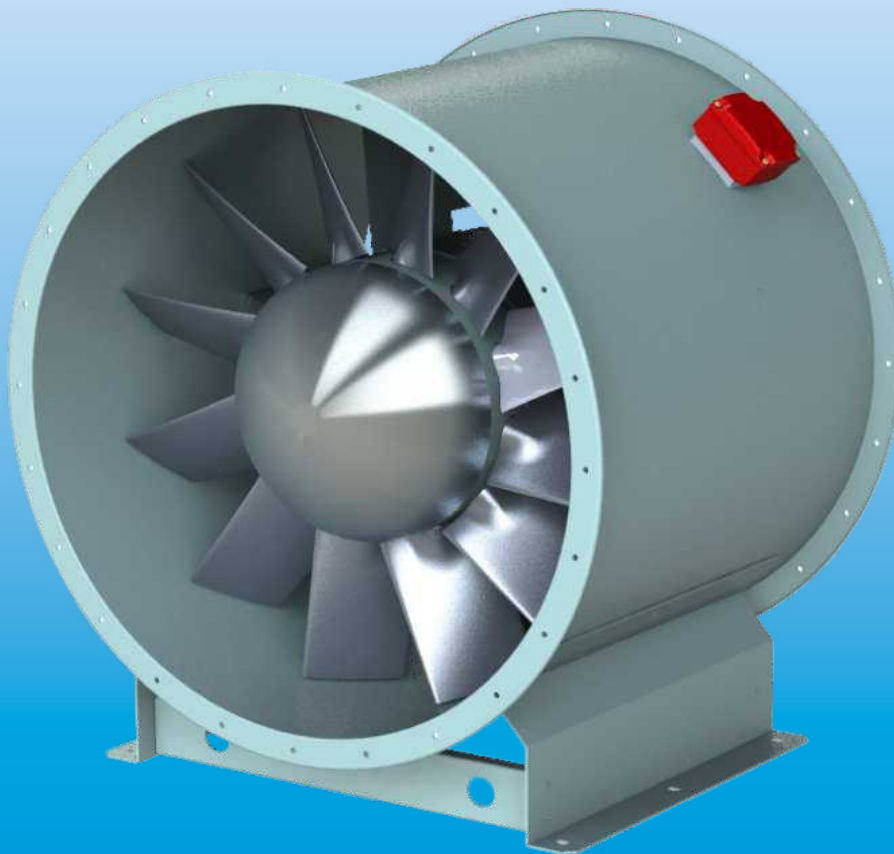




KTF Series (RB)

**Model 1000-1120
DIRECT DRIVE REVERSIBLE
VANE AXIAL FAN**



Feature

For commercial and industrial application where large volume of air is required at moderate to high pressure in both directions (reversible flow) .

Construction

Double flanged casing is produced in mild steel or galvanized steel. The reversible impeller blades are made of Aluminum Alloy.

Finish

Zinc rich primer and polyester powder coating or galvanized finishing are available for all mild steel parts.

Operating Temperature

Normal Ventilation: -20°C to +55°C
 High Temperature Application: available up to 400°C/2Hrs.

Motors

Totally Enclosed Class 'F' or 'H', with a min. IP55 protection are fitted as standard. Motors 3.0kW and above are star/delta starting. Motor of other specification are available upon request.

Truly Reversible

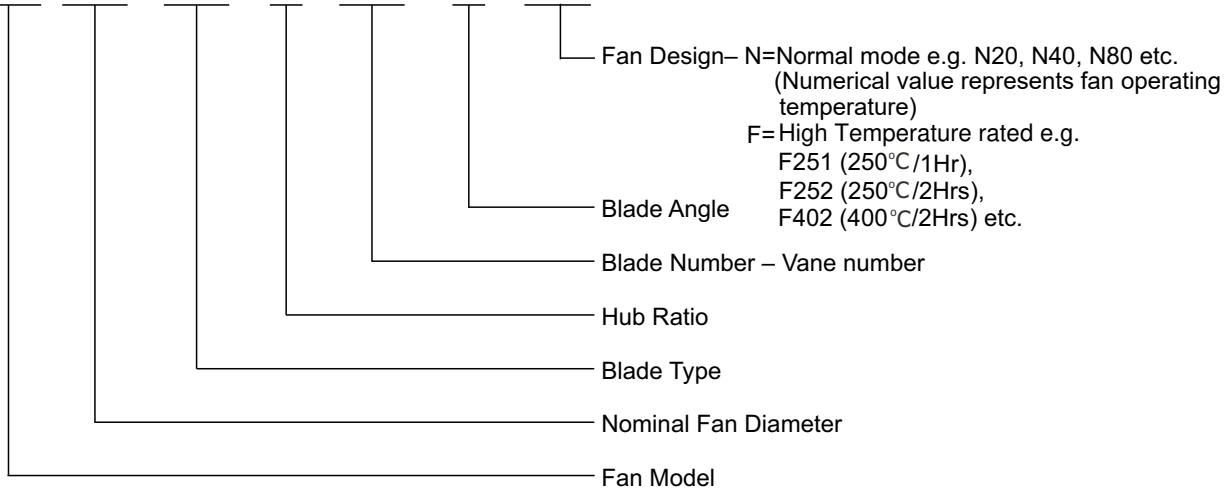
Reversibility of 95~100% air flow from impeller to motor is fitted as standard. Air flow from motor to impeller can be supplied upon request.



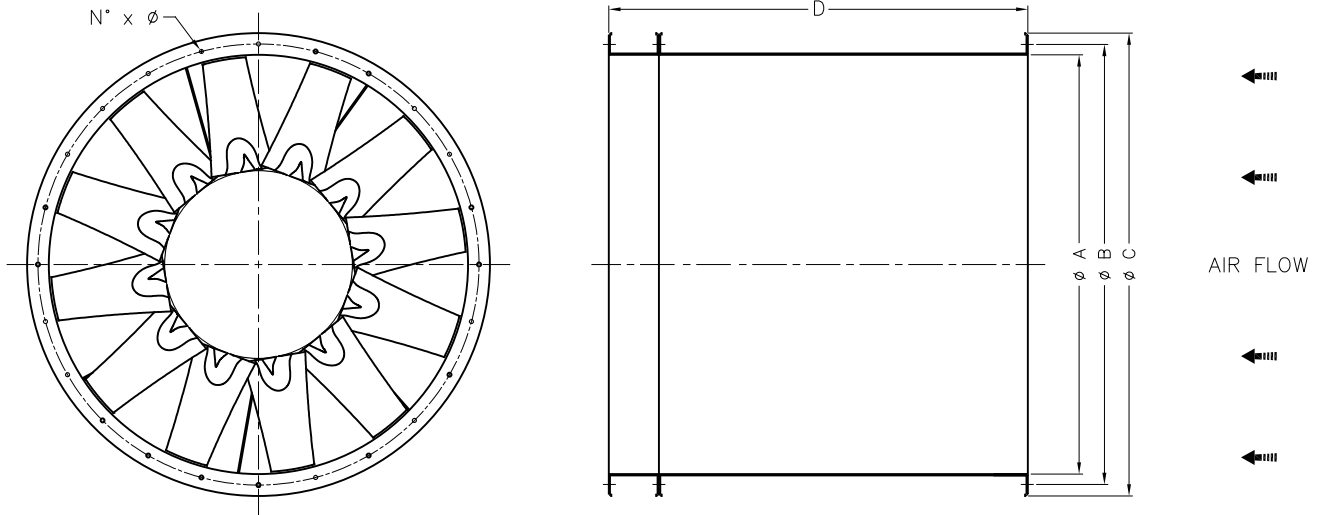
Kruger Ventilation Industries Asia Co.,Ltd. certifies that the **KTF1000-1120 Series (RB)** shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Nomenclature

KTF 1120 / RB20 / H / 12-7V / 20° / N20



Dimension



All dimension in mm.

