

Design:

Radial fan; one suction side, direct driven. Impeller directly assembled on the motor shaft. Fan housing in heavy welded industrial execution with Base frame. Motor with flange mounted to the fan housing . Radial impeller with backward curved blades, aerodynamically optimized. Dynamically balanced according DIN ISO 1940; Balance quality grade G6.3.

Technical operation data:

Volume flow [m³/h]	1.500
Norm flow rate [Nm³/h]	1.398
Static pressure [Pa]	657
Total. pressure [Pa]	700
Dynamic pressure [Pa]	43
Inlet density [kg/m³]	1,205
Inlet temperature [°C]	20
Max. allowed temperature [°C]	40*
Efficiency [%]	83
Shaft power [kW]	0,4
Max. power consumption [kW]	0,4 *
Speed [min-1]	1.427
Speed [Hz]	49,4
Sound pressure level [dB(A)]	57,8 ** (1m)
Sound power level [dB(A)]	71,8 **
Impeller diameter [mm]	433
Run-up temperature [°C]	20
Run-up power [kW]	0,4
Run-up time approx. [i]	-
Fan weight incl.Motor approx. [kg]	129
Housing position	LG0

* based on impeller data

**sound increase incl. motor and other source of sound

Motor Data:

Brand	Siemens
Type	Standard IEC motor
Power [kW]	3
Speed [min ⁻¹]	1445
Voltage [V]	400/690
Frequency [Hz]	50
Heat class/Enclosure	F/IP55
Size	100L
Design	B5
Operation mode	FC
Motor Protection	PTC 1x3
Efficiency class	IE3
Terminal box	Top
Special bearings	No
Special painting	No

