

HUMIDIN



A.C.HUMIDIN AIR SYSTEMS PVT LTD. certifies that the Axial Flow Fan Model HTX 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.



BS 7346: Part 2: 1990 on Axial, Smoke and Heat Exhaust Fan,
Exova (UK) Ltd 1st Indian Fire Rated Certified Company,
Dated: 25th Feb '10

Axial Flow Fan
Quality speaks for itself

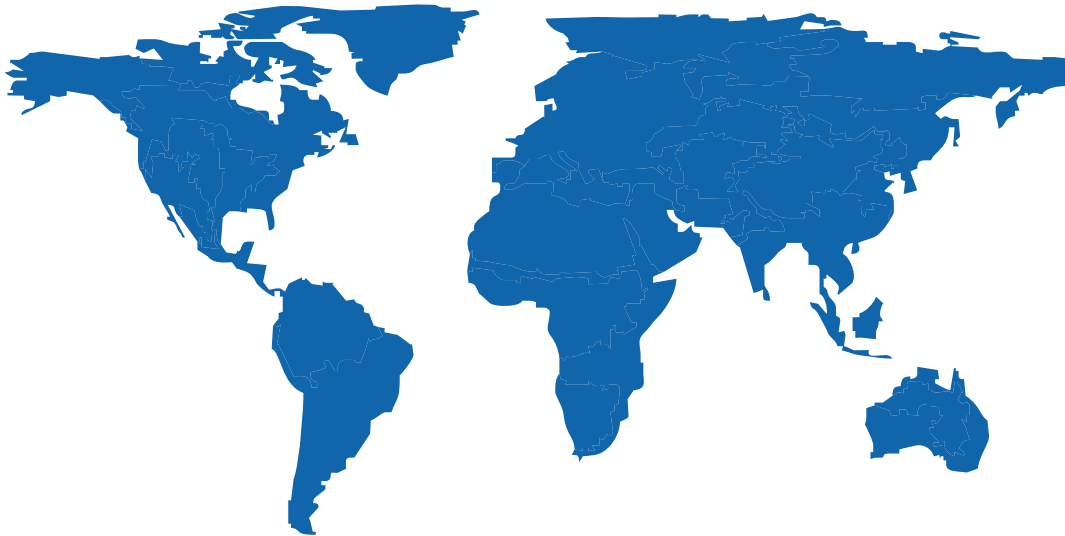


When Quality Speaks For Itself

As a leading manufacturer of Axial Flow Fan, today HUMIDIN enjoys an an enviable position in customer mind-space.

HUMIDIN boasts of a modern plant & a talented team of qualified professionals who sets an exacting standards of quality for themselves.

In sum, HUMIDIN stands for quality & customer satisfaction that are instrumental bringing them on par with what the world calls the world class.





Axial Flow Fan

HUMIDIN-Axial Flow Fan are used for providing general ventilation, fume exhaust and removal of hot spots and can be as roof extractor & bifurcated fan

TYPE

- General Ventilation Purpose.
- Fire rated application & smoke exhaust

DUTIES

HUMIDIN-Axial flow-fans are specially manufactured for all applications and mounting positions in case sizes 500 to 1600 mm diameter. However small sizes fan from 300 to 450 dia can also be available on request. The performance range is from 1000 to 150000 m³ /h on air volume, at static pressure up to 1500 Pa (150mmWG).

CASING

The Casing is fabricated from mild steel sheets & plates and fitted with Flanges on both the ends. Fans are available in following mounting arrangements.

MOTOR

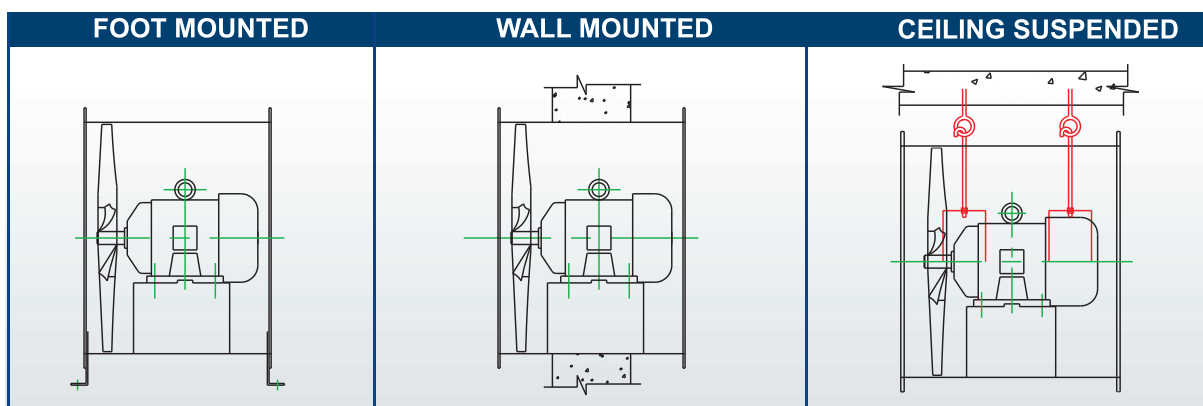
The standard A.C motors are totally enclosed fan cooled (TEFC), squirrel cage induction type suitable for ambient temperature upto 40°C, flame proof, vapour tight and other motors like class H and high temperature motors can be supplied on request.

DRIVING ARRANGEMENTS

There are two types of drives – The direct drive arrangement or V – Belt drive arrangement. We can provide coupling drive arrangement on request.

APPLICATIONS

- General Ventilation
- Fume Exhaust
- Removal hot spots
- As Roof Extractor
- As Bifurcated Fan
- Basement Ventilation
- Kitchen Exhaust
- Parking Ventilation
- Tunnel Ventilation
- Generator Ventilation
- Air Conditioning
- Humidification
- In line applications
- Man cooler

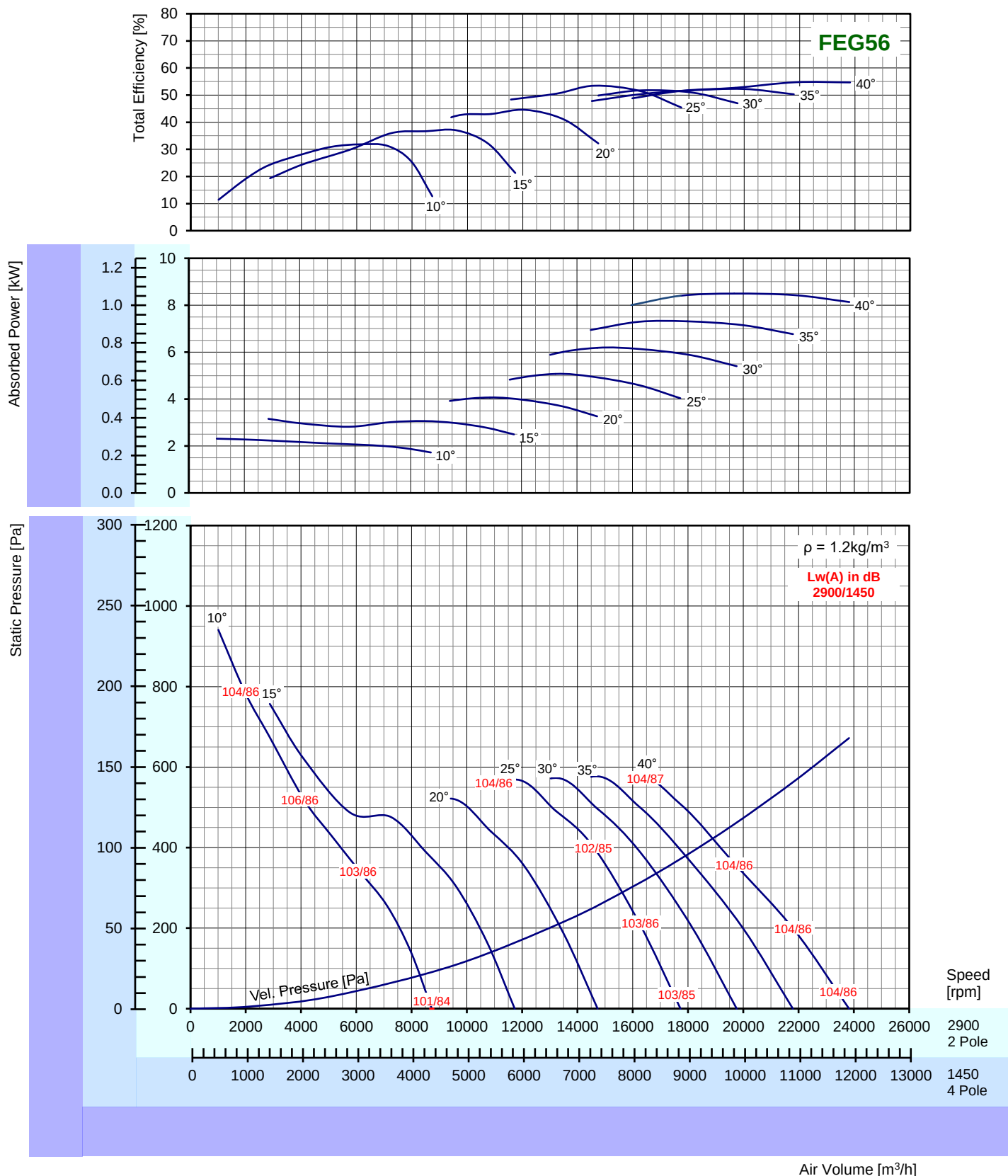


IMPELLER

HUMIDIN-impellers, hubs and blades are made of die cast aluminium alloy, the aerodynamic profile guarantees high efficiency and low noise. The hub is fitted with taper bush assembly for easy fitting on motors and is easy in maintenance. The blades are with adjustable pitch angle to optimise the duty point.

