

## MAXIMA Series

Cabinet enclosed, fixed speed  
40 HP thru 200 HP :  
243 through 1,206 SCFM

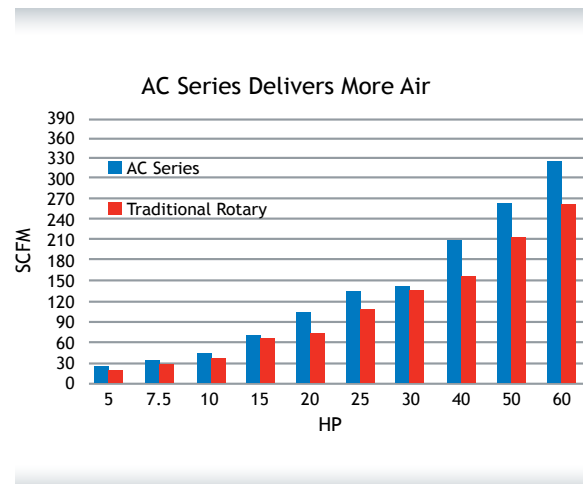
MAXIMA Series offers extraordinary performance and energy efficiency for high levels of demand. Featuring industry-leading performance, quiet {as low as 65 dB(A)} operation, electronic controllers, energy saving soft-start Wye-Delta motor starters, TEFC motors, air-cooled aftercoolers and optional integrated refrigerated air dryers.

Generates a volume of compressed air that rivals two-stage compressors. The single stage Maxima rotary vane compressor lives up to its name by delivering maximum performance from every kW of input energy. With specific power ratings as low as 16.19kW/100SCFM, we invite you to compare MAXIMA's energy stingy performance against any other compressor.



## AC Series

Cabinet enclosed, fixed speed  
5 HP thru 60 HP :  
15 thru 349 SCFM



AC Series offers you the next level of sophistication. Featuring industry leading CFM performance, quiet {as low as 67 dB(A)} operation, electronic controllers, energy saving soft-start Wye-Delta motor starters, TEFC motors, air-cooled aftercoolers and optional integrated refrigerated air dryers.



## WE BUILD A BETTER COMPRESSOR

Enea Mattei believed there was a better and more energy efficient way to generate compressed air. So he focused his engineering on the inherent advantages of rotary vane technology.

- a) Superior reliability,
- b) ~90% volumetric efficiency
- c) More air with less energy

In effect, Mattei redefined the process of compressing air in inventing his first rotary vane air compressor over 50 years ago.

*Get your last air compressor first.*  
GET a Ma TTE i.

## UNRIVALED PERFORMANCE & DURABILITY

Mattei leverages advancements in technology and materials to offer the best value in premium quality air compressors found anywhere on the planet. Imagine "bearingless" Airends that last up to 100,000 hours (2-3 times the life of rotary screws) without needing an overhaul, super quiet operation, and the most energy stingy designs in the industry. Mattei is in a class of its own. Protect productivity, increase profitability, and lessen your carbon footprint.



Company with Quality Management System Certified by Dnv  
= ISO 9001 : 2001



GET a Ma TTE i.

MATTEI.



*Get your last  
air compressor first.*

## WHY MATTEI® IS YOUR BEST CHOICE.

Mattei air compressors are designed to give constant top performance 24/7. Extremely rugged and reliable, each is designed for outstanding durability and value.

With a Mattei you get:

- Unaltered performance through time
- No wear of the compressor's moving mechanical parts
- Energy saving operation
- Pulse-free air
- Compact design
- Low oil volume and consumption
- Direct coupled compressor and motor
- Slow rotational speed
- Low maintenance
- Quiet operation



[www.matteicomp.com](http://www.matteicomp.com)

## ERC Series

Open-frame, fixed speed  
2 HP thru 100 HP :  
5.1 thru 460 SCFM

Economical, simple controls, low maintenance, quiet and the same extraordinary reliability & performance you expect from all Mattei air compressors.



## MATTEI Stacked Systems™

Save you big on energy costs and uses half the floor space. An ideal alternative to VSD controlled compressors like our OPTIMA Series for shops that experience large swings in air demand. Available from 10 thru 40 HP, offers flexibility, back-up air supply and energy savings.