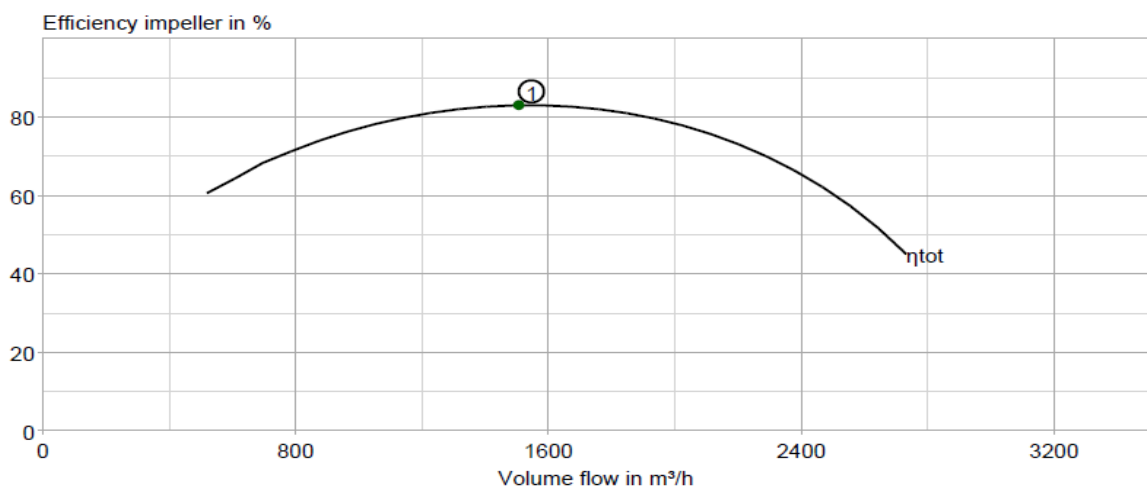
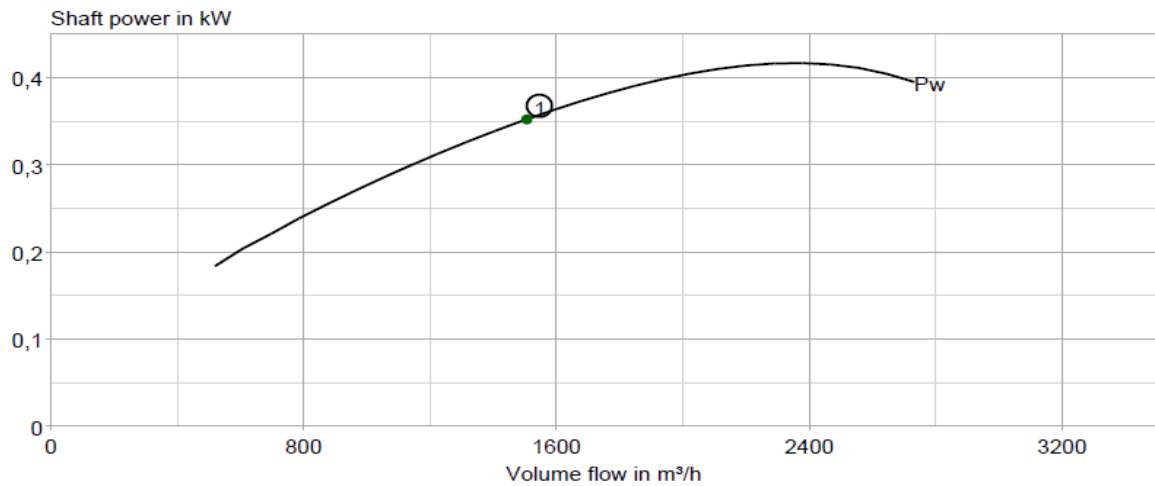
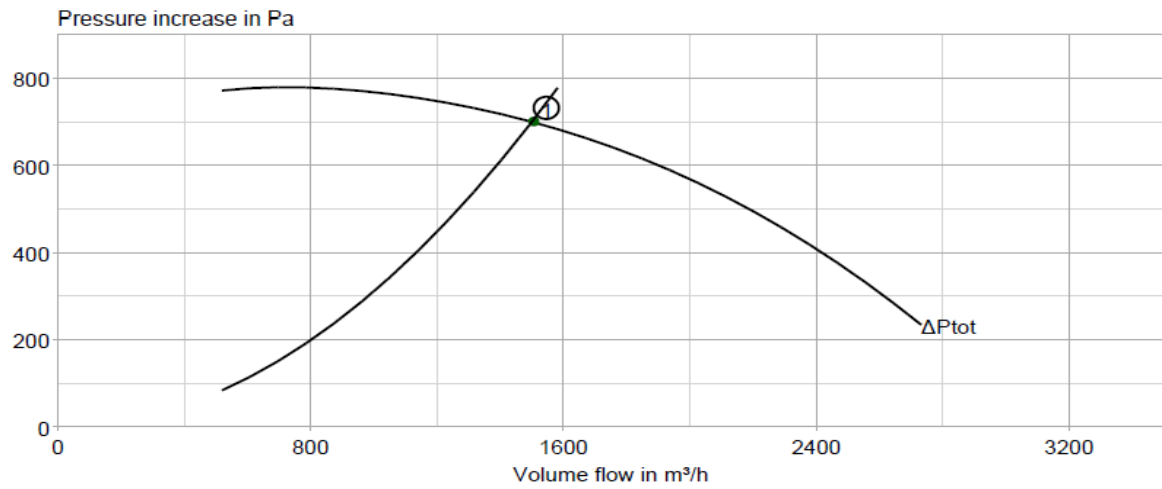
Delivery :

- Standard IEC Motor 100L, 1445 1/min 3 kW
- Special material

Specifics:

- Special material:
 - Impeller: 1.4462/1.4541
 - Hausing: 1.4301

Characteristic curves :



Operation point		1
Volume flow	[m ³ /h]	1500
Total pressure	[Pa]	700
Density	[kg/m ³]	1,205
Speed	[1/min]	1427