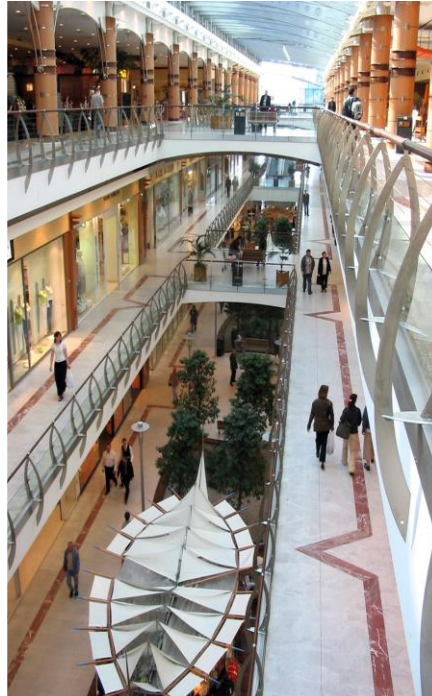


## BCSI Series



## SINGLE INLET CENTRIFUGAL FAN Backward Curve Industrial Type



GTG Industries Sdn Bhd certifies that the model: BCSI 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.





## BCS Series

- ◆ Backward curve non-overloading performance
- ◆ Range : 1120, 1250, 1300, 1400, 1530, 1600, 1800
- ◆ Various orientations and mounting configurations available
- ◆ High efficiency

## Introduction

**BCS** centrifugal fan with backward incline blade couple with single inlet housing provides large air volume at high static pressure with **non-overloading characteristic performance** i.e. the required power does not exceed a certain value regardless of the change of static pressure. With this perfect **limit load** characteristics together with welded casing and drain hole, the BCS is ideal choice for industrial application such as palm oil, boiler plant, manufacturing factories, warehouses, plants etc.

### Fan Casing

- Material : Steel with 2 layers of anti corrosion paint
- c/w outlet flanges

### Impeller

- Material : Steel
- Backward curve blade

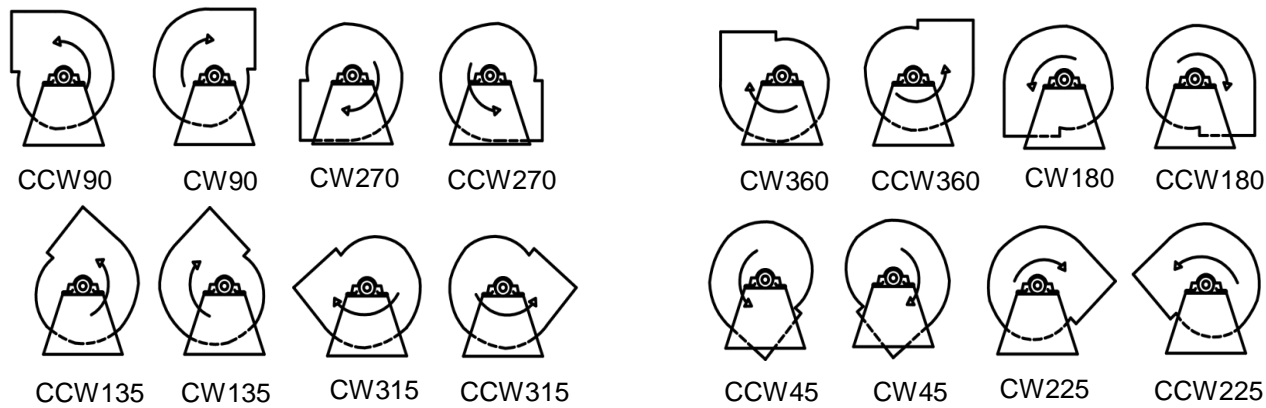
### Other Features

- Drain hole c/w plug
  - For drainage purpose
- Access door
  - Easy access for cleaning and maintenance

# Direction of Rotation and Discharge

*This is accordance with AMCA Standard 99-2406-03*

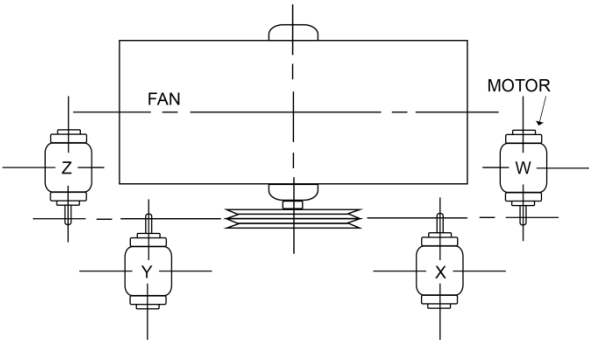
Direction of rotation is determined from the drive side. On single inlet fans, drive side is considered as opposite inlet, regardless of actual drive location.



