KRUGER TDA Series Axial Flow Fan Direct Driven Instruction Manual

Contents

KRUGER

KRUGER TDA Series Axial Flow Fan Direct Driven

Specifications

Series TDA

- **Construction**
  Double flanged casing is produced in mild steed or galvanised steel, available in short and long cased. The impeller having manually adjustable pitch blades in made of PPG, PAG or Aluminium.
- **Finish**
  Painting or galvanised after manufacture are normal finishes on all parts.
- **Operating Temperature** -20oC to +55oC
- **Motors**
  Totally enclosed Class ‘F’ motor, to a min. IP54 protection are fitted as standard. Standard motor up to 2.2kW are usually supplied on DOL starting, motor 3.0kW and above are star/ delta starting.
- **Airflow Direction**
  Air flowing from impeller to motor (B) is fitted as standard. Air fowing from motor to impeller (A) can be supplied on request.

Product Usage Instructions

Kruger* certifes that the TDA 315/12AA/5-5 (145) 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 comply with the requirements of the AMCA Certifiifed Ratings Program.

*Kruger Ventilation Industries Asia Co., Ltd.

*Kruger Ventilation Industries (Thailand) Co., Ltd.

*Kruger Ventilation (Taiwan) Co., Ltd.

*Guangzhou Kruger Ventilation Co., Ltd.

*Shanghai Kruger Ventilation Co., Ltd.

*Wuhan Kruger Ventilation Co., Ltd.

*Kruvent Industries (M) Sdn Bhd

*PT Kruger Ventilation Indonesia

*Kruger Ventilation Industries (India) Pvt. Ltd.

*Kruger M&E Industries Corporation

*Tianjin Kruger Ventilation Co., Ltd.

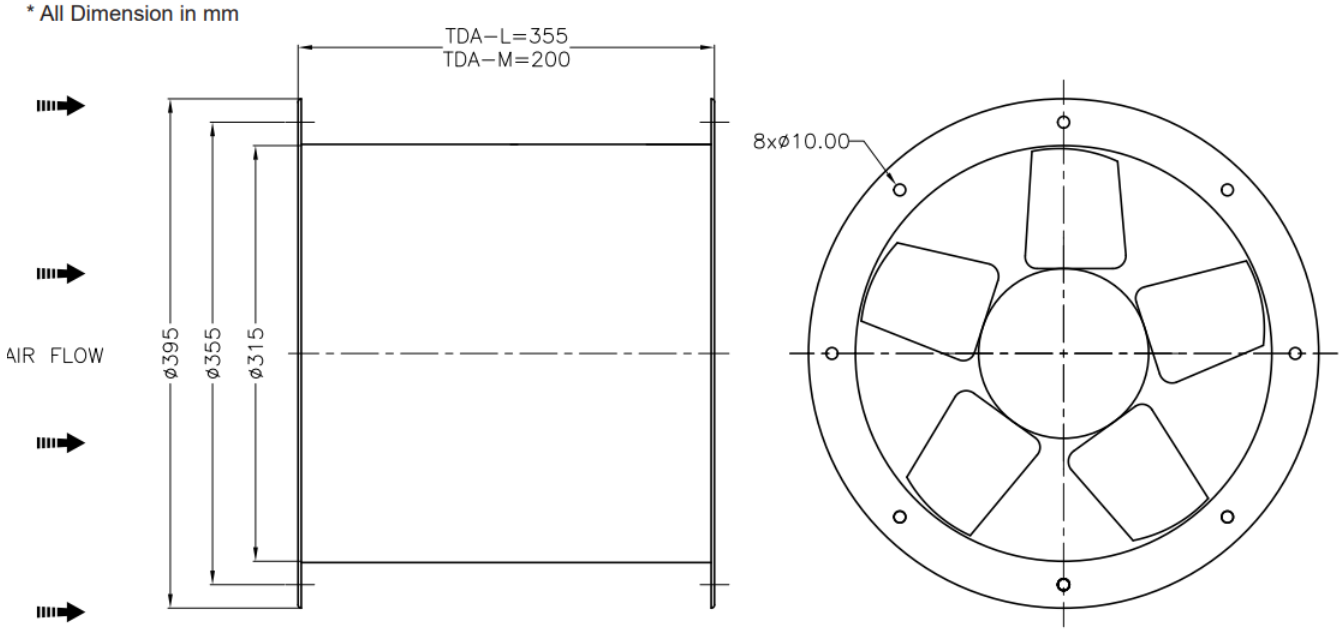
Dimension

MODEL: TDA-315/12AA/5-5/__(145)

