

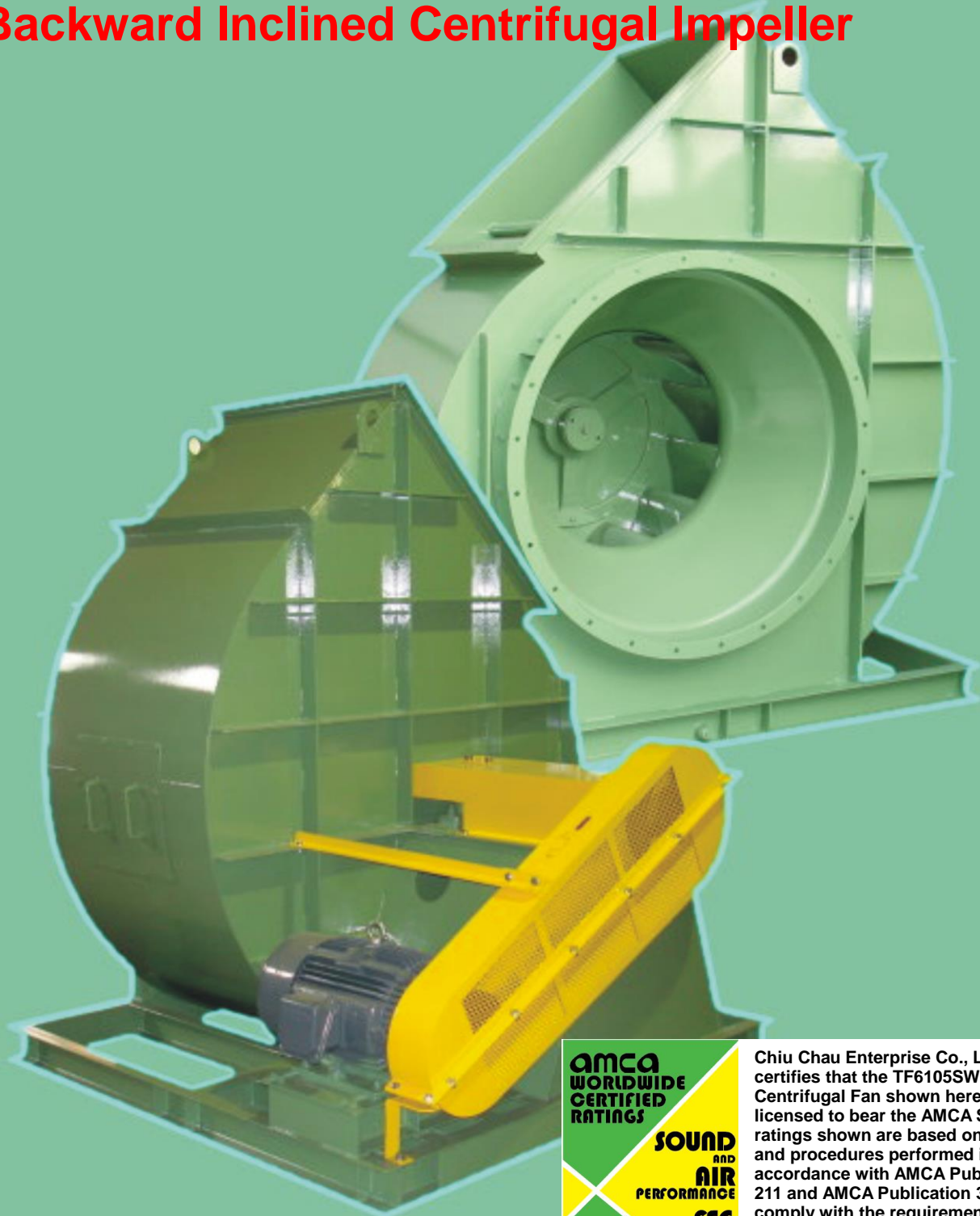


# CHIU CHAU Enterprise Co., Ltd.

## TF6105SW

TF6105SW February 2021

## Backward Inclined Centrifugal Impeller



Chiu Chau Enterprise Co., Ltd. certifies that the TF6105SW Centrifugal Fan shown herein are 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.

## Quality Reputation Service

# Prospectus

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Idea of operation: Prime in authentication, everlasting operation

Quality policy: Good quality, customer satisfaction

In the beginning of this instruction, first we thank for the support given from all parties, we always keep good contact with old customers and exploit new market aggressively, realize continue, stable and coordinate development. The agreement contracted, proceeds, income after taxed both create peak in history. In order to affirm the foundation, we passed ISO 9001 quality management system accreditation. We prime the motto of “authentication, everlasting operation, good quality, customer satisfaction” as subject of national economy, providing first class product to society.

## Product Feature

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- Production equipment: dynamic balance calibration unit, hydraulic bending bed, hydraulic shear, level lathe, plasma cutting unit, CO2 electric welding set screw press, Argon welding set.
- Testing equipment: spectrum analyzer, laser aiming unit, thermal linear anemometer, noise decibel gauge, U tube, electronic pressure gauge, thermometer, tachometer, Pitot tube, diaphragm gauge, caliper.
- Education & training: monthly fixed 4 hours on-job training, invited professional lecturer, the contents of the program include professional know-how, production management, quality control and so on. Two or three persons are selected to attend visit and practice in academic unit yearly.
- Quality control: meet ISO 9001 quality management system.
- After sale service and handling of customer complaint: We provide customer service and maintenance service department exclusive for requirement of after sale service and handling of emergency incident., proceed subject to each customer complaint case, failure determination, cause analysis, trouble shooting, case classification and management. Cope with periodical maintenance of the user yearly.