## Standard Motor Positions

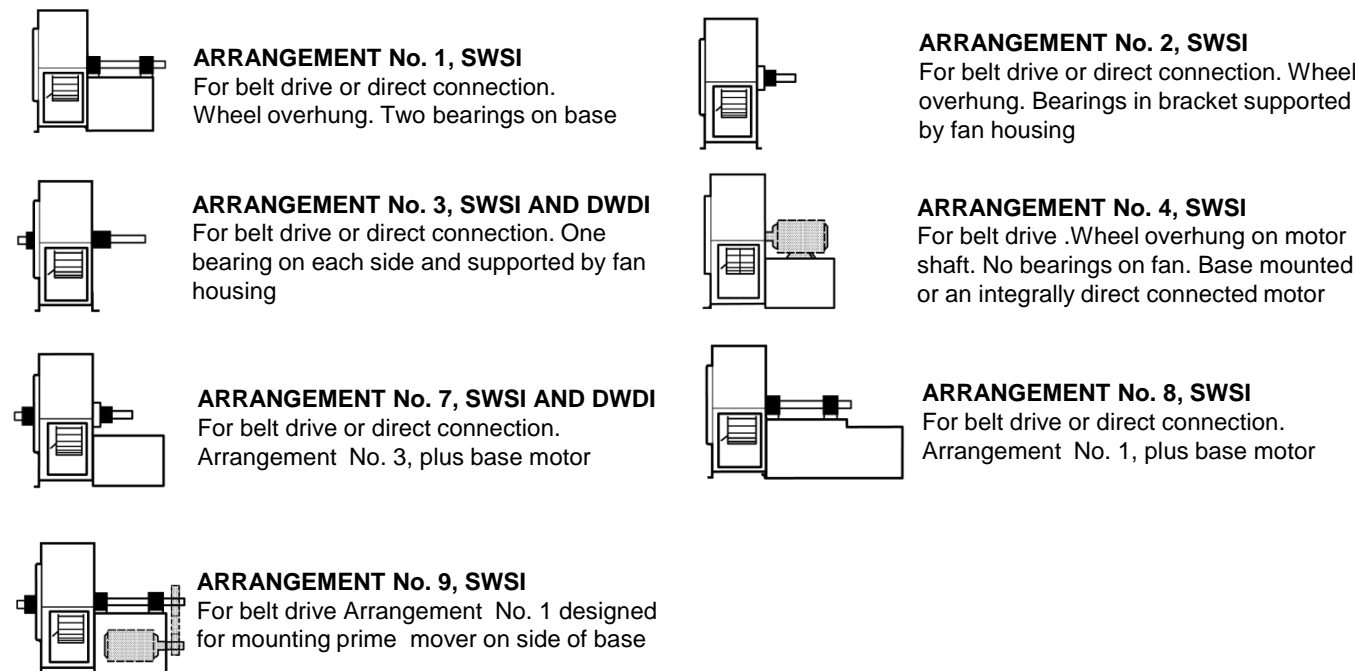
*This is accordance with AMCA Standard 99-2407-03*

The location of motor is determined from plan view of the blower, designating the motor position by letters W, X, Y and Z as the case may be.