Model	A	B	C	D	N°	Ø	Weight* (kg)	Max. Motor Frame Size**
1000	1000	1050	1100	1000	24	12	214	D160
1120	1120	1185	1250	1100	24	12	274	D180

* Weight without motor.

** Please consult KRUGER for motor frame size other than specified.

Example of Selection

Air Volume $Q = 9.24 \text{ m}^3/\text{s}$

Outlet Velocity $V_{out} = 9.38 \text{ m/s}$

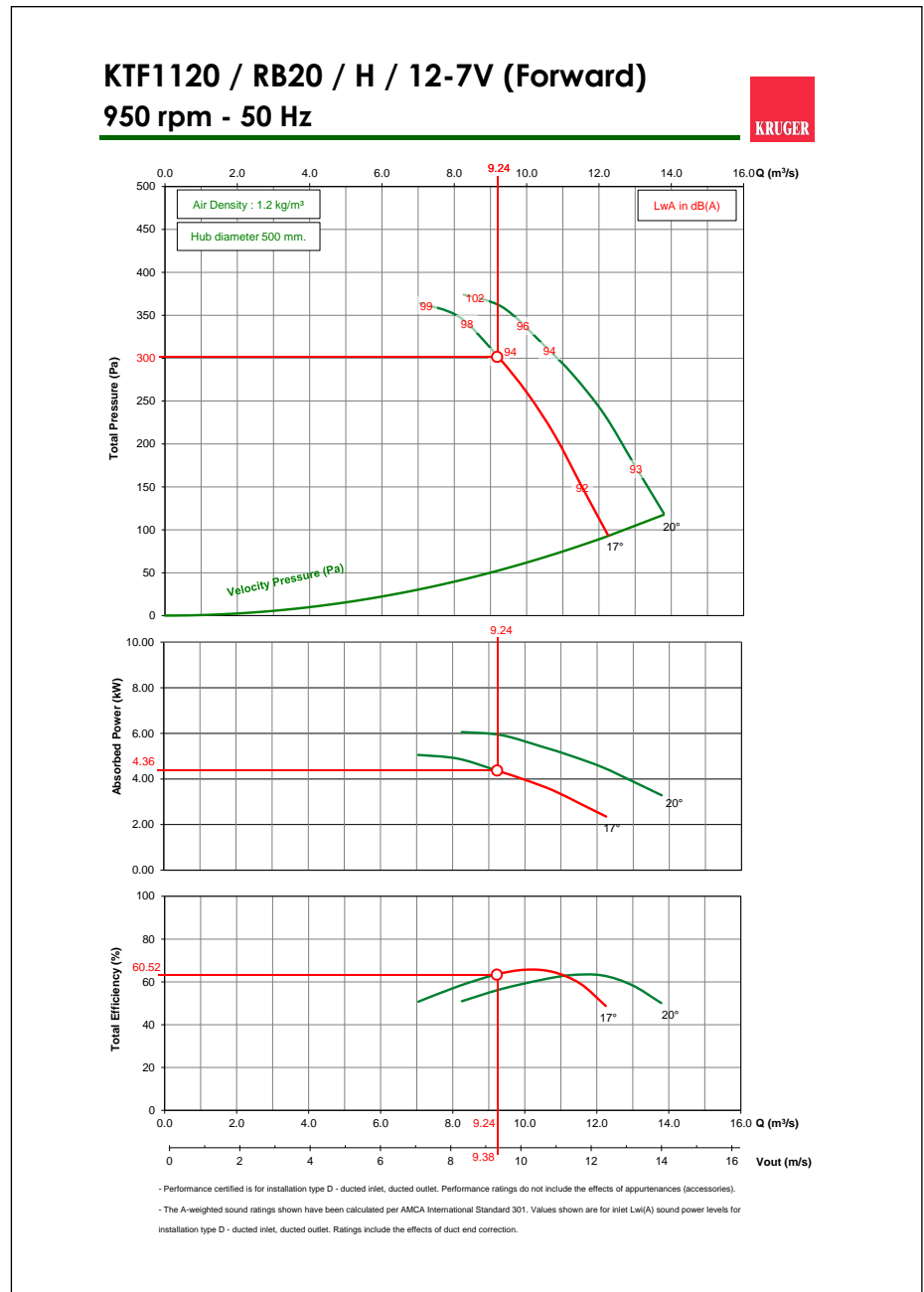
