

Unit Size (HP)	RPM	Zone of Complete Mix Diameter ( $Z_{CM}$ , ft)	Nominal Operating Depth (ft)	Absolute Minimum Operating Depth (ft)
1	1200	30	7	3.0
2	1200	38	8	3.0
3	1200	45	9	4.0
5	1200	55	10	4.0
7.5	1200	60	12	4.0
10	900	65	14	4.0
15	900	75	15	4.0
20	900	80	18	4.5
25	900	85	20	4.5
30	900	90	21	5.0
40	900	105	21	5.0
50	900	115	22	6.0
60	900	120	24	6.0
75	900	130	25	6.0

*Note: This figure gives typical performance rates as applied to operational systems, and they cannot be guaranteed on a random, non-steady basis.*

*Nominal Operating Depth = Normal operating depth in which the ZCM holds true.*

*ZCM = Zone of complete mix (assumes conventional activated sludge mixed liquor solids).*

*Note: This chart is intended for approximation purposes only.*

*Requirements are dependent on basin geometry, etc., and Aqua-Aerobic Systems should be consulted for specific applications.*