# Example of Fan Curve Reading

## TF6105SW-2214 (Inlet Sound Power)

**Air Flowrate** **Q=2.681 CMS** Total Pressure (Pa)

**TF6105SW-2214**

**Outlet Velocity** **V=10.72 m/s**

**Total Pressure** **Pt=2164 Pa**

**Velocity Pressure** **Pv=68 Pa**

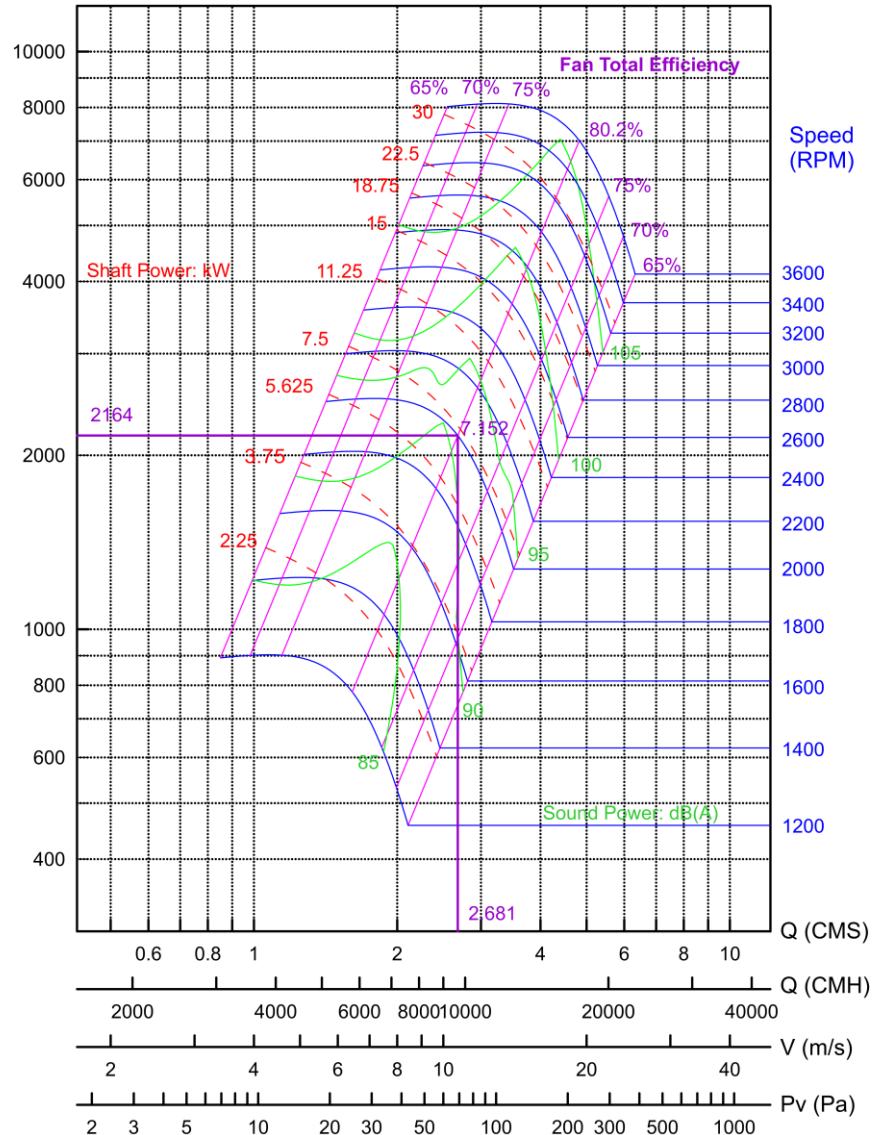
**Static Pressure** **Ps=2096 Pa**

**Fan Speed** **N=2000 rpm**

**Fan Shaft Power** **W=7.152 kW**

**Sound Power** **LwiA=90.7 dB(A)**

**Total Efficiency**  **$\eta$ =80.2%**



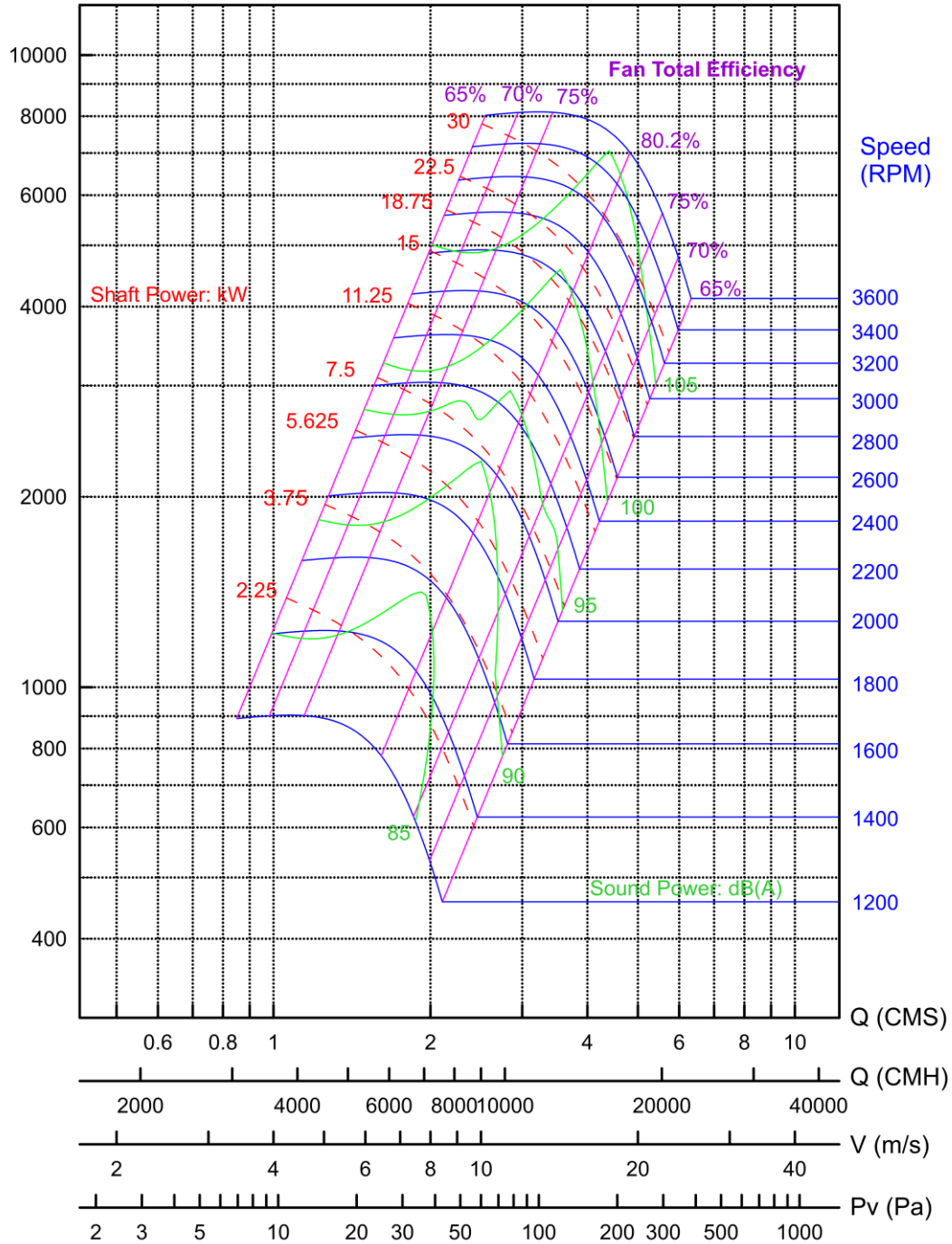
Performance certified is for Installation Type B, free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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

Total Pressure (Pa)

# TF6105SW-2214



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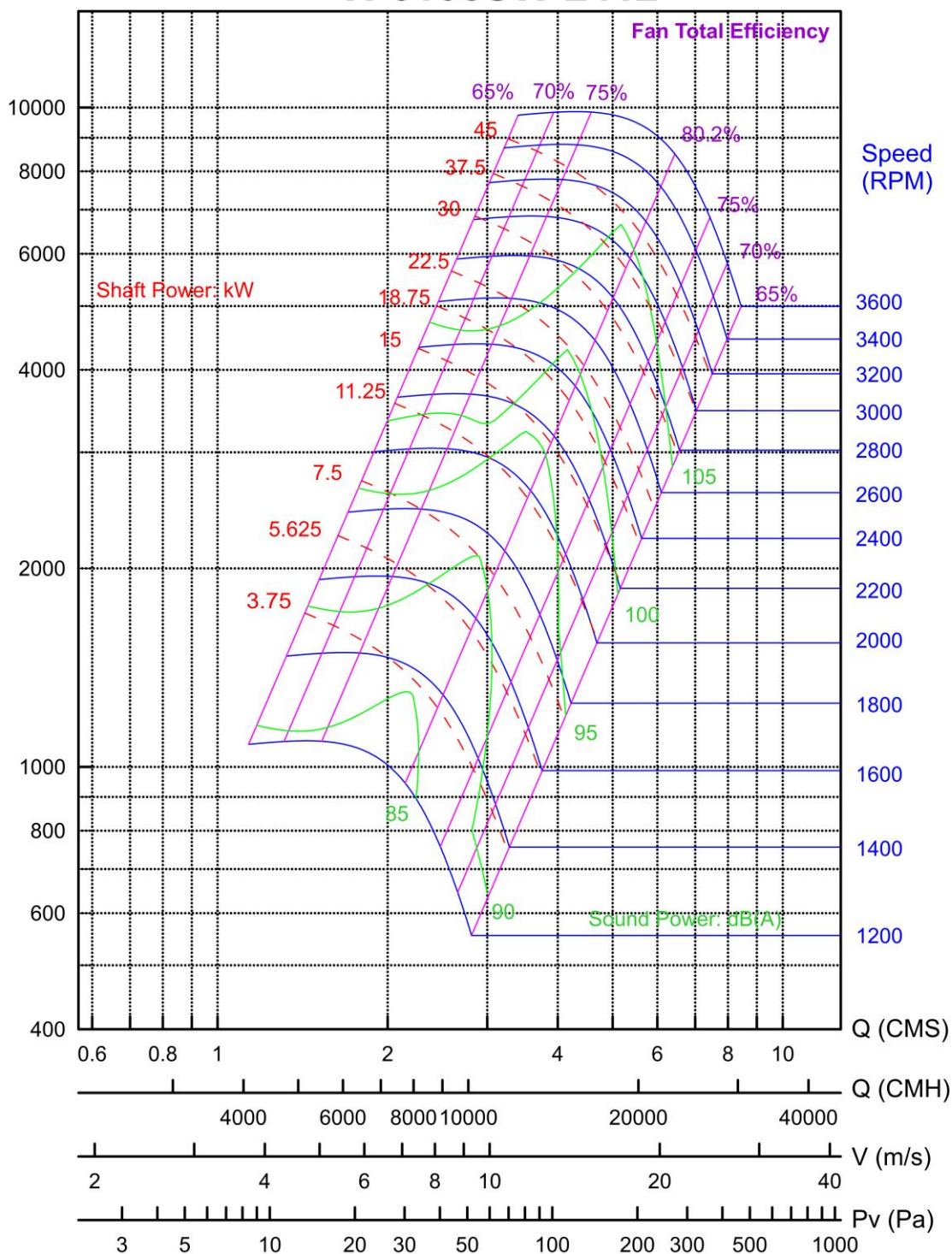