Total Pressure $P_t = 300 \text{ Pa}$

Fan Speed $N = 950 \text{ rpm}$

Absorbed Power $H = 4.36 \text{ kW}$

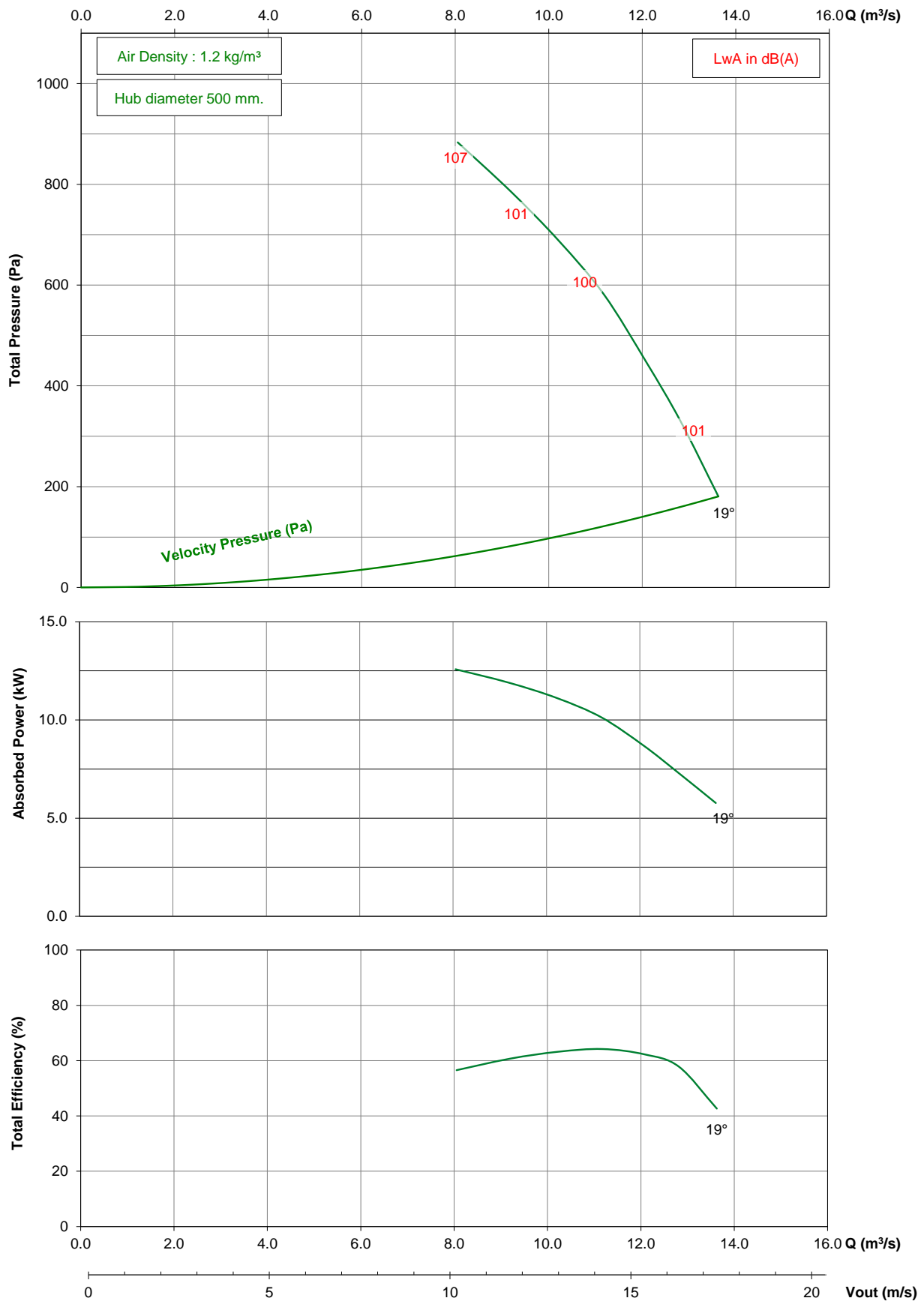
Total Efficiency $\eta = 63.52 \%$

Sound Power Level $L_{wA} = 94 \text{ dB(A)}$



KTF1000 / RB18 / H / 12-7V (Forward)

1450 rpm - 50 Hz

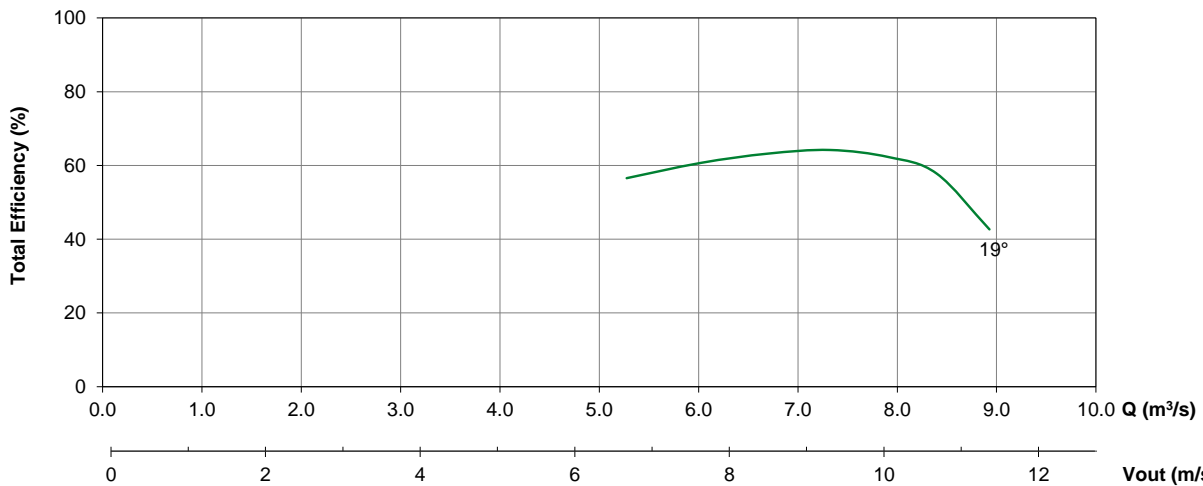
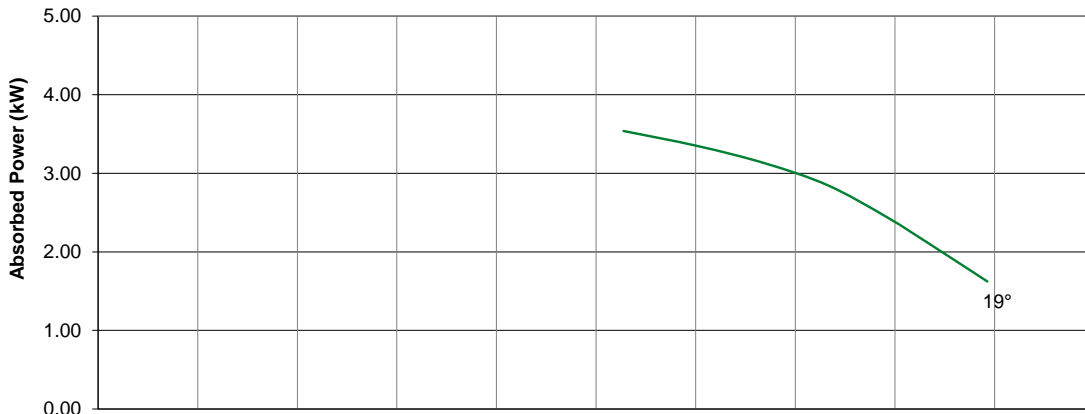
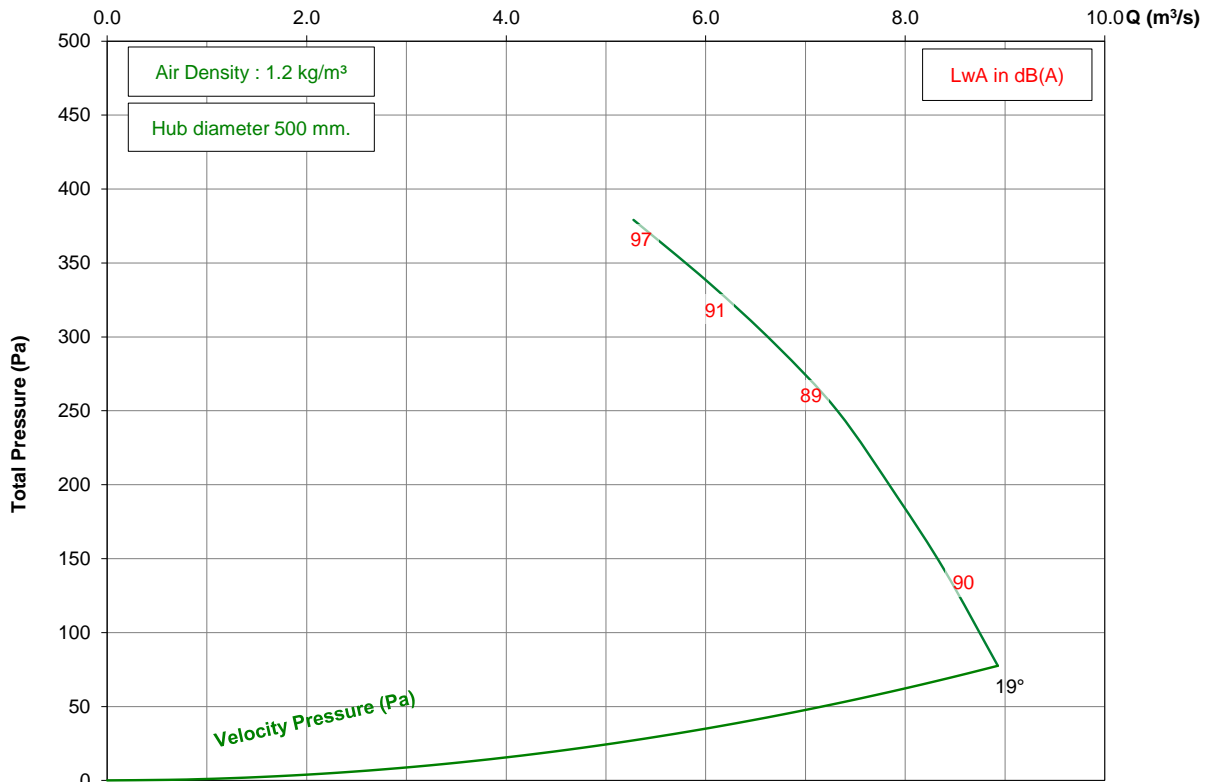