MODEL: TDA-315/12AA/5-5/__(145)

Blade angle

* All Dimension in mm



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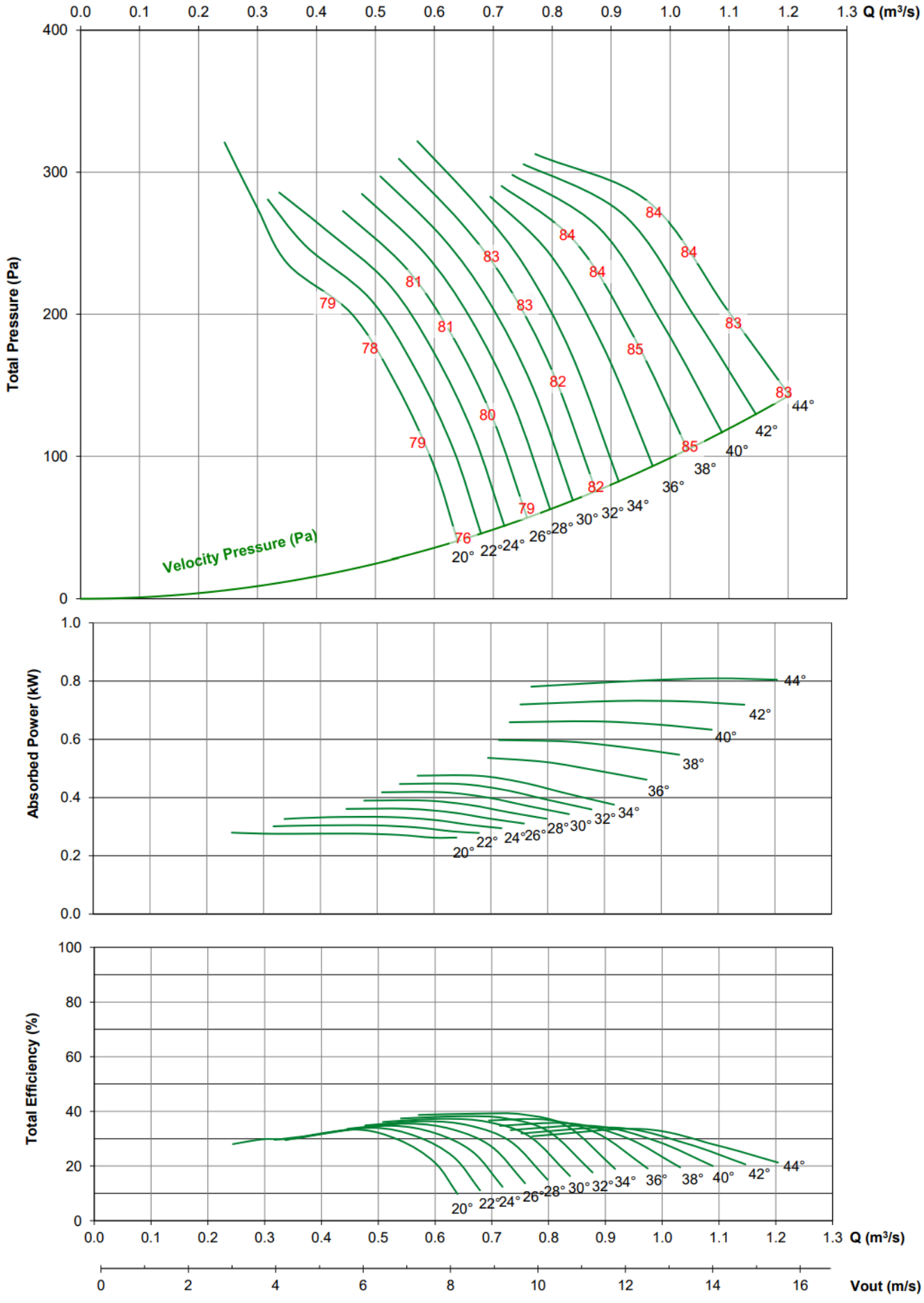
TDA 315/12AA/5-5 (145)
2850 rpm – 50 Hz