HTX-500-150-6

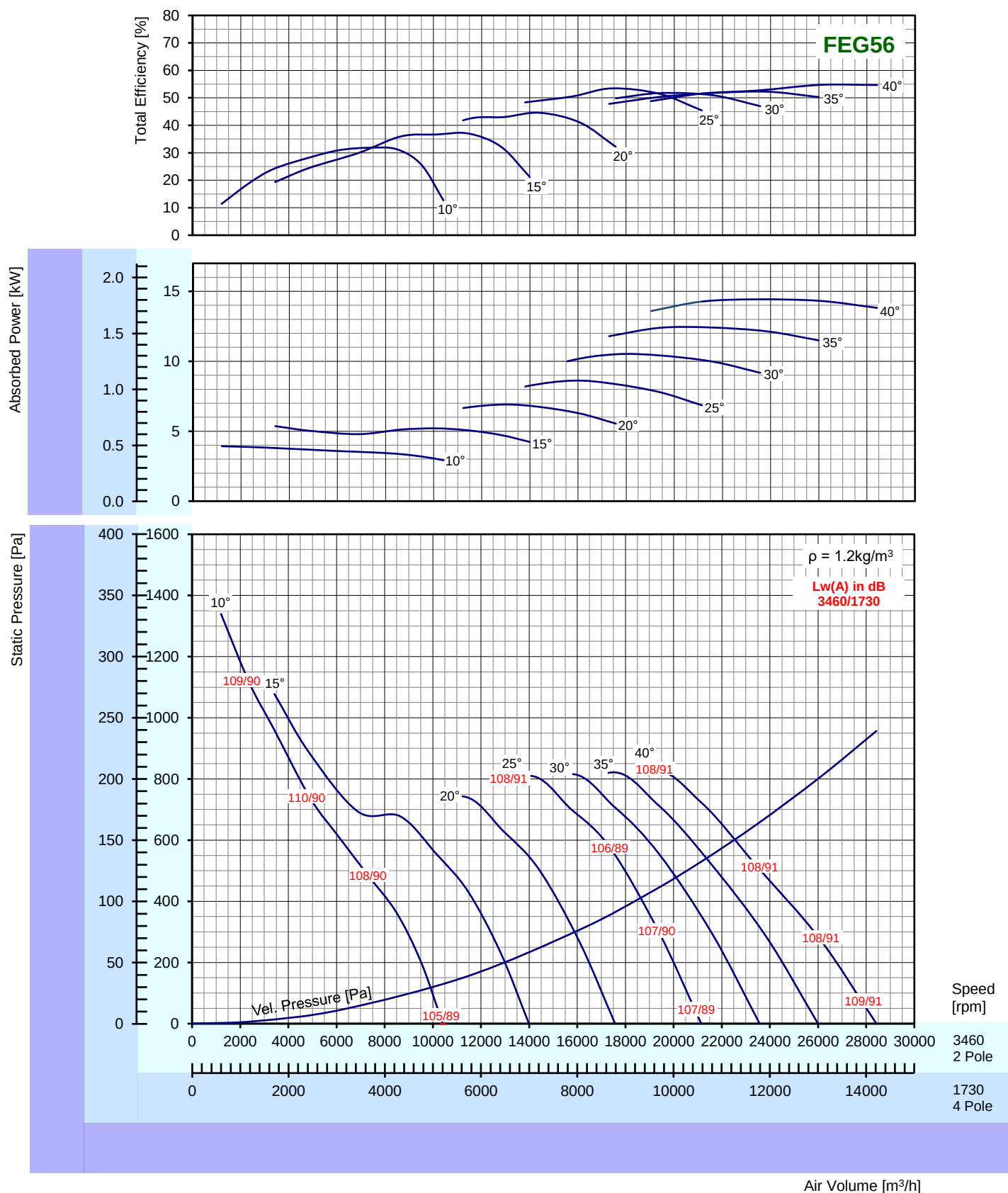
50Hz



* 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.

HTX-500-150-6

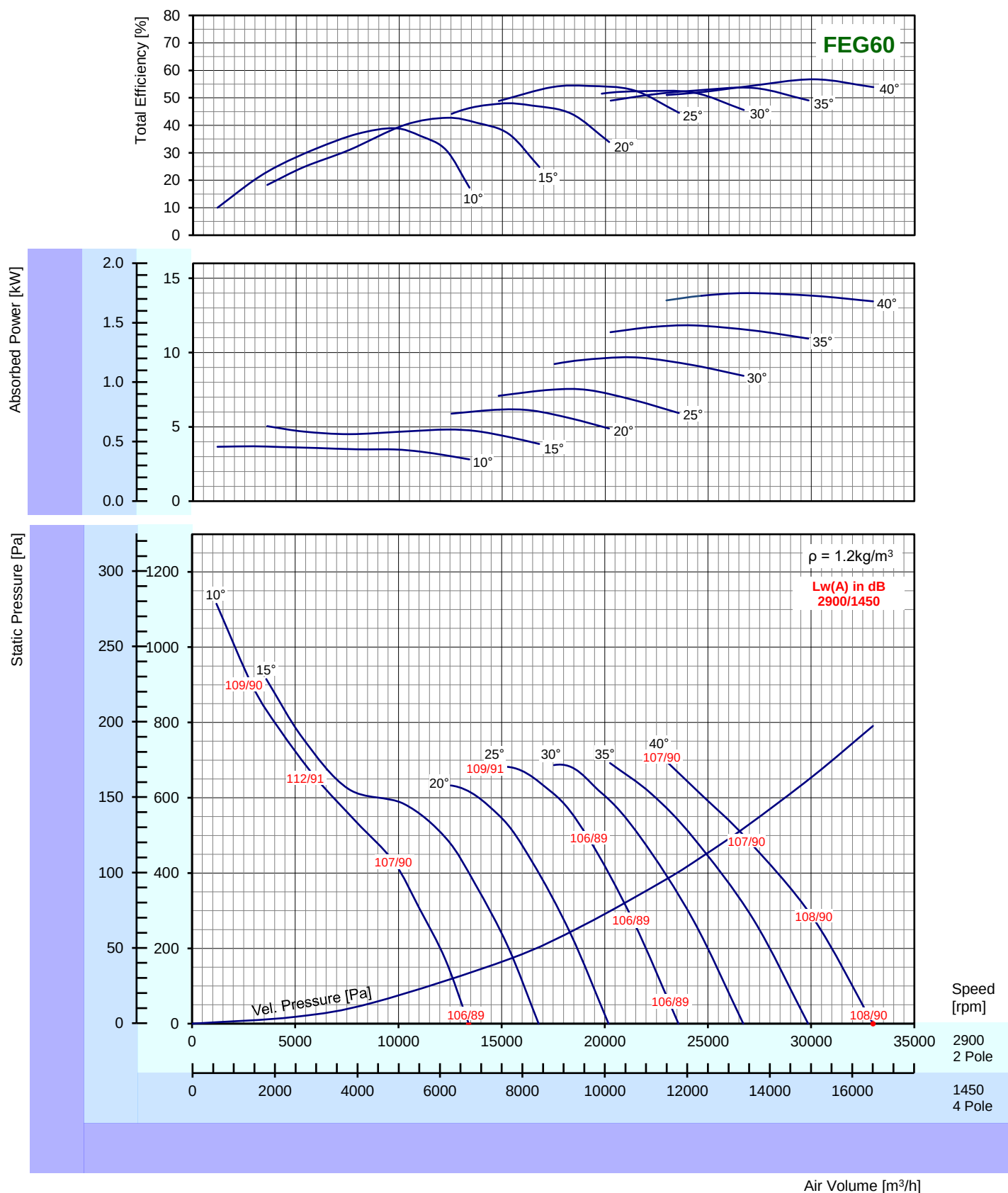
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HTX-560-150-6

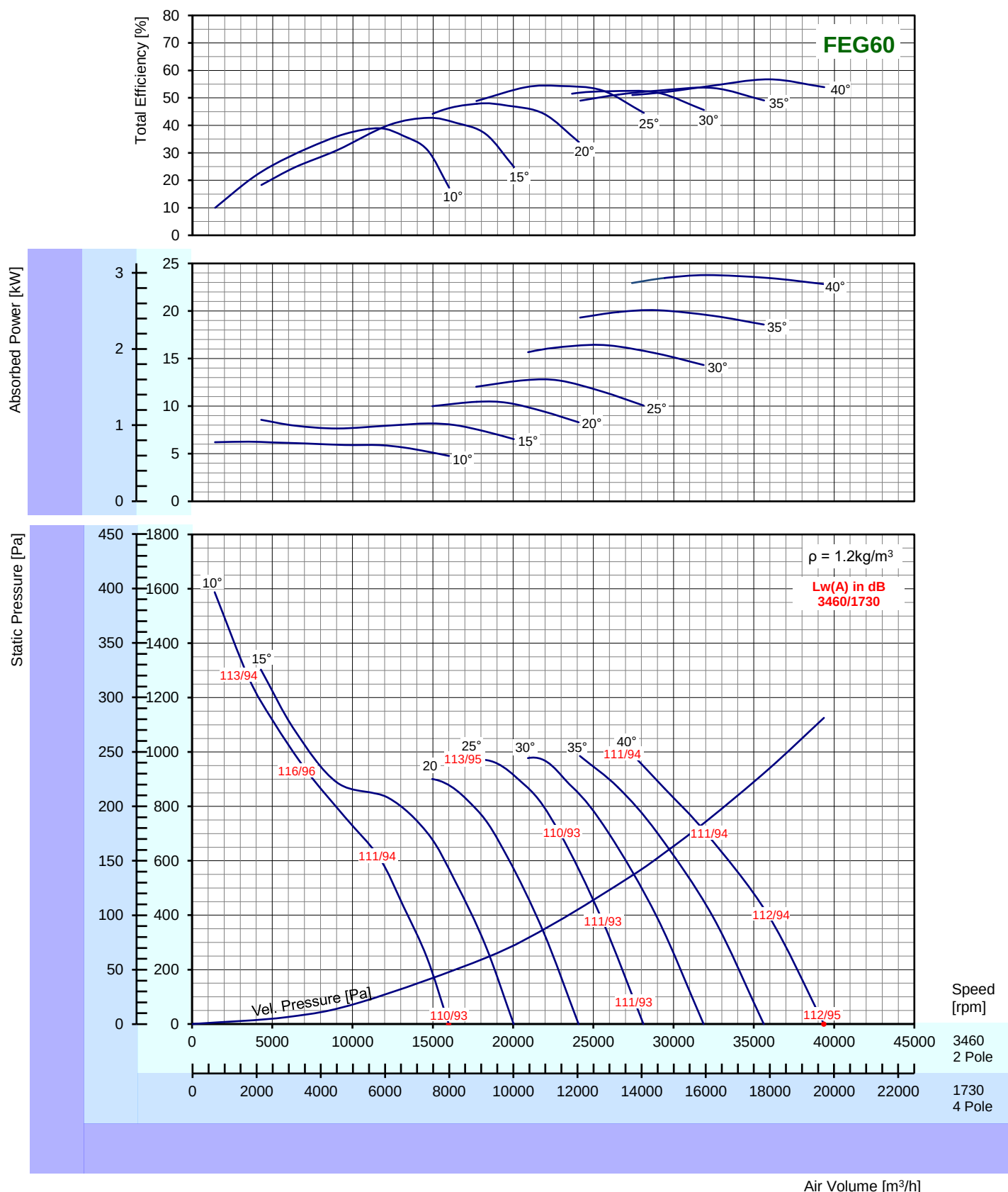
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HTX-560-150-6

