

# TWD

## TWIN - Direct Driven Fan





## TWD TWIN - Direct Drive Fan

DYNAIR® is the industrial division of Maico Italia S.p.A. and is a well known brand name at global level in the industrial ventilation and plant engineering sector. Technological expertise, high production capacities, strong research and investment policies together with a personalized back-up service focused on customer needs have, for over 30 years, been the qualities that distinguish our company: Italian excellence renowned throughout the world and an industrial concern fortified by belonging to Maico Holding GmbH, the German group that leads the way in the ventilation industry.

### Experience and high technology at your service

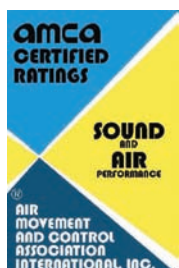
Living in a market in continuous evolution, DYNAIR® bases its force on a step by step project follow-up in close collaboration with the customer to create tailored and highly reliable solutions.

The latest addition to the ever evolving DYNAIR® range of products is the TWIN-D range where 2 blowers of DIDW fan inside a cabinet.

DYNAIR's products follow stringent policy of research and development. With safety as a priority during production, all products use top quality components that meet the relevant standards.



Maico Gulf LLC certifies that the DYNAIR model "TWD 3/4" 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 Certified Ratings Program.



Maico Gulf LLC certifies that the DYNAIR model "TWD 3/8 to 12/12" 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.



Our Total Quality policy is ensured by standard working procedures, with tests and inspections during all production phases.

DYNAIR is ISO 9001: 2000 certified.

With our production capability, wide range of finished products and components warehouse, we ensure quick delivery to all our customers. Our staff is trained and dedicated to provide before and after technical plus sales services.

### GENERAL DESCRIPTION

The fan of the TWD Series are particularly designed for installation where it is mandatory to guarantee an uninterrupted air exhaust even in case of failure. Its done by mean of fan in duty and another one in stand by which starts automatically in case of breakdown of the first fan. Duty and stand-by fans can be manually exchanged with a dedicated control panel, available in different versions (Automatic Changeover panel AC).

TW-D : Ventilation units for indoor use, suitable for inline installation to a ducting system.

### CONSTRUCTION FEATURES

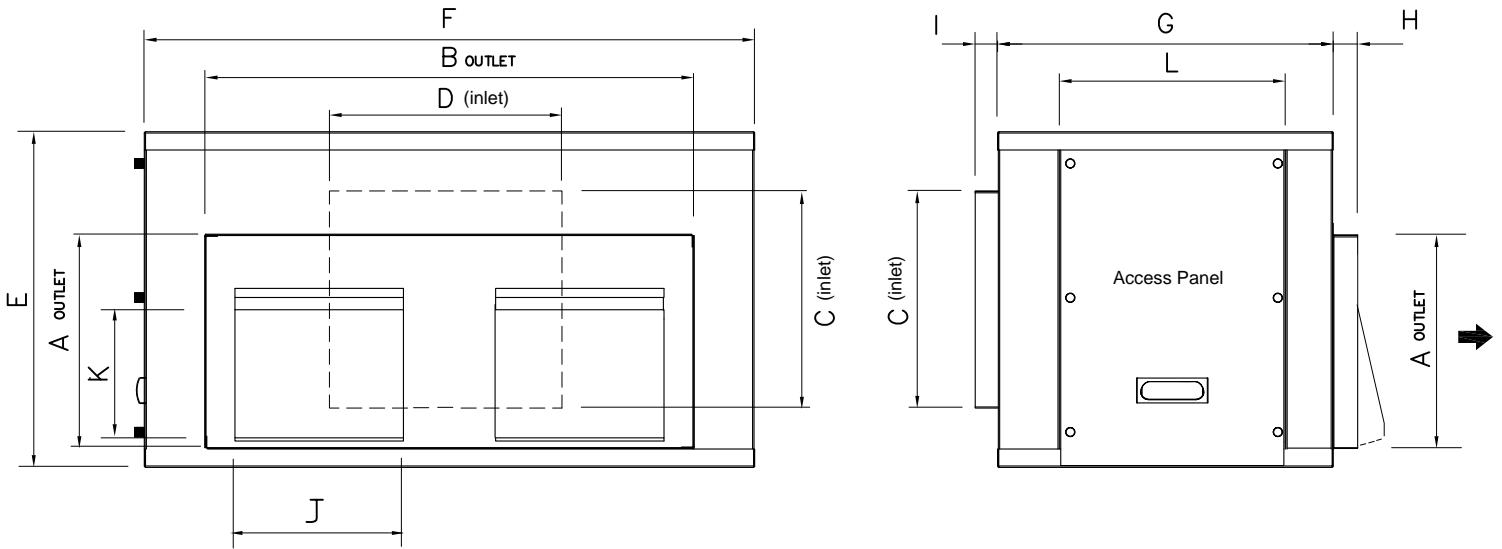
- Cabinet is manufacture in galvanized/Aluminium sheet, removable access panel on Right side while viewing from inlet to allow easy access to fan and motor.
- Acoustic lining in self-extinguishing techno polymer. (UL 94 HF1 polyurethane)
- Double inlet Blower, Forward curved, with direct drive built -in asynchronous Motor, single phase or three phases, particularly suitable for speed regulation (using the suitable speed regulator shown in the catalogue).
- The blower is fitted using suitable support feet and is completely isolated from casing by anti-vibration mounts and gaskets.

