11	12	
	PSI	GPM	PATTERN	GALLONS PER ACRE											
	20	3.0	23 ft.	32	22	16	13	10	9	8	7	6.5	6	5	
	30	3.5	23 ft.	38	25	19	15	13	11	9	8	7.5	7	6	
	40	4.3	23 ft.	46	31	23	19	15	13	12	10	9	8	7.5	

1870FL	(1/4" MNPT)			SPEED (MPH)											
	SPRAY			2	3	4	5	6	7	8	9	10	11	12	
	PSI	GPM	PATTERN	GALLONS PER ACRE											
	20	3.0	30 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4	
	30	3.5	30 ft.	29	19	14	12	10	8	7	6	5.5	5	4.5	
	40	4.3	30 ft.	36	25	18	14	12	10	9	8	7	6.5	6	

2650FS	(1/2" MNPT)			SPEED (MPH)														
	SPRAY			2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM	PATTERN	GALLONS PER ACRE														
	20	6.7	16 ft.	104	69	52	41	34.5	30	26	23	21	19	17	16	15	14	
	30	8.0	16 ft.	124	82.5	62	50	41	35	31	27.5	25	22.5	21	19	18	16.5	
	40	10.0	16 ft.	155	103	77	62	51.5	44	39	34	31	28	26	24	22	21	

2650FM	(1/2" MNPT)			SPEED (MPH)														
	SPRAY			2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM	PATTERN	GALLONS PER ACRE														
	20	6.7	23 ft.	72	48	36	29	24	20.5	18	16	14	13	12	11	10	9.5	
	30	8.0	23 ft.	86	57	43	34	29	24.5	21.5	19	17	16	14	13	12	11.5	
	40	10.0	23 ft.	108	72	54	43	36	31	27	24	21.5	19.5	18	16.5	15	14	

2650FL	(1/2" MNPT)			SPEED (MPH)														
	SPRAY			2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM	PATTERN	GALLONS PER ACRE														
	20	6.7	38 ft.	43.5	29	22	17.5	14.5	12.5	11	10	9	8	7	6.5	6	5.5	
	30	8.0	38 ft.	52	35	26	21	17	15	13	11.5	10.5	9.5	9	8	7.5	7	
	40	10.0	38 ft.	65	43	32.5	26	22	18.5	16	14.5	13	12	11	10	9.5	8.5	