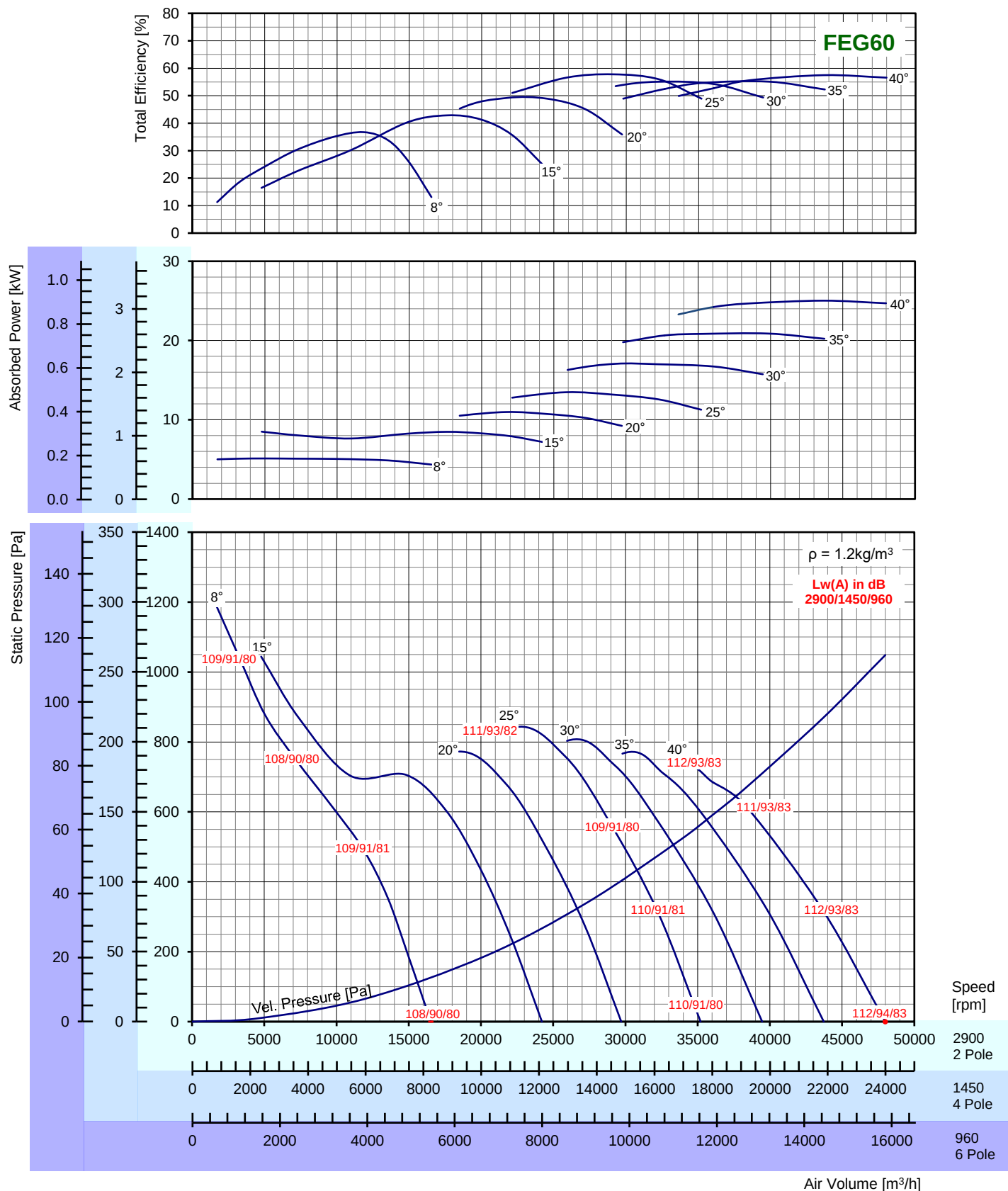
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HTX-630-150-6

50Hz



Air Volume [m³/h]

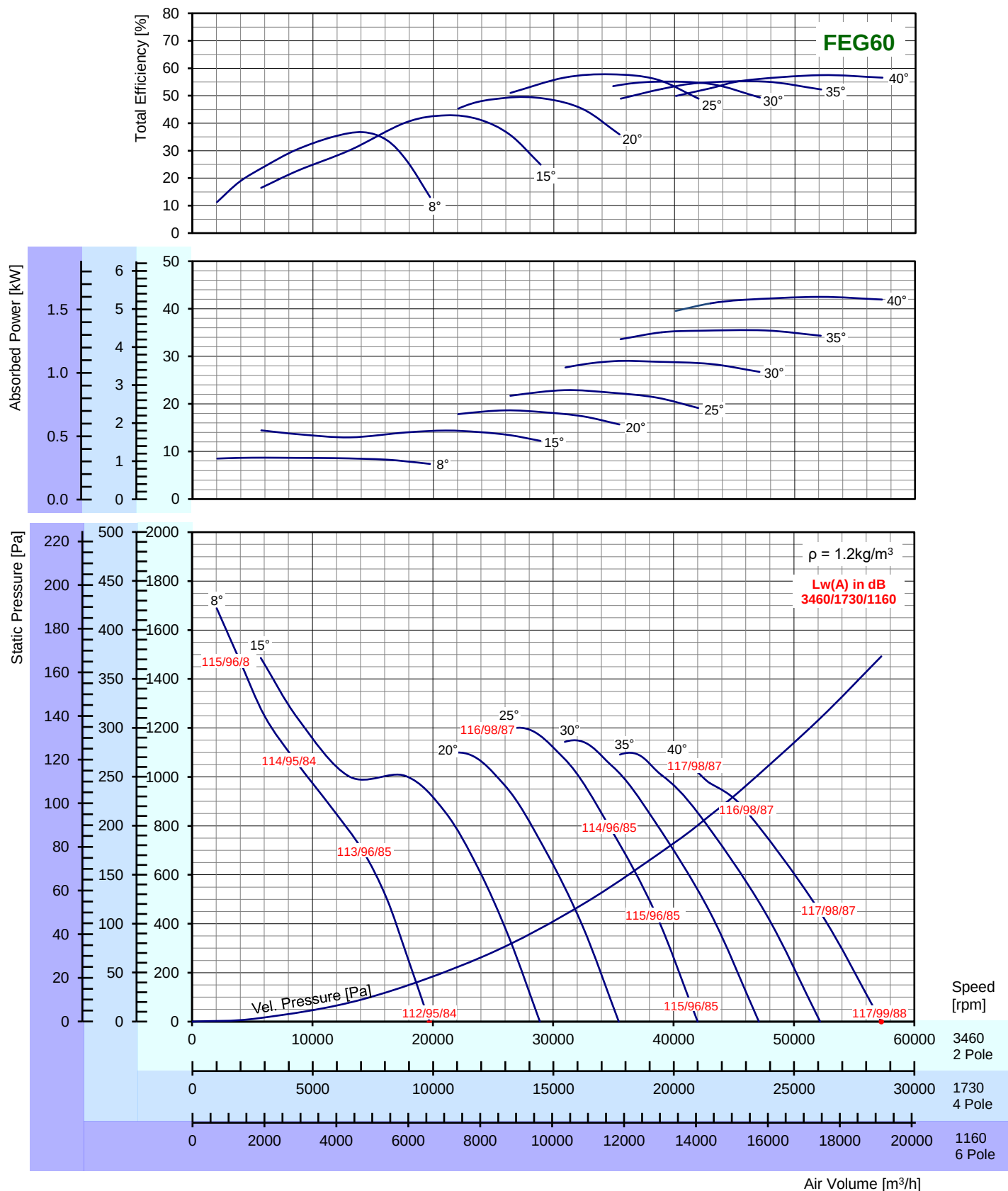
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

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HTX-630-150-6

60Hz



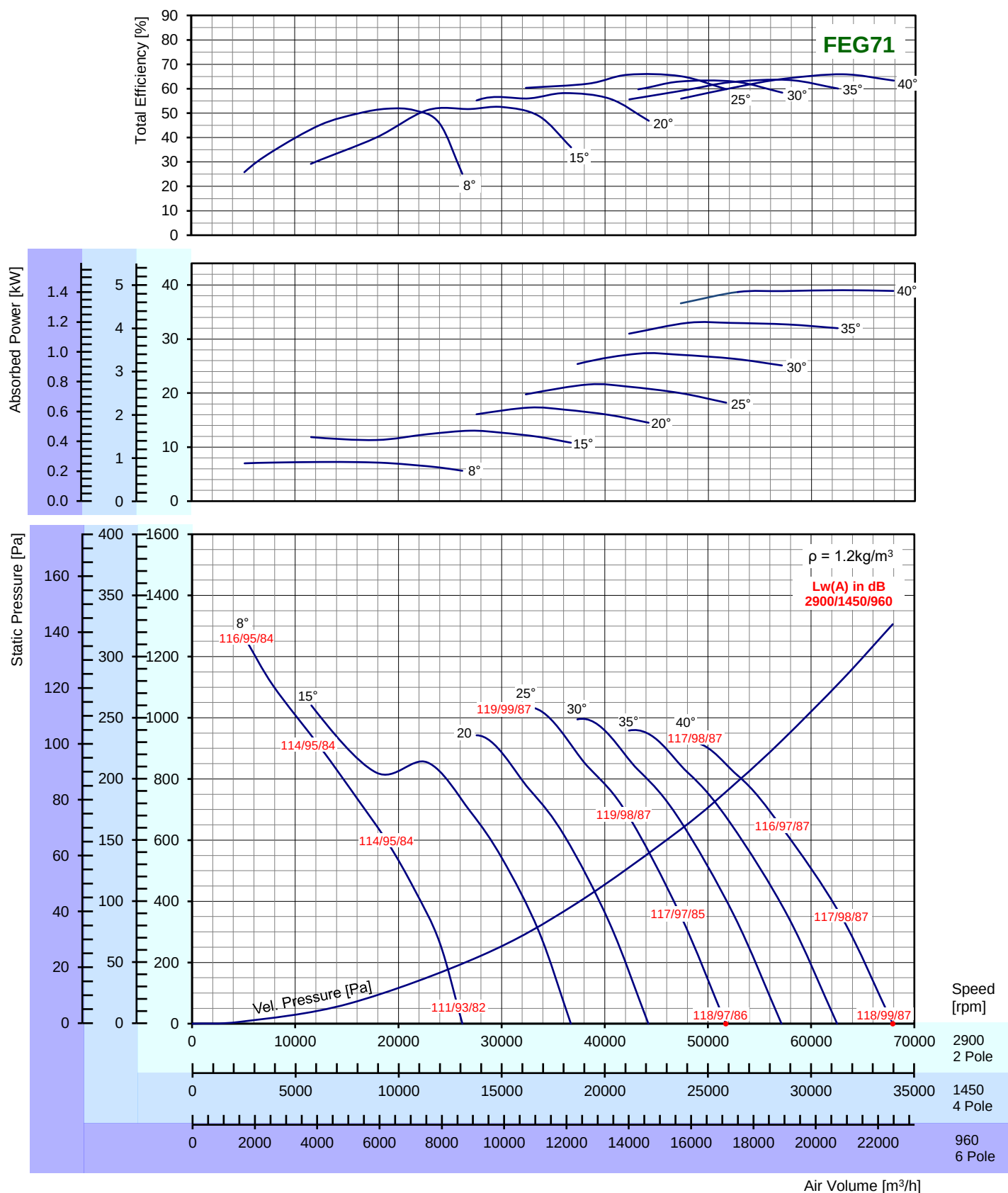
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

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* 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.

