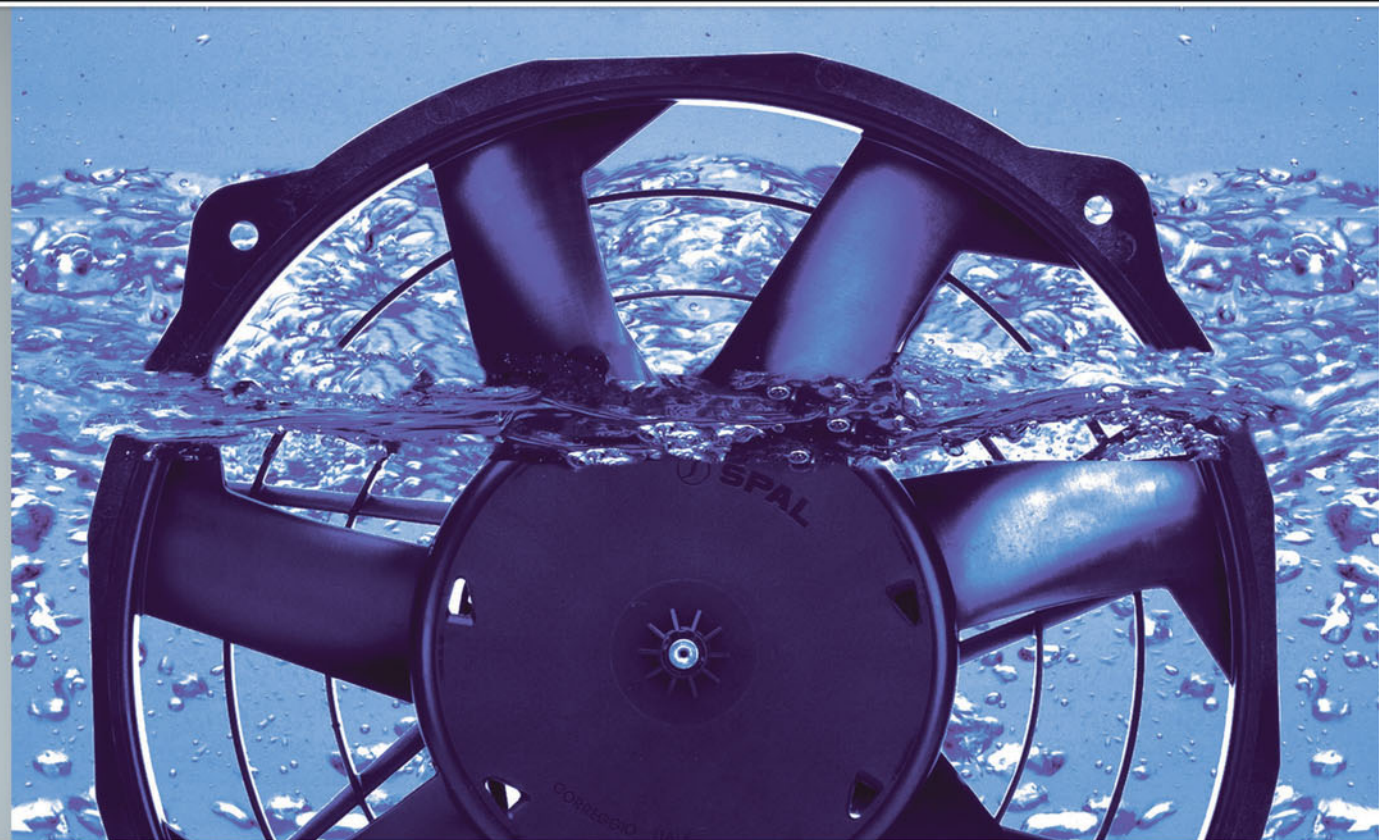


SPAL has developed a new generation of brushless motors with integrated electronics built to IP68 and IP6K9K ingress protection (TÜV certified). Our motors are waterproof, provide superior performance and a longer life under all operating conditions.

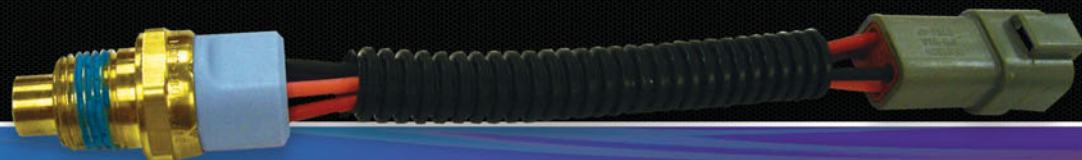
The motor components are fully protected against dust, water, saline fog, chemical aggressions and are maintenance free over entire expected life.