## Arrangements of Drive

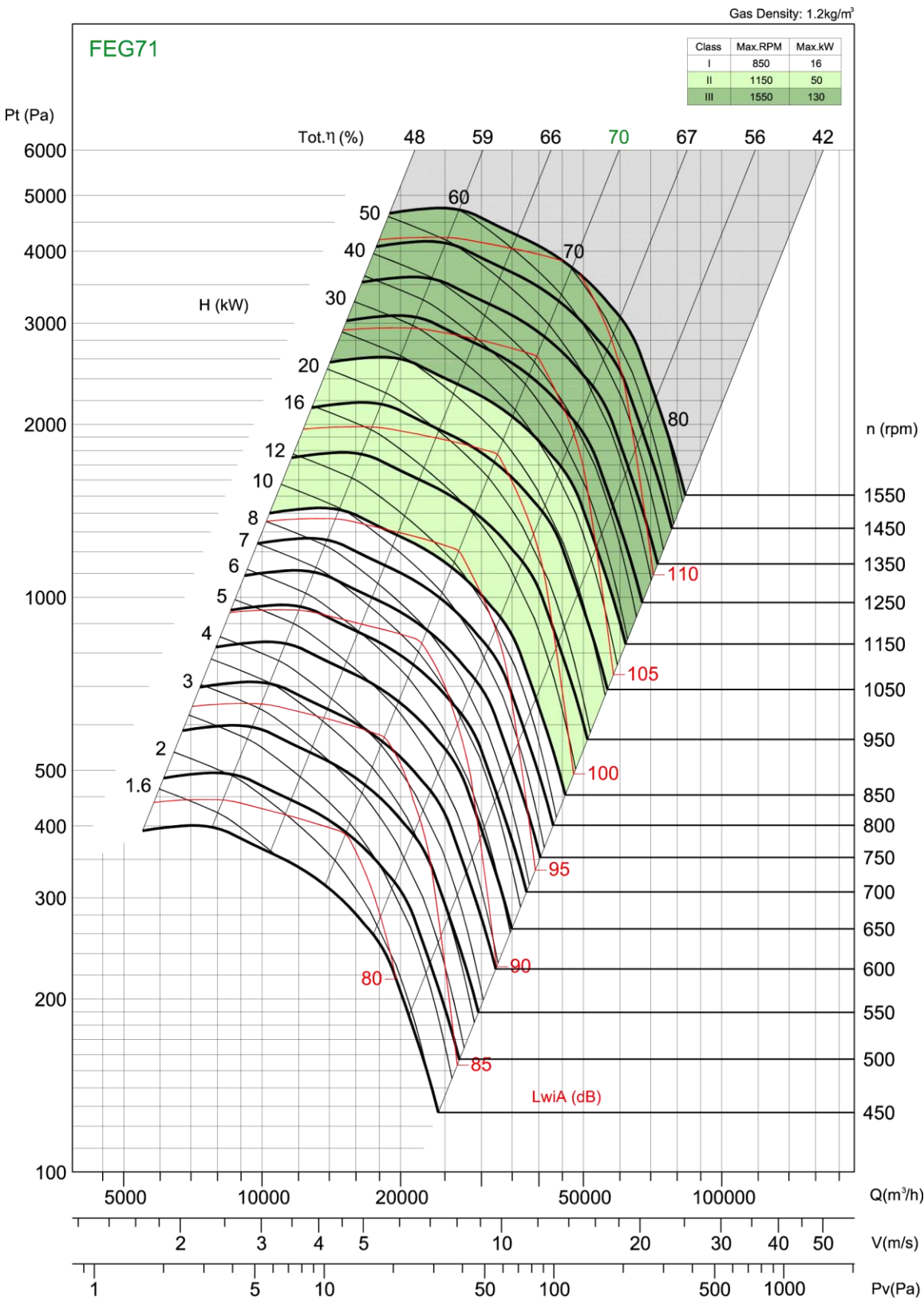
*This is accordance with AMCA Standard 99-2404-03*