HTX-710-150-6

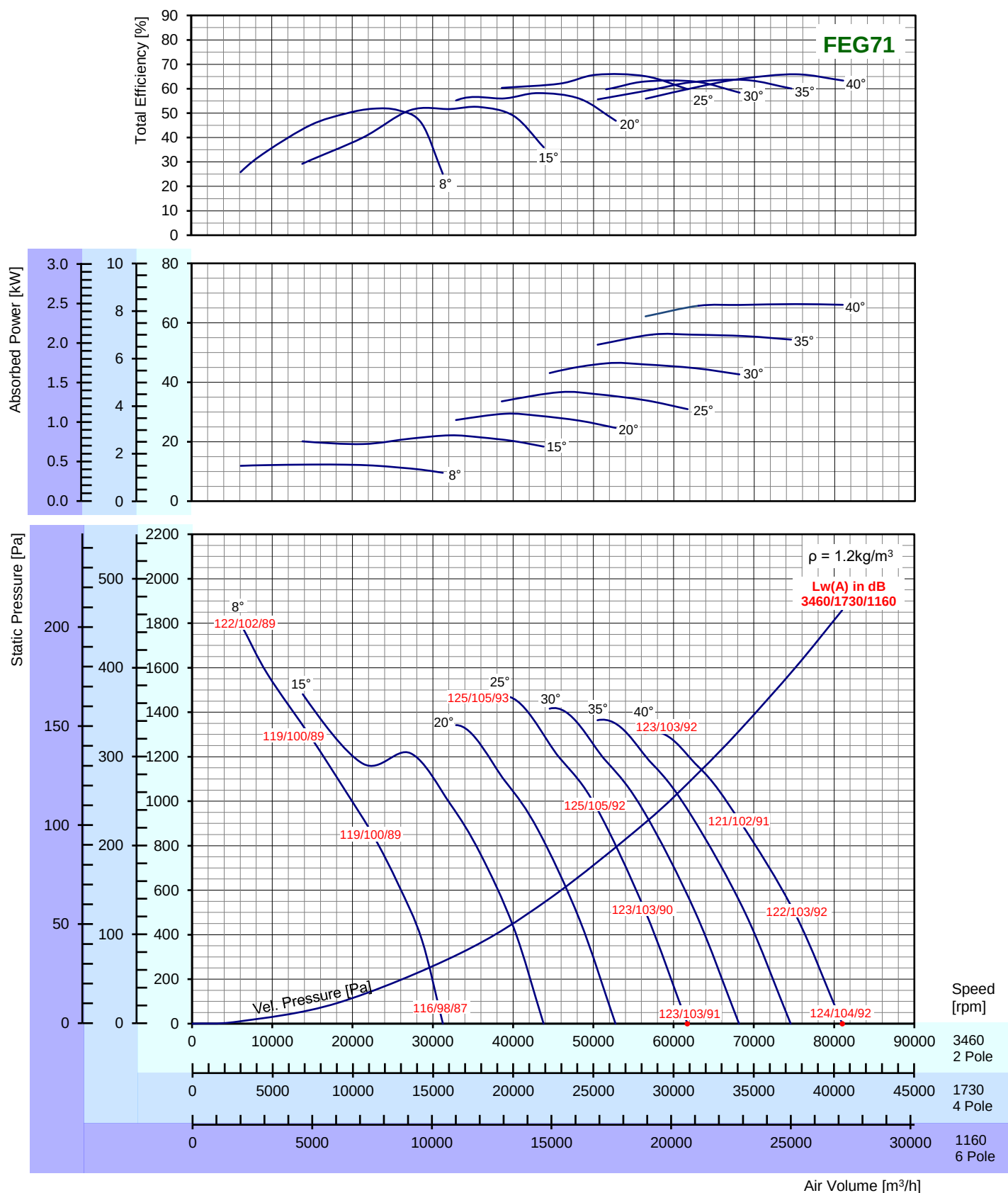
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 * Values shown are for inlet Lw(A) sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

HTX-710-150-6

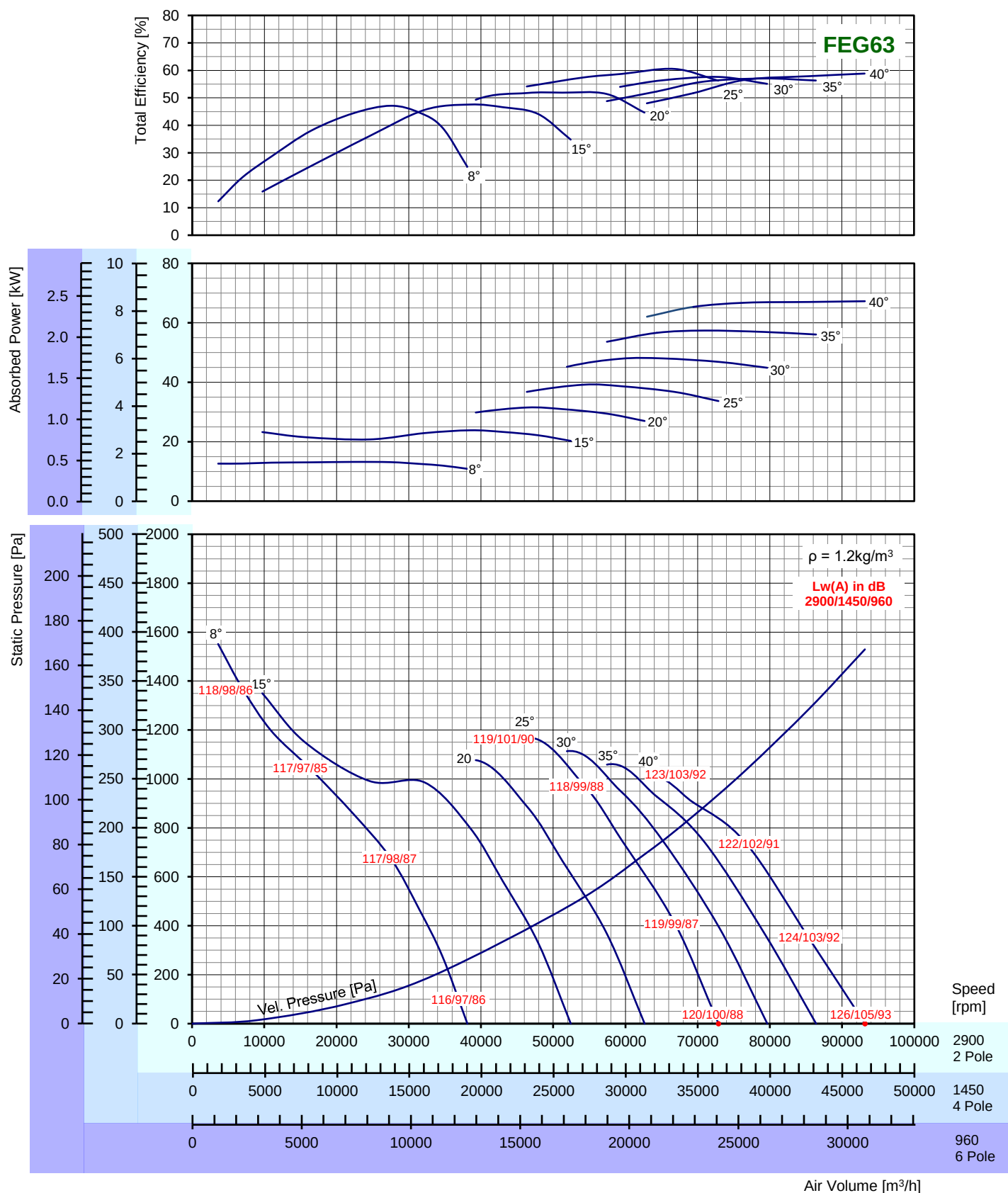
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 * Values shown are for inlet Lw(A) sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

HTX-800-250-6

50Hz



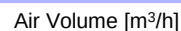
Air Volume [m³/h]

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

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* Values shown are for inlet LwA sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

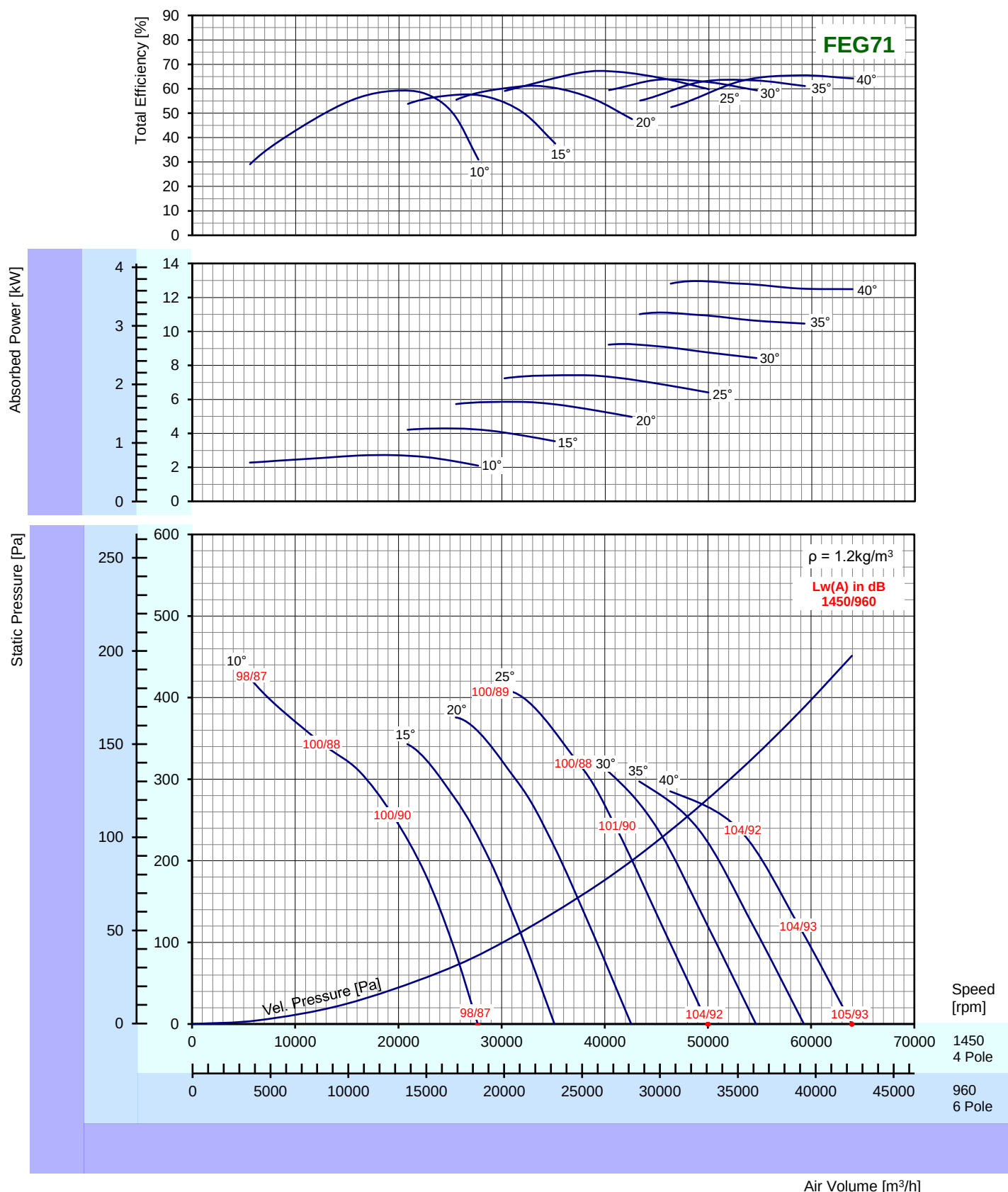
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HTX-900-250-6

