



Aeration Unit KD36



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Aeration unit DK 36 is a newly developed solution for a complete aeration unit enabling quick and easy installation.

Design

The standard bridge construction is made in galvanized steel, complete with safety rail in a grid design. The bridge is available with either full span or with feet.

The rail can be provided with elbows and baseboards.

The rotor is mounted in steel consoles, at gear and end bearing, respectively.

The gangway is provided with slip-resistant aluminium profiles protecting the unit against splashing, and the bridge can be provided with the following: guide plates, sound and aerosol skirt, aerosol covers, ice protector, safety bars/wire.



The alu-cover is provided with two access doors for servicing gears and end bearing. Sound shell and switch for motor is available, just as bridge lighting, etc.

If additional stirring is requested, for example a Landia stirrer, this can also be provided.

For further information on rotors, please refer to rotor brochure maxirotor DK 31 or midirotor DK 32.

Bridge construction and accessories are also available in corrosion and acid resistant steel at your request.



Capacity

For oxygen performance, please refer to charts.

Maxi- and midirotor.

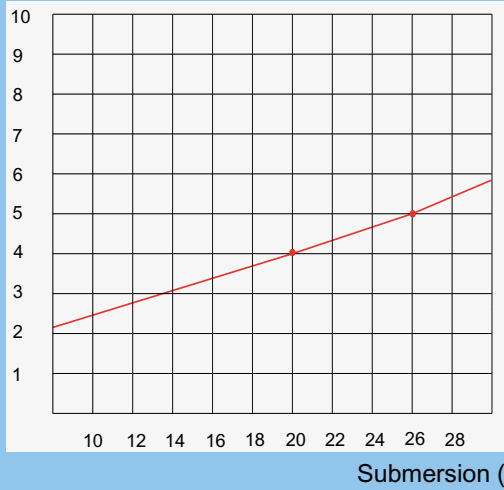
Advantages

- Simple and very quick installation, can be used where there is a need to increase existing aeration capacity
- Can be installed on point foundations in case of membrane plants.
- Can be mounted with water in the tanks.

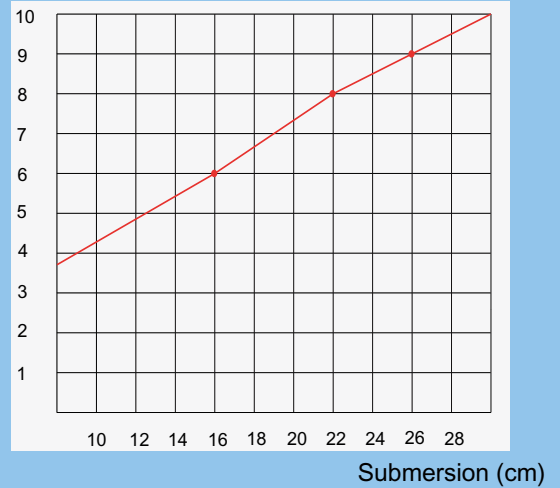


----- Maxirotor KD 31 -----

Power consumption (kW/m rotor)



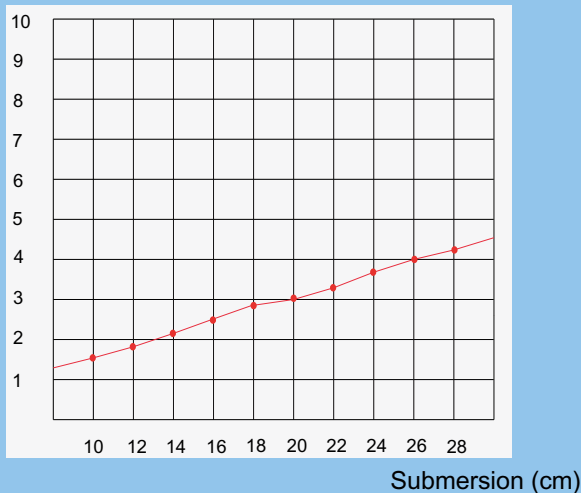
Oxygen output (kg O₂/m rotor/hour)



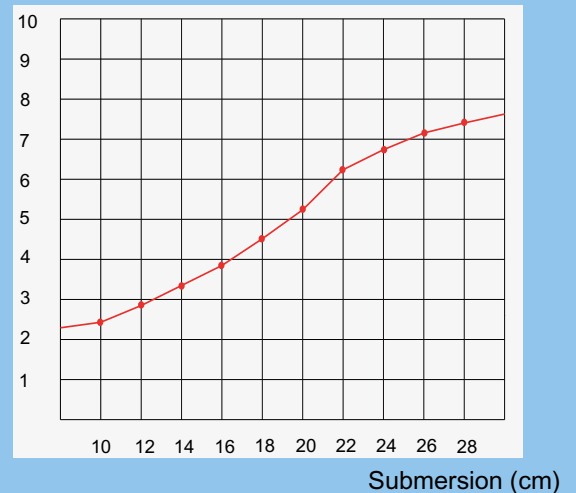
Type	Effective length	Number of blades	Power (kW)	Torque (Nm)	Rotor (rpm)
KD 31-4500 S	4,5 m	360	22	2877	73
KD 31-4500 D	4,5 m	360	16 / 22	2093 / 2877	48 / 73
KD 31-6000 S	6,0 m	480	30	3925	73
KD 31-6000 D	6,0 m	480	20 / 30	3979 / 3925	48 / 73
KD 31-7500 S	7,5 m	600	36	4709	73
KD 31-7500 D	7,5 m	600	27 / 36	4775 / 4709	48 / 73
KD 31-9000 S	9,0 m	720	45 (55)	5887	73
KD 31-9000 D	9,0 m	720	30 / 45	5584 / 5887	49 / 73

----- Midirotor KD 32 -----

Power consumption (kW/m rotor)



Oxygen output (kg O₂/m rotor/hour)



Type	Effective length	Number of blades	Power (kW)	Torque (Nm)	Rotor (rpm)
KD 32 – 2000 S	2,0 m	160	11	1420	74
KD 32 – 2000 D	2,0 m	160	7,5 / 12,5	1432 / 1614	50 / 74
KD 32 – 3000 S	3,0 m	240	15	1936	74
KD 32 – 3000 D	3,0 m	240	10,5 / 16	2006 / 2065	50 / 74
KD 32 – 4000 S	4,0 m	320	22	2839	74
KD 32 – 4000 D	4,0 m	320	16 / 23	3056 / 2968	50 / 74



The wastewater treatment plant in Roskilde

