

ONE PIECE MOLDED FANS

Truflo®

Fully molded plastic fan with
a steel center hub

BENEFITS

- Highly efficient
- Light weight
- Quiet
- Ability to be customized for a specific application
- Ability to accommodate clutches
- Optimized air flow
- Flame retardant material option is available
- Affordable and cost-competitive

MARKET APPLICATIONS

- Off Road
- Agriculture
- Power Generation
- HVAC
- Industrial



SPECIFICATIONS

- Glass-filled nylon blades
- Corrosion-resistant, steel center hub
- Diameter:
12in/300 mm to 39 in/1000 mm
- Models available with 6, 7, or 9 blades
- Models available with Parallel, Sickle or Tapered blades

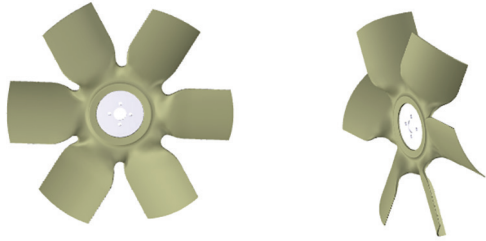
Toll-Free: 800-328-6108

Email: sales@truflo-airmovement.com

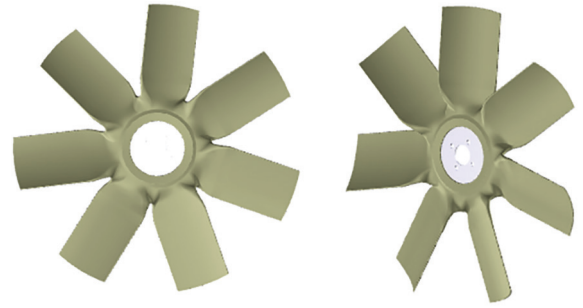
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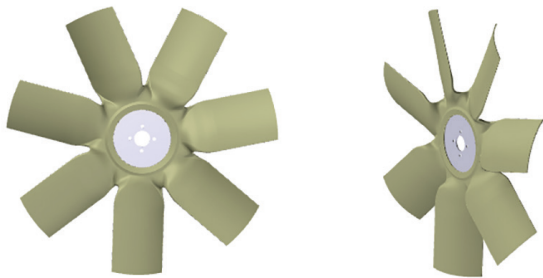
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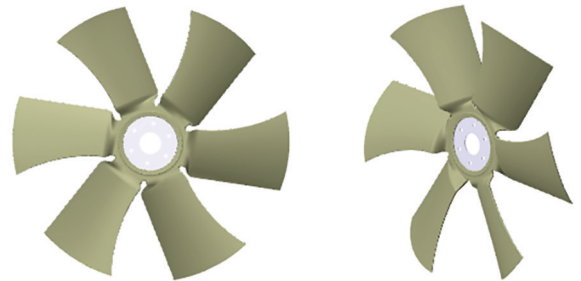
SAP20



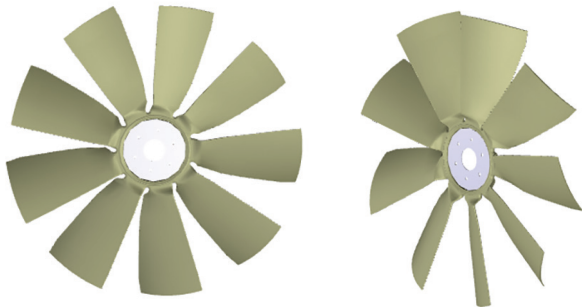
SBP24



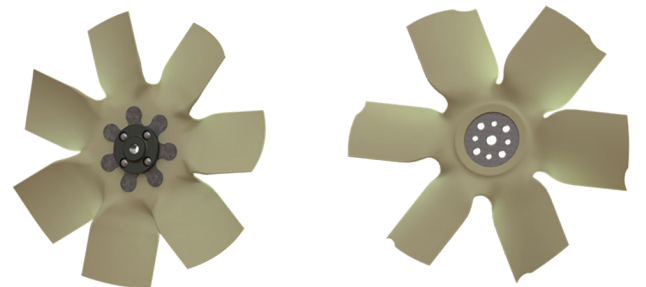
SCP30



SDS39



SET40



CUSTOMIZED OPTION EXAMPLES

Model	Min. Diameter	Max. Diameter	Blade Count	Blade Angle	Blade Type
SAP20	12 in/300 mm	20 in/508 mm	6	32	Parallel
SBP24	20 in/510 mm	24 in/610 mm	7	26	Parallel
SCP30	24 in/610 mm	29.5 in/750 mm	7	26	Parallel
SDS39	20 in/500 mm	39 in/990 mm	6	26	Sickle
SET40	21 in/550 mm	39.4 in/1000 mm	9	32	Tapered