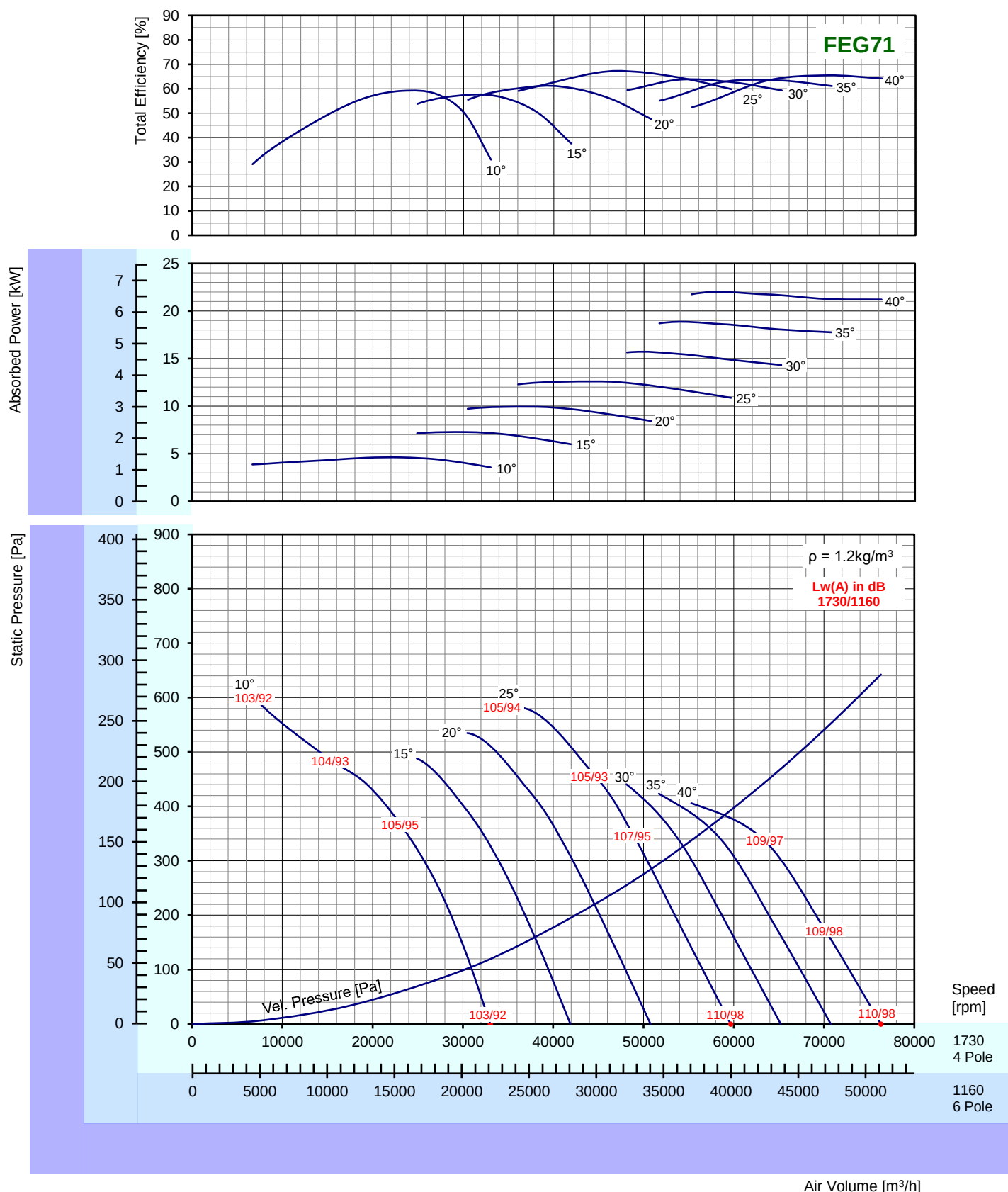
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 * Values shown are for inlet Lw(A) sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

HTX-900-250-6

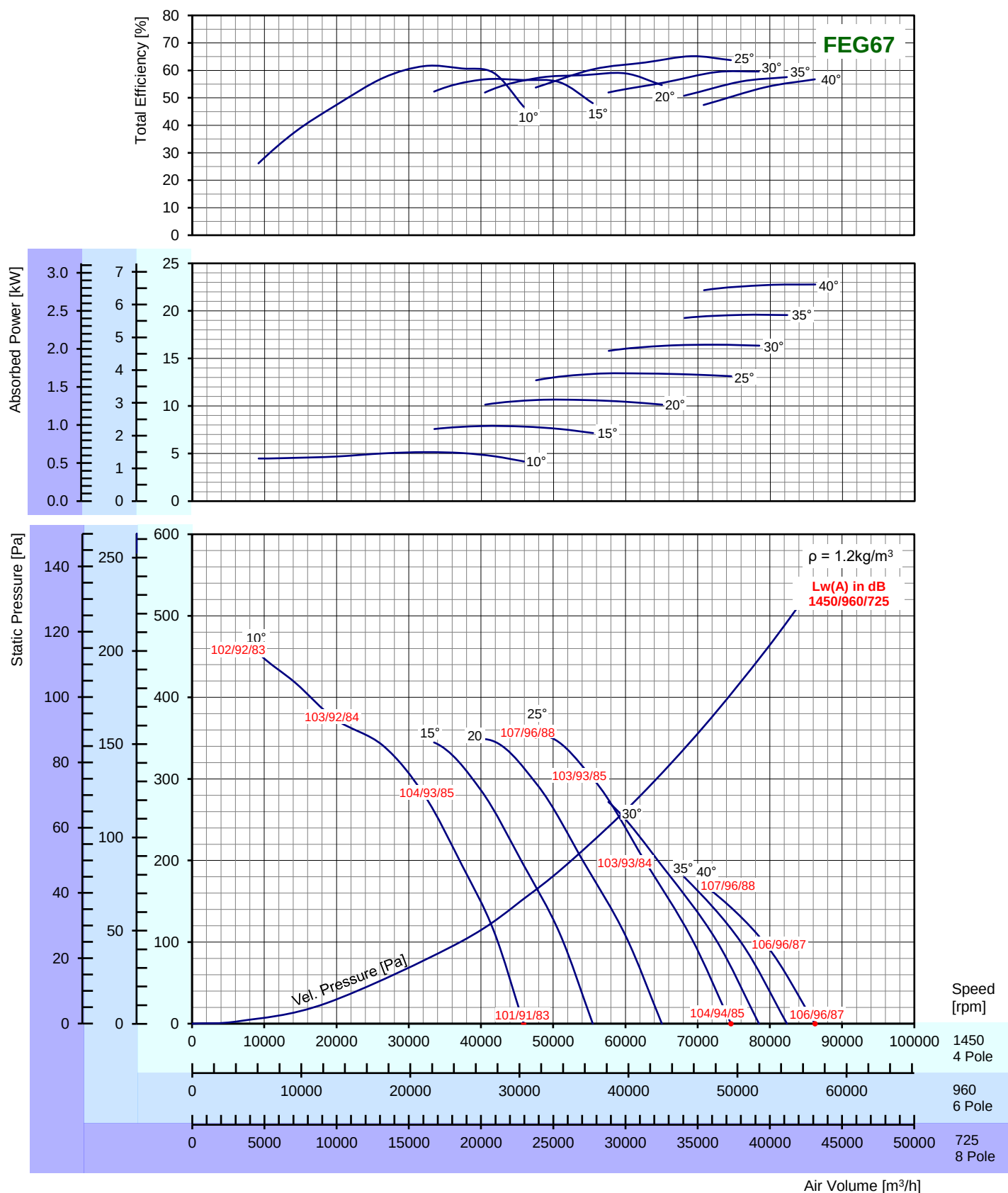
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* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
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 * Values shown are for inlet Lw(A) sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

HTX-1000-250-6

50Hz



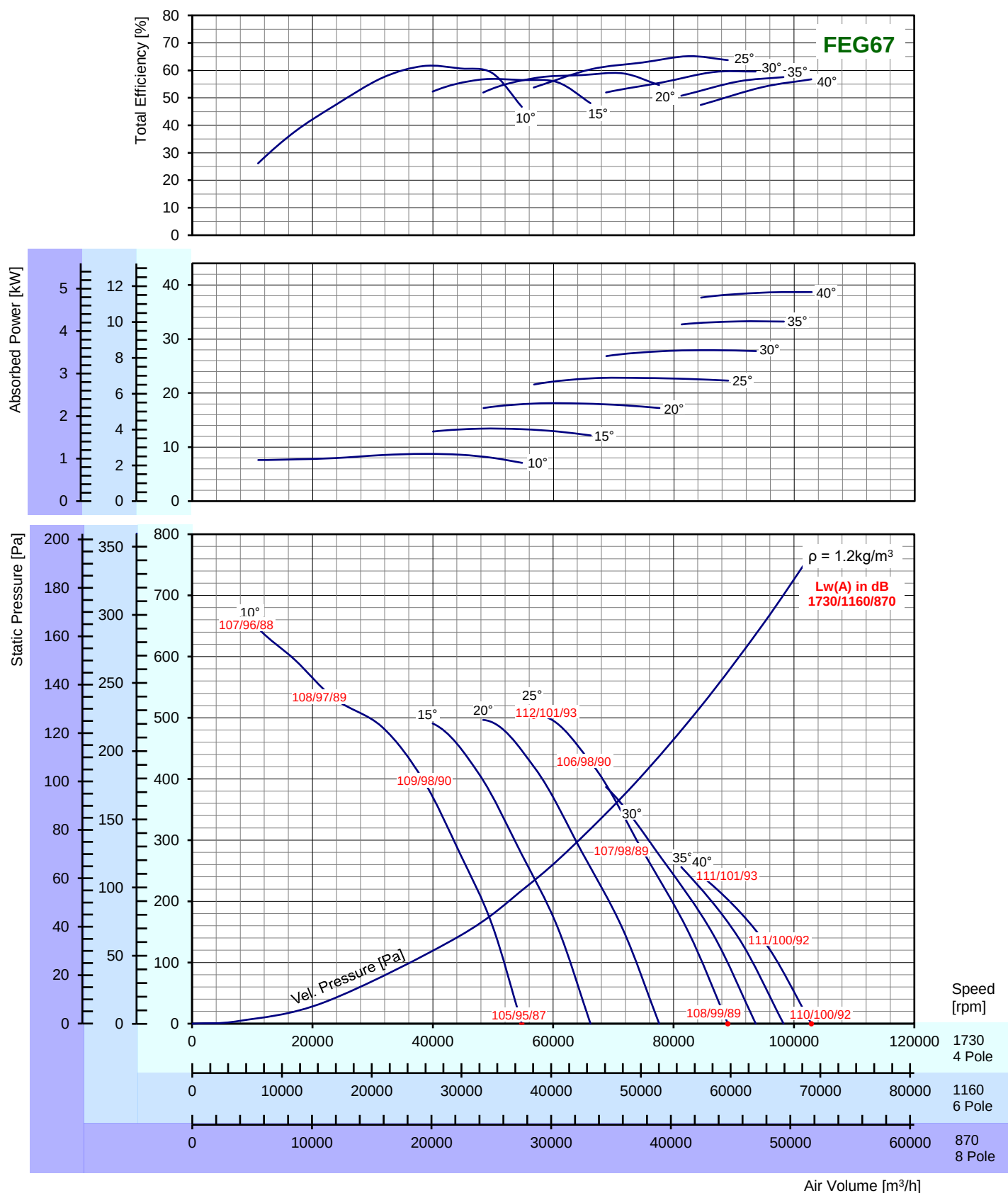
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* 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.