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Total Pressure (Pa)

## TF6105SW-2412

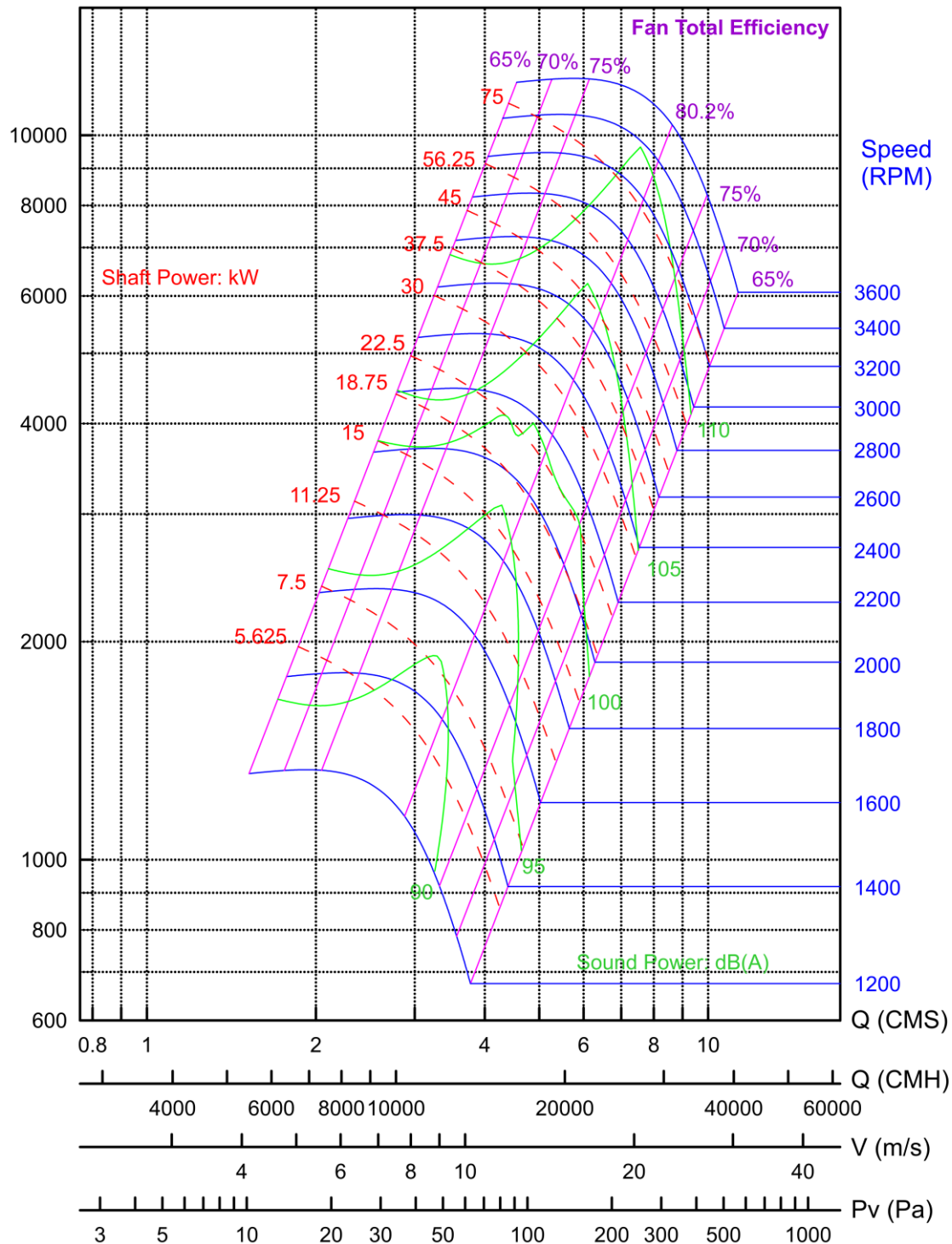


FEG 85

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 LwiA sound power levels for Installation Type B: free inlet, ducted outlet.

Total Pressure (Pa)

# TF6105SW-2700



**FEG 85**

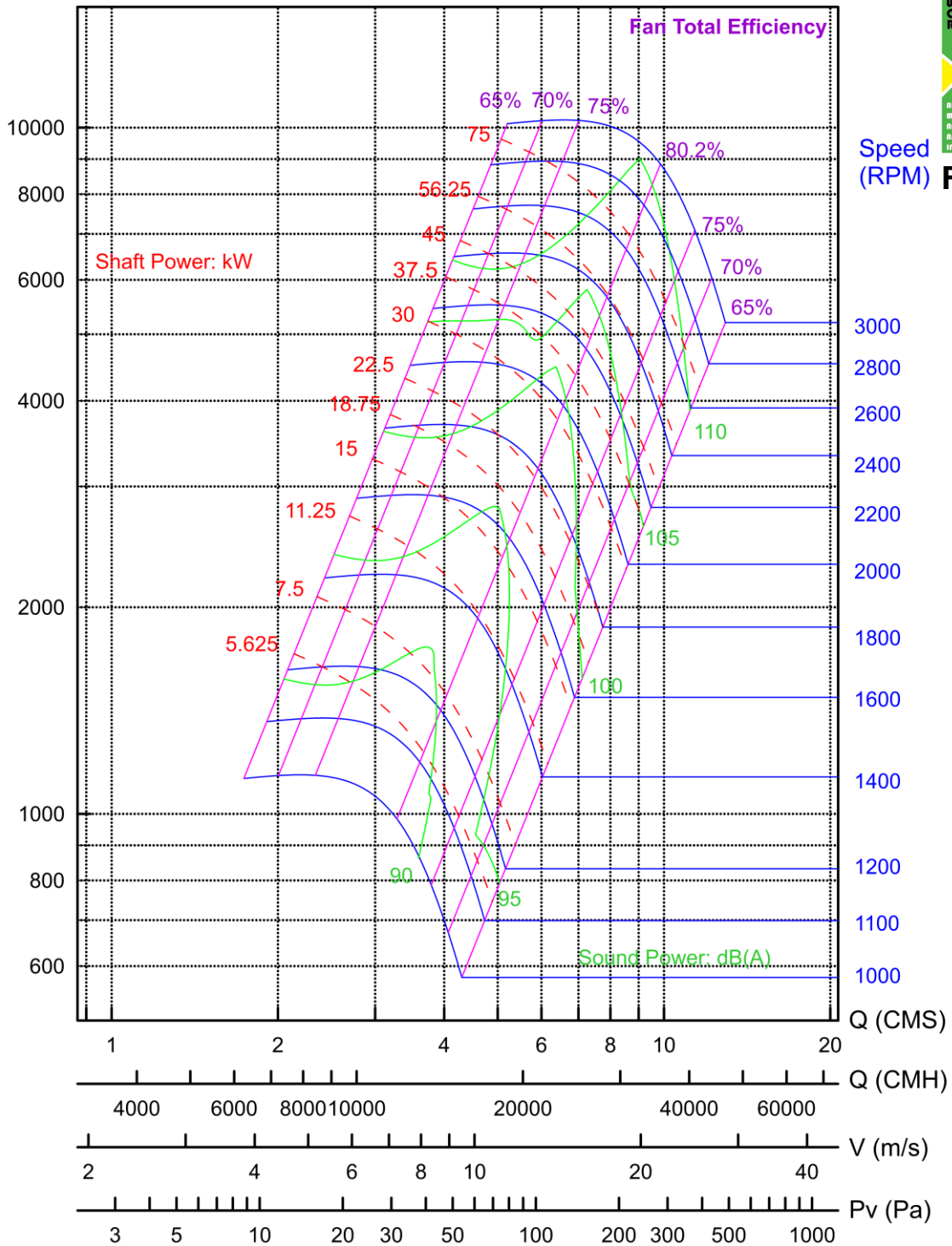
Performance certified is for Installation Type B, free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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