- Performance certified is for installation type D - ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lw(A) sound power levels for installation type D - ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

KTF1000 / RB18 / H / 12-7V (Forward)

950 rpm - 50 Hz

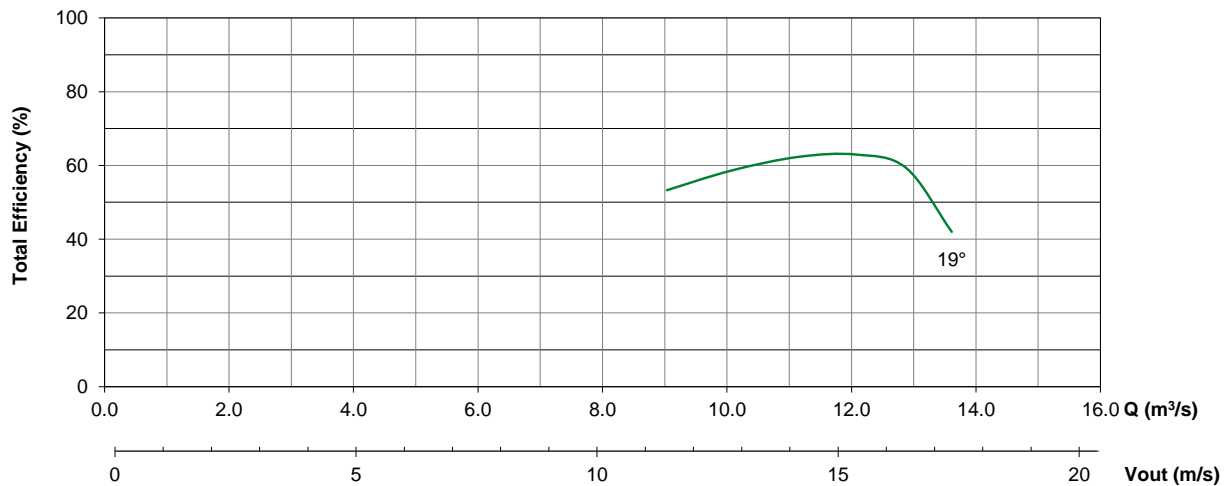
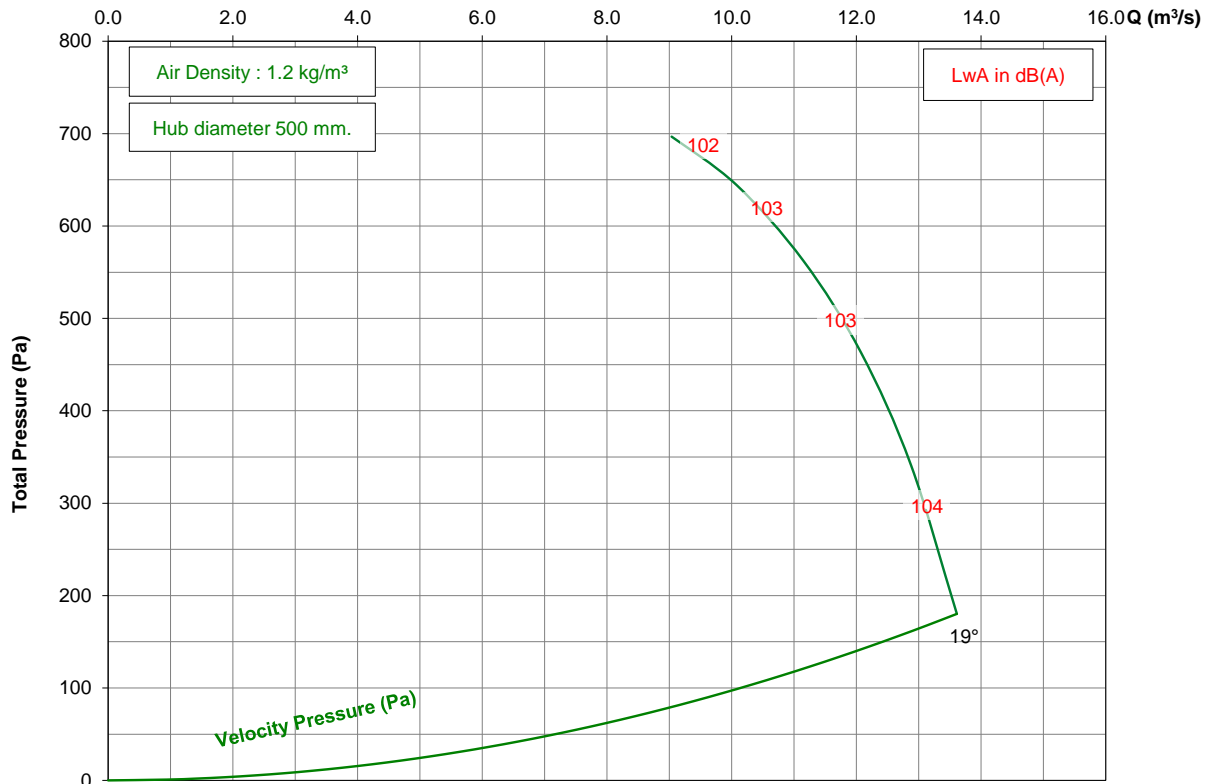


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KTF1000 / RB18 / H / 12-7V (Reverse)