### OPTION FEATURES

- Version with double skin panels (20 mm thick)
- Different discharge orientation
- Customized Cabinet size.
- TW-D construction available in aluminium extruded profile on request

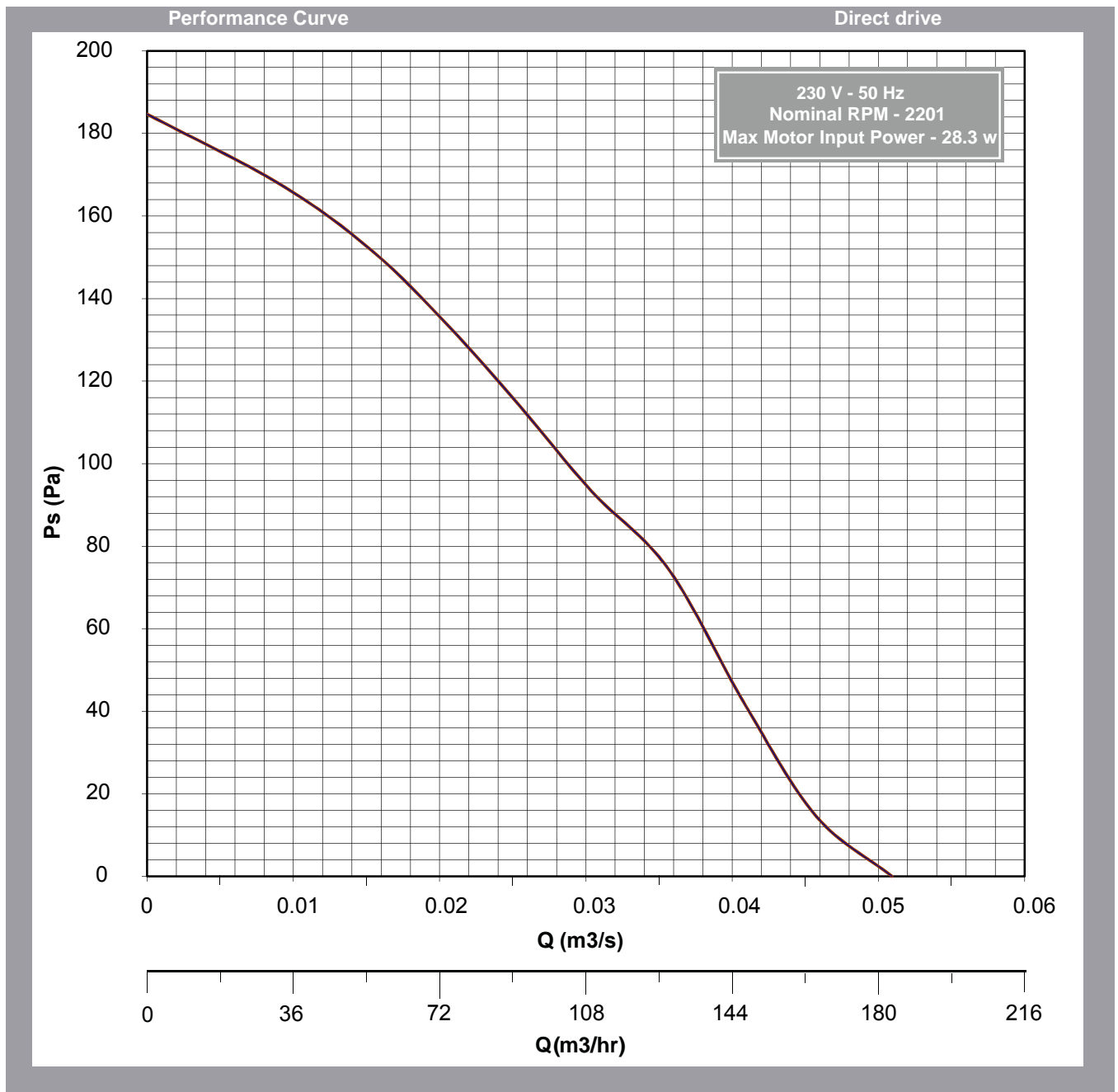


**ASSEMBLY DRAWING**



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	WEIGHT (GI cabinet) Kg	WEIGHT (Al cabinet) Kg
TWD 3/4 B4M	125	420	165	300	300	700	300	40	40	154	75	220	15	10
TWD 3/8 B4M	200	750	200	300	350	900	350	40	40	230	106	220	22	18
TWD 7/7 B4M	350	800	350	400	550	1000	550	40	40	230	210	370	34	28
TWD 7/7 A6M	350	800	350	400	550	1000	550	40	40	230	210	370	34	27
TWD 9/7 B4M	350	800	350	400	600	1000	600	40	40	230	264	370	48	40
TWD 9/7 A6M	350	800	350	400	600	1000	600	40	40	230	264	370	44	35
TWD 9/9 B4M	400	1000	400	500	600	1200	600	40	40	300	264	370	54	45
TWD 9/9 A6M	400	1000	400	500	600	1200	600	40	40	300	264	370	52	43
TWD 10/8 B4M	400	1000	400	600	600	1200	600	40	40	265	294	370	64	51
TWD 10/8 A6M	400	1000	400	600	600	1200	600	40	40	265	294	370	59	45
TWD 10/10 B4M	400	1000	400	600	600	1200	600	40	40	330	294	370	66	53
TWD 10/10 A6M	400	1000	400	600	600	1200	600	40	40	330	294	370	61	47
TWD 12/9 A6M	400	1200	400	600	750	1400	750	40	40	310	343	370	94	72
TWD 12/9 A6T	400	1200	400	600	750	1400	750	40	40	310	343	370	97	75
TWD 12/12 A6M	400	1200	400	600	750	1500	750	40	40	400	343	370	100	77
TWD 12/12 A6T	400	1200	400	600	750	1500	750	40	40	400	343	370	104	80