Total Pressure (Pa)

# TF6105SW-3000



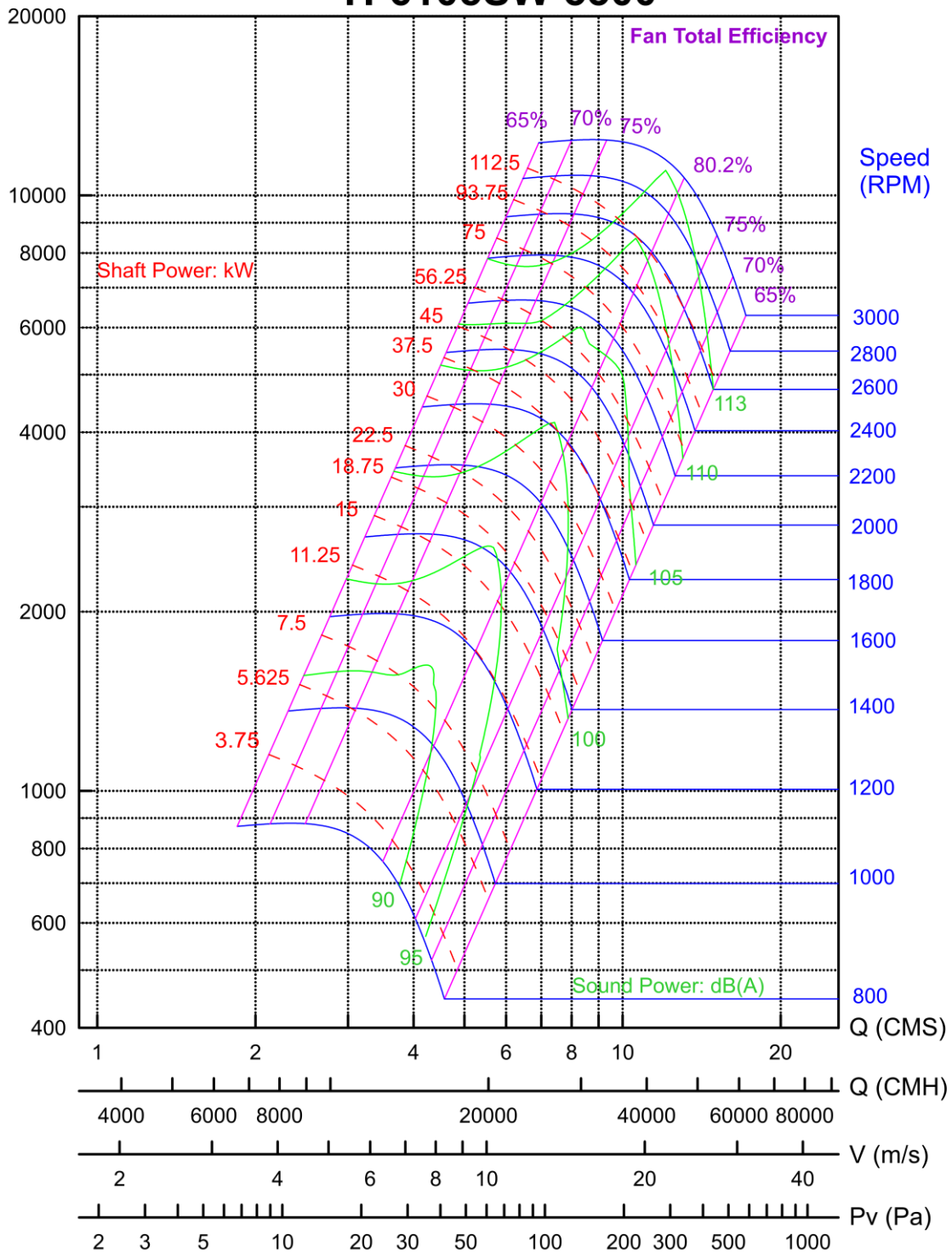
Speed (RPM) **FEG 85**



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 L<sub>wiA</sub> sound power levels for Installation Type B: free inlet, ducted outlet.

Total Pressure (Pa)