1450 rpm - 50 Hz

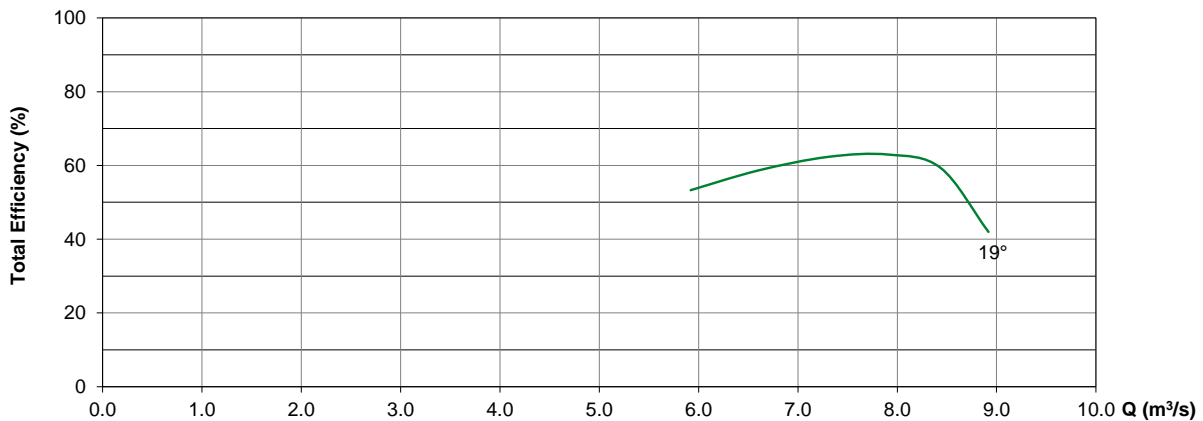
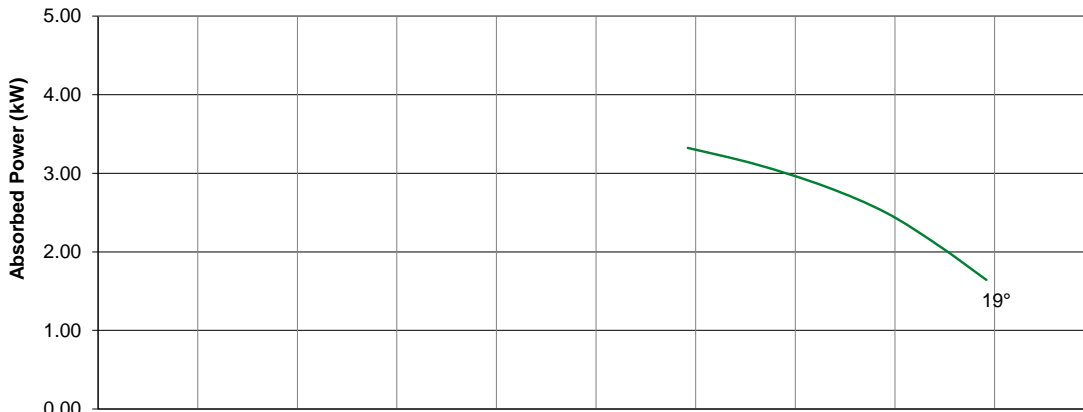
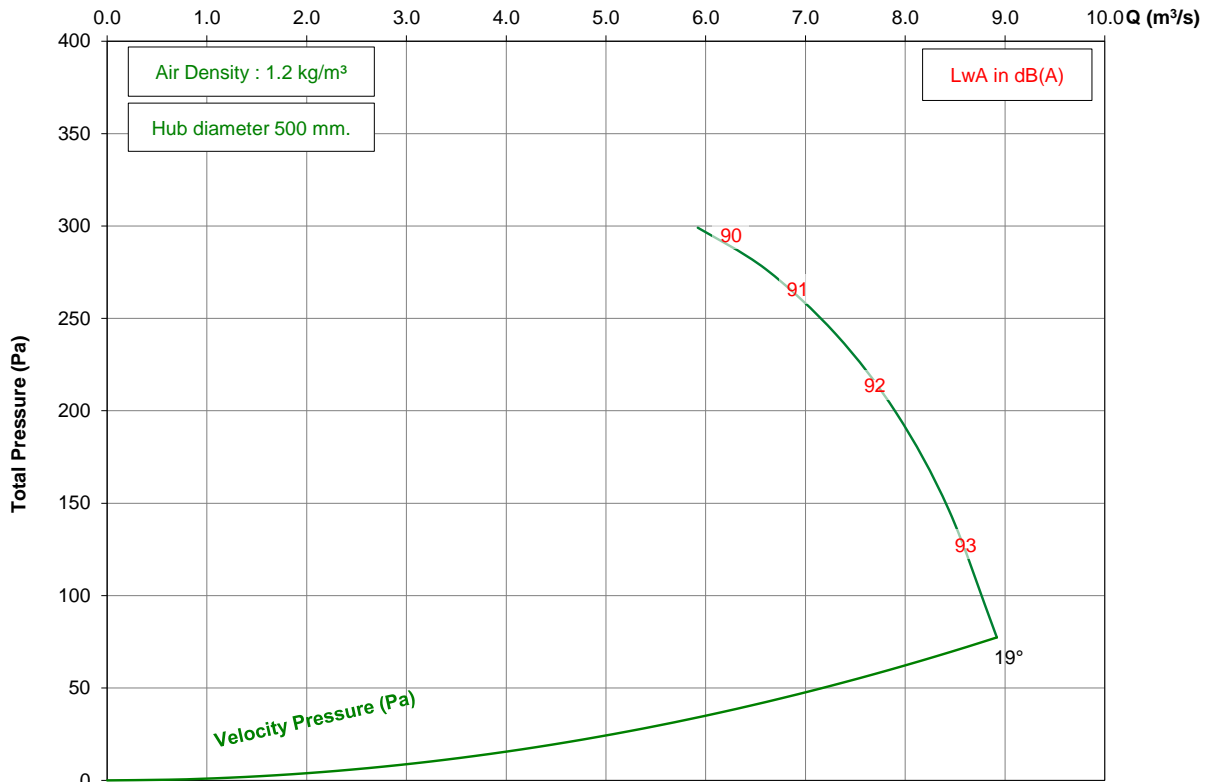


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KTF1000 / RB18 / H / 12-7V (Reverse)

950 rpm - 50 Hz



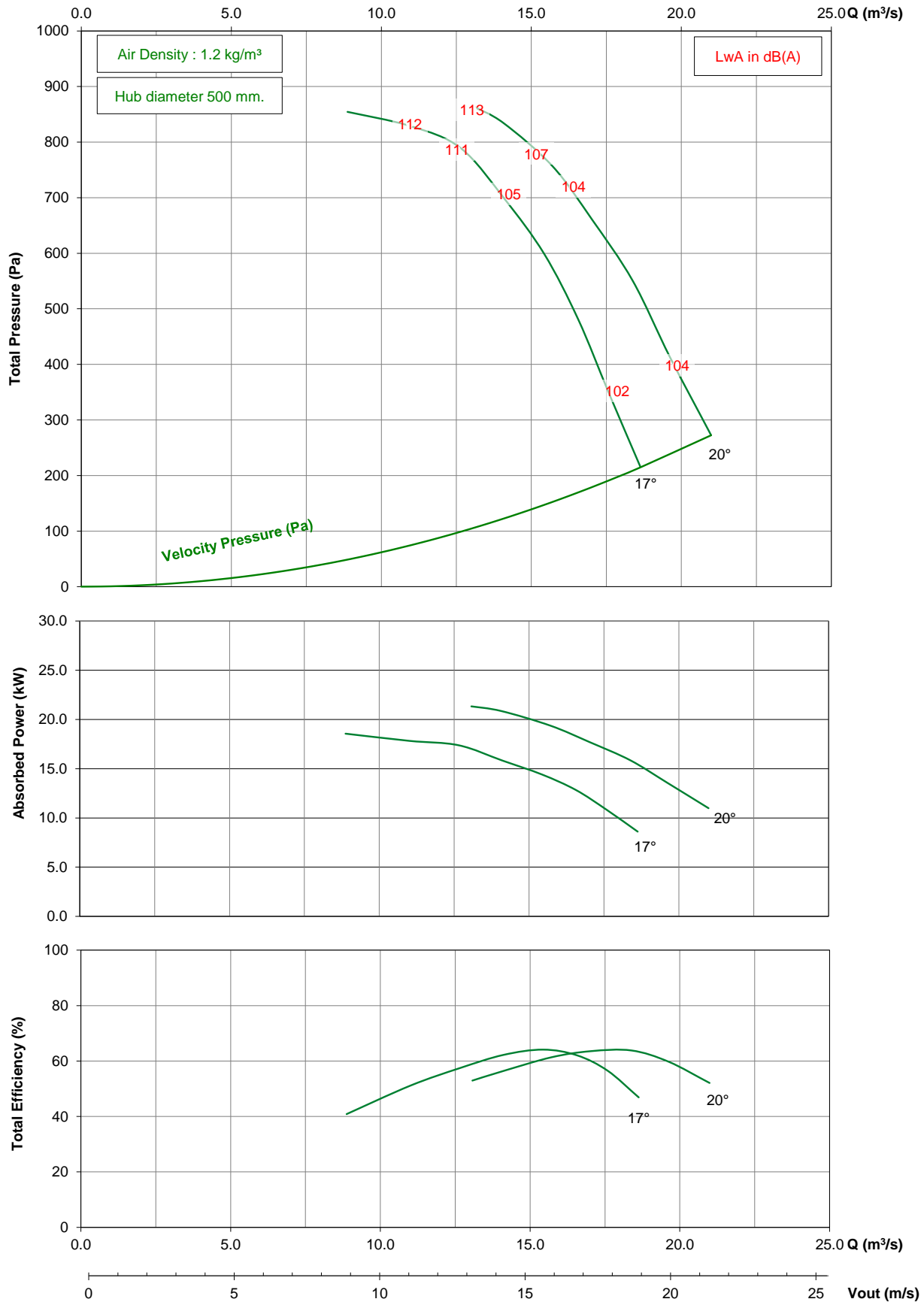
0 2 4 6 8 10 12 Vout (m/s)