- Soft Start In All Conditions, No Electrical Inrush Spikes
- Fan Performance Constant For Full Life, No Break In Period, No Degradation
- Sensorless Sine Wave Drive Design For Smooth Reliable Operation
- Reduced Motor Depth & Weight While Increasing Performance vs Brushed Motor Fans
- Self Protecting From Mechanical Overload Over/Under Temperature & Voltage



SBL-TS (01, 02 & 03) BRUSHLESS TEMPERATURE SENSORS

- Temperature Sensor Offerings For Full Variable Control Of SPAL Brushless Fans
- Optional Input Allows 100% Fan Speed For Air Conditioning Or Override Switch



NUOVA
SPAL BRUSHLESS FANS



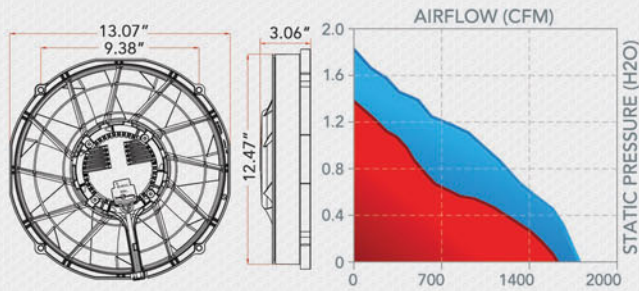
1731 SE ORALABOR ROAD | ANKENY, IA 50021
P: (800) 345-0327 | F: (800) 654-7725 | W: WWW.SPALUSA.COM

SPAL "NUOVA" brushless fans feature completely sealed IP68/IP6K9K rated waterproof and dustproof motors with integrated power and signal electronics, "soft start" technology (eliminates electrical in-rush spike), digitally controlled for smooth and reliable operation, temperature sensor options for full variable speed control, reduced axial dimensions, low weight, high efficiency, low noise, along with excellent resistance to vibration and harshness (NVH) levels.



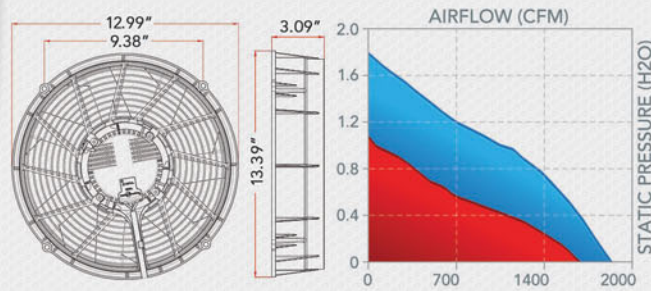
30107010 // VA89-ABL300-94A
12" DROP-IN MOUNT BRUSHLESS FAN

- Drop-In Mount Design Provides Extreme Durability Of 10G+ Vibration Resistance
- Fan Speed Is Variable Between 800 To 3200 RPM
- Dramatically Longer Life Versus Standard Brushed Fan Motors
- Pressure Washable & Submersible (IP68 & IP6K9K)



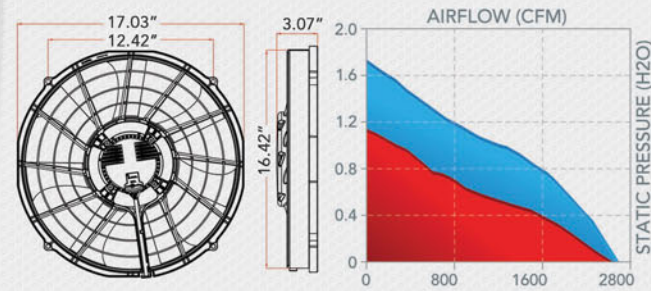
30107033 // VA92-ABL304-99A
12" FLUSH MOUNT BRUSHLESS FAN

- Shares Mounting Style And Hole Pattern With 12" Paddle Brushed Fans With A Reduced Total Depth
- SPAL Patented Brushless Motor Sealed IP6K9K Waterproof/Dustproof
- Soft Start & Variable Speed From 800 To 3400 RPM
- Extremely Durable & Rugged Design



30107035 // VA97-ABL309-98A
17" DROP-IN MOUNT BRUSHLESS FAN

- New "Brushless Only" Fan Design
- Drop-In Design Increases Strength Of Shroud
- Performance Boost Versus 16" Brushed Fans
- Reduced Weight & Overall Depth
- Soft Start & Variable Speed From 800 To 2800 RPM



30107072 // VA91-ABL318-65A
16" FLUSH MOUNT BRUSHLESS FAN

- Utilizes Identical Bolt Mounting Pattern Of SPAL 16" Brushed Fans Allowing For Simple Swap Out
- Fully Variable Fan Speed Up To 2500 RPM
- Dramatically Longer Life Versus Standard Brushed Fan Motors
- Pressure Washable & Fully Submersible To IP68 & IP6K9K Specifications