Boom X Tender® Spray Nozzles

SPECIFICATIONS

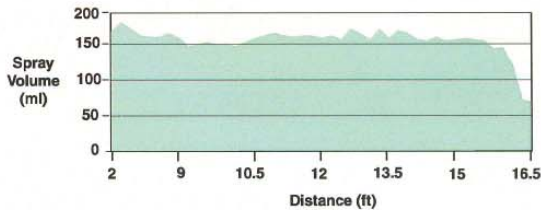
BROADCAST and TURF Applications				Application Rate (GPA) at MPH												US Gal/1000 sq.ft. at MPH				Overall Swath (ft) @ 40PSI
Thread*	XT model	PSI	US GPM	4	5	6	7	8	10	12	14	16	18	20	2	3	4	5		
1/4" MNPT	XT010	30	0.9	9.3	7.4	6.2	5.3	4.6	3.7	3.1	2.7	2.3	2.1	1.9	0.43	0.28	0.21	0.17	12	
		40	1.0	10.3	8.3	6.9	5.9	5.2	4.1	3.4	2.9	2.6	2.3	2.1	0.47	0.32	0.24	0.19		
		50	1.1	11.3	9.1	7.6	6.5	5.7	4.5	3.8	3.2	2.8	2.5	2.3	0.52	0.35	0.26	0.21		
		60	1.2	12.4	9.9	8.3	7.1	6.2	5.0	4.1	3.5	3.1	2.8	2.5	0.57	0.38	0.28	0.23		
1/4" MNPT	XT020 FC-XT020	30	1.7	12.4	9.9	8.3	7.1	6.2	5.0	4.1	3.5	3.1	2.8	2.5	0.57	0.38	0.28	0.23	17	
		40	2.0	14.6	11.6	9.7	8.3	7.3	5.8	4.9	4.2	3.6	3.2	2.9	0.67	0.45	0.33	0.27		
		50	2.2	16.0	12.8	10.7	9.2	8.0	6.4	5.3	4.6	4.0	3.6	3.2	0.74	0.49	0.37	0.29		
		60	2.4	17.5	14.0	11.6	10.0	8.7	7.0	5.8	5.0	4.4	3.9	3.5	0.80	0.53	0.40	0.32		
1/4" MNPT*	XT024 FC-XT024	30	2.1	14.4	11.6	9.6	8.3	7.2	5.8	4.8	4.1	3.6	3.2	2.9	0.66	0.44	0.33	0.27	18	
		40	2.4	16.5	13.2	11.0	9.4	8.3	6.6	5.5	4.7	4.1	3.7	3.3	0.76	0.51	0.38	0.30		
		50	2.7	18.6	14.9	12.4	10.6	9.3	7.4	6.2	5.3	4.6	4.1	3.7	0.85	0.57	0.43	0.34		
		60	2.9	19.9	16.0	13.3	11.4	10.0	8.0	6.6	5.7	5.0	4.4	4.0	0.92	0.61	0.46	0.37		
3/8" MNPT*	XT043 FC-XT043	30	3.7	25	20	17.0	14.5	12.7	10.2	8.5	7.3	6.4	5.7	5.1	1.2	0.78	0.58	0.47	18	
		40	4.3	30	24	19.7	16.9	14.8	11.8	9.9	8.4	7.4	6.6	5.9	1.4	0.90	0.68	0.54		
		50	4.8	33	26	22	18.9	16.5	13.2	11.0	9.4	8.3	7.3	6.6	1.5	1.0	0.76	0.61		
		60	5.3	36	29	24	21	18.2	14.6	12.1	10.4	9.1	8.1	7.3	1.7	1.1	0.84	0.67		
1/2" MNPT	XT080	30	6.9	50	40	33	29	25	20	16.7	14.4	12.6	11.2	10.0	2.3	1.5	1.2	0.92	17	
		40	8.0	58	47	39	33	29	23	19.4	16.6	14.6	12.9	11.6	2.7	1.8	1.3	1.1		
		50	8.9	65	52	43	37	32	26	22	18.5	16.2	14.4	13.0	3.0	2.0	1.5	1.2		
		60	9.8	71	57	48	41	36	29	24	20	17.8	15.9	14.3	3.3	2.2	1.6	1.3		
3/4" MNPT	XT167	30	14.5	100	80	66	57	50	40	33	28	25	22	20	4.6	3.1	2.3	1.8	18	
		40	16.7	115	92	77	66	57	46	38	33	29	26	23	5.3	3.5	2.6	2.1		
		50	18.7	129	103	86	73	64	51	43	37	32	29	26	5.9	3.9	3.0	2.4		
		60	20.5	141	113	94	81	70	56	47	40	35	31	28	6.5	4.3	3.2	2.6		
3/4" MNPT	XT215	30	18.6	115	92	77	66	58	46	38	33	29	26	23	5.3	3.5	2.6	2.1	20	
		40	21.5	133	106	89	76	67	53	44	38	33	30	27	6.1	4.1	3.1	2.4		
		50	24.0	149	119	99	85	74	59	50	42	37	33	30	6.8	4.5	3.4	2.7		
		60	26.3	163	130	108	93	81	65	54	46	41	36	33	7.5	5.0	3.7	3.0		

Note: Application rates are based on overall swath widths listed at 48" height. Refer to operating instructions if using a different swath.
 * Thread sizes applicable to standard models with threaded stainless steel body only.

Common Uses of the Boom X Tender® Spray Nozzles

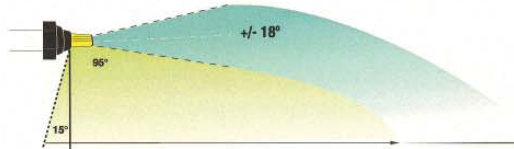


Typical Spray Pattern Produced by XT Series



Adjustable Swath Width

Swath width can be increased or decreased by adjusting the angle of the tip +/- 18°.



