VRD / VRDGT – BACKWARD CURVED BLADES

Belt drive

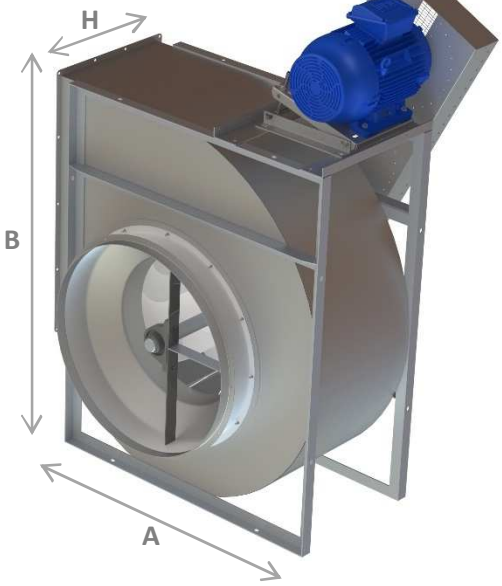
This range of belt-driven fans is fitted with backwards inclined blades. The motors are outside the air flow and the entire range is compatible with the reference frames F400-2h, F300-2h and F200-2h.

Designed for high-flow environments with low and medium pressures, this product is particularly suitable for extracting smoke from car parks and tertiary buildings. The casing is set in a frame with metal corners and can be orientated in 4 positions when viewed from the outlet side (see **STANDARDS-RULES-CONVENTIONS tab**) and in both directions of rotation.

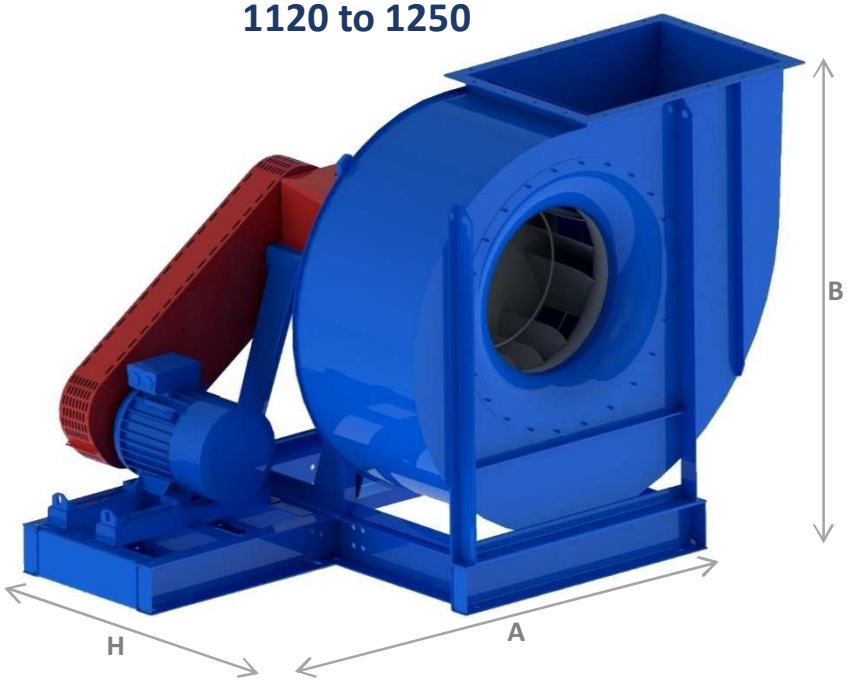
The bearings are fitted with self-aligned ball bearings with eccentric ring clamp. This product will be fitted with standard class F one- or two-speed motors.

It is made in steel sheet and the drive is protected with a housing. The impeller in painted steel is balanced statically and dynamically in accordance with standard ISO 1940 quality G6.3.

