



Combustion

Explore our Technologies

Polymer Fans

for light-, medium- and heavy-duty truck
and off-highway engines

Polymer Fans

BORGWARNER POLYMER COOLING FANS RANGE FROM OPTIMIZED AXIAL FLOW FANS AND RING FANS FOR SPECIFIC INSTALLATIONS TO NEW HYBRID DESIGNS TO COVER FUTURE COOLING DEMANDS.

New features include improved aerodynamics and durability in the same light-weight package. Using technology-focused design methods such as FEA, CFD and MoldFlow™, performance and reliability are optimized.

BorgWarner Fans deliver up to 15% more airflow and 15% less weight than competitive products.

BorgWarner's Guide Vane designs provides optimized air-flow potential through its world-class efficiency improvements and unique diffuser design. This unique design requires lower torque than fans operating in a traditional shroud, translating into more power to the wheels.

Technical Features & Advantages

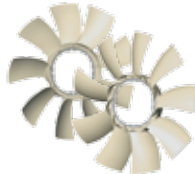
LD SERIES



LD7/LD7RF
for LV, OH

- Light duty
- Efficient and low noise blade profile
- Lightweight and optimized for light commercial vehicles
- Customer specific ring fan variants

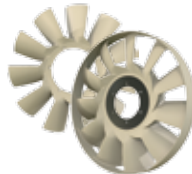
SD9 SERIES



SD9s/SD9e
for LV, MD, OH

- High performance
- Efficient for use in light vehicle, medium trucks and off-highway vehicles
- Optimized for use on Gen II and Visctronic fan drives with OD-mount
- Ring fans according to customer specific requirements realized

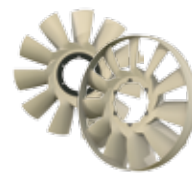
XS SERIES



XS11/XS11RF
for MD, OH

- High performance
- For medium commercial vehicles and small off-highway vehicles
- High efficiency
- Works well with the Visctronic fan drive series

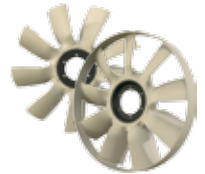
SD11 SERIES



SD11/SD11RF
for MD, OH

- High performance
- Efficient for use in light vehicle, medium trucks and off-highway vehicles
- Optimized for use on Gen2 and Visctronic fan drives with OD-mount
- Ring fans according to customer specific requirements realized

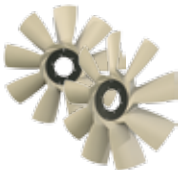
MD SERIES



MD9/MD9RF
for MD, HD, OH

- First generation off-highway and medium duty vehicle fans
- Weight optimized
- High performance and efficiency
- MD Series is the basis of the next generation SD and XMD Series fans

XMD SERIES



XMD6/XMD9
for MD, HD, OH

- Design originated from North American highway truck requirements
- Adapted to fit global customer requirements
- Moderate performance and efficiency
- Low noise
- Outstanding ram air cooling performance leads to highest fuel efficiency

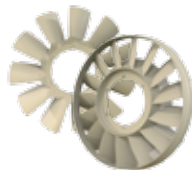
HD SERIES



HD11/HD11RF
for HD, OH

- First generation modern off-highway and heavy duty vehicle fans
- Weight reduced
- High performance and efficiency
- HD Series is the basis of the next generation XD Series fans

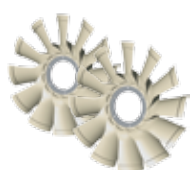
XD SERIES



XD11/XD11RF
for HD, OH

- Superior performance
- Meets the peak truck cooling requirements globally
- Best cooling performance at low RPMs' using Visctronic fan drives

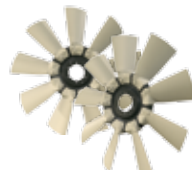
XDB SERIES



XDB12/XHB12
Ø 620-750 Ø 720-864
for HD, OH

- Maximized performance
- Meets even the most extreme truck cooling requirements globally
- Optimal cooling for low ratio and limited size fan applications in conjunction with Visctronic fan drives

XL SERIES



XL9
for HD, OH

- Innovative over-molded blade
- Larger airflow while maintaining the desired efficiency and durability levels
- Off-highway vehicle compatible

GUIDE VANE SYSETMS



EGV/SGV
for LV, MD, HD, OH

- Application specific fan performance boost
- Enables benchmark efficiency of the fan system
- Suitable for LV/CV vehicles on demand
- EGV optimized for use with BorgWarner open fans
- SGV optimized for use with BorgWarner ring fans

For Additional
BorgWarner Information:
borgwarner.com