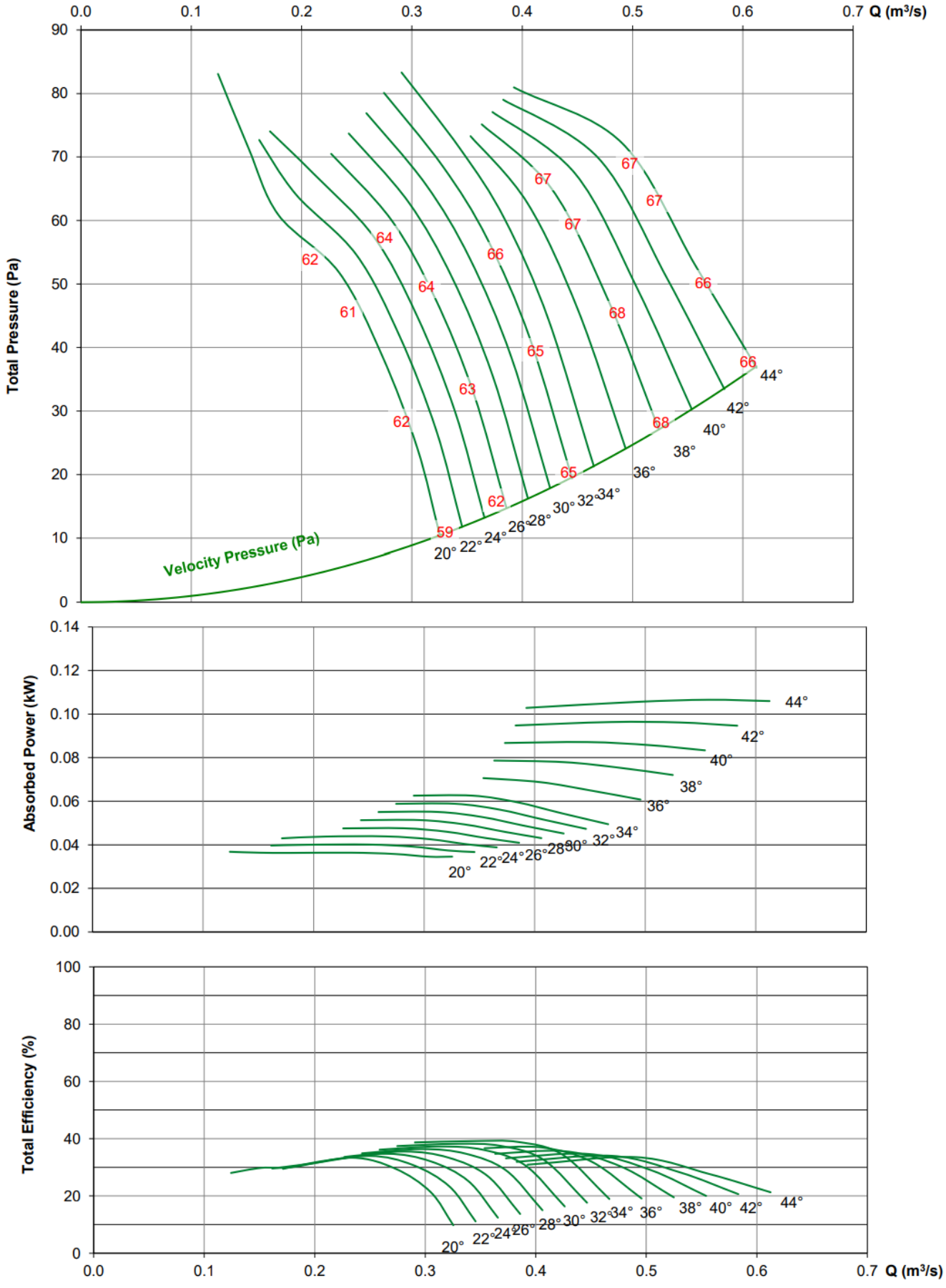


- Performance certified is for installation type D – ducted inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values