VRD
400 to 1000



VRDGT
1120 to 1250



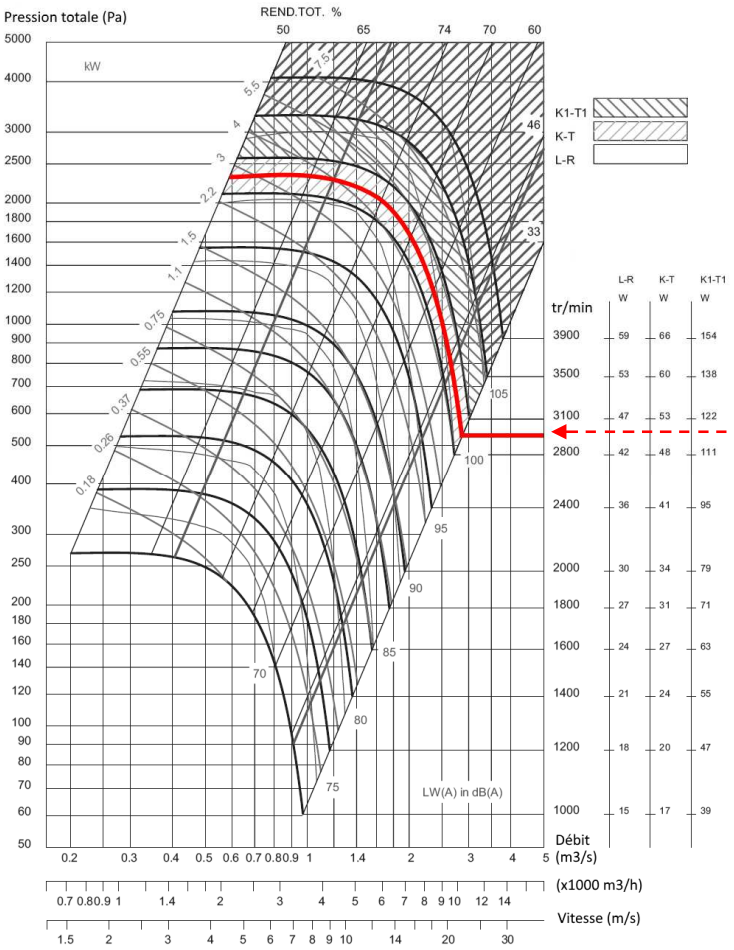
VRD ./.	400	500	630	710	800	900	1000	1120	1250
A (mm)	651	800	999	1121	1255	1408	1541	2400	2695
B (mm)	736	918	1157	1303	1470	1648	1810	2800*	3100*
H (mm)	336	402	504	553	607	669	738	2000	2135
Max. impeller speed (rpm)	2944	2200	1801	1500	1200	1021	976	1320	1150

*Maximum height with casing orientated at 45°, variable depending on orientation (0°, 45°, 90°, 270°, 315°)

VRD 400 - 500 PERFORMANCES

Common operating range

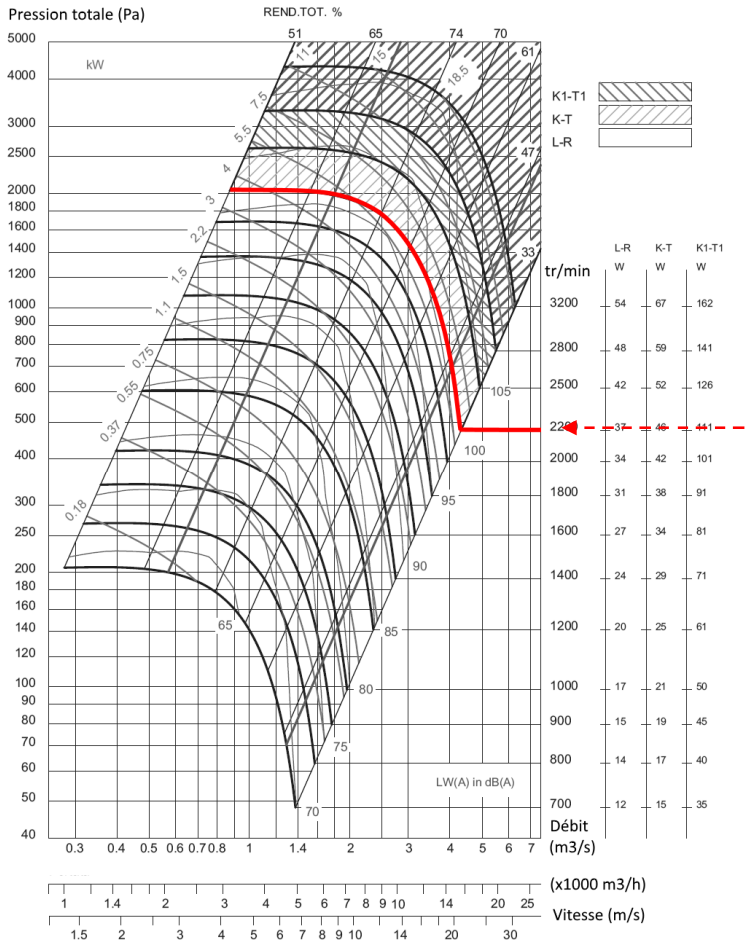
VRD 400



Maximum impeller speed:
2944 rpm

Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)

