



ABL ROOTS BLOWERS Pvt. Ltd.

AQUA BLOWERS FOR AQUACULTURE

ABL has introduced its new range of AQUA Series Twin Lobe Rotary Air Blowers (Roots Blowers) to meet the growing demand for aquaculture requirements which essentially demand 100% Oil Free Air. These blowers are totally dry machines where lubricating chambers are physically isolated from the main gas chamber ensuring 100 % Oil Free Air delivery. They deliver, practically, a constant flow rate irrespective of back pressures thereby maintaining dissolved oxygen levels.

100% OIL FREE DELIVERY



MOBEL	CAPACITY	PRESSUE (mmwc)	RPM	HP	LINE SIZE	ORIENTATION
47AQUA	250	2000	1200	5HP	80	VF
59AQUA	550	2000	1200	7.5HP/10HP	100	VF
615AQUA	1050	2000	1200	12.5HP	150	VF

Conversion: 1m³/hr = 0.588 CFM; 1000 MMWG = 1.42 PSIG = 0.1 Kg/cm² = 100 Mbar
Avg. Line Friction losses of 0.5 PSI per 100 ft length of Pipe.
Estimated rise of discharge air temperature may be taken as 12°C per 0.1 Kg/cm² pressure.

ABL DESIGN & CONSTRUCTION FEATURES

- ⊕ 100% oil free air delivery
- ⊕ Energy Efficient Blowers
- ⊕ Low Noise Level
- ⊕ Factory engineered, Factory guaranteed, superior product
- ⊕ Alloy steel hardened and ground timing gears, oil splash lubricated
- ⊕ Anti-friction bearings
- ⊕ Rigid one piece CI casing & end plates
- ⊕ Horizontal & Vertical configurations available
- ⊕ Easy rotor timing setting, Easy to operate and maintain
- ⊕ Extended shaft design for cool running
- ⊕ Dynamically balanced rotor shaft assembly (Grade 6.3 ISO 1940-1986)
- ⊕ Large inlet & outlet connections for minimal loss and maximum flow
- ⊕ Alloy steel toughened shafts ground to close tolerances
- ⊕ Performance testing as per standard test procedure STP-01 based on BS 1571-2:1975 and ISO 1217:2009
- ⊕ All blowers are manufactured on state of the art, imported CNC machines, machined to close tolerances with high degree of accuracy on profile machining, ensuring high volumetric efficiency.
- ⊕ All major components are interchangeable making ABL the first and only manufacturer to attain the same



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