NOTE : ALL ARE IN G.I & ALUMINIUM CONSTRUCTION WITHOUT PROFILE


**TWD 3/4 B4M**


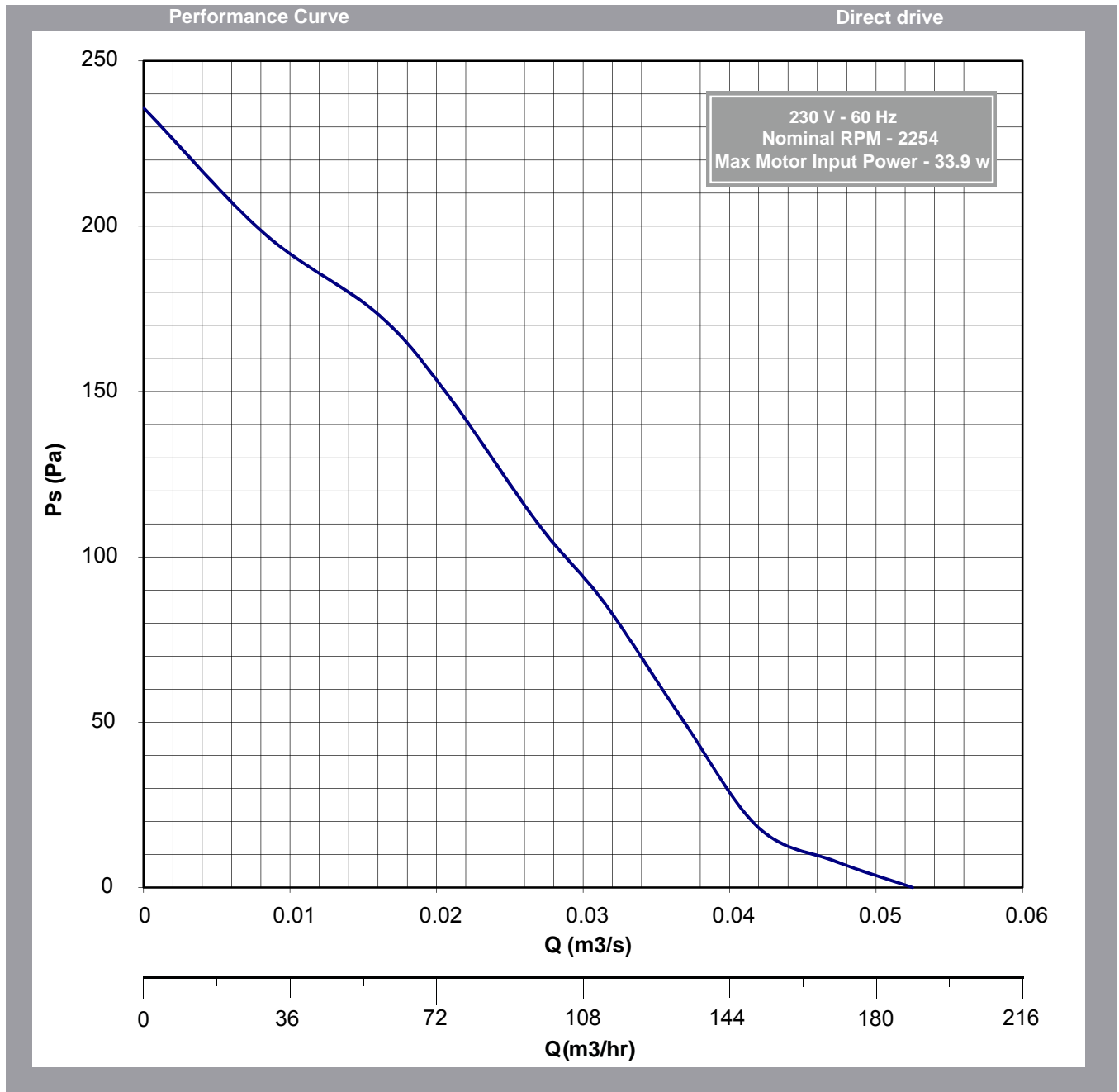
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 3/4 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 3/4 B4M	183	28.3	28	0.12	220-240/1/50	20 / F	1	AC 04	N A	51	84	86	62	63	53	50	48	44

P inp - Power input & P out - Max. Motor Power output

- Sound performance of TWD 3/4 B4M are not licensed by AMCA International. The AMCA Certified Ratings Seal applies to air performance ratings only.