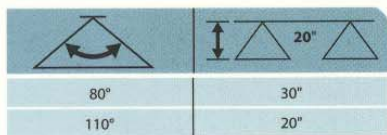
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TeeJet[®]

TECHNOLOGIES

	PSI	XR/XRC	TT	TTJ60	AIXR	AI3070	AITTJ60	AI/AIC	TTI	GPM	GPA \triangle 20°											
											4 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph
015 AI AIC AIXR AI3070 TT TTI XR XRC (100)	20	F	C	—	VC	VC	—	—	UC	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8	1.6
	30	F	M	—	VC	C	—	UC	UC	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2	2.8	2.4	2.1	1.9
	40	F	M	—	C	C	—	XC	UC	0.15	11.1	8.9	7.4	6.4	5.6	5.0	4.5	3.7	3.2	2.8	2.5	2.2
	50	F	M	—	C	M	—	XC	UC	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8	2.5
	60	F	M	—	M	M	—	VC	XC	0.18	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.5	3.8	3.3	3.0	2.7
	70	—	F	—	M	M	—	VC	XC	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3	3.0
	80	—	F	—	M	M	—	VC	XC	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5	3.1
90	—	F	—	M	F	—	C	XC	0.23	17.1	13.7	11.4	9.8	8.5	7.6	6.8	5.7	4.9	4.3	3.8	3.4	
02 AI AIC AIXR TT TTI XR XRC (50)	20	F	C	C	XC	XC	XC	—	UC	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3	2.1
	30	F	M	C	VC	VC	VC	UC	UC	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8	2.5
	40	F	M	C	C	C	VC	XC	UC	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3	3.0
	50	F	M	M	C	C	C	XC	UC	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6	3.3
	60	F	M	M	C	C	C	VC	UC	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0	3.6
	70	—	M	M	C	M	C	VC	XC	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3	3.9
	80	—	M	M	M	M	C	VC	XC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
90	—	F	M	M	M	C	C	XC	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0	4.5	
025 AI AIC AIXR TT TTI XR XRC (50)	20	M	C	VC	XC	XC	XC	—	UC	0.18	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.5	3.8	3.3	3.0	2.7
	30	F	C	C	XC	VC	VC	UC	UC	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6	3.3
	40	F	M	C	VC	C	VC	XC	UC	0.25	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.2	5.3	4.6	4.1	3.7
	50	F	M	C	C	C	C	XC	UC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	60	F	M	C	C	C	C	XC	UC	0.31	23	18.4	15.3	13.2	11.5	10.2	9.2	7.7	6.6	5.8	5.1	4.6
	70	—	M	M	C	C	C	VC	XC	0.33	25	19.6	16.3	14.0	12.3	10.9	9.8	8.2	7.0	6.1	5.4	4.9
	80	—	M	M	C	C	C	VC	XC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
90	—	F	M	C	M	C	VC	XC	0.38	28	23	18.8	16.1	14.1	12.5	11.3	9.4	8.1	7.1	6.3	5.6	
03 AI AIC AITTJ60 AIXR AI3070 TT TTI TTJ60 XR XRC (50)	20	M	VC	VC	XC	XC	UC	—	UC	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	4.5	3.9	3.5	3.1	
	30	F	C	C	XC	XC	XC	UC	UC	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3	3.9
	40	F	C	C	VC	VC	VC	XC	UC	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0	4.5
	50	F	M	C	C	C	VC	XC	UC	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6	5.0
	60	F	M	C	C	C	C	XC	UC	0.37	27	22	18.3	15.7	13.7	12.2	11.0	9.2	7.8	6.9	6.1	5.5
	70	—	M	C	C	C	C	VC	XC	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6	5.9
	80	—	M	M	C	C	C	VC	XC	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9	6.2
90	—	M	M	C	C	C	VC	XC	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4	6.7	
04 AI AIC AITTJ60 AIXR AI3070 TT TTI TTJ60 XR XRC (50)	20	M	VC	VC	XC	UC	UC	—	UC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	30	M	C	C	XC	XC	XC	UC	UC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	40	M	C	C	XC	VC	VC	XC	UC	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6	5.9
	50	F	C	C	VC	VC	VC	XC	UC	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4	6.7
	60	F	C	C	VC	VC	C	XC	UC	0.49	36	29	24	21	18.2	16.2	14.6	12.1	10.4	9.1	8.1	7.3
	70	—	M	C	C	C	C	VC	XC	0.53	39	31	26	22	19.7	17.5	15.7	13.1	11.2	9.8	8.7	7.9
	80	—	M	C	C	C	C	VC	XC	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4	8.5
90	—	M	M	C	C	C	VC	XC	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9	8.9	
05 AI AIC AITTJ60 AIXR AI3070 TT TTI TTJ60 XR XRC (50)	20	M	VC	VC	XC	UC	UC	—	UC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	30	M	VC	C	XC	XC	XC	UC	UC	0.43	32	26	21	18.2	16.0	14.2	12.8	10.6	9.1	8.0	7.1	6.4
	40	M	C	C	XC	VC	VC	XC	UC	0.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3	7.4
	50	M	C	C	VC	VC	VC	XC	UC	0.56	42	33	28	24	21	18.5	16.6	13.9	11.9	10.4	9.2	8.3
	60	F	C	C	C	VC	VC	XC	UC	0.61	45	36	30	26	23	20	18.1	15.1	12.9	11.3	10.1	9.1
	70	—	C	C	C	C	C	VC	XC	0.66	49	39	33	28	25	22	19.6	16.3	14.0	12.3	10.9	9.8
	80	—	M	C	C	C	C	VC	XC	0.71	53	42	35	30	26	23	21	17.6	15.1	13.2	11.7	10.5
90	—	M	C	C	C	C	VC	XC	0.75	56	45	37	32	28	25	22	18.6	15.9	13.9	12.4	11.1	
06 AI AIC AITTJ60 AIXR TT TTI TTJ60 XR XRC (50)	20	C	XC	XC	XC	—	UC	—	UC	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9	6.2
	30	M	VC	VC	XC	—	XC	UC	UC	0.52	39	31	26	22	19.3	17.2	15.4	12.9	11.0	9.7	8.6	7.7
	40	M	C	C	XC	—	XC	UC	UC	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9	8.9
	50	M	C	C	VC	—	VC	XC	UC	0.67	50	40	33	28	25	22	19.9	16.6	14.2	12.4	11.1	9.9
	60	M	C	C	C	VC	—	VC	XC	0.73	54	43	36	31	27	24	22	18.1	15.5	13.6	12.0	10.8
	70	—	C	C	C	VC	—	C	XC	0.79	59	47	39	34	29	26	23	19.6	16.8	14.7	13.0	11.7
	80	—	C	C	C	C	—	C	VC	0.85	63	50	42	36	32	28	25	21	18.0	15.8	14.0	12.6
90	—	M	C	C	C	—	C	VC	0.90	67	53	45	38	33	30	27	22	19.1	16.7	14.9	13.4	