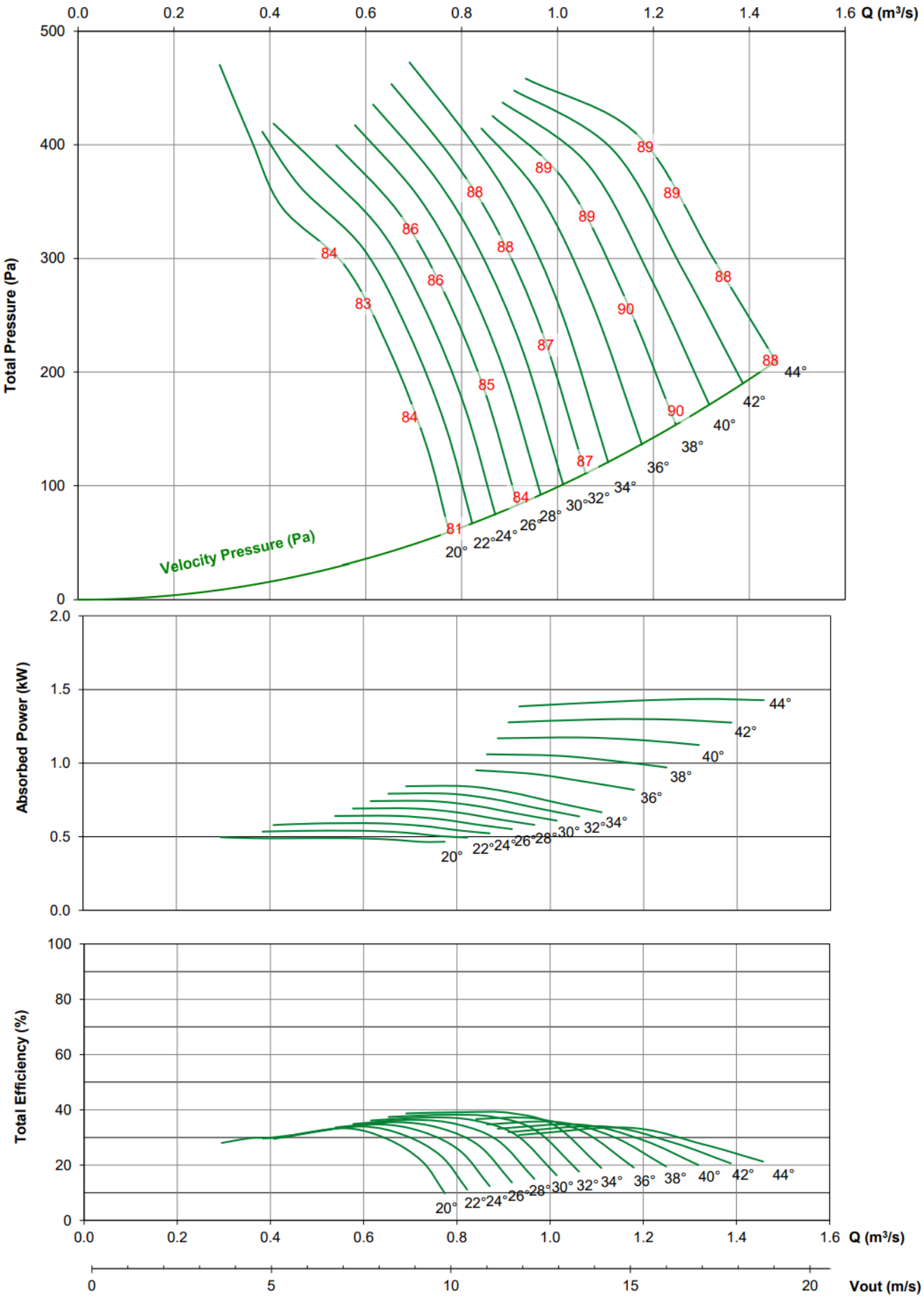
shown are for inlet Lwi(A) sound power levels for installation type D – ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

- The AMCA Certified Ratings Seal applies to air performance only.