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KTF1120 / RB20 / H / 12-7V (Forward)

1450 rpm - 50 Hz

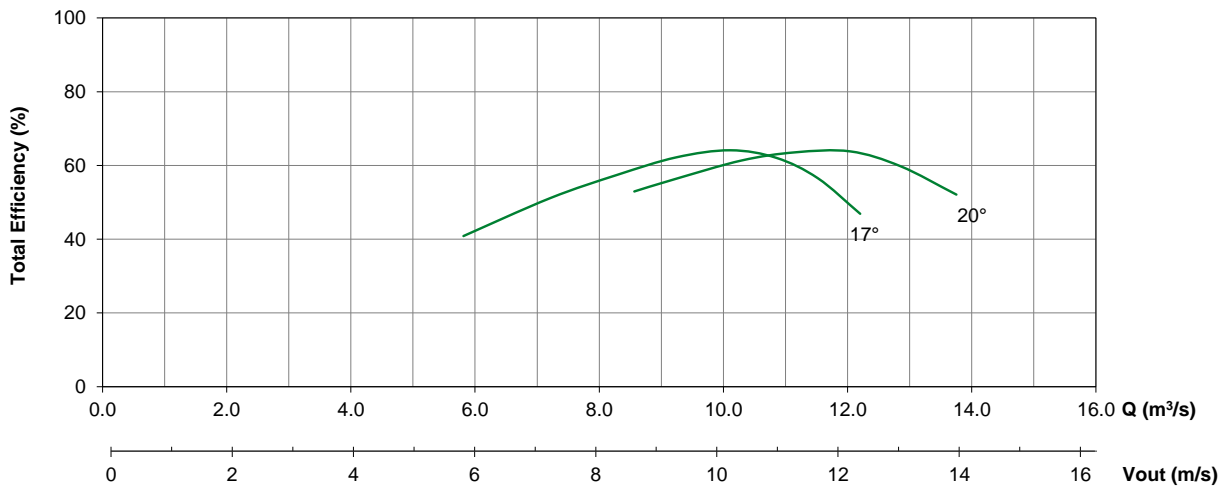
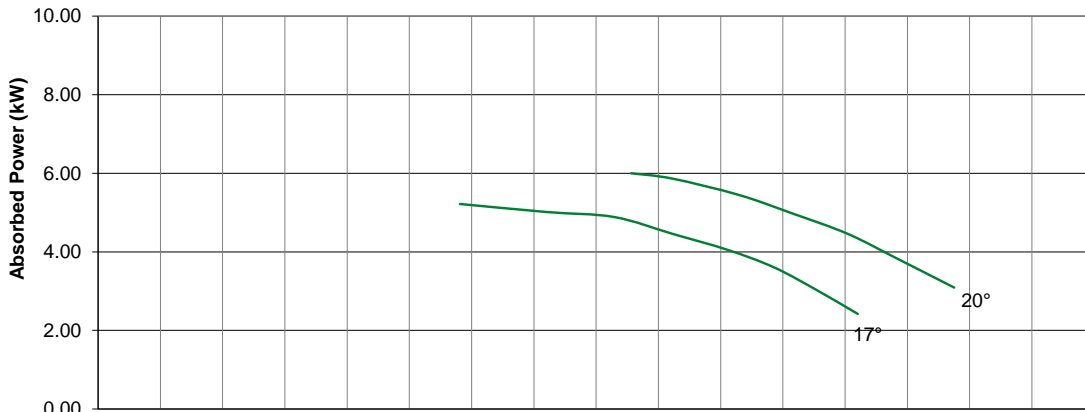
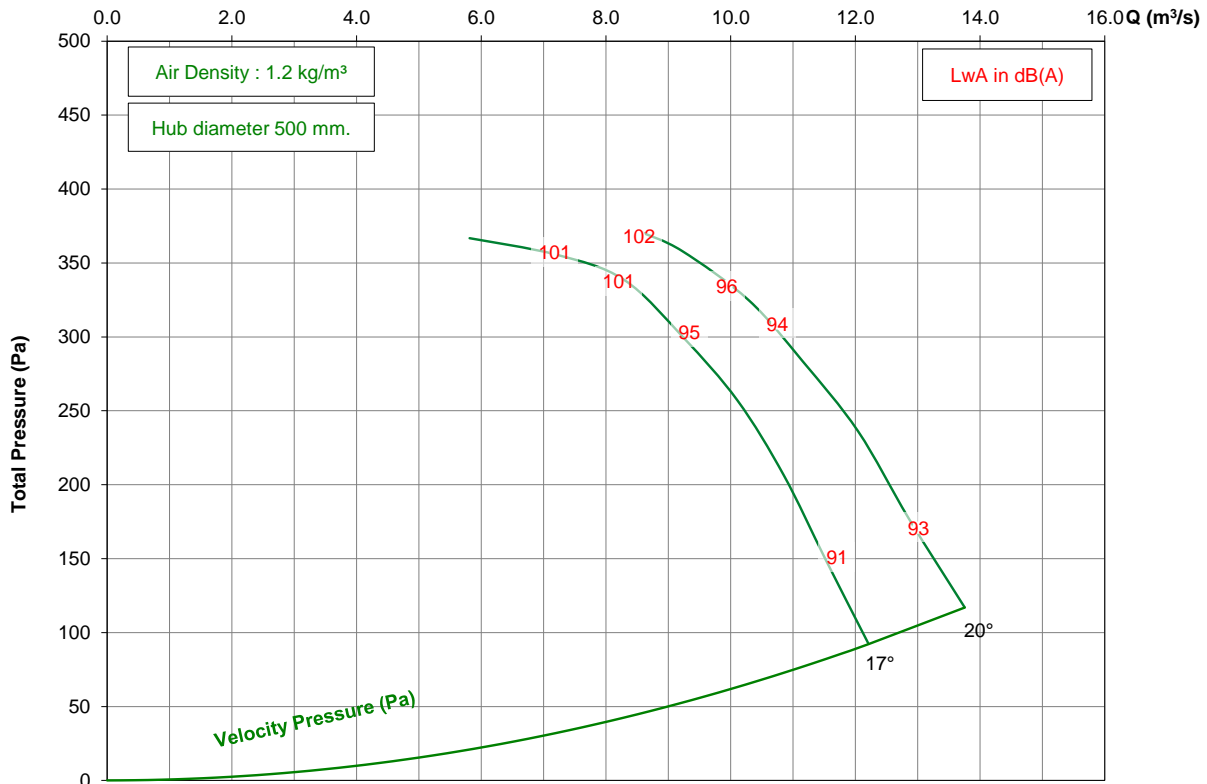