HTX-1000-250-6

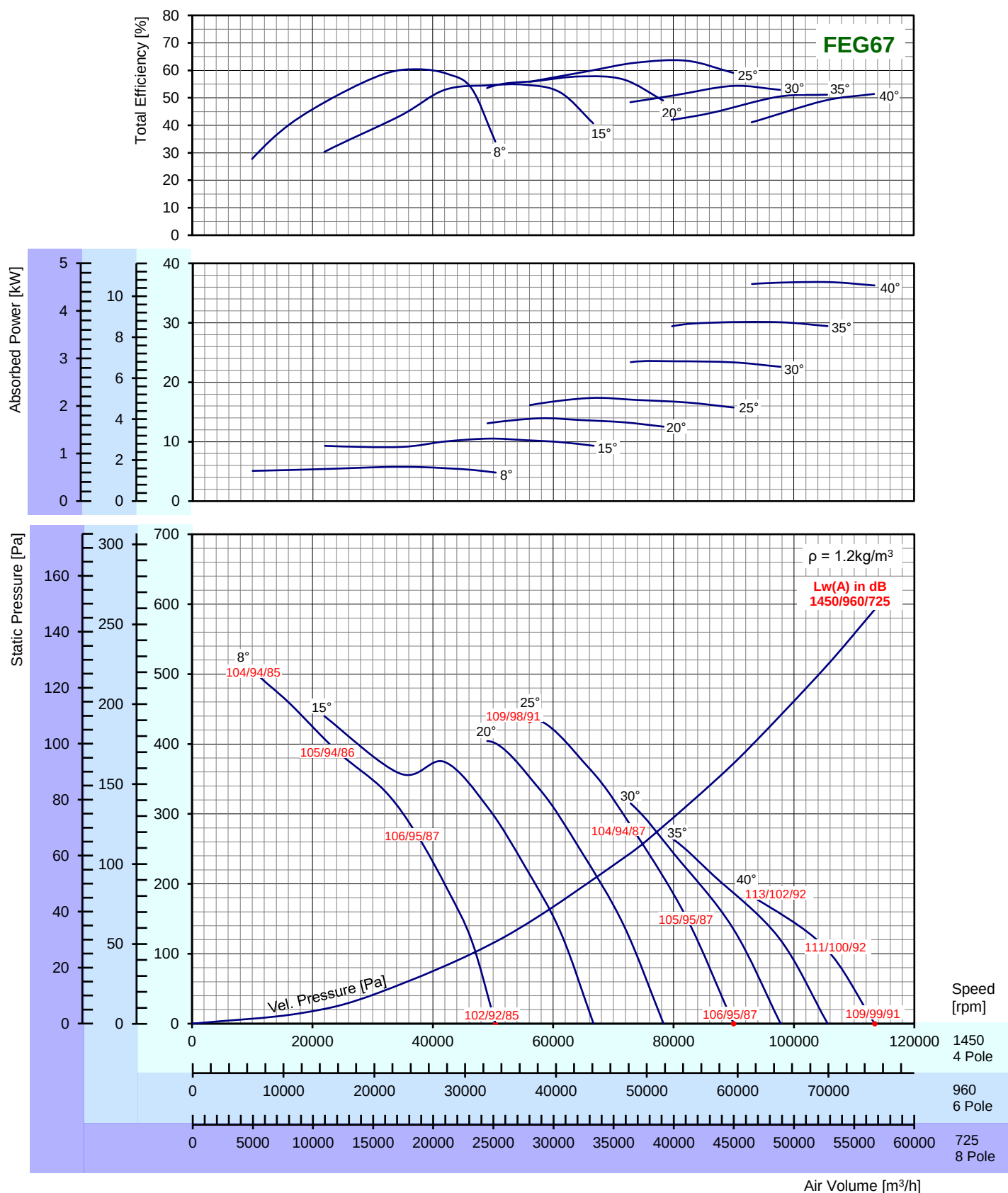
60Hz



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 * 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.

HTX-1120-250-6

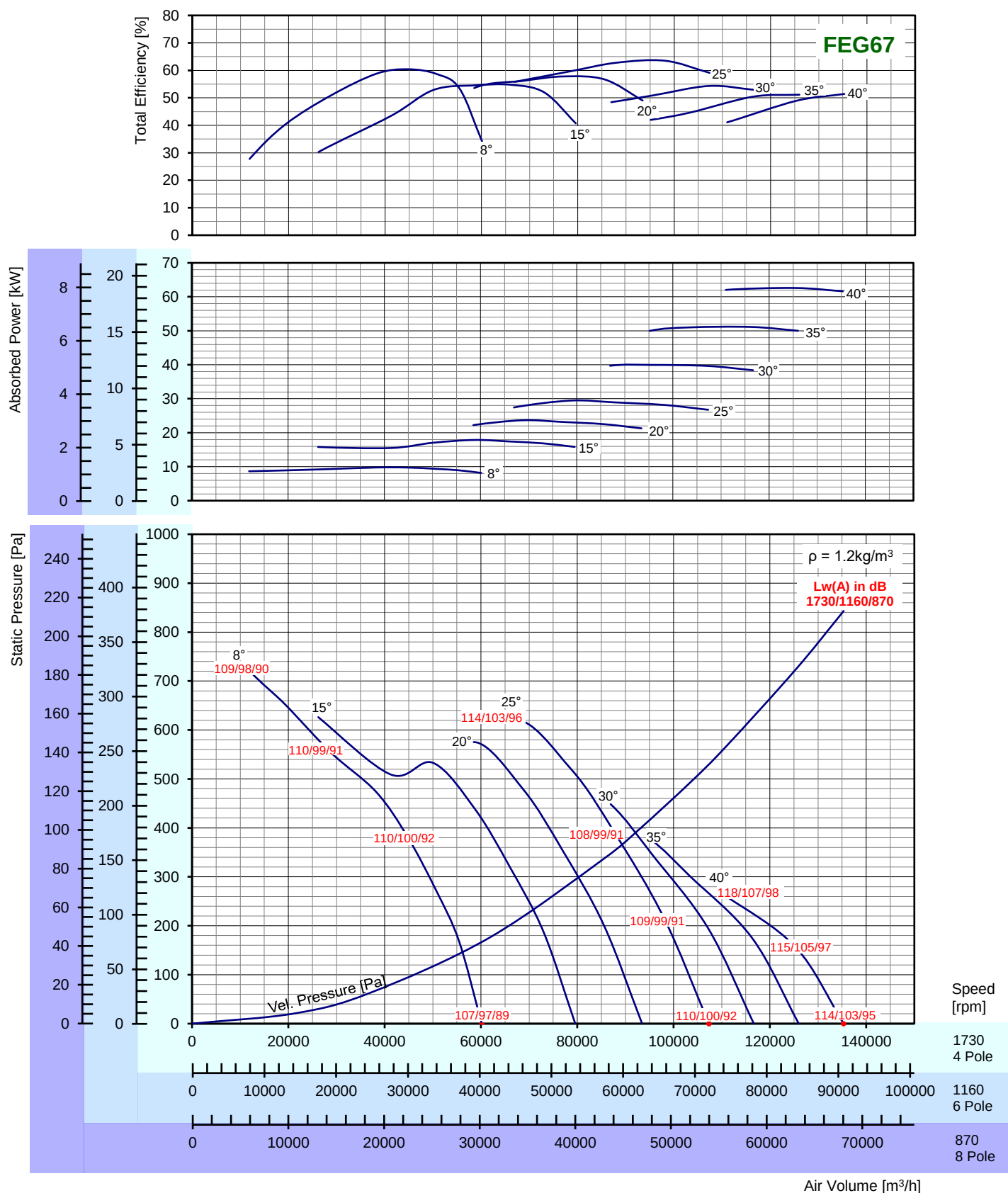
50Hz



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 * 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.