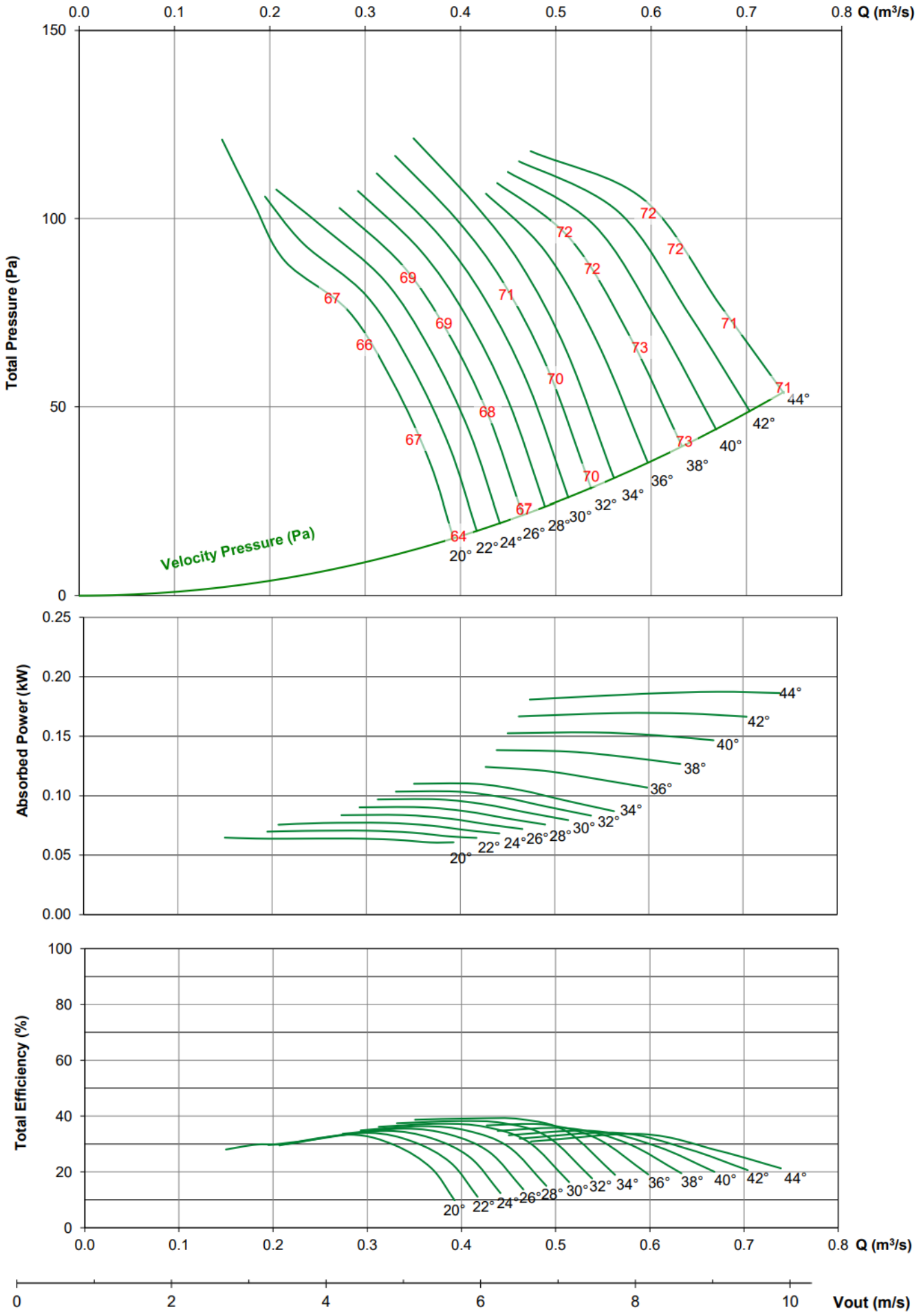
TDA 315/12AA/5-5 (145)
1450 rpm – 50 Hz



TDA 315/12AA/5-5 (145)
3450 rpm – 60 Hz



TDA 315/12AA/5-5 (145)
1750 rpm – 60 Hz



Installation

1. Choose a suitable location for the fan with proper ventilation.
2. Securely mount the fan using appropriate fixtures.
3. Ensure proper electrical connection as per the provided manual.

Operation

- Turn on the fan using the designated switch.
- Adjust the airflow direction if needed.
- Monitor the temperature to ensure it stays within the operating range.

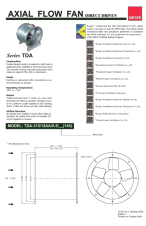
Maintenance

1. Regularly clean the impeller and casing to prevent dust buildup.
2. Check for any unusual noises or vibrations during operation.
3. Inspect the motor and electrical connections periodically for signs of wear.

FAQ

- **Q: What is the recommended operating temperature range for the fan?**
  A: The fan is designed to operate within a temperature range of -20°C to +55°C.
- **Q: Can the airflow direction be changed?**
  A: Yes, the standard airflow direction is from impeller to motor (B), but it can be reversed to flow from motor to impeller (A) upon request.
- **Q: What materials are used for the impeller blades?**
  A: The impeller blades are made of PPG, PAG, or Aluminium depending on the model.

Documents / Resources

	KRUGER TDA Series Axial Flow Fan Direct Driven [pdf] Instruction Manual TDA-315-12AA-5-5, 145, TDA Series Axial Flow Fan Direct Driven, TDA Series, Axial Flow Fan Direct Driven, Flow Fan Direct Driven, Direct Driven

References

- User Manual