- XF ●
- VF ●
- F ●
- M ●
- C ●
- VC ●
- XC ○
- UC ●



LI-TJ143
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Calibrate Your Sprayer For Results & Economy

If you spray pastures yourself, taking a little time to calibrate your equipment before you spray can pay big dividends. And it's not difficult.

Calibration is the only way to assure the result you want. You avoid reduced control from under application and the waste and extra expense of over-application.

Calibrate your tractor and sprayer together. Per-acre output from the same sprayer will vary greatly with different tractors, ground speeds and engine speeds. Refer to your sprayer's owner's manual for sprayer set-up and calibration procedure. Fast, easy methods for calibrating both boom and boomless sprayers also are included here.

Besides your tractor and sprayer, you'll need a stopwatch (or watch with a second hand), a measuring tape, two stakes or wire flags and a container marked in ounces for boom sprayers or pints for boomless sprayers. For boomless sprayers, you'll also need a trash bag to help collect the spray.

On boom sprayers, be sure to check all nozzles. Nozzles can clog and create non-uniform patterns. They also can wear and will vary in output. Flow rate of all nozzles should be within 10 percent of one another. Clean or replace those that aren't.

Finally, if you must use the same spraying equipment on other crops, be sure to follow the proper cleaning procedure. Get a copy of the Dow AgroSciences bulletin, *Herbicide Sprayer Cleaning Instructions*, from your dealer or Dow AgroSciences Range & Pasture Specialist. Or get it on line at our web site, RangeAndPasture.com. The direct address to our literature is <http://www.dowagro.com/range/resource/literature.htm>.

Boom Sprayer Calibration¹

1. Determine nozzle spacing.
2. Refer to the following chart to determine calibration course:

Nozzle spacing	Length of calibration course ¹
15"	272'
18"	227'
20"	204'
22"	186'
24"	170'

¹To determine calibration course for a nozzle spacing not listed, divide 340 by the spacing expressed in feet. Example: Calibration distance for 19-inch nozzle spacing = 340 divided by 19/12 = 215 feet.