HTX-1120-250-6

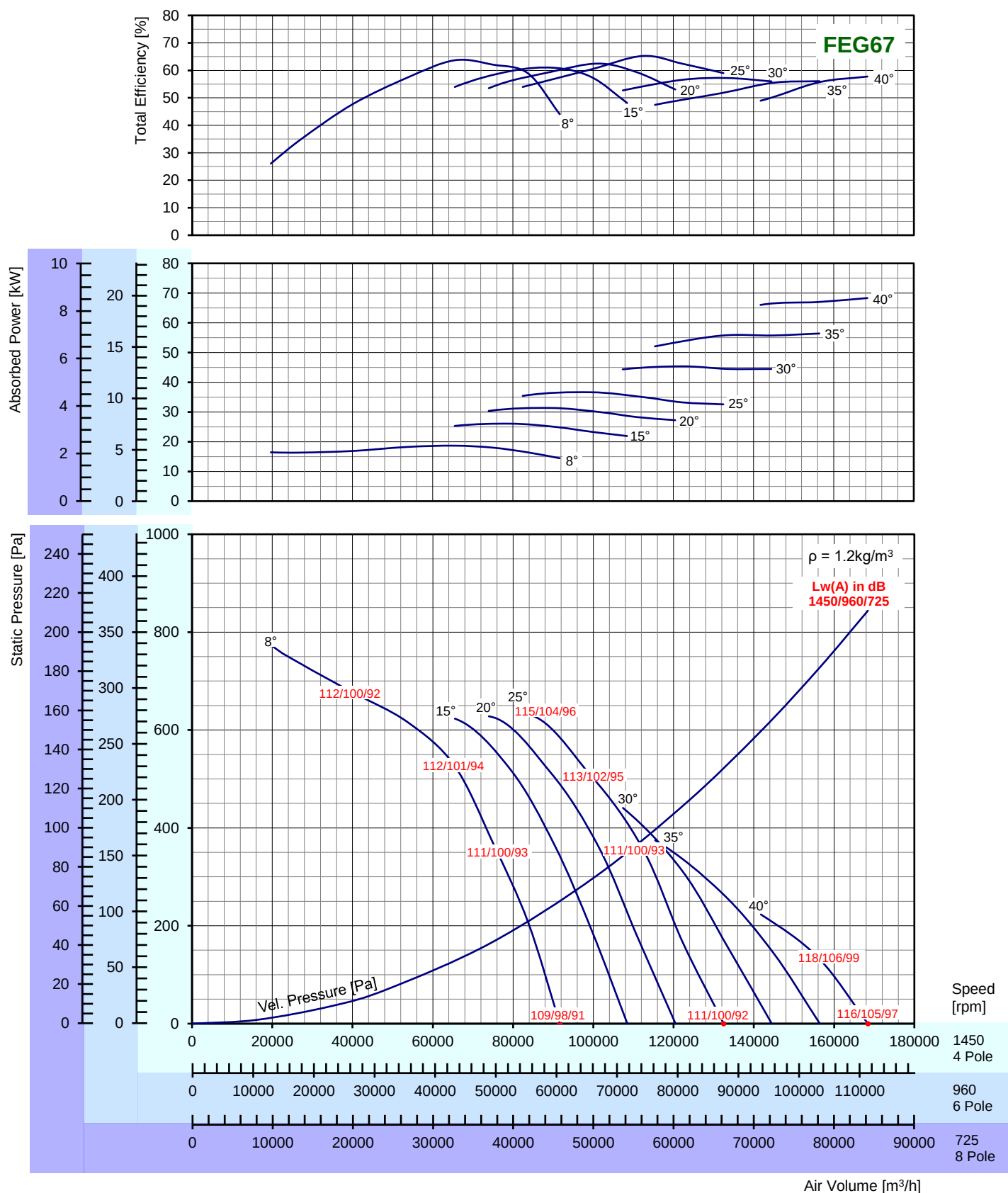
60Hz



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

HTX-1250-350-9

50Hz



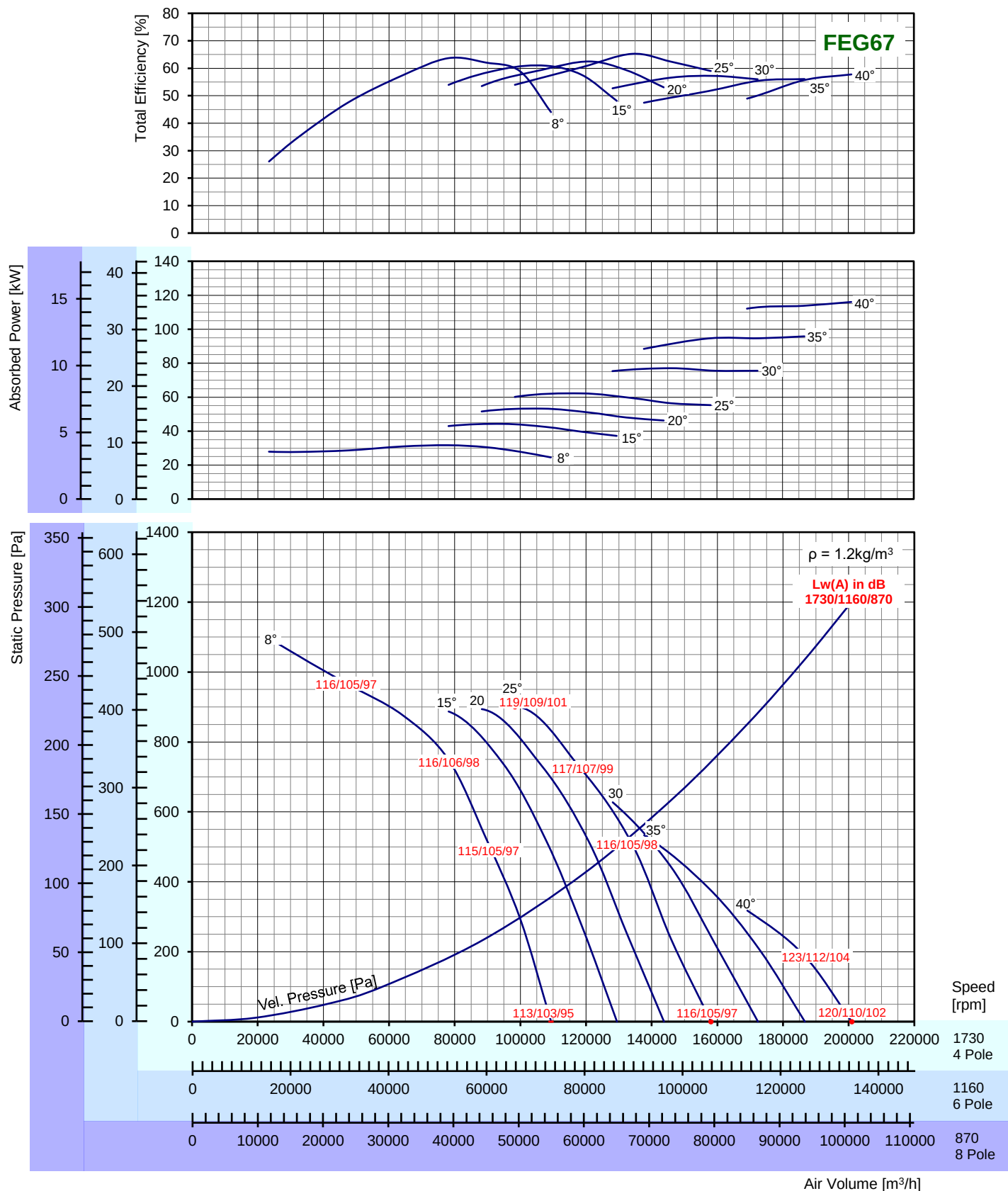
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

* Values shown are for inlet L_{wA} sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

HTX-1250-350-9

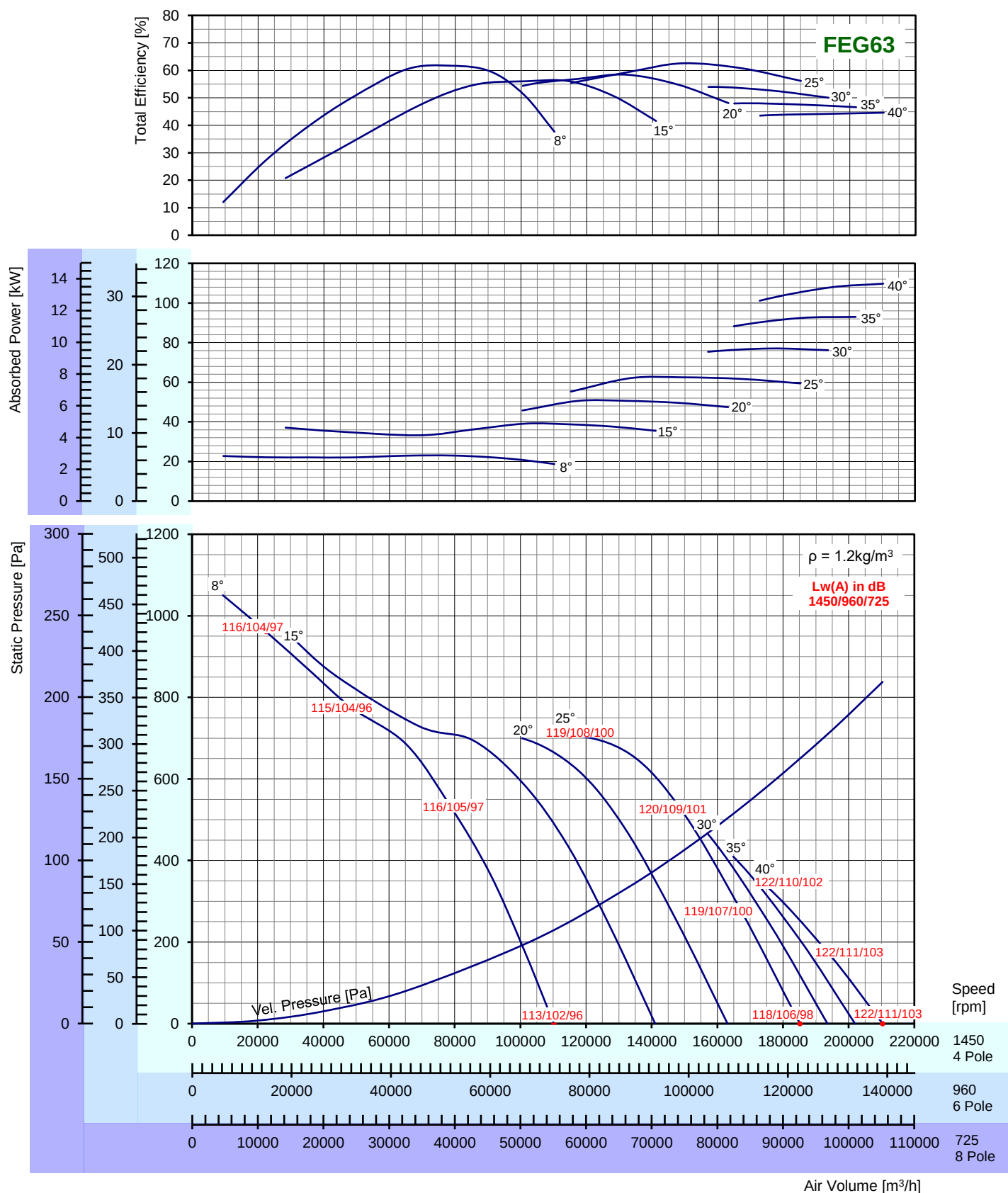
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 * Values shown are for inlet LwA sound power levels for installation type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction.

HTX-1400-350-9

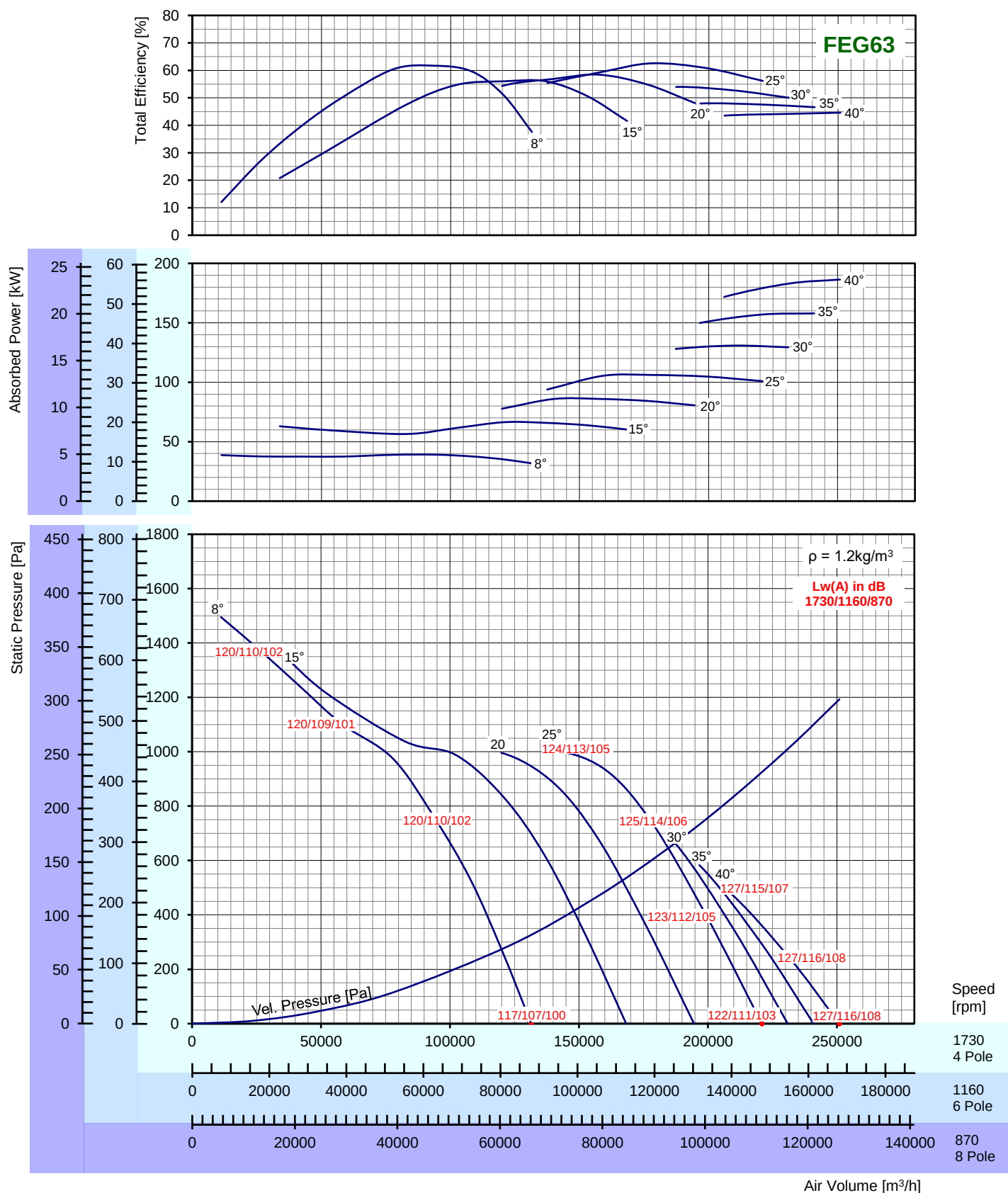
50Hz



* Performance certified is for installation type C - Ducted inlet, Free outlet + 560Duct. 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 outlet LwA sound power levels for installation type C: Ducted inlet, Free outlet + 560 Duct.