# TF6105SW-3300

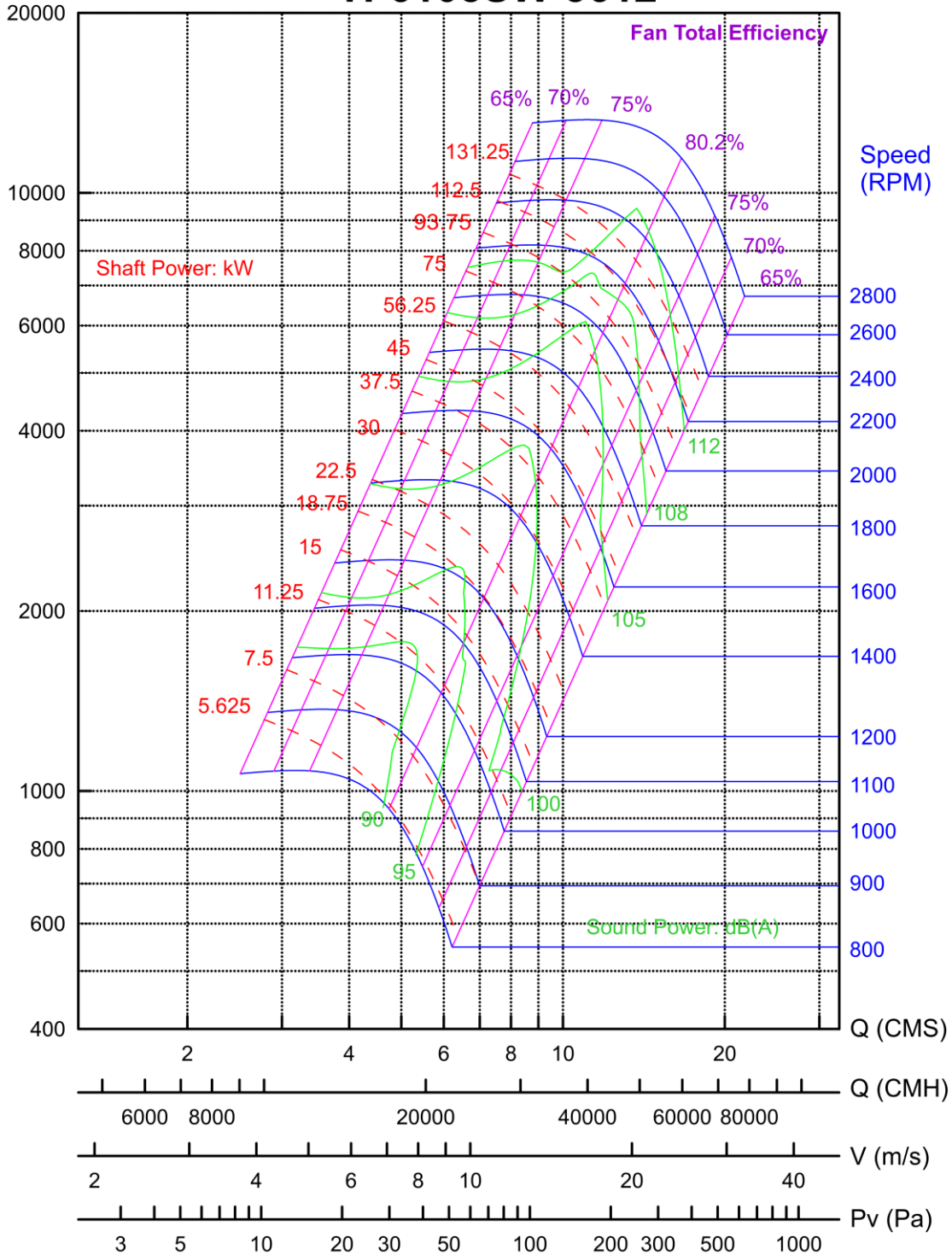


Performance certified is for Installation Type B, free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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



Total Pressure (Pa)

# TF6105SW-3612



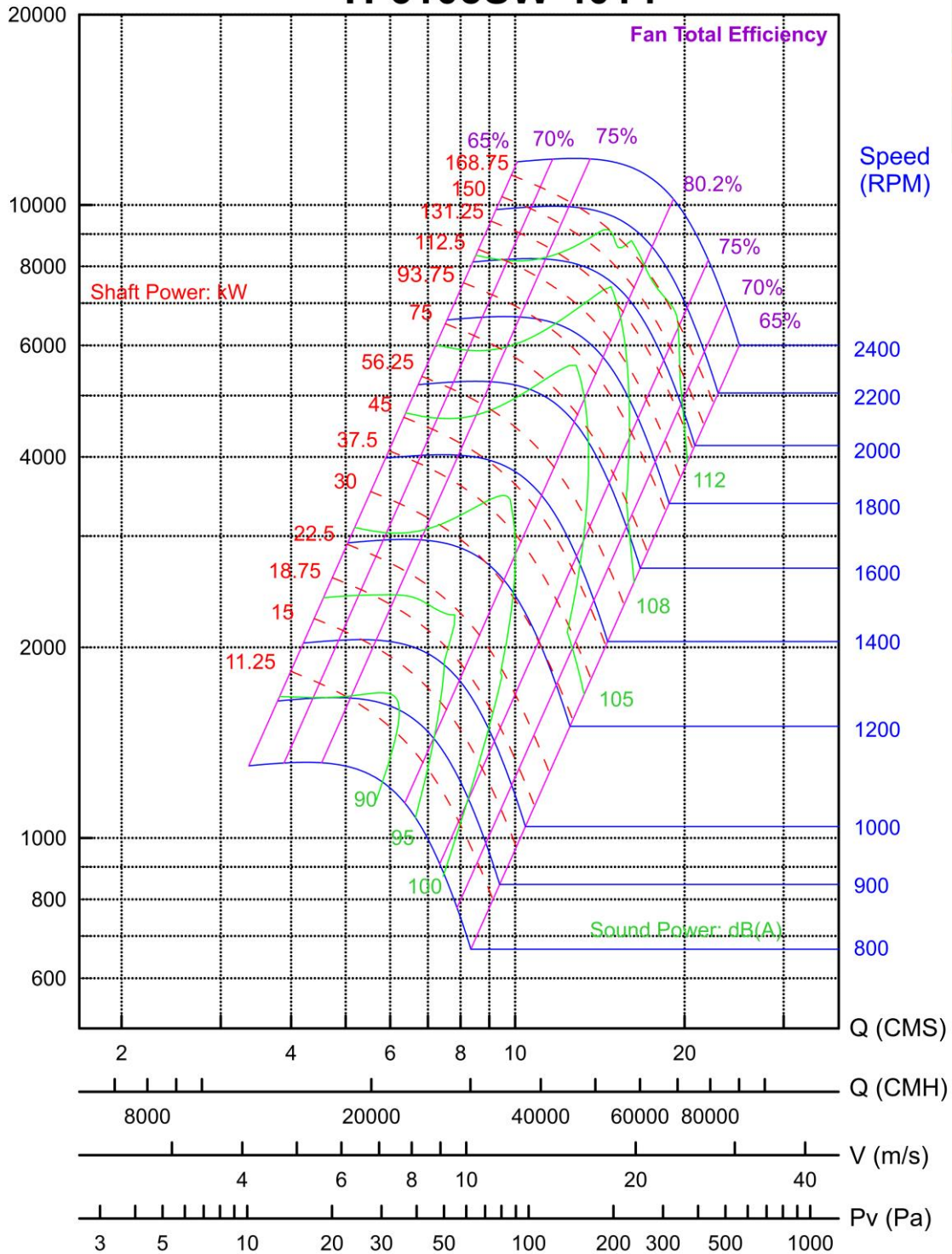
Performance certified is for Installation Type B, free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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

Total Pressure (Pa)

# TF6105SW-4014



FEG 85



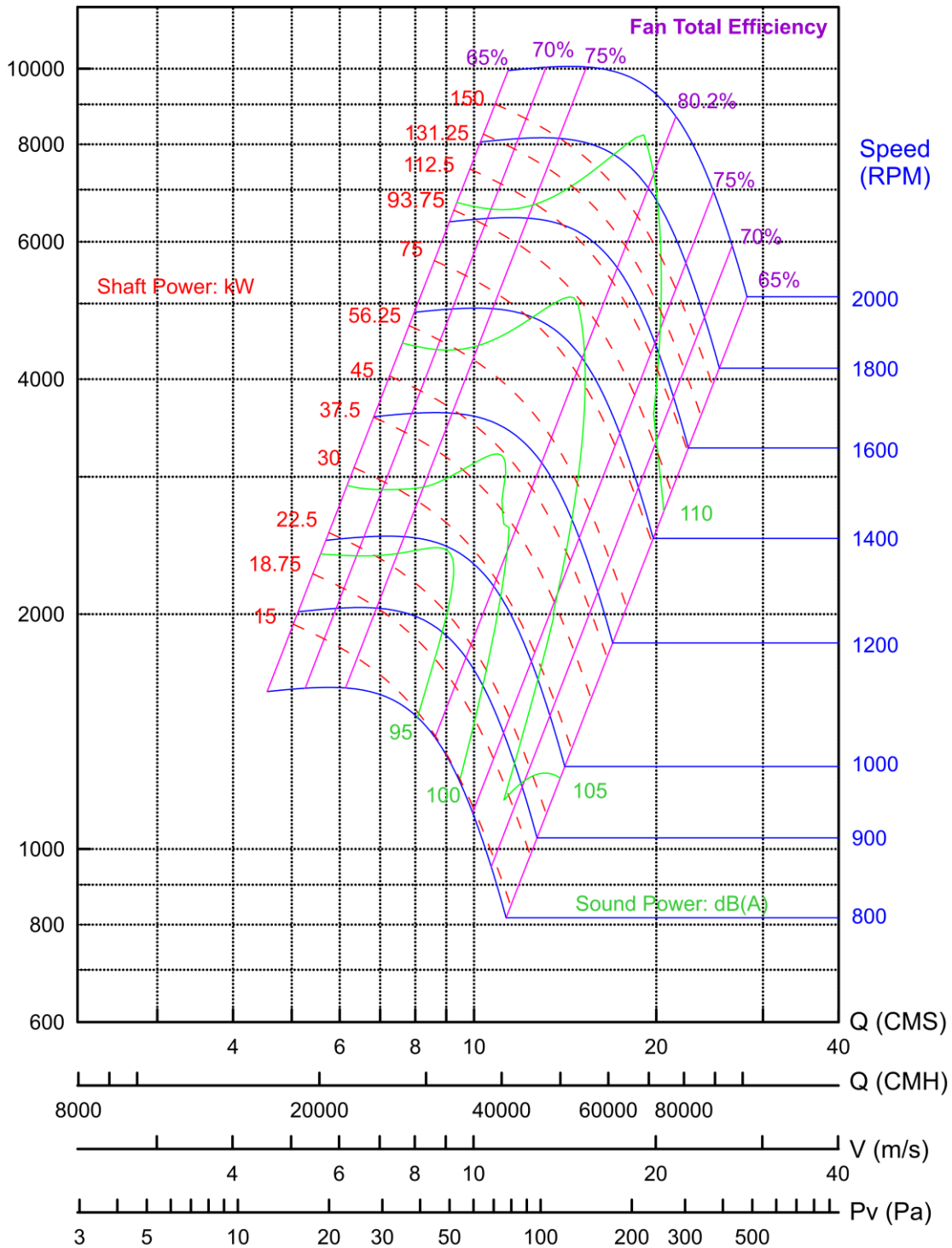
Performance certified is for Installation Type B, free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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