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KTF1120 / RB20 / H / 12-7V (Forward)

950 rpm - 50 Hz

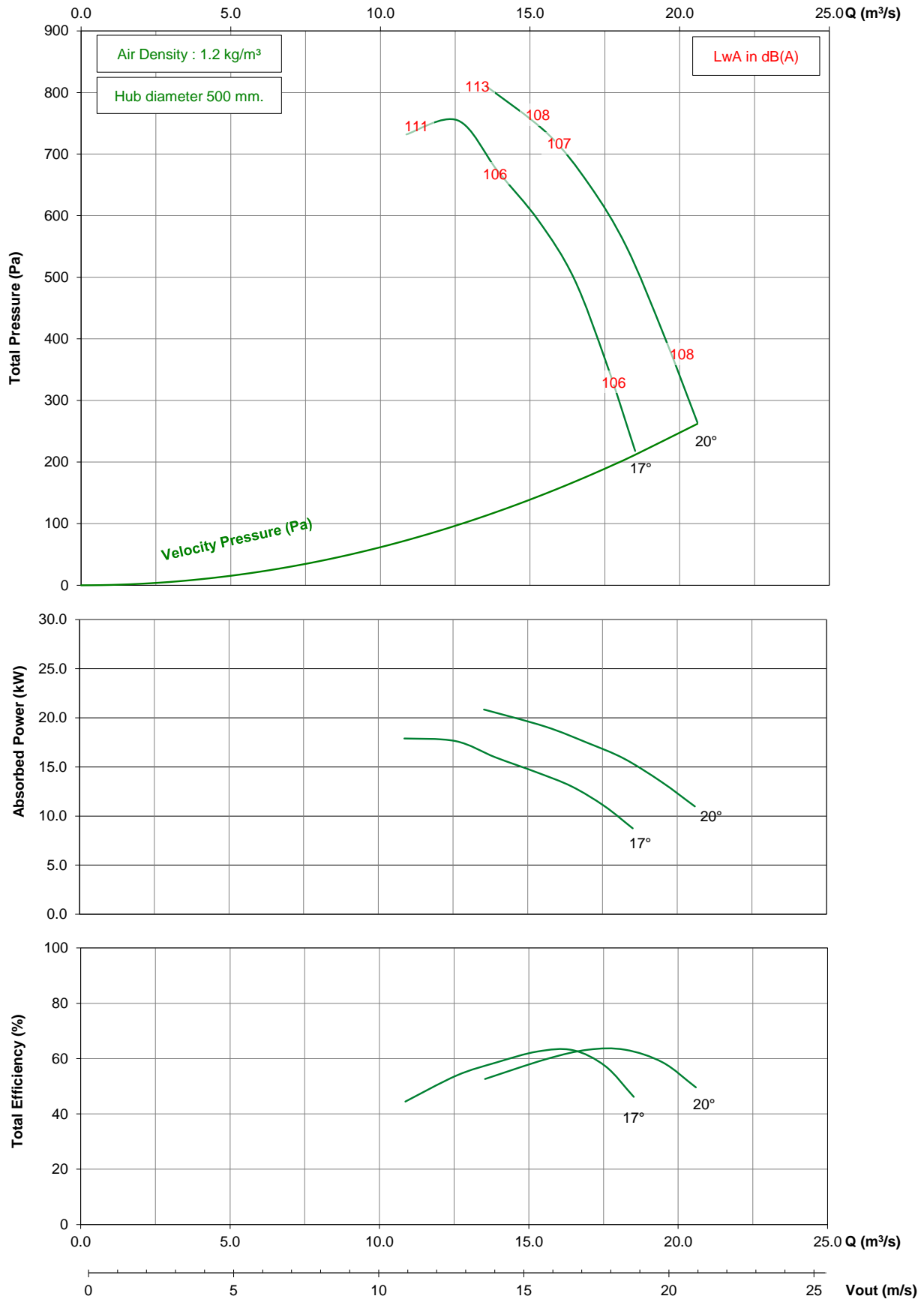


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KTF1120 / RB20 / H / 12-7V (Reverse)