Performance Curve

BCSI 1120

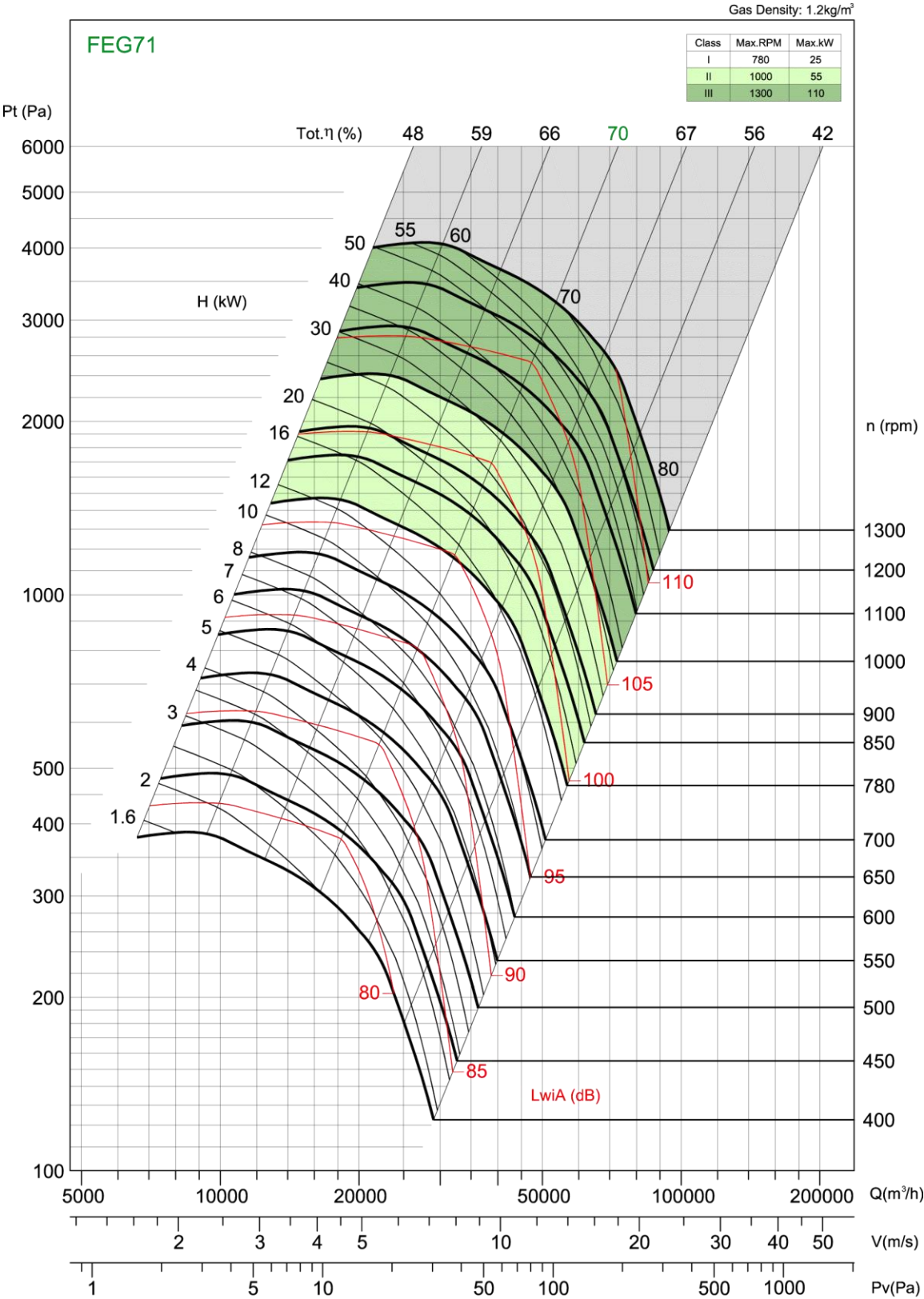


Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation Type B: free inlet, ducted outlet.



Performance Curve

BCSI 1250

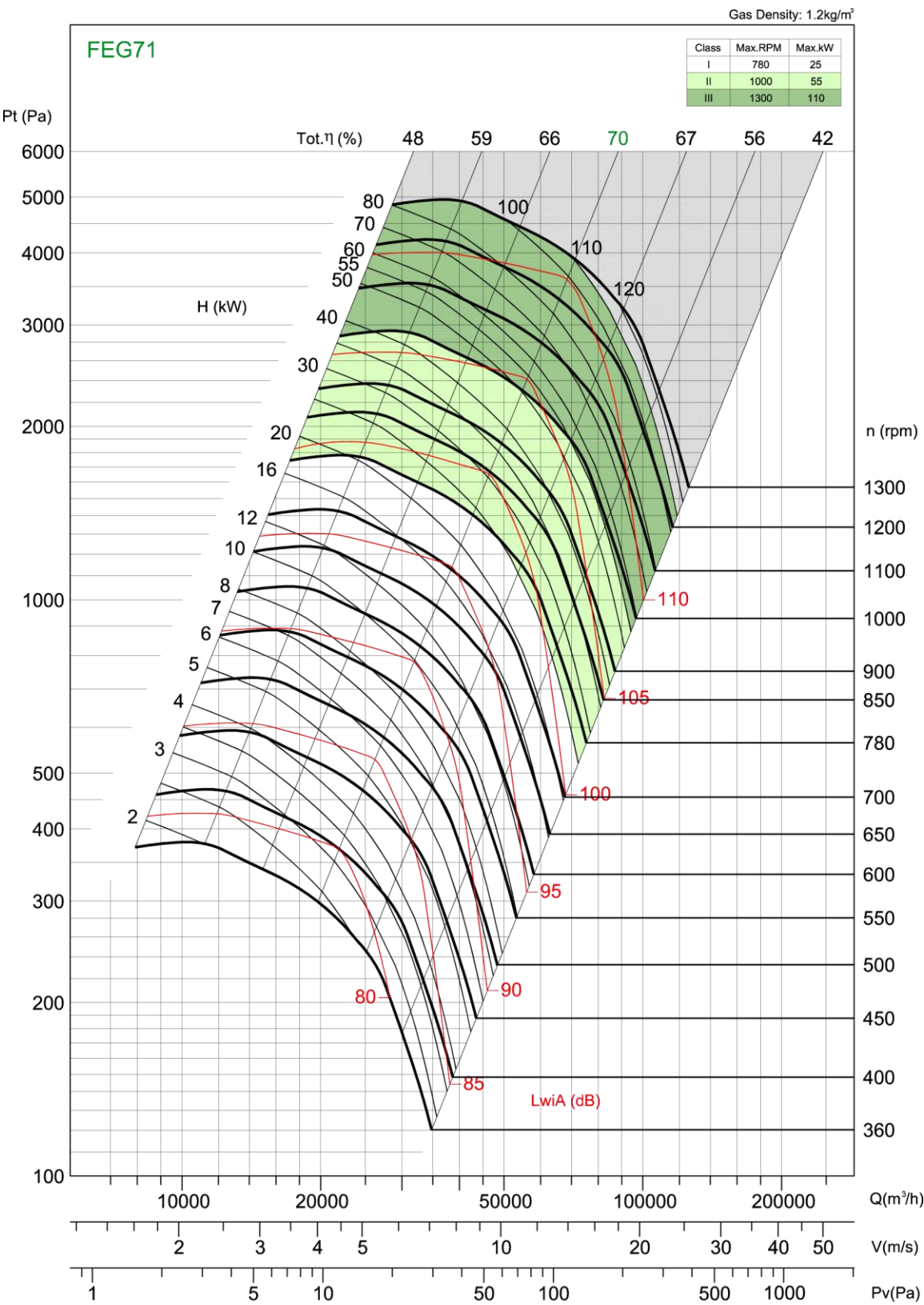


Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation Type B: free inlet, ducted outlet.