VRD 500

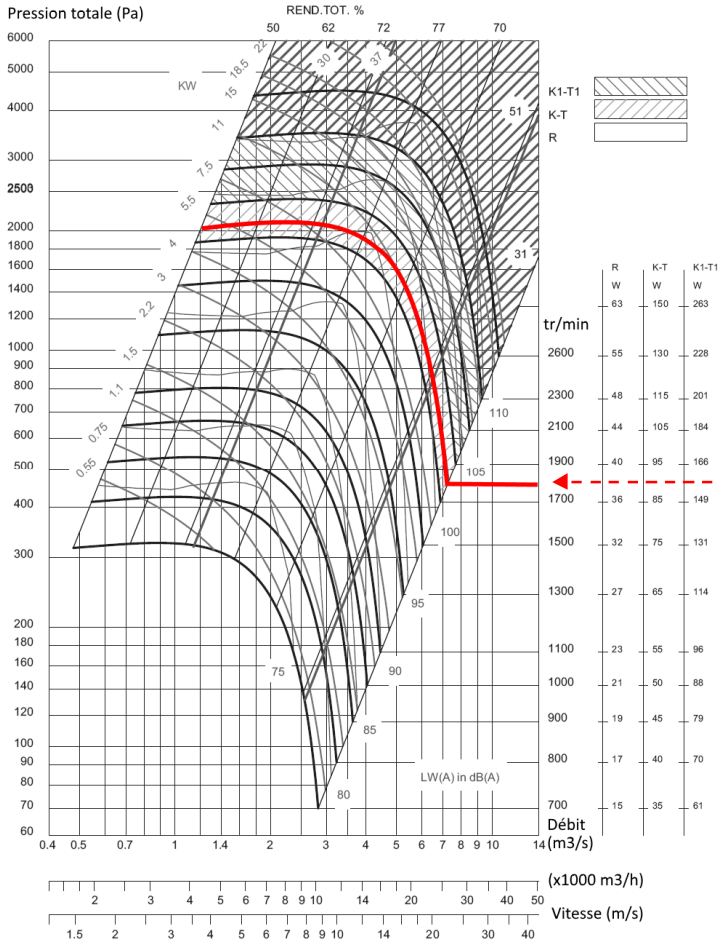


Maximum impeller speed:
2200 rpm

Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)