9700 West 74th Street, Eden Prairie, MN 55344

North America: 952-941-9700 ■ Toll-Free: 800-328-6108

UK: +44 (0)121-557-4101 ■ China: +86 514 83582600 ext 9012

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TRUFLO SDS39 MOLDED FAN

Truflo[®]

One of the largest one-piece fully molded fans in the market

BENEFITS

- **High efficiency**
26% more efficient than other molded fans
- **Low noise**
Reduction of up to 8 dB(A)
- **Light weight**
Only 11.2 lbs (5.1 kg) at 39 in (990 mm) maximum diameter
- **Affordable**
 - Lower power consumption saves fuel
 - Low fan noise reduces cost of sound attenuation material
 - Ability to eliminate the need for a clutch results in a cost savings and reduces complexity

WHERE TO USE

- Power Generators
- Construction equipment
- Fork lifts
- Agriculture equipment
- HVAC



FEATURES/SPECIFICATIONS

- Diameter range:
20 inches (500mm) up to 39 inches (990mm)
- Standard and reverse flow
- Glass-filled polyamide blades
- Corrosion resistant steel center hub
- Available in any fan mounting pattern, including fitment to a viscous clutch
- Optional shaft adaptors for direct, electrical or hydraulic drives.
- Sickle shape leading edge blade profile based on the successful Truflo HBS56 hybrid fan design
- Ability to mold fans at the finished diameter

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TRUFLO SDS39 COOLING FAN

SPECIFICATION

Diameter: 21.6 to 39 in (500 to 990 mm)

Projected width: 5.4 in (138 mm)

Weight: 5.9 lb (2.7 kg) to 11.2 lb (5.1 kg)

Rotation: Standard and Reverse

Blade angle: 26 degrees

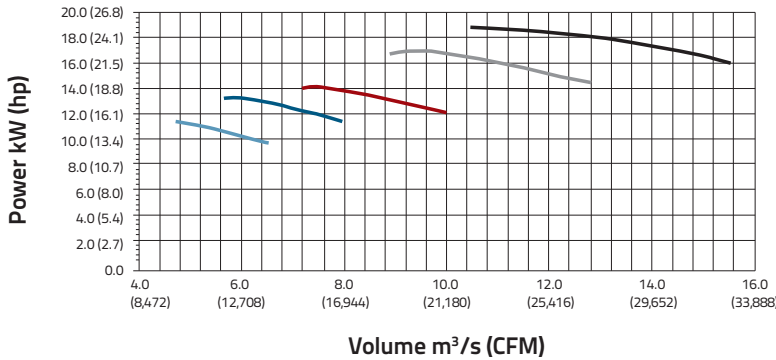
Pilot diameter: Up to 5 in (127 mm)

Inertia: 1.7 lb.ft² to 9.0 lb.ft² (0.07 kgm² to .38 kgm²)

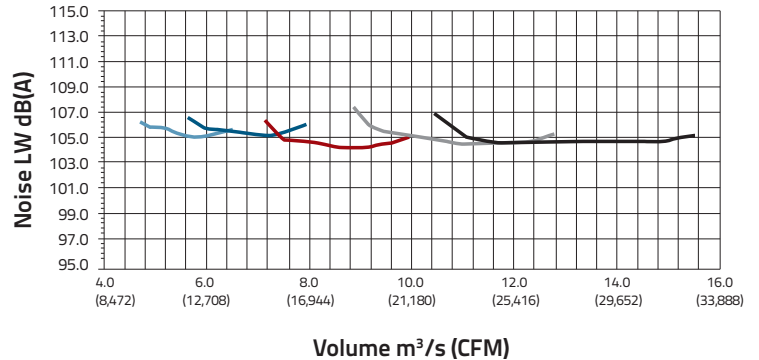
Truflo manufactures a comprehensive range of cooling and air movement fans:

- One piece molded fans from 12 in to 40 in (300 mm to 1000 mm)
- Hybrid and modular fans from 11 in to 91 in (280 mm to 2300 mm)
- Metal fans from 10 in to 118 in (250 mm to 3000 mm)
- High temperature fans up to 1,112° F (600 ° C) operating temperature
- Custom fan capability