Performance Curve

BCSI 1300

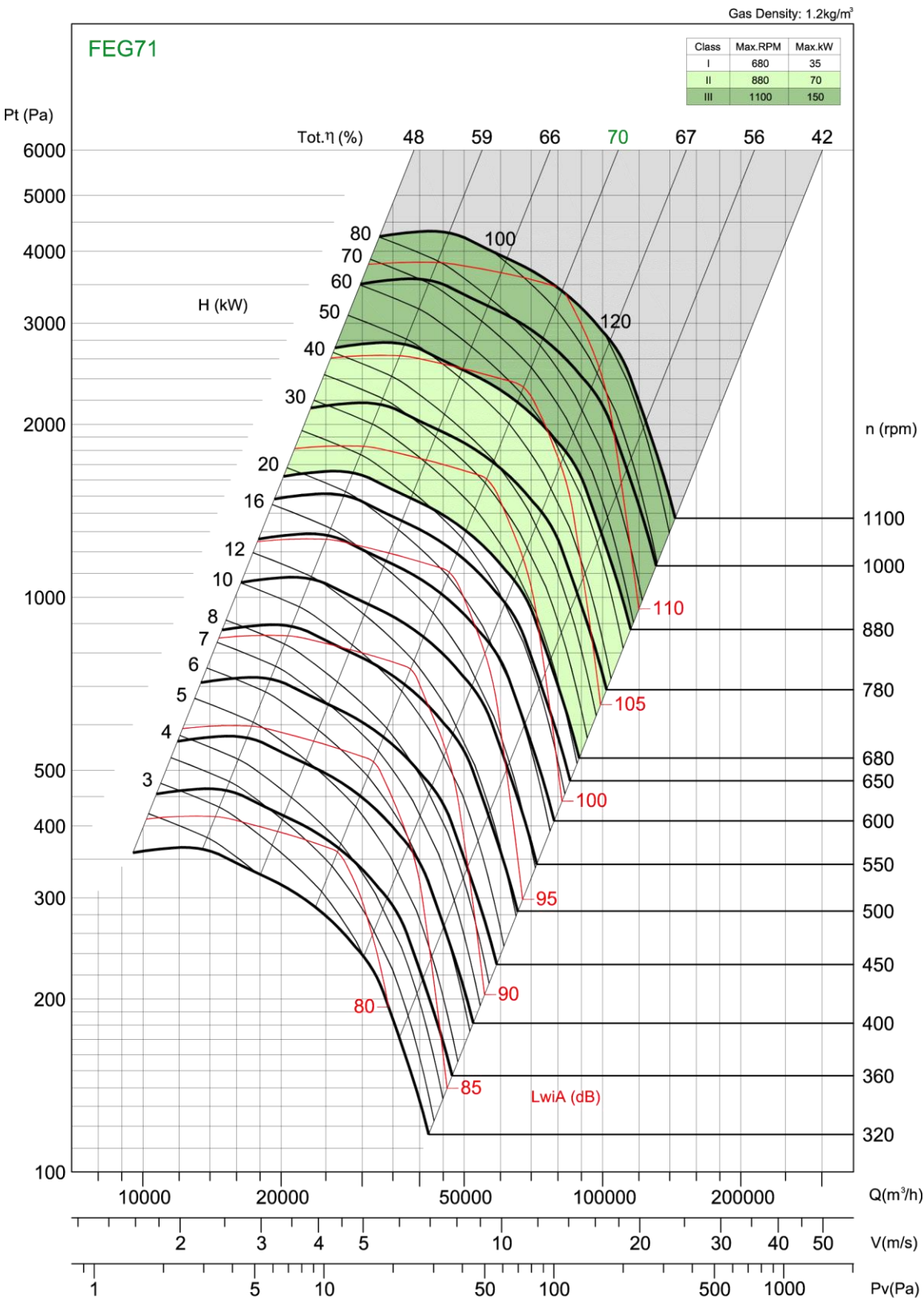


Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation Type B: free inlet, ducted outlet.