VRD 630 - 710 PERFORMANCES

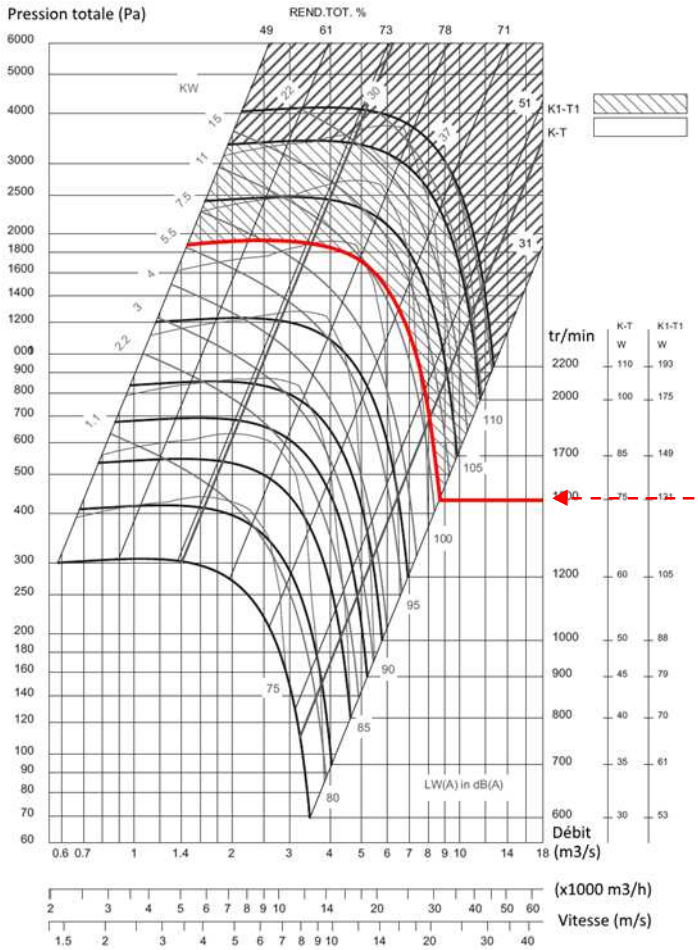
Common operating range



VRD 630

Maximum impeller speed:
1801 rpm

Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)



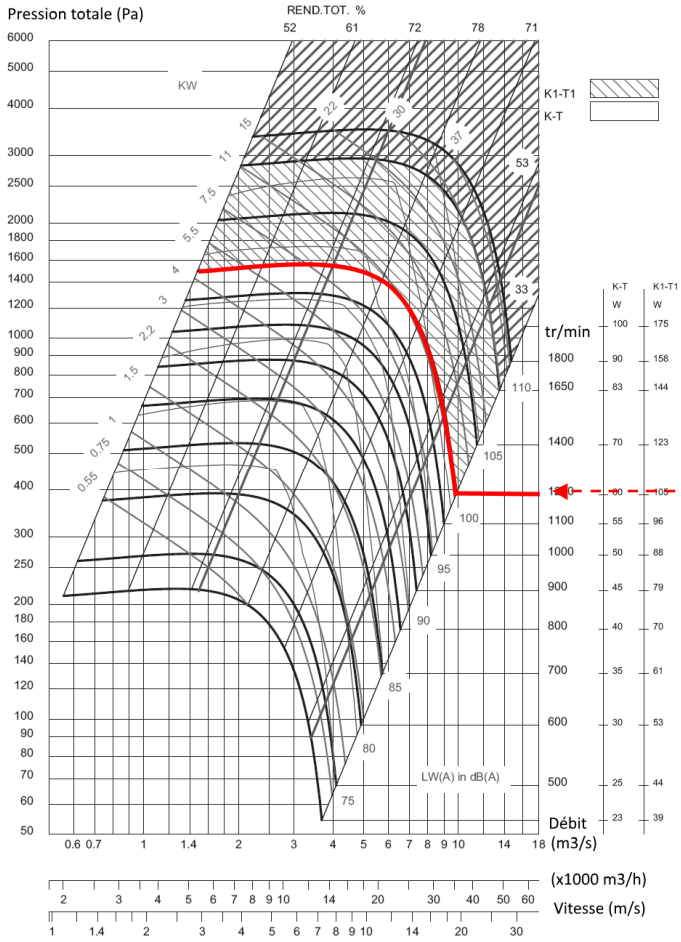
VRD 710

Maximum impeller speed:
1500 rpm

Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)