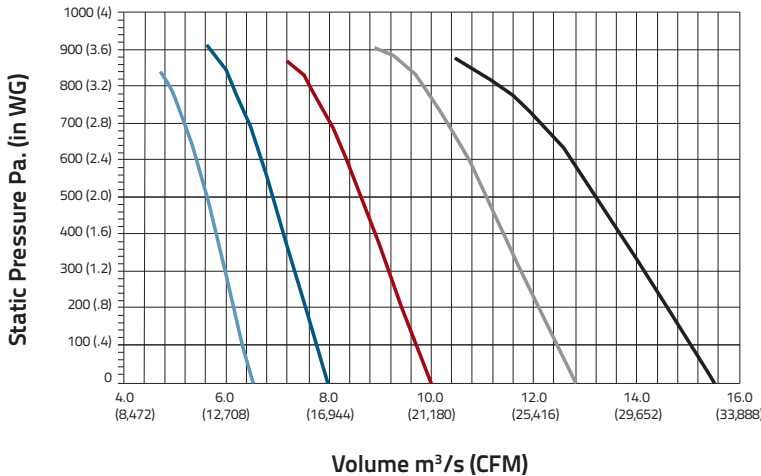
POWER



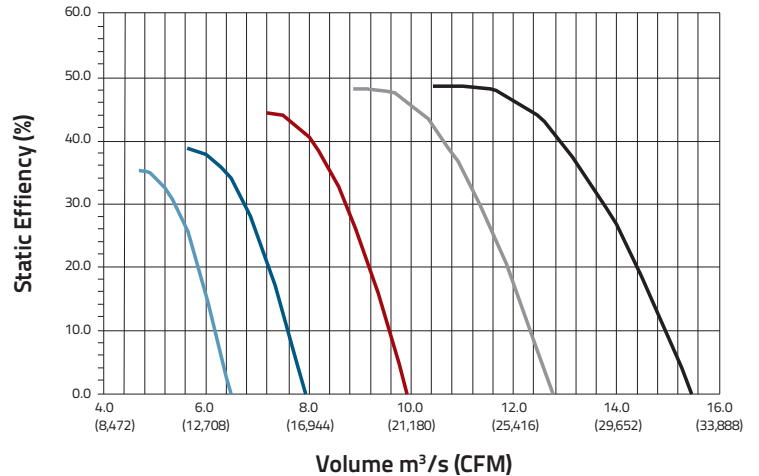
NOISE (sound power level)



PRESSURE AND AIR FLOW



STATIC EFFICIENCY



- SDS39/06/26° - Ø990mm @ 1550rpm
- SDS39/06/26° - Ø865mm @ 1800rpm
- SDS39/06/26° - Ø762mm @ 2000rpm
- SDS39/06/26° - Ø680mm @ 2300rpm
- SDS39/06/26° - Ø620mm @ 2500rpm

- SDS39/06/26° - Ø990mm @ 1550rpm
- SDS39/06/26° - Ø865mm @ 1800rpm
- SDS39/06/26° - Ø762mm @ 2000rpm
- SDS39/06/26° - Ø680mm @ 2300rpm
- SDS39/06/26° - Ø620mm @ 2500rpm

Performance tested to AMCA 210, Installation Type A. Noise tested to AMCA 300.

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TRUFLO SET40 MOLDED FAN

Truflo[®]

The largest one-piece cooling fan on the market.

BENEFITS

- **High Performance**
Optimized design for medium pressure, high flow and high efficiency
- **Light weight**
Less than 13 lbs. (6 kg) at 39 in (1000 mm) diameter which reduces transport costs
- **Design**
 - The contoured blade-to-hub connection generates superior flow to the center of the application which reduces dead spots and radiator hot spots.
 - Ability to fit to a viscous clutch

MARKET APPLICATIONS:

- Construction equipment
- Agriculture equipment
- Power Generators
- HVAC



SPECIFICATIONS

- Diameter range: 22 in to 39 in (550 mm-1000 mm)
- Blade count: 9
- Blade Angle: 32 degrees
- Blade type: Tapered
- Standard and reverse flow
- Glass-filled nylon blades
- Corrosion resistant steel center hub
- Available in any fan mounting pattern, including viscous clutch
- Optional shaft adaptors for direct, electrical or hydraulic drives
- Ability to mold fans at the finished diameter

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TRUFLO SET40 MOLDED FAN

SPECIFICATIONS

Diameter: 22 in 39 in (550 to 1000 mm)