Performance Curve

BCSI 1400

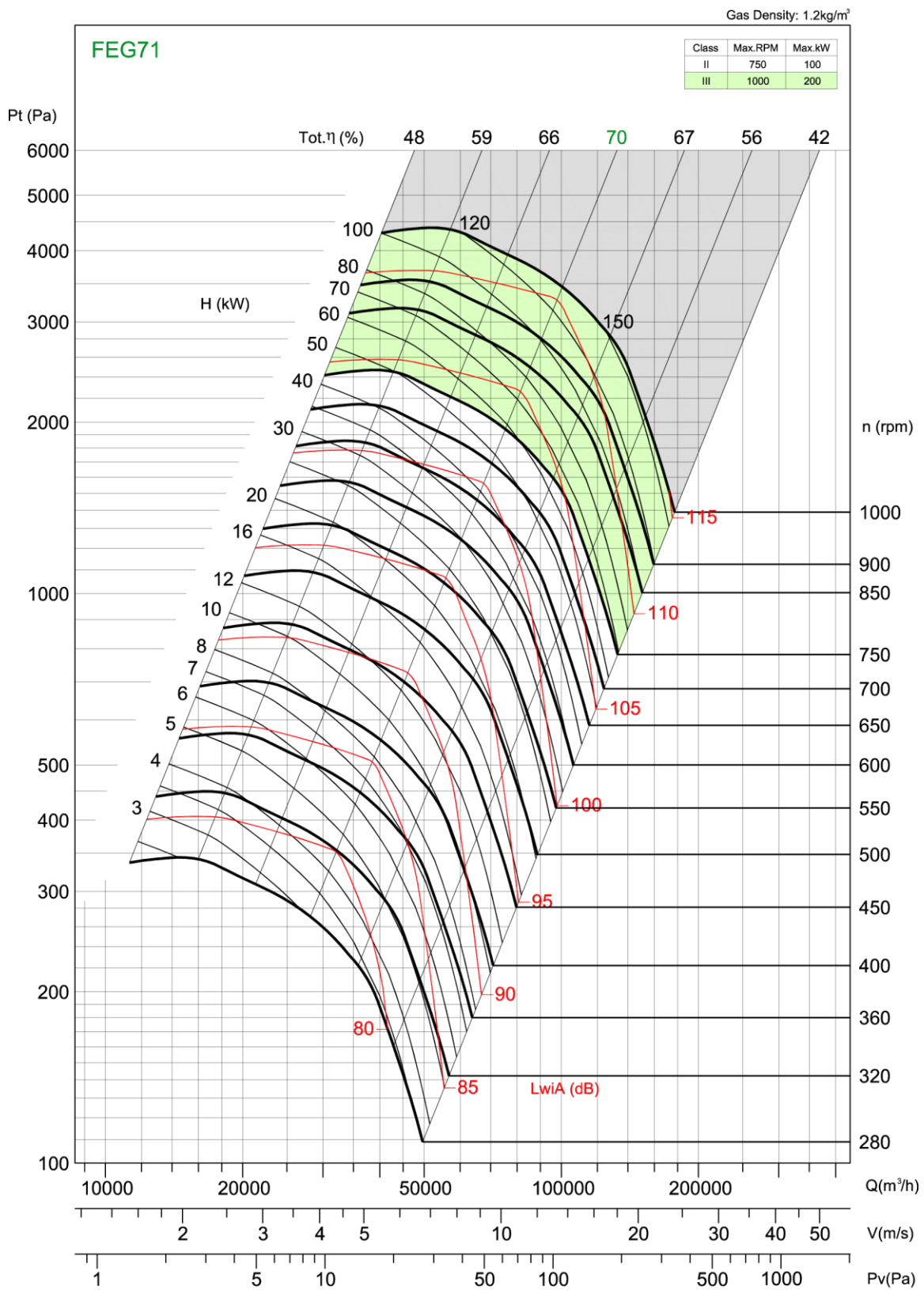


Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation Type B: free inlet, ducted outlet.





