

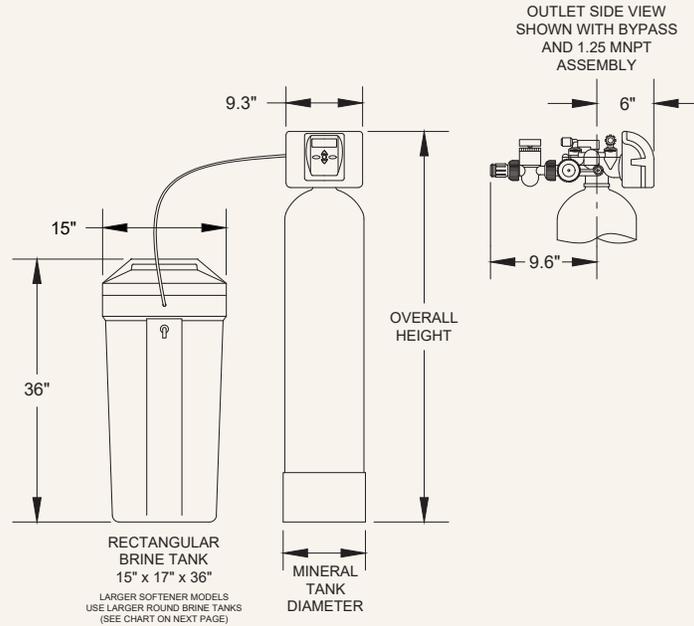


# LANCASTER

## WATER TREATMENT

DIAMOND LX125 - ESTATE SOFTENERS

### X-FACTOR SERIES LX125 ESTATE SOFTENERS (300B-500B)



LX125 PROGRAM CYCLES <sup>1</sup>	WATER AVAILABLE TO SERVICE DURING REGENERATION	ESTATE SOFTENER					
		7-LX125-300B		7-LX125-400B		7-LX125-500B	
Model Number		Minutes	Gallons <sup>2</sup>	Minutes	Gallons <sup>2</sup>	Minutes	Gallons <sup>2</sup>
1st: Fill - (Programmed in LBS salt)	Treated Water	16.00	8.00	21.33	10.67	26.67	13.33
		24.0 LBS		32.0 LBS		40.0 LBS	
2nd: Softening (Minutes)	Treated Water	240	0	240	0	240	0
3rd: Backwash (Minutes)	Untreated Water	10	42	10	65	10	75
4th: Regenerant Draw DN & Slow Rinse (Minutes)	Untreated Water	50	36	50	55	50	67.5
5th: Backwash (Minutes)	Untreated Water	10	42	10	65	10	75
6th: Rinse (Minutes)	Untreated Water	5	21	5	32.5	5	37.5
7th: End	-	-	-	-	-	-	-
DLFC - Drain Line Flow Control GPM)	-	4.2		6.5		7.5	
Total Gallons to Drain <sup>2</sup>	-	149.0		228.2		268.3	
Total Regeneration (Minutes)	-	331.0		336.3		341.7	
Total Time Untreated Water is Available to Service During Regeneration (Minutes)	-	75.0		75.0		75.0	

<sup>1</sup> Downflow Regenerant, Prefill Factory Program Settings

<sup>2</sup> Gallons to Drain Based on 50 PSI Inlet Pressure.



## X-FACTOR SERIES LX125 ESTATE SOFTENERS (300B-500B)

LX125 SPECIFICATIONS		ESTATE SOFTENER		
		7-LX125-300B	7-LX125-400B	7-LX125-500B
Model Number		7-LX125-300B	7-LX125-400B	7-LX125-500B
Inlet/Outlet Fitting Options (Inches) <sup>1</sup>		0.75 - 1.0 - 1.25 <sup>1</sup> - 1.5	0.75 - 1.0 - 1.25 <sup>1</sup> - 1.5	0.75 - 1.0 - 1.25 <sup>1</sup> - 1.5
Bypass Included		Yes	Yes	Yes
Drain Fit. Elb. NPT or OD Poly Tube Size (Inches)		3/4 NPT or 5/8 Tube	3/4 NPT	3/4 NPT
Water Pressure Range (PSI)		20 - 100	20 - 100	20 - 100
Water Operating Temperature Range (°F)		35 - 100	35 - 100	35 - 100
Influent Maximum Water Hardness (GPG)		100	100	100
Influent Maximum Ferrous Iron (PPM) <sup>2</sup>		0.5	0.5	0.5
Plug-In Power Adapter Input (VAC - Hz - A)		120V AC - 60Hz - 0.35A	120V AC - 60Hz - 0.35A	120V AC - 60Hz - 0.35A
Plug-In Power Adapter Output (VDC - A)		15V DC - 0.5A	15V DC - 0.5A	15V DC - 0.5A
Plug-In Power Adapter Cord Length		15 FT	15 FT	15 FT
PC Board Relay Terminal Block DC Output (V)		12V DC	12V DC	12V DC
3 Volt Lithium Coin Cell Battery (Type)		2032	2032	2032
Service Flow Rate at 15 PSI Pressure Drop (GPM) <sup>3</sup>		24	25	27
Overall Height (Inches)		72.7	72.7	75.3
Mineral Tank Size: Diameter x Height (Inches)		14 x 65	16 x 65	18 x 65
Bottom Distributor Type		Plate	Plate	Hub & Laterals
#20 Flint Gravel Support Bed (LBS)		N/A	N/A	50 LBS
Top Basket Distributor		Yes	Yes	Yes
Amount of Resin (Cubic Feet)		3.0	4.0	5.0
Brine Tank Size (Inches)		18 D x 40 H	24 D x 50 H	24 D x 50 H
Brine Tank Capacity (LBS salt)		447	900	900
Drain Line Flow Control (GPM)		4.2	6.5	7.5
Brine Line (Re-Fill) Flow Control (GPM)		0.5	0.5	0.5
Injector (Color)		IH - Green	II - Orange	IJ - Light Blue
Grains Capacity (Grains @ LBS salt)	High	96,000 @ 45.0	128,000 @ 60	160,000 @ 75.0
	Medium <sup>5</sup>	72,000 @ 24.0	96,000 @ 32	120,000 @ 40.0
	Low	51,000 @ 13.5	68,000 @ 18	85,000 @ 22.5
Water to Drain at 50 PSI Inlet Pressure (Gallons)	High	156.0	237.5	280.0
	Medium <sup>5</sup>	149.0	228.2	268.3
	Low	145.5	223.5	262.5

<sup>1</sup>1.25 MNPT Standard - Options Available

<sup>2</sup>Ferrous iron ("clear-water iron"): Water comes out of the faucet clear, but turns red or brown after standing. Recommend HIGH grains capacity program settings; salt grid may be required - Consult Factory

<sup>3</sup>Flow rates in the table may exceed resin manufacturer's recommended maximum flow rates. Selecting a system flow rate by pressure drop alone does not guarantee that the system will provide softened water.

<sup>4</sup>See Diagram

<sup>5</sup>Factory Program Setting