

## Aqua-Jet® Aerator Performance Information

Unit Size (HP)	RPM	Z <sub>CM</sub> Dia. (ft)	D (ft)	Z <sub>OD</sub> Dia. (ft)	Impingement Dia. (ft)
1	1800	20	6	65	6.5
2	1800	28		90	7.0
3	1800	40		145	14
*0.9	1200	27		87	
5	1800	45		150	15
*1.5	1200	29		97	
7.5	1800	50		160	18
*2.2	1200	32		104	
10	1800	51		172	
*3.0	1200	33		92	
15	1800	62	10	200	20
*4.4	1200	39		129	
20	1200	72		230	20
*8.4	900	46		149	
25	1200	80		255	24
*10.5	900	52		165	
30	1200	88		280	24
*12.7	900	59		181	
40	1200	102		325	26
*17.0	900	68		216	
50	1200	105	12	330	26
*21.0	900	70		220	
60	1200	115		350	27
*25.0	900	76		233	
75	1200	130		380	30
*31.5	900	86		253	
100	900	135		395	36
*51.0	720	96		280	
125	900	150		440	38
150	900	165		485	40

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

D = Normal operating depth in which the ZCM and ZOD hold true.

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

ZOD = Zone of complete oxygen dispersion.

Impingement = Diameter of aerator spray pattern.

\* = Power at low speed of dual speed Aqua-Jet®.

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.