**TWD 3/4 B4M**


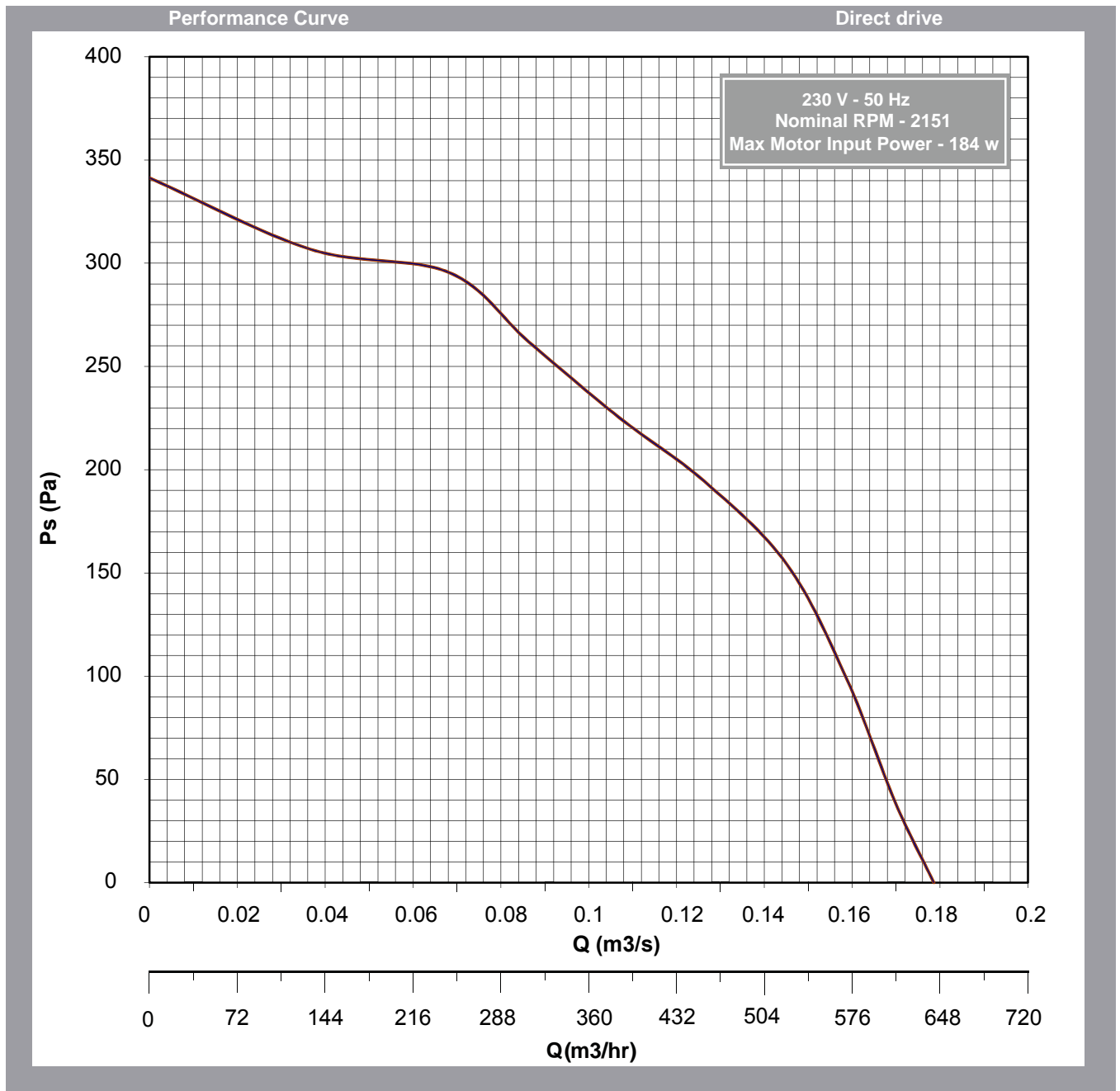
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 3/4 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 3/4 B4M	187	33.9	28	0.14	230/1/60	20 / F	1	AC 04	N A	45	86	78	62	61	50	47	45	41

P inp - Power input & P out - Max. Motor Power output

- Sound performance of TWD 3/4 B4M are not licensed by AMCA International. The AMCA Certified Ratings Seal applies to air performance ratings only.