VRD 800 - 900 PERFORMANCES

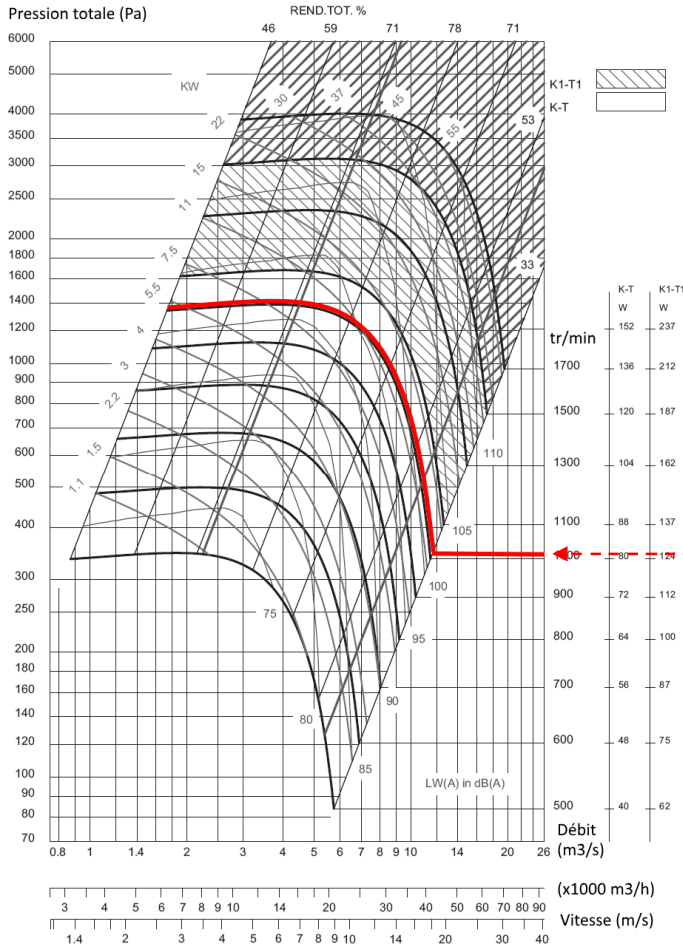
Common operating range



VRD 800

Maximum impeller speed:
1200 rpm

Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)



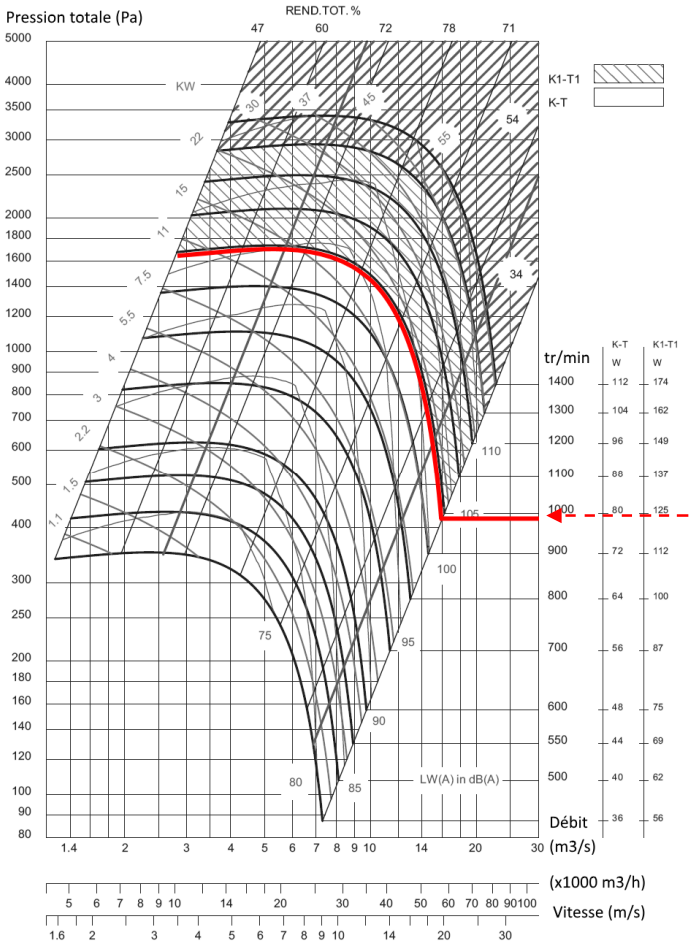
VRD 900

Maximum impeller speed:
1021 rpm

Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)