HTX-1400-350-9

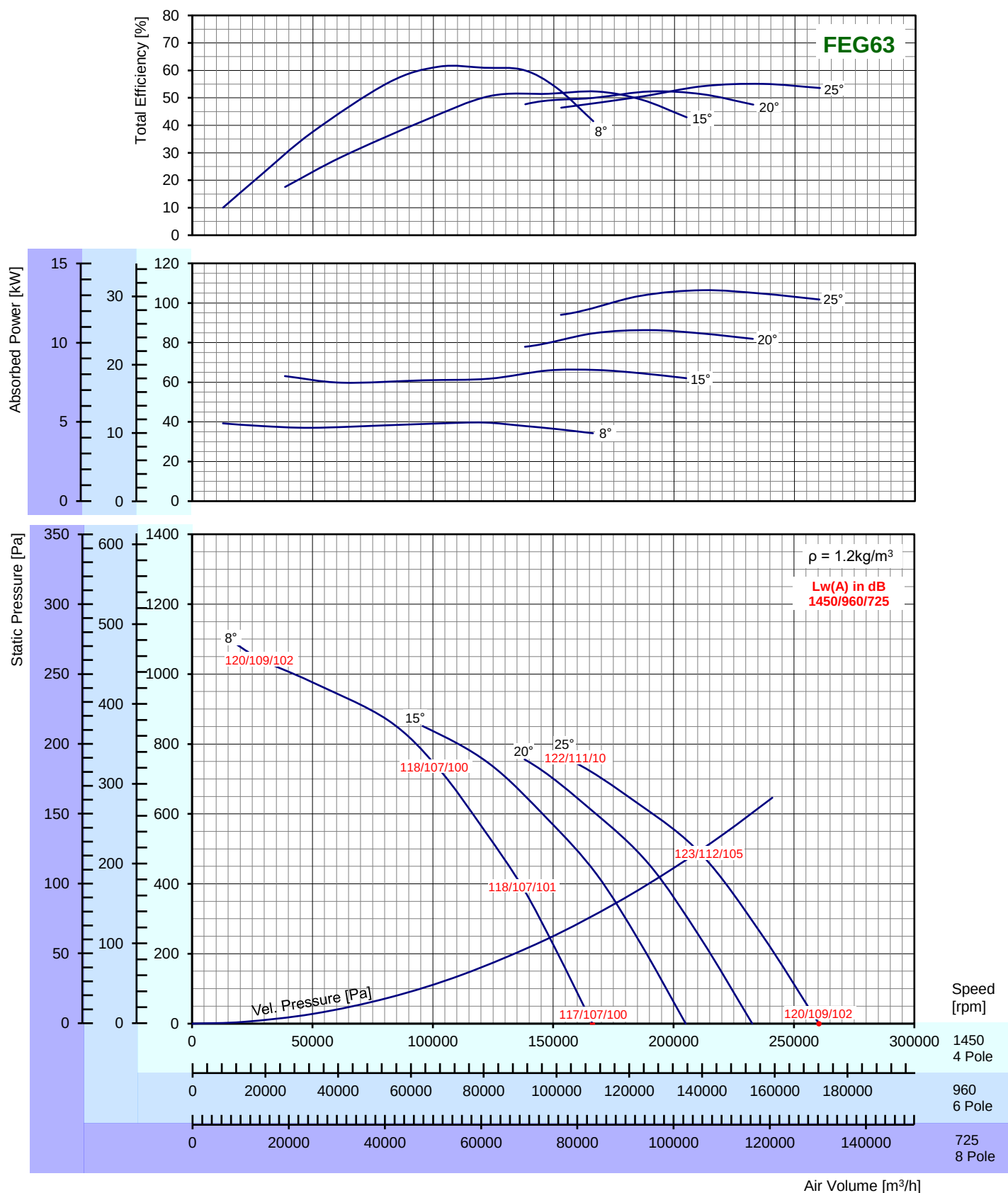
60Hz



* Performance certified is for installation type C - Ducted inlet, Free outlet + 560Duct. Performance ratings do not include the effects of appurtenances (accessories).
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 * Values shown are for outlet LwA sound power levels for installation type C: Ducted inlet, Free outlet + 560 Duct.

HTX-1600-350-9

50Hz



Air Volume [m³/h]

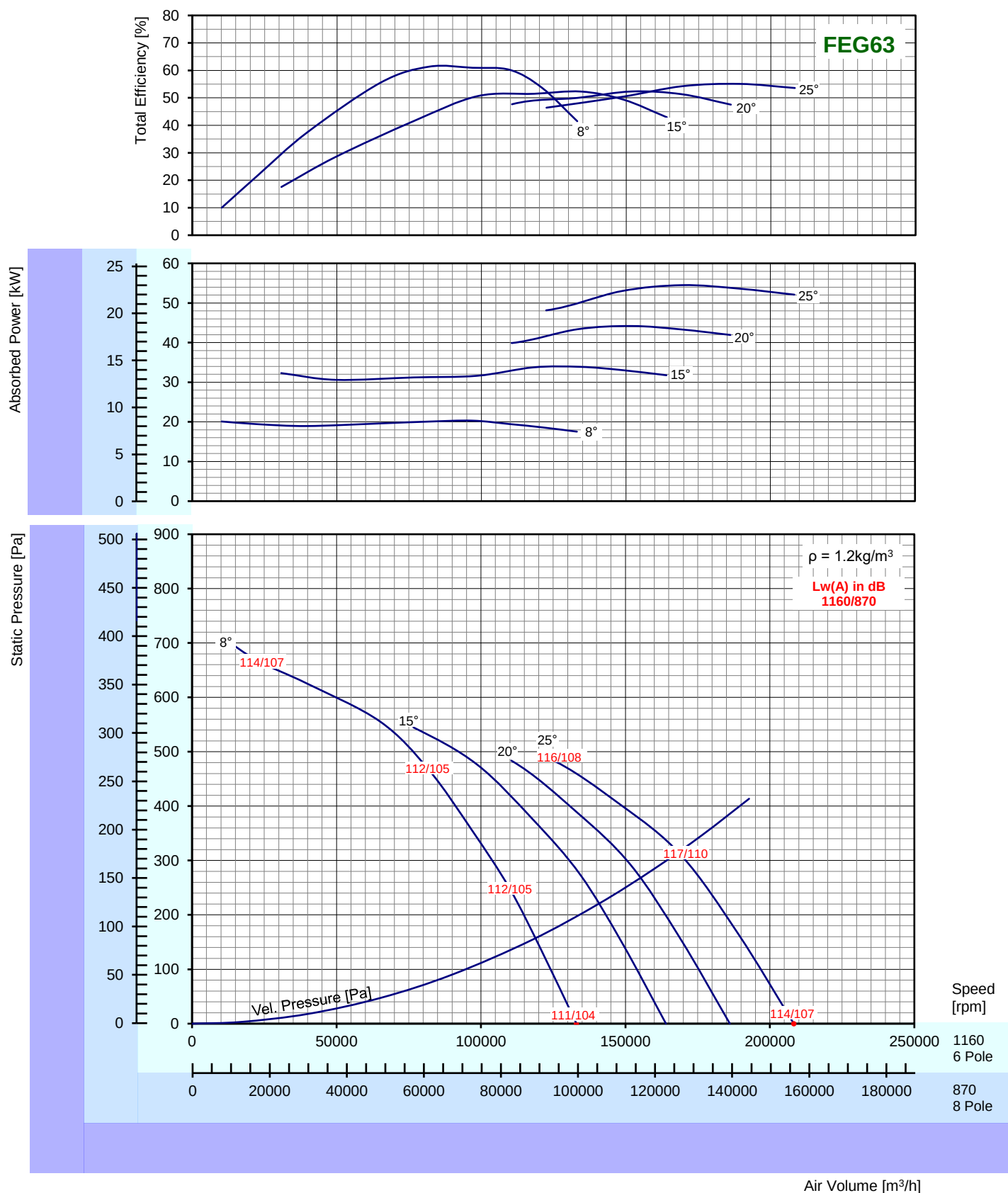
* Performance certified is for installation type C - Ducted inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories).

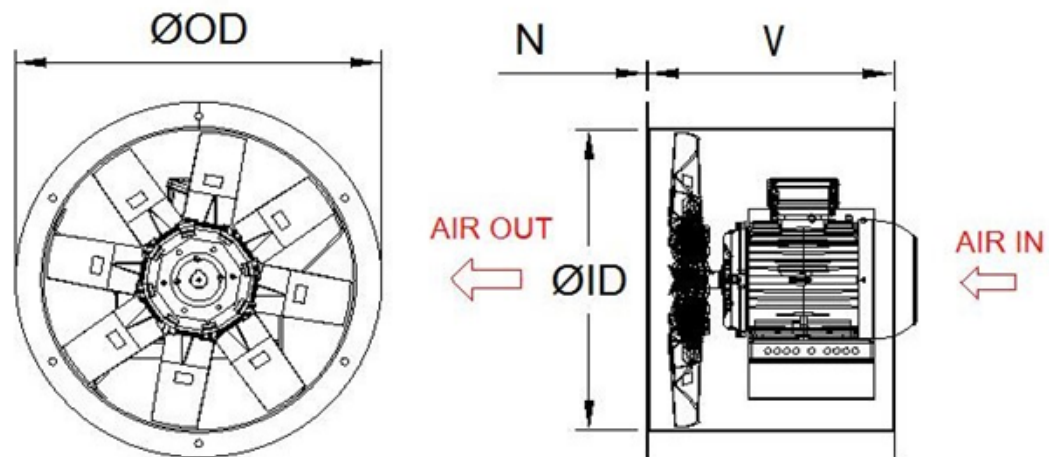
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.

* Values shown are for outlet LwA sound power levels for installation type C: Ducted inlet, Free outlet.

HTX-1600-350-9

60Hz





AXIAL FLOW FAN DIMENSION DETAIL IN MM

S. No.	Fan Model	Hub Dia	No. of Blade	Fan Dia $\varnothing ID$	Fan $\varnothing OD$	Thickness of Casing (N)	Length of Casing (V)
1	HTX-500-150-6	150	6	500	585	2	405
2	HTX-560-150-6	150	6	560	645	2	405
3	HTX-630-150-6	150	6	630	715	2	405
4	HTX-710-150-6	150	6	710	795	2	530
5	HTX-800-250-6	250	6	800	885	2	530
6	HTX-900-250-6	250	6	900	985	2	530
7	HTX-1000-250-6	250	6	1000	1085	2.5	530
8	HTX-1120-250-6	250	6	1120	1205	2.5	655
9	HTX-1250-350-9	350	9	1250	1355	3	655
10	HTX-1400-350-9	350	9	1400	1505	3	655
11	HTX-1600-350-9	350	9	1600	1705	3	655

The intention of this brochure is to introduce you to, and acquaint you with the capabilities of the HUMIDIN organization in the offered product areas. It will not answer all your immediate questions, and indeed, it will no doubt raise others. We welcome your interest in our products and shall be very pleased to provide further information.

GUARANTEE

HUMIDIN guarantees its products to be free of defects in materials and workmanship for a period of one year from the date of delivery from the factory, provided motors are properly installed with overload protector. Humidin agrees to repair or replace defective parts or part to be returned to the factory, all transportation charges prepaid. Humidin does not guarantee against abrasion, corrosion or erosion. Humidin shall not be held responsible for any charges in connection with the removal or replacement of alleged defective equipment nor for incidental consequential damages.

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

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