



POSITIVE DISPLACEMENT THREE LOBE ROTARY BLOWER



Advantages

- Low pressure pulsation
- Less noise & vibration
- High volumetric efficiency
- Low discharge temperature
- Low power consumption
- 100% oil free air/gas
- Low maintenance and low spares inventory

Application

- Cement Industry
- Sugar Industry
- Fertilizer Plants
- Chemical Plants
- Iron & Steel Plant
- Textile & Paper Mill
- Water Effluent treatment Plants

The AMCL- Three Lobe Positive Displacement Blower (Root type) have been developed under Technical Collaboration with world leader UNOZAWA Gumi Iron Works Ltd. Japan, incorporating AMCL's extensive experience and technical expertise. These ARJ Series high performance Blowers employ three lobe rotor design which reduces noise and vibration level. This World Class mechanical marvel is indigenously manufactured at AMCL's state-of-the-art plant at Butibori near Nagpur. These Blowers are working in different industries in India and abroad to utmost satisfaction of our customers due to excellent product performance and our after sales parts and service support.

Yesterday's Pioneer.... Today's Leader

AMCL MACHINERY LIMITED
(HNGIL Group of Companies)



AMCL Machinery Limited

AMCL – A Profit Optimizer and Solution Provider



Works at Nagpur

Blower Features

AMCL Three Lobe Positive Displacement Blowers

Features

Three lobe rotor design

Heat- treated castings of graded cast irons

Dynamically balanced rotors

Alloy steel hardened, ground and crowned timing gears.
High quality, amply designed anti- friction bearings
Intermediate chamber side covers and labyrinth shaft seal
Optimum internal clearances

Bottom Horizontal discharge design with lube oil cooling facility.

Engineered, high quality accessories

Benefits

Leads to lower range of pressure pulsations at discharge. Results in smoother air discharge
Low levels of noise < 90-100 dbA, vibration less than 80 Microns
Lower shock loading of bearings and timing gears

Improves grain structure and ensures dimensional stability; result in higher reliability and lower maintenance

Lower to noise, vibration levels and reduced bearings loads.
Results in smoother operation, low maintenance, higher reliability.

Leads to lower gear running noise, low wear & longer life of gears.

Long life of bearings- virtually maintenance free and smooth operation.

Prevent oil leakage into main chamber and ensure 100% oil free air.

Reduce air slippage giving high volumetric and energy efficiency and lower air discharge temperature (generally less than 100 Deg C.)

Compact installation, maintains low lube oil temperature which minimizes wear of gears and bearings.

Reliable, trouble free operation with guaranteed performance.

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In view of continuous product development, the information given here is likely to change without prior notice.

AMCL MACHINERY LIMITED

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