

Technical Data for Fan Model VAX-900-14/29-N6

Location: EGYPT

Designation: HVAC

Performance - Required

Air Flow: 24000 m³/h
Static Pressure: 50 Pa
Selection Pressure: 50 Pa
Installation Type: TYPE D
Air Density: 1.204 kg/m³
Atmos. Temp.: 20 °C
Altitude: 0 m
Humidity: 0 %

Actual

Air Flow: 28176 m³/h
Static Pressure: 68.91 Pa
Total Pressure: 160 Pa

Fan Data

Catalogue Code: VAX-900-14/29-N6
(X-90-14/29NO53-3-132S-3-6)

Description: long-cased
Diameter: 900 mm
Impeller Type: Axial
Blade Material: Aluminium
Speed: 960 rpm
Power, Abs: 2.09
SFP: 0.31
Efficiency Total: 59.9%

Hub: 250 mm
Pitch: 29°
Blades: 14
Running: 50 Hz
Peak: 2.49
Static: 25.8%
Fan Weight: 109.9 kg

Motor Data (at STP)

Motor Type: Standard
Electrical Supply: 3ph 400V 50Hz
Motor Frame: 132S
Motor Power: 3.6 kW (AOM) (3 kW IEC)
Motor FLC/Start: 8.316A (AOM) / 36.729A(6.93A FL IEC)
Motor Speed: 6 pole
Motor Efficiency: 85.6%

Sound Data

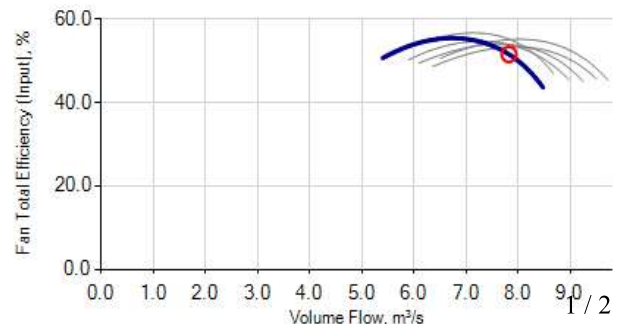
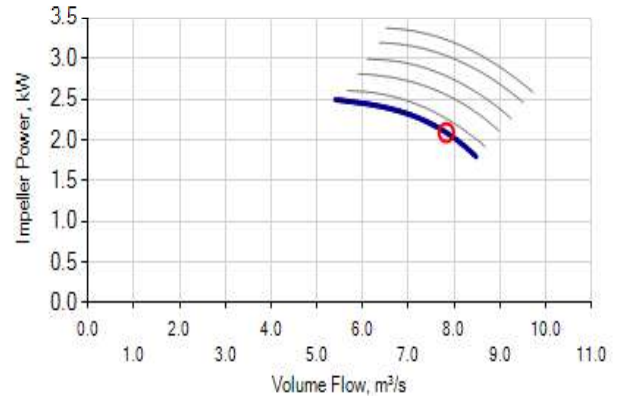
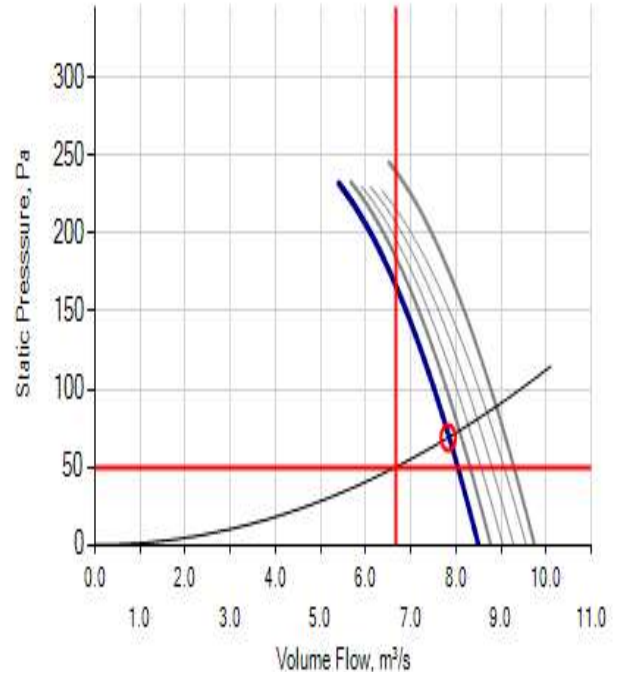
Spectrum (Hz):	63	125	250	500	1k	2k	4k	8k	dBW	dB(A) @ 3m
Inlet (dB):	87	80	90	90	88	86	84	77	96	72
Outlet (dB):	94	90	87	84	83	80	77	72	97	66

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.

Energy Related Product Data

Overall Efficiency: 55.53%
Installation Category: D
Efficiency Category: Total
FMEG: 59
Specific Ratio:

At Maximum Efficiency Point
Input Power: 2.78 kW
Air Flow: 6.73 m³/s
Pressure: 230 Pa
Speed: 960 r/min
ErP 2013: ✓ ErP 2015: ✓



Drawing for Fan Model VAX-900-14/29-N6

Location: EGYPT

Designation: HVAC