VRD 1000 PERFORMANCES

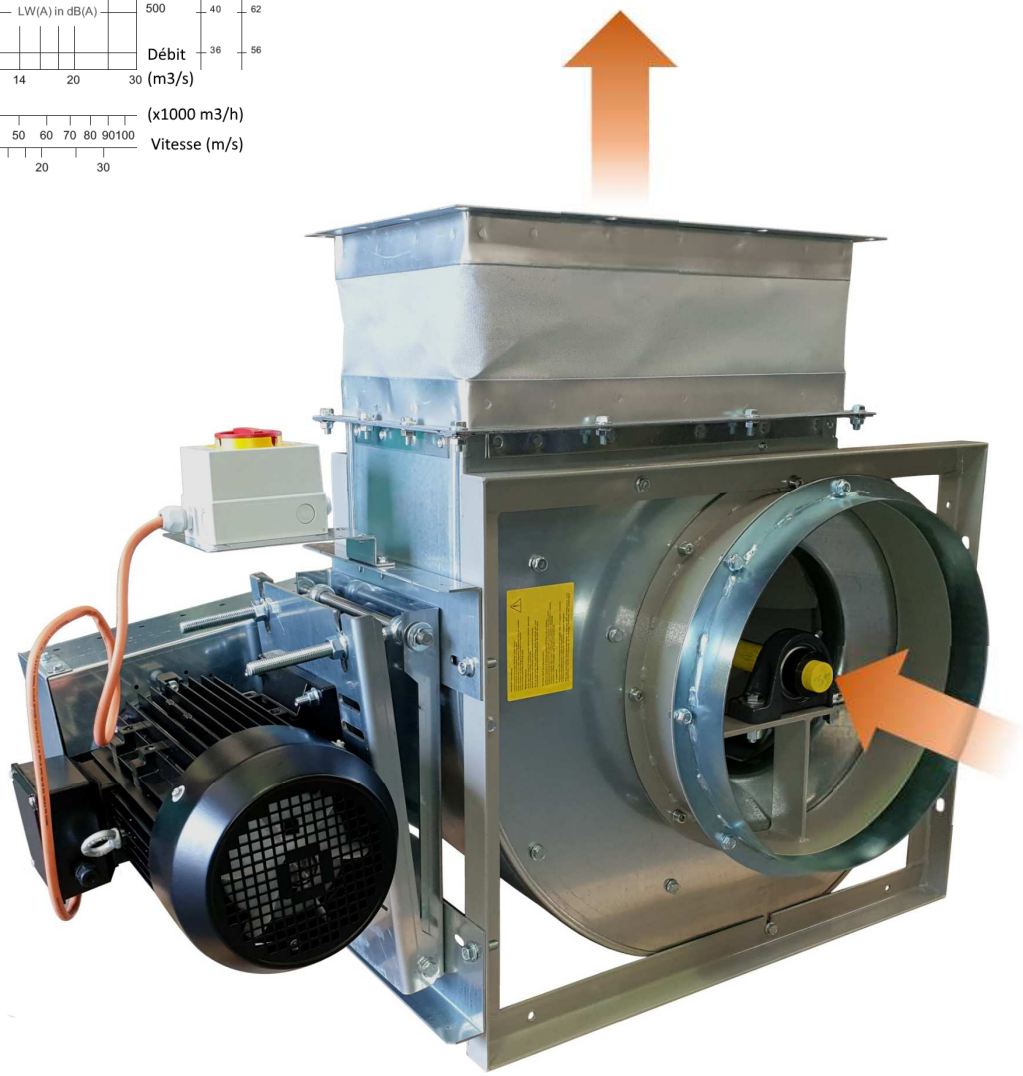
Common operating range



VRD 1000

Maximum impeller speed:
976 rpm

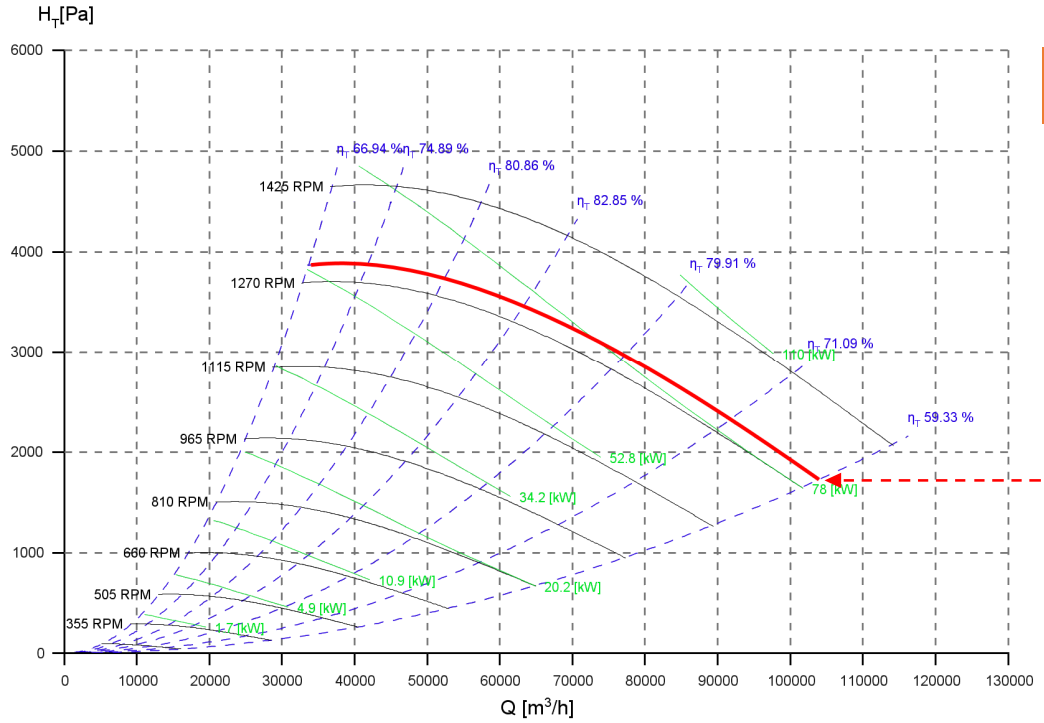
Pression totale = Total pressure (Pa)
Débit = Air flow (m3/h)
Vitesse = Velocity (m/s)
Rend. Tot. = Total efficiency (%)