Total Pressure (Pa)

# TF6105SW-4412



**FEG 85**



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.

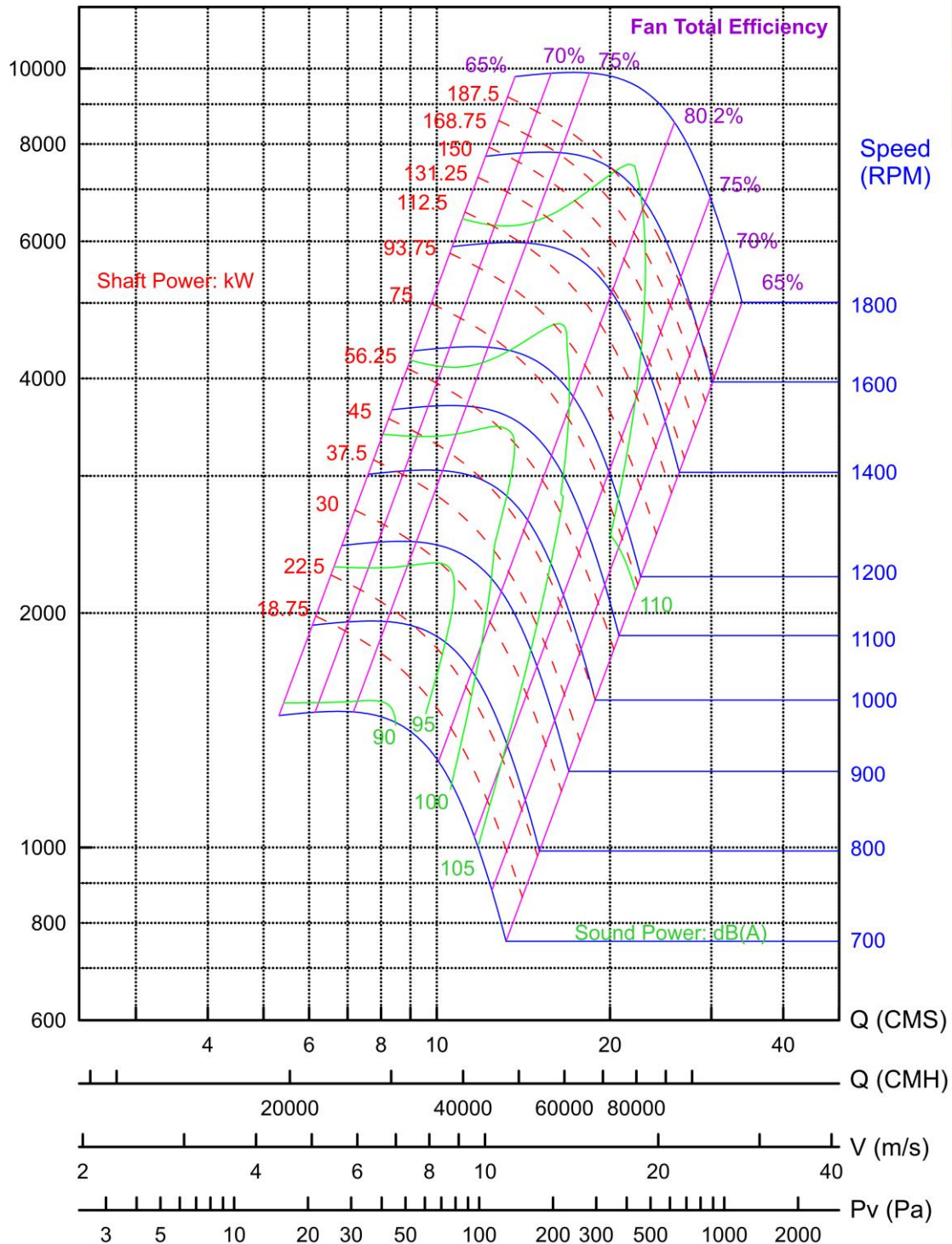


Total Pressure (Pa)

# TF6105SW-4900



**FEG 85**



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.