## BCSI 1530



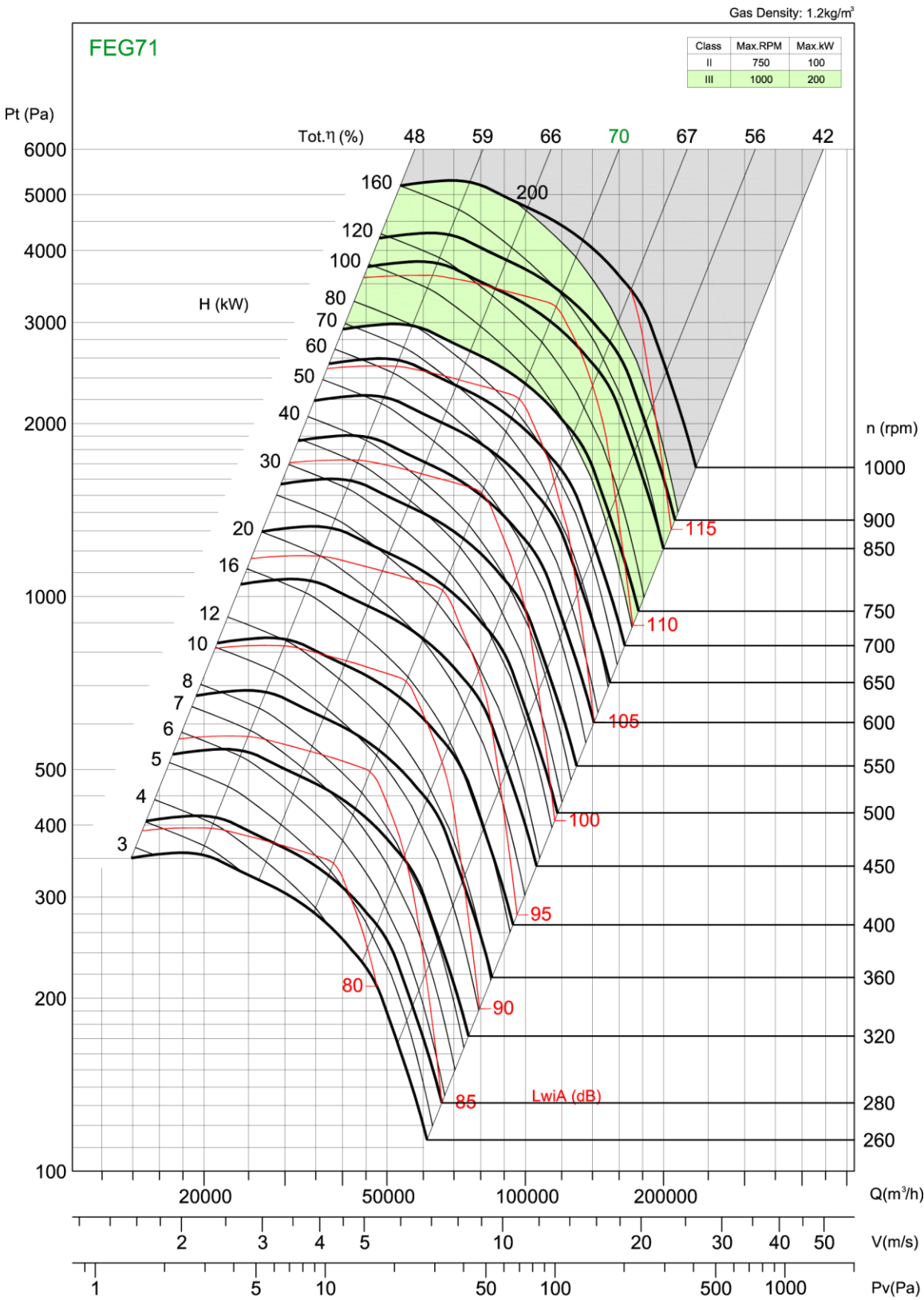
Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation Type B: free inlet, ducted outlet.





