

# Primo

## Inline mixed flow fans

### Use

- Inline fans for supply and exhaust ventilation of various commercial and industrial premises requiring powerful air flow.
- The fans are compatible with Ø 14" and 16" air ducts.
- Combines wide capabilities and high performance features of axial and centrifugal fans, providing powerful air flow.



**Air flow:**  
up to 2112 CFM



**Power:**  
from 198 W



**Noise level:**  
from 2.6 Sones



### Design

- The casing is made of polymer additionally reinforced with a metal housing.
- Due to the conically shaped polymer impeller with specially profiled blades, the air stream circular velocity increases, which results in higher air flow and pressure, as compared to characteristics of standard axial fans.
- The specially designed diffuser, impeller and airflow rectifier at the fan outlet provide smooth air flow distribution and enable the best combination of high capacity, powerful pressure and low noise.
- The fan casing is equipped with an airtight terminal box for connection to power mains.

### Motor

- Three-speed high-efficient asynchronous motor.
- Equipped with ball bearings for longer service life (up to 40 000 hours).
- All motors have thermal overload protection.

### Mounting

- The fans can be mounted at any place and at any angle within the ductwork system. Several fans may be installed in one system in parallel to attain higher air capacity or in series to increase operating pressure in the system. The fan casing is equipped with fixing brackets for suspended mounting.
- The fans can be installed using the appropriately sized **UM Primo** bracket.

### Designation key

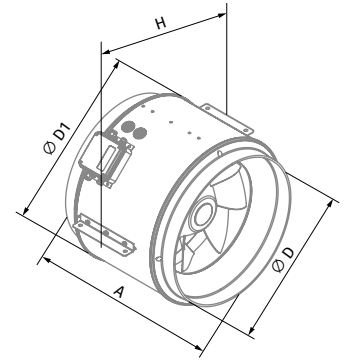
Series	Duct diameter [mm]	Modifications
Primo	355; 400	<b>US:</b> three-speed switch <b>FR1:</b> smooth speed controller adjustable from 0 to 100 % and power cable with mains plug <b>G1:</b> speed controller, temperature controller with external temperature sensor, power cable with mains plug <b>W1:</b> power cable with mains plug

### Accessories

Silencers	Filter boxes	Electric heaters	Water heaters	Backdraft air dampers	Air dampers	Clamps
SD	KFBK	KFBT	EKH	WKH	VRV	VK / VKA
						K

**Dimensions [in]**

Model	Ø D1	Ø D	A	H	Weight [lbs]
Primo 355	16"	13 3/4"	14 5/8"	18 7/16"	33
Primo 400	17 3/4"	15 9/16"	16 5/16"	20 3/16"	41

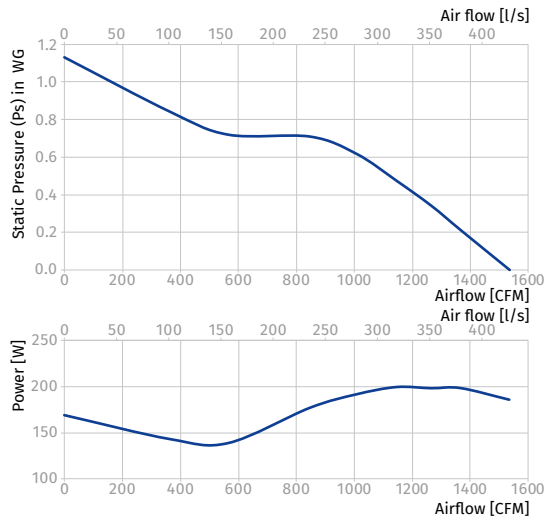


**Technical data**

Model	Duct dia	RPM*	Sones	Watts*	Amps*	CFM vs. Static Pressure (Ps) in WG											Max Ps. in WG	Volts
						0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1"	1.25"	1.5"	2.5"		
Primo 355	14"	1516	2.6	198	1.76	1536	1435	1370	1330	1230	1120	500	150	-	-	-	1.18	120
Primo 400	16"	1378	2.7	309	2.7	2112	1950	1850	1775	1625	1475	1175	400	-	-	-	1.2	120

\* The parameters RPM, Watts, Amps are indicated at 0.2 in WG static pressure

**PRIMO 355**



**PRIMO 400**