VRDGT 1120 - 1250 PERFORMANCES

Common operating range

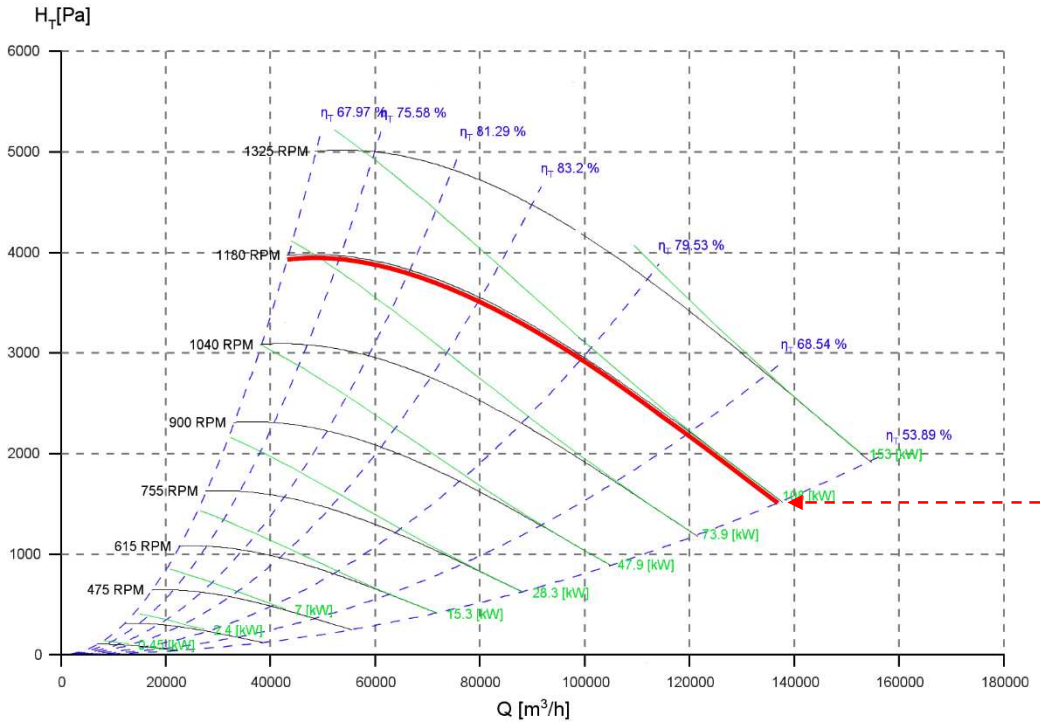
VRDGT 1120



Maximum impeller speed:
1320 rpm

H_T: Total pressure (Pa)
Q: Flow rate (m3/h)

VRDGT 1250



Maximum impeller speed:
1150 rpm

H_T: Total pressure (Pa)
Q: Flow rate (m3/h)