1450 rpm - 50 Hz

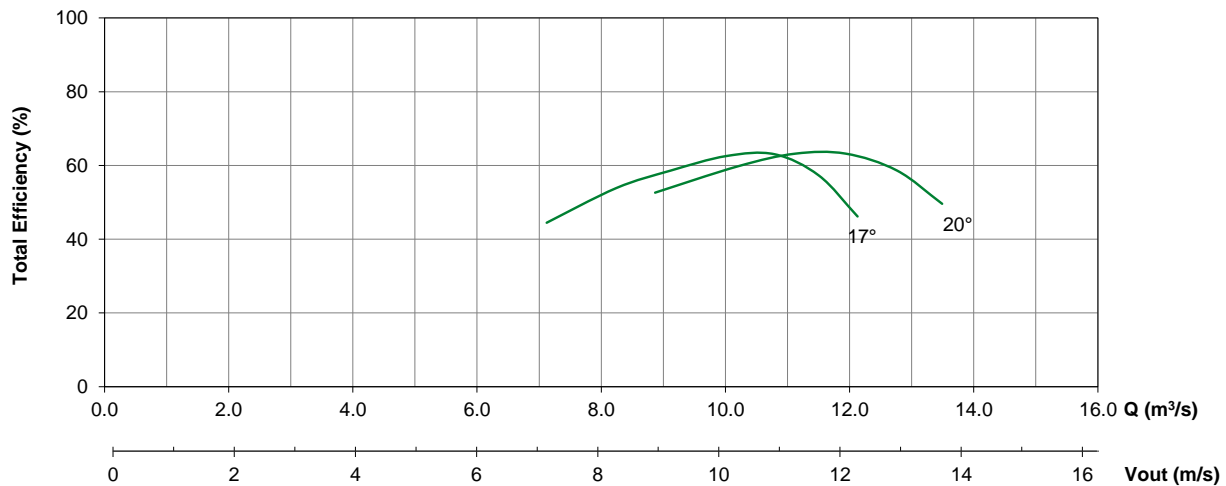
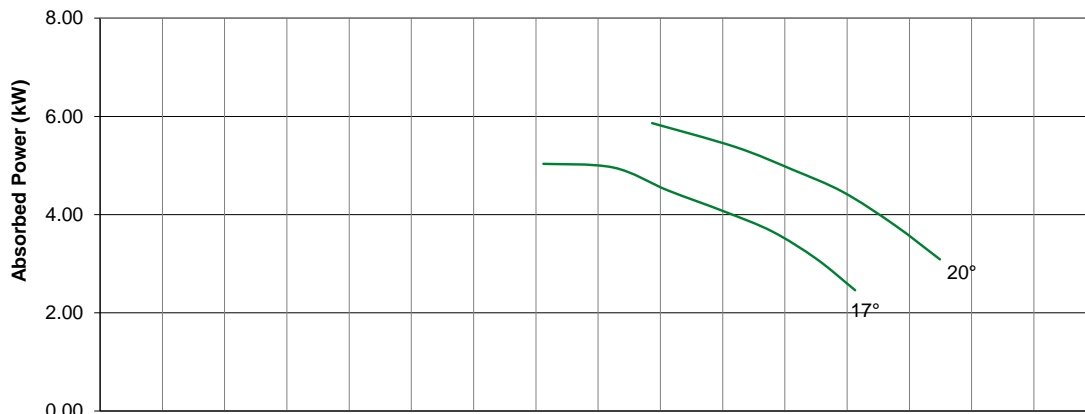
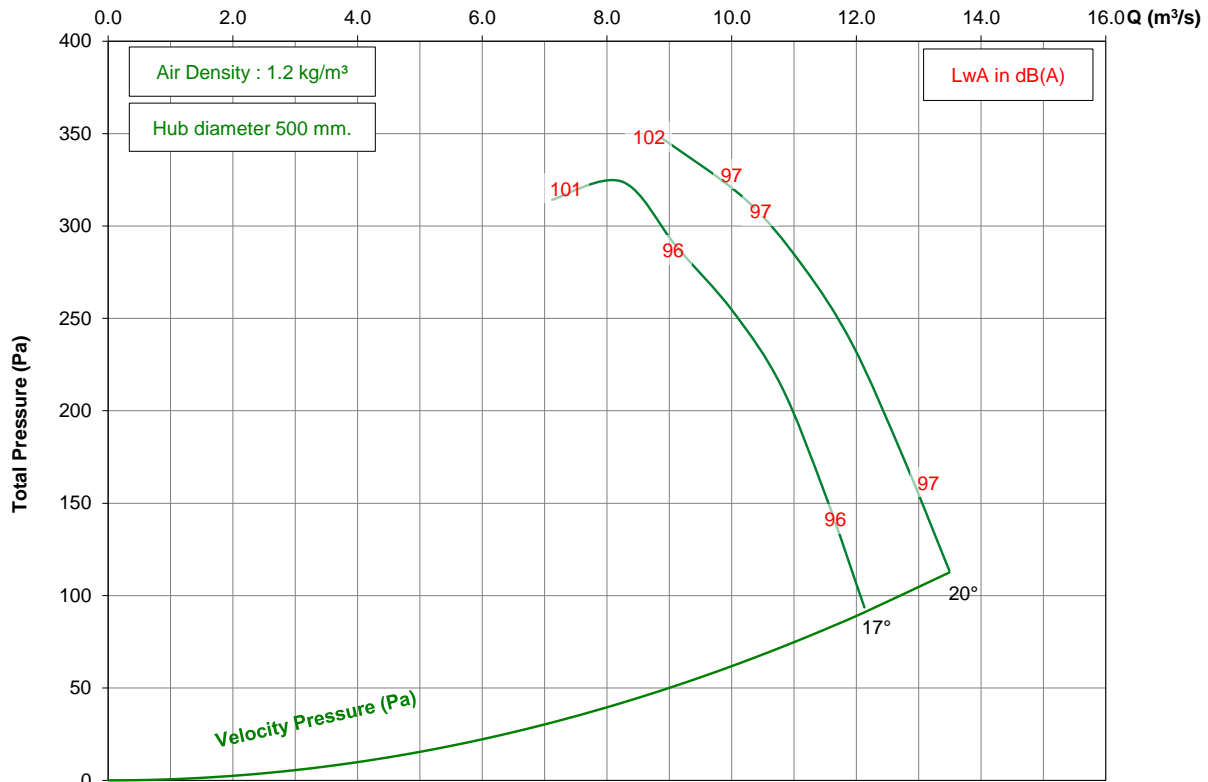


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KTF1120 / RB20 / H / 12-7V (Reverse)

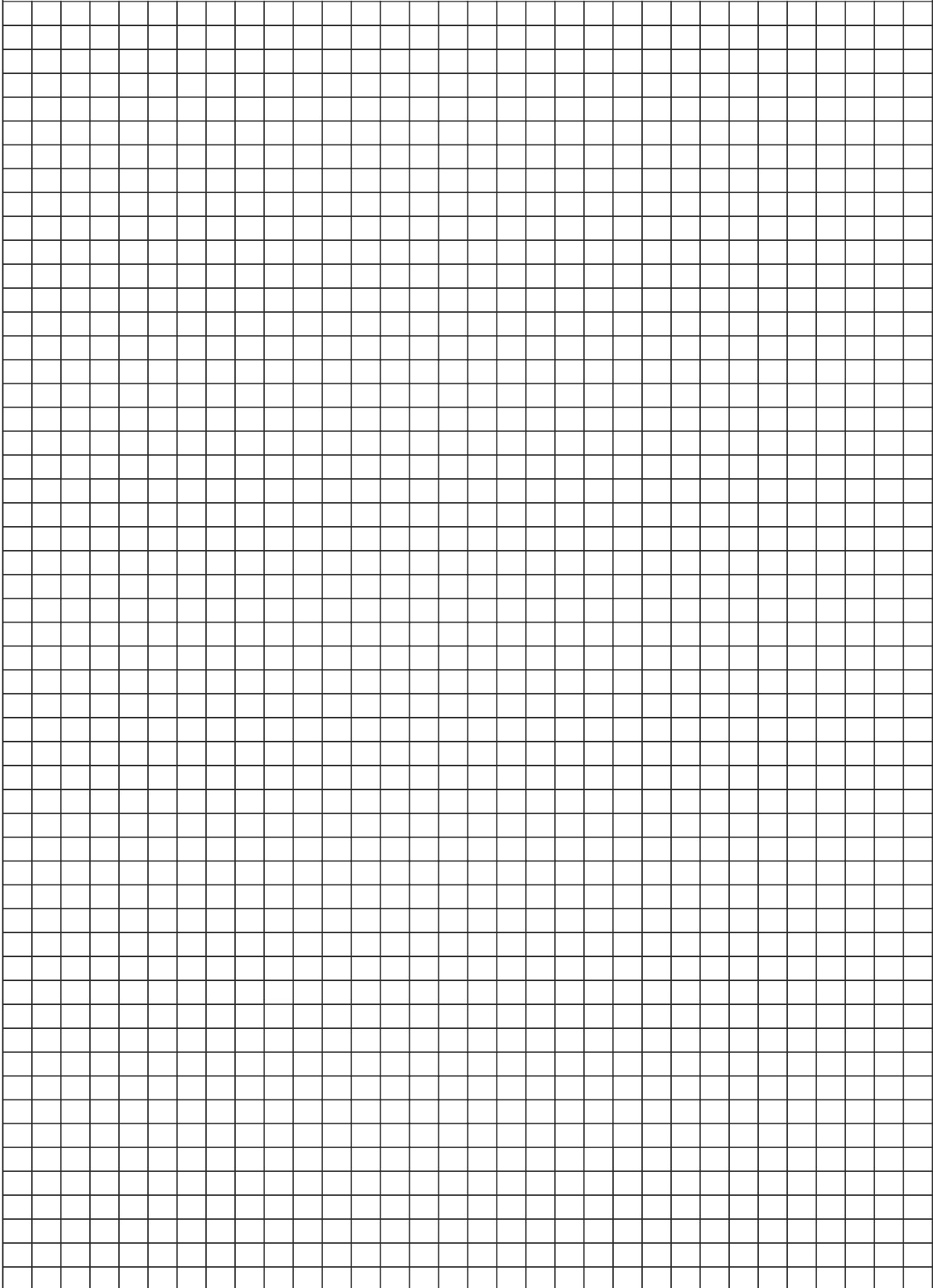
950 rpm - 50 Hz



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