Performance Curve

BCSI 1600

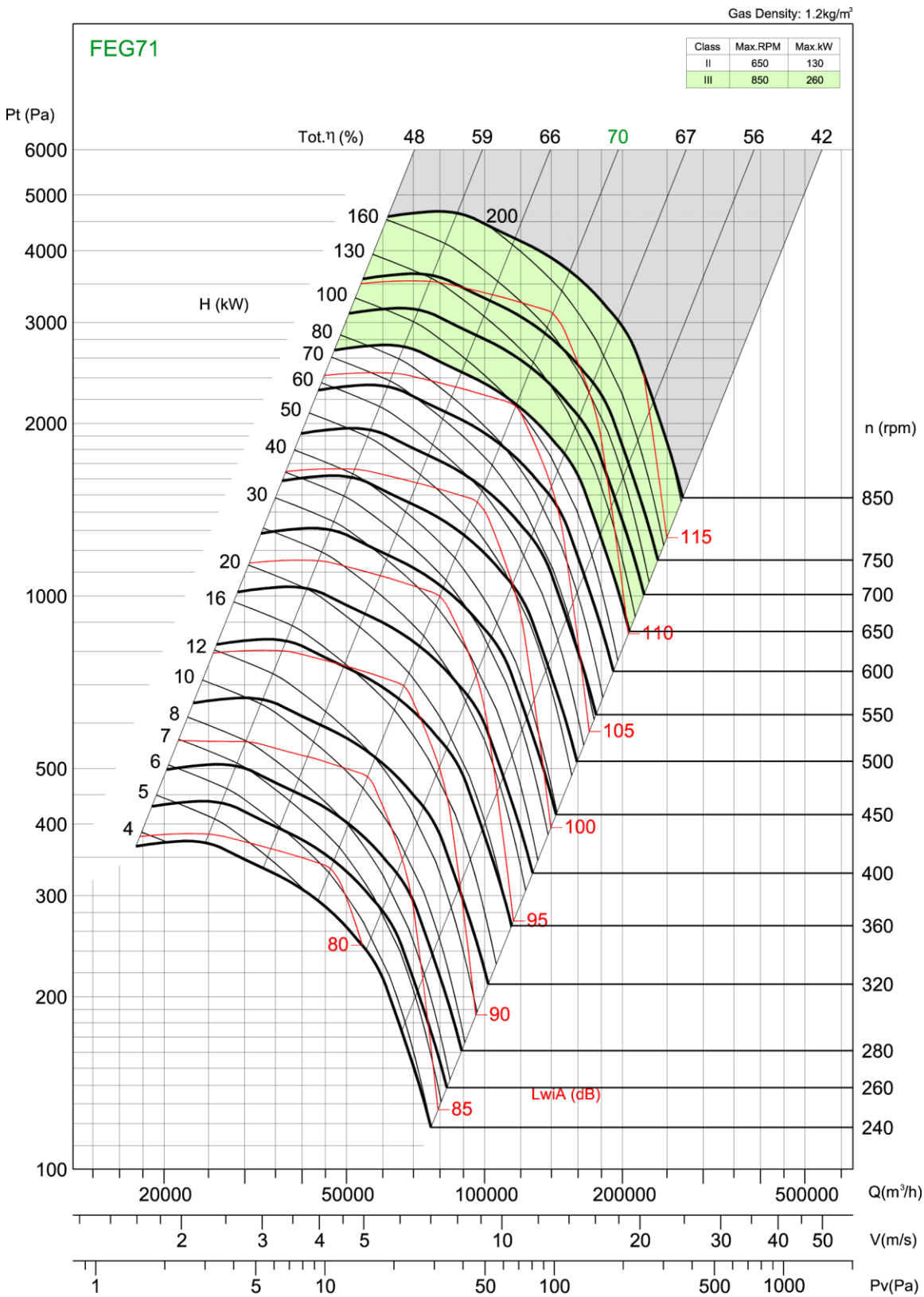


Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation Type B: free inlet, ducted outlet.



Performance Curve

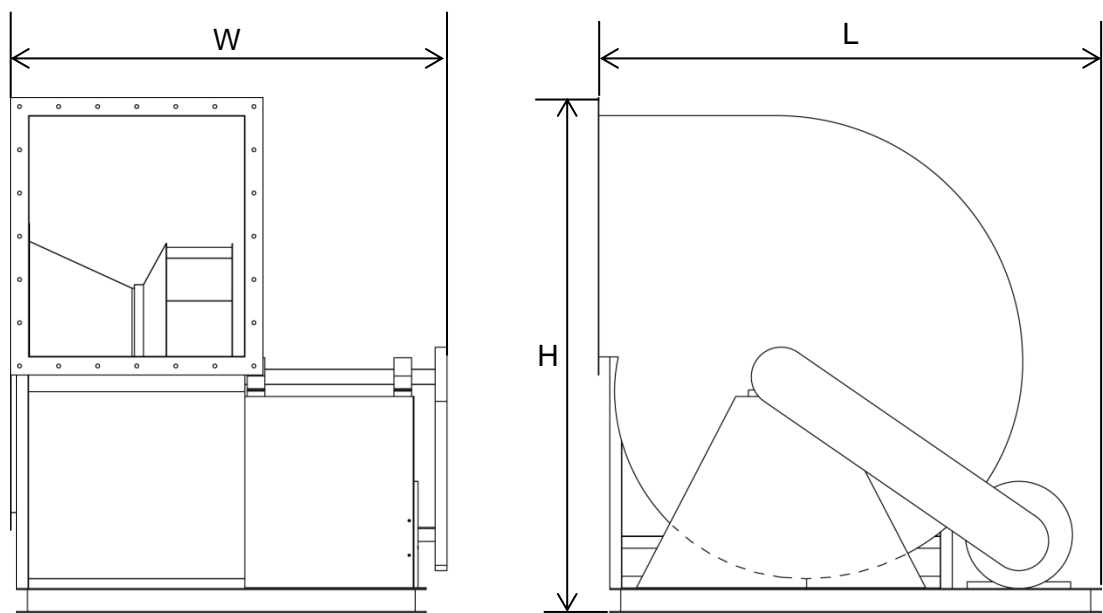
BCSI 1800



Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. 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 LwA sound power levels for installation Type B: free inlet, ducted outlet.



Dimension (mm)



| BCSI - CCW90 |      |      |      |
|--------------|------|------|------|
| Model        | L    | H    | W    |
| BCSI 1120    | 1962 | 2123 | 1820 |
| BCSI 1250    | 2108 | 2415 | 1979 |
| BCSI 1300    | 2245 | 2629 | 2130 |
| BCSI 1400    | 2426 | 2880 | 2309 |
| BCSI 1530    | 2610 | 3155 | 2543 |
| BCSI 1600    | 2873 | 3444 | 2712 |
| BCSI 1800    | 3070 | 3777 | 2889 |

- The actual dimension is subject to changes without prior notice, kindly refer to GTG Technical Submittal for further details
- Other arrangements / configuration are available. Please contact your local GTG Office

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