## OPTIMA Series

Cabinet enclosed, VSD  
11kW thru 200kW :  
42 thru 1,251 SCFM



OPTIMA Series offers demand-matching energy savings. Featuring outstanding performance, quiet {as low as 65 dB(A)} operation, electronic controllers, variable speed drive, TEFC motors, air-cooled aftercoolers and optional integrated refrigerated air dryers.

### STANDARD

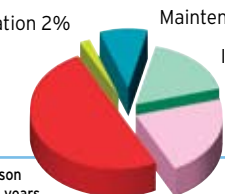
Investment 12%  
Maintenance 9%  
Installation 2%



Energy  
consumption  
77%

### OPTIMA

Energy  
consumption  
42%

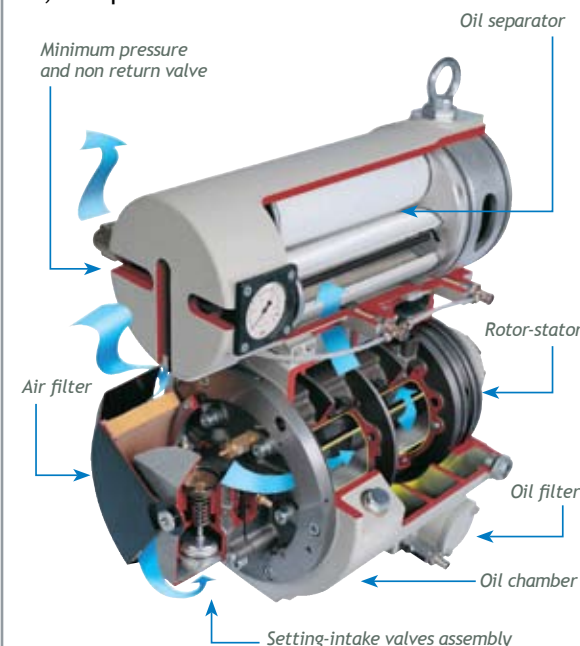


Savings on energy  
consumption 35%

Life Cycle Cost comparison  
(LCC) over a period of 5 years.

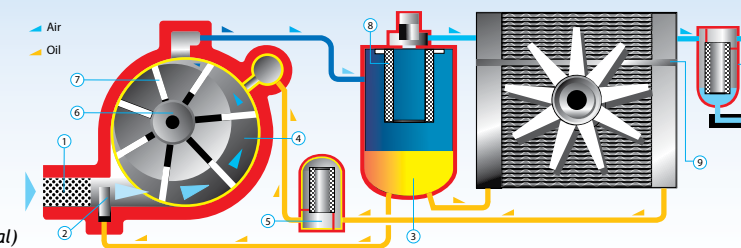
## YOU GET WHAT YOU PAY FOR

It is not uncommon to get over 100,000 hours of service life out of a MATTEI airend without a rebuild. Zero-wear blades ride on a thin film of lubricant to prevent wear to the blade or stator. The heart is the rotor which is supported by 2 white metal Babbitt bushings and spins at only 1,800 rpm - or less.



**How It Works** Ambient air is drawn through a filter into the compression chamber consisting of a stator in which an eccentrically arranged rotor revolves at 1,800 rpm. An air intake valve automatically adjusts incoming air volume to match your control scheme. The rotor has longitudinal slots in which the vanes slide. Zero-wear vanes ride on a thin film of oil and are held against the stator by centrifugal force. The air is compressed through the contraction in volume of each chamber formed by the vanes, the rotor and the stator wall. Sealing, cooling and lubrication are ensured by the oil injected into the chamber.

1. Pleated oversized Air Filter
2. Automatic intake Valve
3. Oil chamber
4. Compression chamber
5. Oil filter
6. Rotor
7. Blades
8. Coalescing separator
9. Air/oil cooler (radiator)
10. Condensate Separator & Drain (optional)



*Get your money's worth.*  
**GET A MATTEI.**

MATTEI compressors are friendly to your wallet and the environment, too. Each holds very little lubricant (*typically less than half that of a screw type compressor*) which saves you a small fortune on oil changes and disposal costs. Through 60 HP, the oil filter is cleanable – yes, cleanable. The highly efficient air/oil separator filter provides up to 10,000 hours of service, and low 1-3 ppm oil carryover.