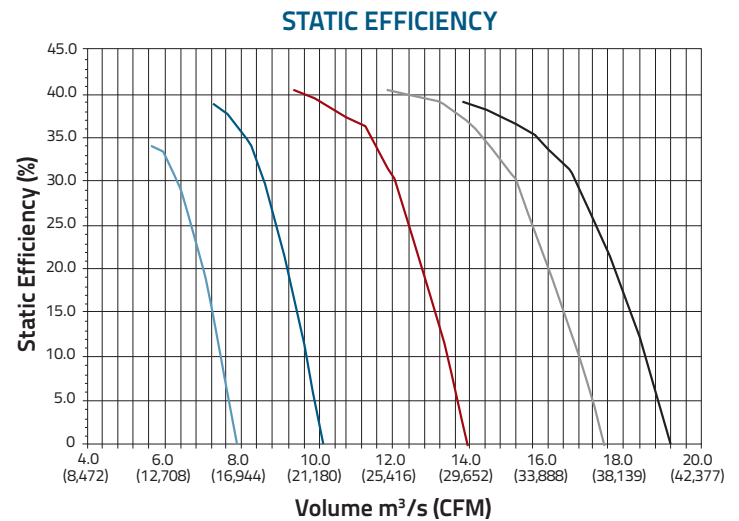
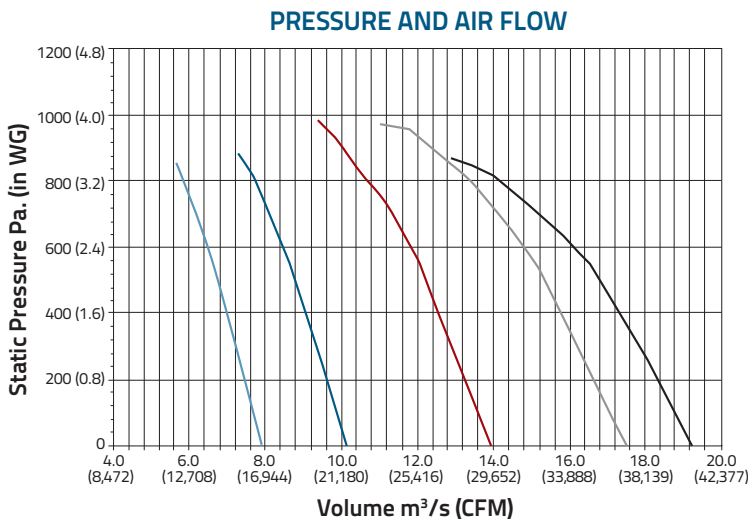
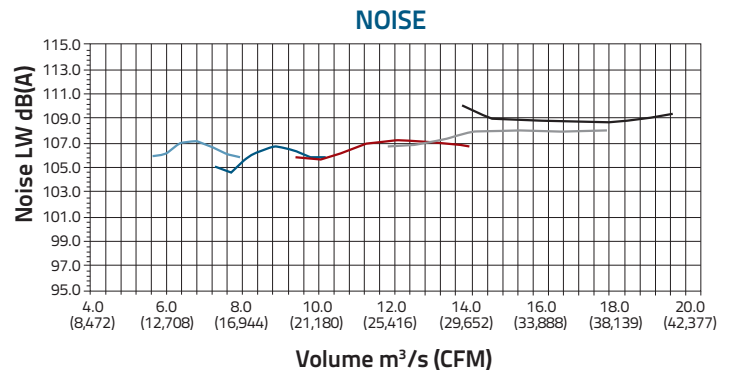
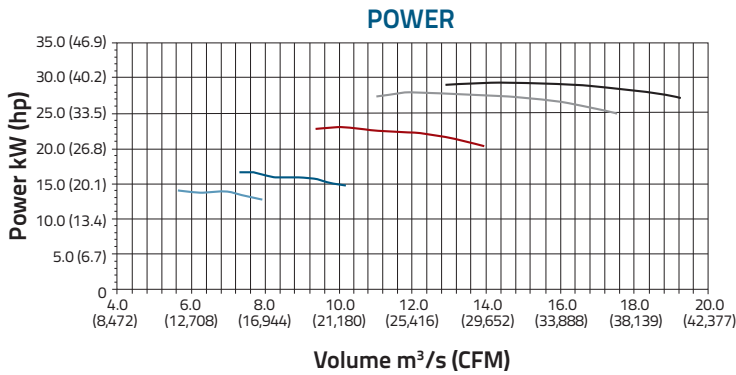
Projected width: 3.3 in to 5 in (84 to 127 mm)

Weight: 7.4 lbs. to 13 lbs. (3.38 to 5.98 kg)

Blade angle: 32 degrees

Pilot diameter: up to 5 in (127mm)

Inertia: 2.1 lb.ft² to 11.8 lb.ft² (0.09 kgm² to 0.50 kgm²)



- SET40/09/32° - Ø1000mm @ 1550rpm
- SET40/09/32° - Ø965mm @ 1600rpm
- SET40/09/32° - Ø865mm @ 1800rpm
- SET40/09/32° - Ø762mm @ 2000rpm
- SET40/09/32° - Ø680mm @ 2300rpm

- SET40/09/32° - Ø1000mm @ 1550rpm
- SET40/09/32° - Ø965mm @ 1600rpm
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