

THE SURFACE AERATORS

MODEL	POWER	FAN SPEED	EFFECTIVE DEPT		O2 EFFICIENCY
	kW		min. m	max. m.	kg/h
SAC-01	1,5	95	1,2	2,0	2,7
SAC-02	2,2	85	1,2	2,0	3,9
SAC-03	3	95	1,2	2,0	5,4
SAC-04	4	110	1,2	2,0	7,2
SAC-05	5,5	90	1,2	2,5	9,9
SAC-06	7,5	100	1,2	2,5	13,5
SAC-07	11	95	1,5	2,5	19,8
SAC-08	15	85	1,5	3,0	27,2
SAC-09	18,5	70	2,0	3,0	33,3
SAC-10	22	60	2,0	3,5	39,6
SAC-11	30	65	2,0	3,5	54,2
SAC-12	37	45	2,0	4,0	66,6
SAC-13	45	40	2,0	4,0	81,2
SAC-14	55	45	2,0	4,0	99,2
SAC-15	75	35	2,0	4,5	135,2
SAC-16	90	30	3,0	6,0	162,2
SAC-17	110	25	3,0	6,0	198,2
SAC-18	132	27	3,0	6,0	237,2

The surface aerators can be used everywhere that can be needed aeration and mixing as oxidation basins, aerobic sludge stabilizations, lagoons, lakes and rivers.

The productivity in the biological processes provide to the selecting quality of aerators.

Oxygen efficiency is max. 2 kg O₂/ kw-h in standart conditions and into the clean water. Alpha factor must be selected between 0.60-0.90 under field conditions also.

The ratio (B/H) of between the side of basin (B)-water depth (H) must be between 2/1 - 4/1.

The main pieces of these surface aerators are happened motor, reducer, shaft and fan.

The reducer's service factor that is selected between 2-3 according to continuous working conditions.

These can be manufactured in fixed or float types.

Reducers can be standart vertical type or horizontal type with pressure greasing.

The material of shaft and fan can be "CS with epoxy coating" or "SS as AISI 304 / AISI 316".

TYPE - 1 : Vertical type

TYPE - 2 : Horizontal type with pressure greasing

TYPE - 3 : Float type