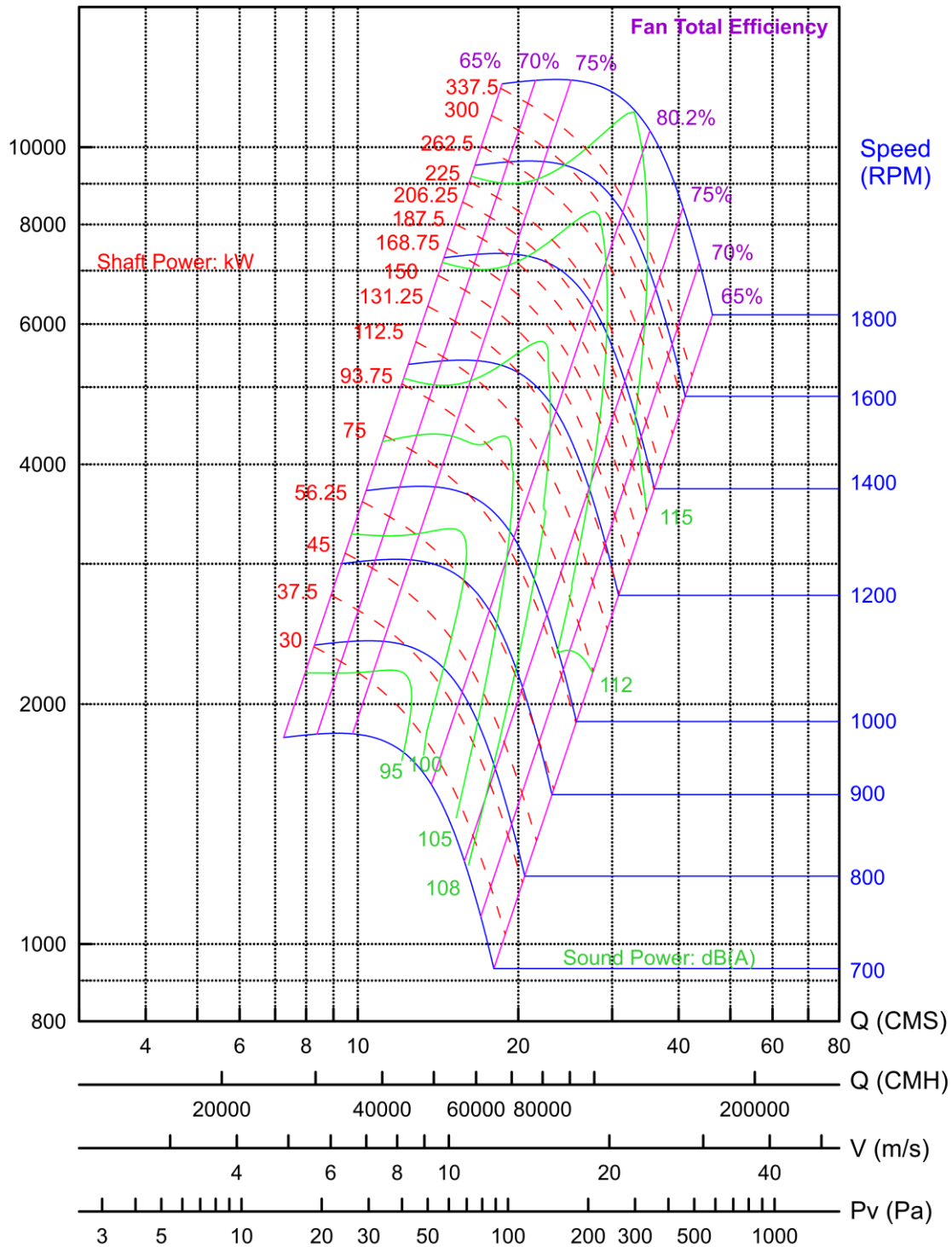


Total Pressure (Pa)

# TF6105SW-5414



Speed (RPM) **FEG 85**



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.

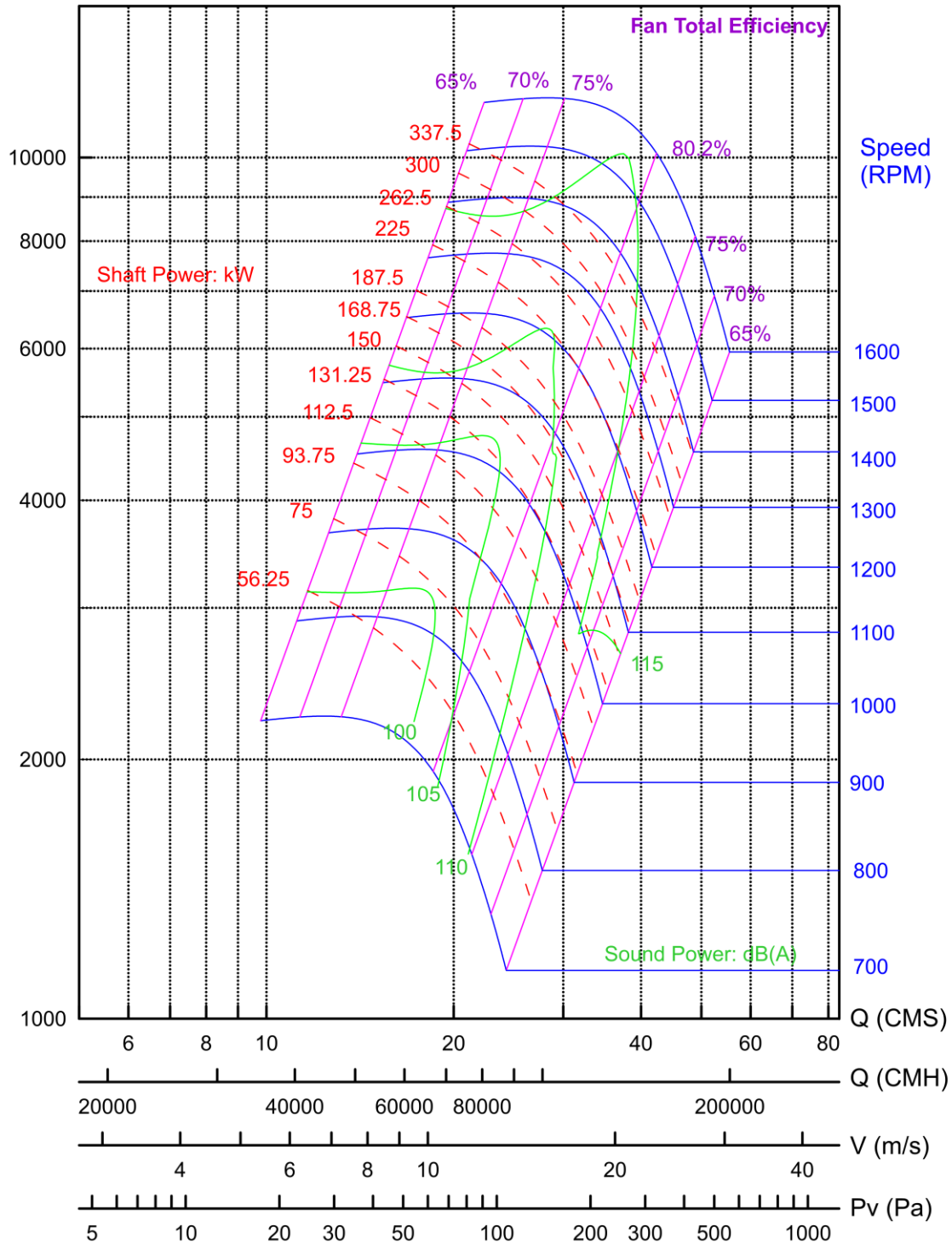
Total Pressure (Pa)

# TF6105SW-6000



Speed  
(RPM)