3. Measure and stake off the appropriate calibration course based on nozzle spacing. The course should be on the same type of ground as that to be sprayed. (Speeds may be faster on roads than on sod, changing the application rate.)
4. Drive the course in the gear and rpm you will use when actually spraying. Record the time in seconds. Do this twice and average the time.
5. Park the tractor and maintain the same rpm.
6. Turn on the sprayer and catch the water from one nozzle for exactly the same number of seconds that it took to drive the calibration course.
7. Ounces caught = gallons per acre.
8. Check all nozzles. Flow rate should not vary more than 10% among all nozzles. Clean or replace any nozzles that do not fall into this range.

¹Source: Texas Cooperative Extension



Toll-Free: 1-866-277-7297

Boomless Sprayer Calibration²

1. Measure effective swath width.
2. Refer to the following chart to determine calibration course:

Swath width	Length of calibration course ¹
35'	157'
40'	136'
45'	121'
50'	109'

¹To determine the length of calibration course for a swath width not listed, divide 5460 square feet (1/8 acre) by the swath width in feet. Example: Calibration distance for 32-foot swath width = 5460 divided by 32 = 171'.

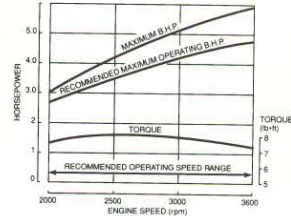
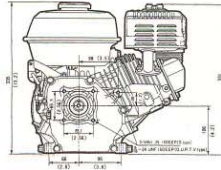
3. Drive the course in the gear and rpm you will use when actually spraying. Record the time in seconds. Do this twice and average the time.
4. Park the tractor and maintain the same rpm.
5. Turn on the sprayer and use a trash bag and bucket to catch the water for exactly the same number of seconds required to drive the calibration course.
6. Pints caught = gallons per acre.

²Source: Texas Cooperative Extension



GX160

A 5.5HP OHV horizontal-shaft engine with electronic ignition and Oil Alert. Usage includes powering air compressors, generators, pumps, pressure washers, reel-type lawn mowers, cement trowels, and construction equipment.

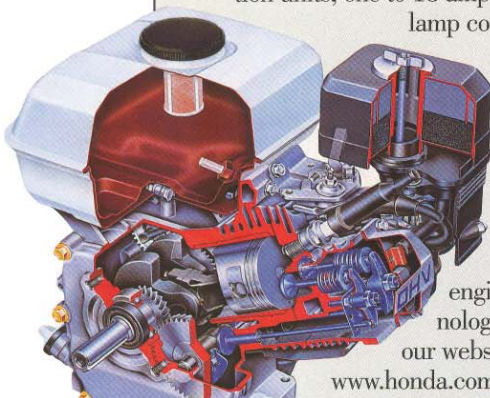


GX Series Engines

Honda GX Series Engines have long been recognized as the industry leader in providing reliable, easy-starting and fuel efficient small engines. You'll find Honda GX Series overhead valve engines on a wide variety of construction, maintenance and premium power equipment. The rental industry, where power equipment is subjected to the ultimate test of durability, relies heavily on Honda OHV engines to ensure customer satisfaction and a minimal level of maintenance and repair.



Quality and performance are standard with Honda GX Series engines. From cast iron cylinder sleeves to Automatic Decompression, Honda offers a variety of power solutions to meet your specific application. Choose from over 60 standard engine variations in the 2.5 to 13 horsepower range. A variety of features are available, depending on the specific model* and application, including four types of air filtration systems and Oil Alert® which warns the user before oil reaches an unsafe operating level. Other options include 2-to-1 and 6-to-1 reduction units, one to 18 amp charging,



lamp coils and shaft variations to suit every standard application. For the most current information on Honda engine technologies, visit our website at www.honda.com.

Environmental responsibility has been an integral part of our product development philosophy years before emission levels were established. In fact, with minor modifications, the same GX Series engine design introduced in 1983 meets today's EPA and CARB emission level standards. Honda's advanced engine technology offers a number of distinct advantages including fuel savings, lower emissions and standardized replacement parts readily available through your local Honda Engine dealer.

Prove it to yourself. Next time you visit a rental center, see a landscape truck or pass by a construction site, you'll probably see a Honda GX engine-powered piece of equipment. Stop and ask them what they think of the Honda engine. Chances are they'll tell you they wouldn't use anything else. Sure, you can find a less expensive engine, but you won't find a more reliable one.

**Honda —
Power With a Clear Advantage.**





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