FAST LX-Series Reference Data - English Units (inches, lb, hp, gpd) Scienco/FAST, Bio-Microbics, Inc. www.sciencofast.com						
Model Number - all except MEPC	L-1X	L-2X	L-3X	L-4X	L-5X	L-6X
Model Number - MEPC units only	L-1XM	L-2XM	L-3XM	L-4XM	L-5XM	L-6XM
Rated capacity persons						
blackwater only	6	8	12	16	14	28
above plus showers and hand sinks	5	6	9	12	11	21
above plus dishwashing and laundry	2	3	5	6	6	11
above plus ground food waste	2	2	3	5	4	8
Rated Capacity gpd	130	190	250	380	400	780
Recommended max gpd	110	160	230	320	280	570
Number of Media Tanks	1	1	2	2	1	2
Overall Dimensions - in						
Media Tank (s)						
Length	39	42	38	43	44	44
Width	28	32	28	32	36	36
Height	43	45	45	49	67	70
Wet Well (Contact Tank)						
Length	26	26	26	26	26	38
Width	26	26	26	26	26	37
Height	39	39	39	39	39	51
Recommended Clearances for Access (as applicable)						
Clear height required above deck	69	72	72	75	90	93
Between tank and bulkhead	6	6	6	6	6	6
For piping and valves	30	30	30	30	30	30
Estimated Weights (lb.)						
Shipping	600	620	890	980	920	1,500
Operating	1,200	1,300	1,800	2,200	2,100	3,900
Pipe Sizes - in						
Discharge Pump	1	1	1	1	1	1
Sewage Inlet	4	4	4	4	4	4
Vent	2	2	3	3	2 1/2	3
Connected Motor Power						
Discharge Pump	1	1	1	1	1	1
Turbine blower	1/2	1/2	3/4	1 1/2	1 1/2	1 1/2
Pump TDH Available at 60Hz ft	48	45	45	45	45	45

Notes
1. Rated capacities shown are for units certified by USCG under 33CFR159 and MEPC.227(64) for inspected vessels.
2. For EPA secondary treatment, EPA VGP 2013 or EPA VIDA reduce rated capacities by 15%.
3. Rated capacities shown are for persons working and living aboard.
4. For persons working but not living aboard, count each as one-half person.
5. L-1X and L-3X media tanks can be installed through a 28" clear opening.
6. Reference data only, not for construction, subject to change without notice.

FAST LX-Series Reference Data - Metric Units (mm, kg, kw, m3/d)						
Scienco/FAST, Bio-Microbics, Inc. www.sciencofast.com						
Model Number - all except MEPC	**L-1X**	**L-2X**	**L-3X**	**L-4X**	**L-5X**	**L-6X**
Model Number - MEPC units only	**L-1XM**	**L-2XM**	**L-3XM**	**L-4XM**	**L-5XM**	**L-6XM**
Rated capacity persons						
blackwater only	6	8	12	16	14	28
above plus showers and hand sinks	5	6	9	12	11	21
above plus dishwashing and laundry	2	3	5	6	6	11
above plus ground food waste	2	2	3	5	4	8
Rated Capacity m3/d	0.5	0.7	0.9	1.4	1.5	3.0
Recommended max m3/d	0.4	0.6	0.9	1.2	1.1	2.2
Number of Media Tanks	1	1	2	2	1	2
Overall Dimensions - in						
Media Tank (s)						
Length	1,000	1,075	975	1,100	1,125	1,125
Width	700	825	700	825	925	925
Height	1,100	1,150	1,150	1,250	1,700	1,775
Wet Well (Contact Tank)						
Length	650	650	650	650	650	975
Width	650	650	650	650	650	950
Height	1,000	1,000	1,000	1,000	1,000	1,300
Recommended Clearances for Access (as applicable)						
Clear height required above deck	1,750	1,825	1,825	1,900	2,275	2,350
Between tank and bulkhead	150	150	150	150	150	150
For piping and valves	750	750	750	750	750	750
Estimated Weights						
Shipping	270	280	400	440	420	680
Operating	520	600	820	990	950	1,800
Pipe Sizes						
Sewage Inlet	25	25	25	25	25	25
Discharge Pump	100	100	100	100	100	100
Vent	50	50	75	75	75	75
Connected Motor Power						
Discharge Pump	0.75	0.75	0.75	0.75	0.75	0.75
Turbine Blower	0.38	0.38	0.56	1.13	1.13	1.13
Pump TDH Available at the unit 50Hz - m	10	10	10	10	10	10

Notes

1. Rated capacities shown are for units certified by USCG under 33CFR159 and MEPC.227(64) for inspected vessels.
2. For EPA secondary treatment, EPA VGP 2013 or EPA VIDA reduce rated capacities by 15%.
3. Rated capacities shown are for persons working and living aboard.
4. For persons working but not living aboard, count each as one-half person.
5. L-1X and L-3X media tanks can be installed through a 711 mm clear opening.
6. Reference data only, not for construction, subject to change without notice.