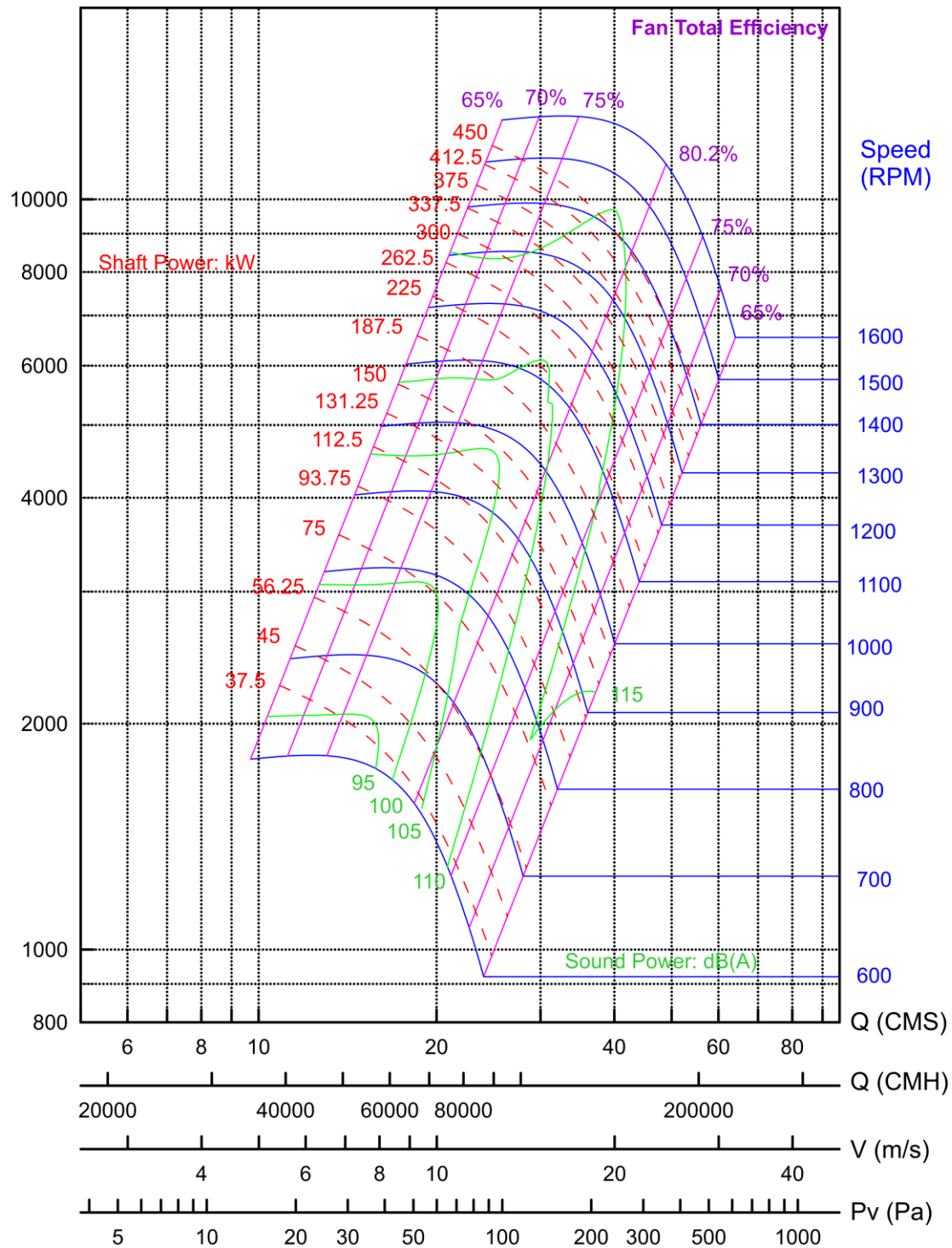
**FEG 85**



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.

Total Pressure (Pa)

# TF6105SW-6300



FEG 85

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.



CHIU CHAU ENTERPRISE Co., Ltd.

## Technology Data

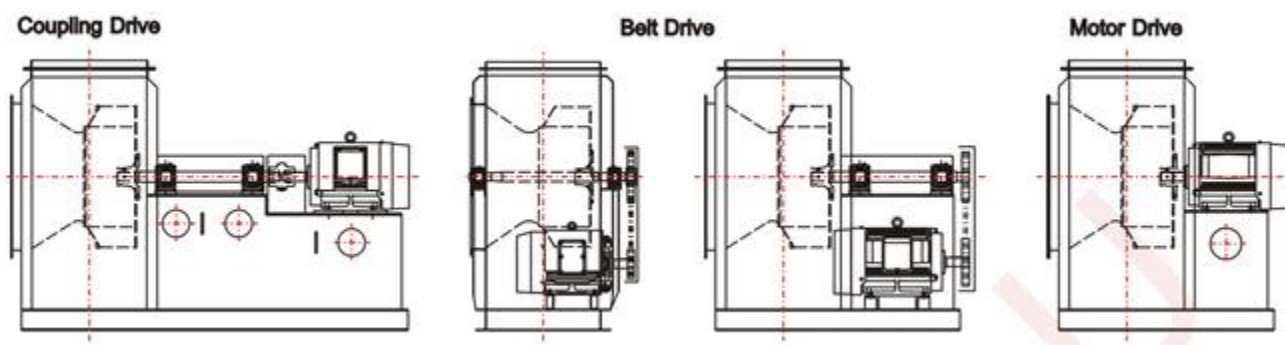
TF6105SW

2214/2412/2700/3000/3300/3612/4014/4412/4900/5414/6000/6300

### ● Fan Dimension

Model	Inlet	Outlet		Body			
	ØC	B	A	D	E	F	G
2214	Ø640	640	390	450	561	643	479
2412	Ø705	705	430	500	618	708	527
2700	Ø778	778	474	550	681	780	581
3000	Ø864	864	526	610	756	868	646
3300	Ø950	950	580	680	832	954	711
3612	Ø1050	1050	640	750	921	1055	786
4014	Ø1160	1160	706	830	1015	1165	867
4412	Ø1280	1280	780	880	1108	1286	930
4900	Ø1410	1410	860	950	1220	1416	1024
5414	Ø1560	1560	950	1050	1351	1568	1134
6000	Ø1730	1730	1050	1150	1494	1734	1254
6300	Ø1820	1820	1100	1250	1569	1825	1317

### ● Drive Type:

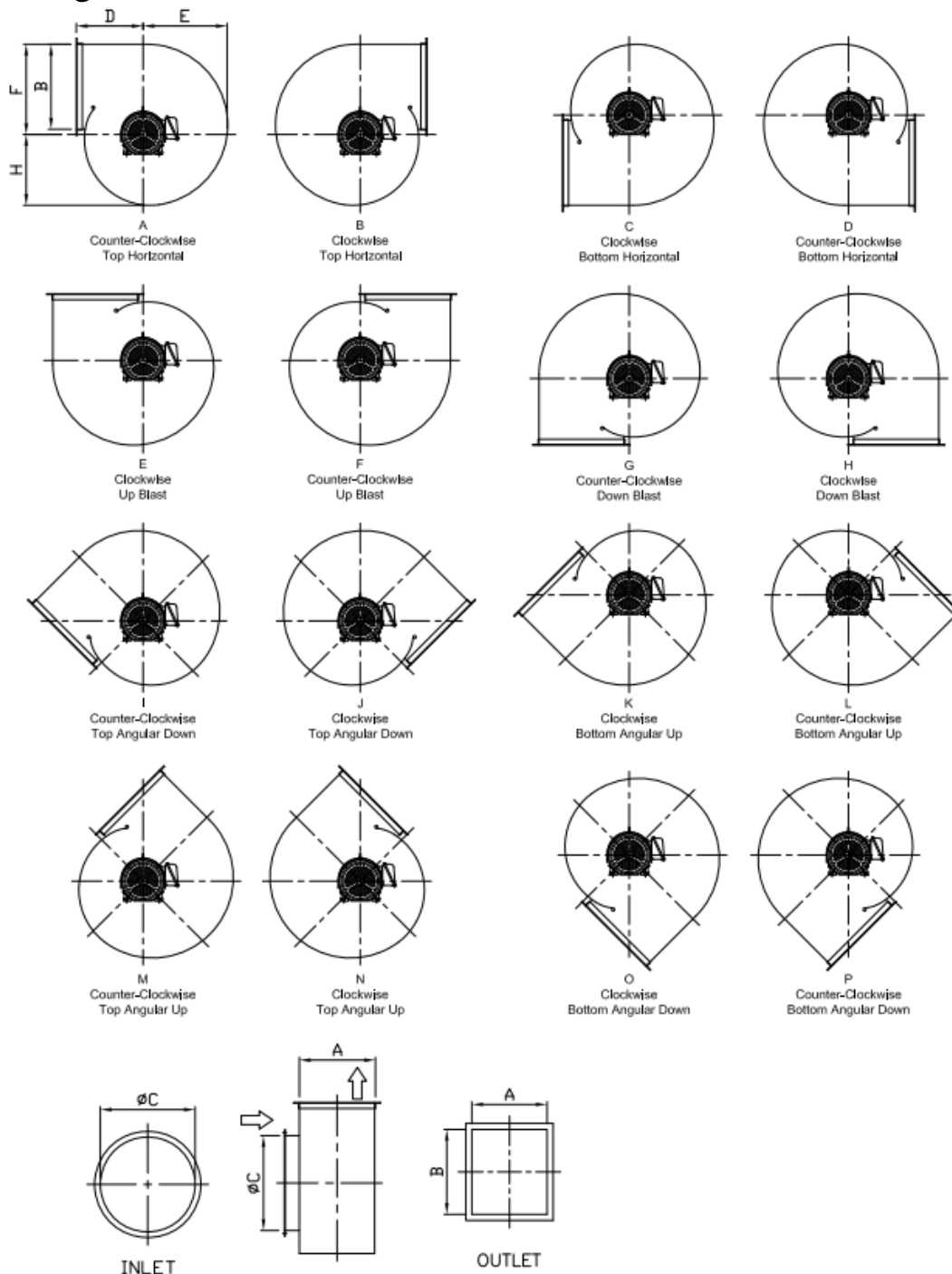






CHIU CHAU ENTERPRISE Co., Ltd.

● Rotating Orientation:



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