**TWD 3/8 B4M**


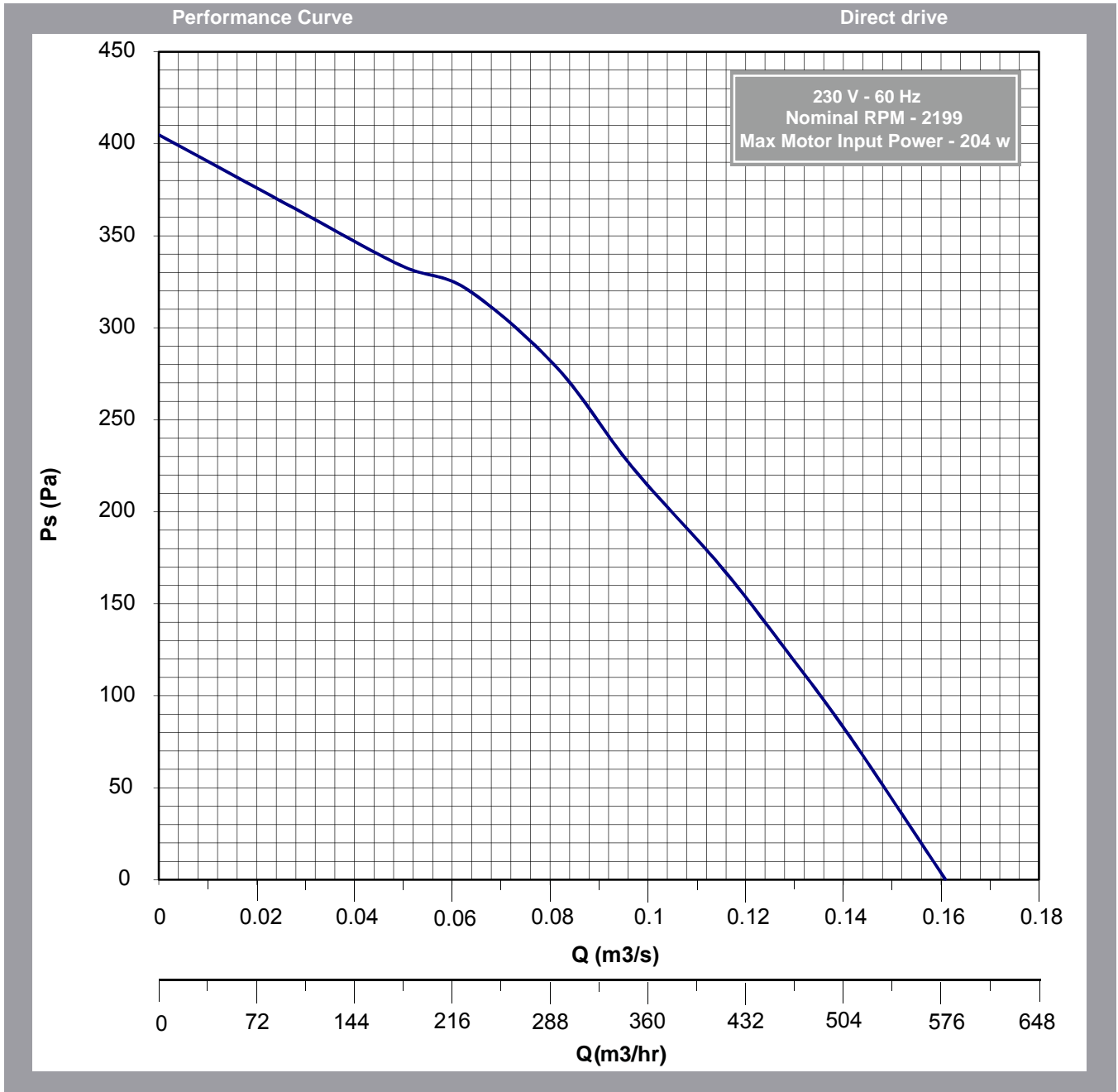
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 3/8 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 3/8 B4M	648	184	190	0.76	220-240/1/50	44 / B	3	AC 04	N A	52	85	87	63	64	54	51	49	45

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 3/8 B4M**


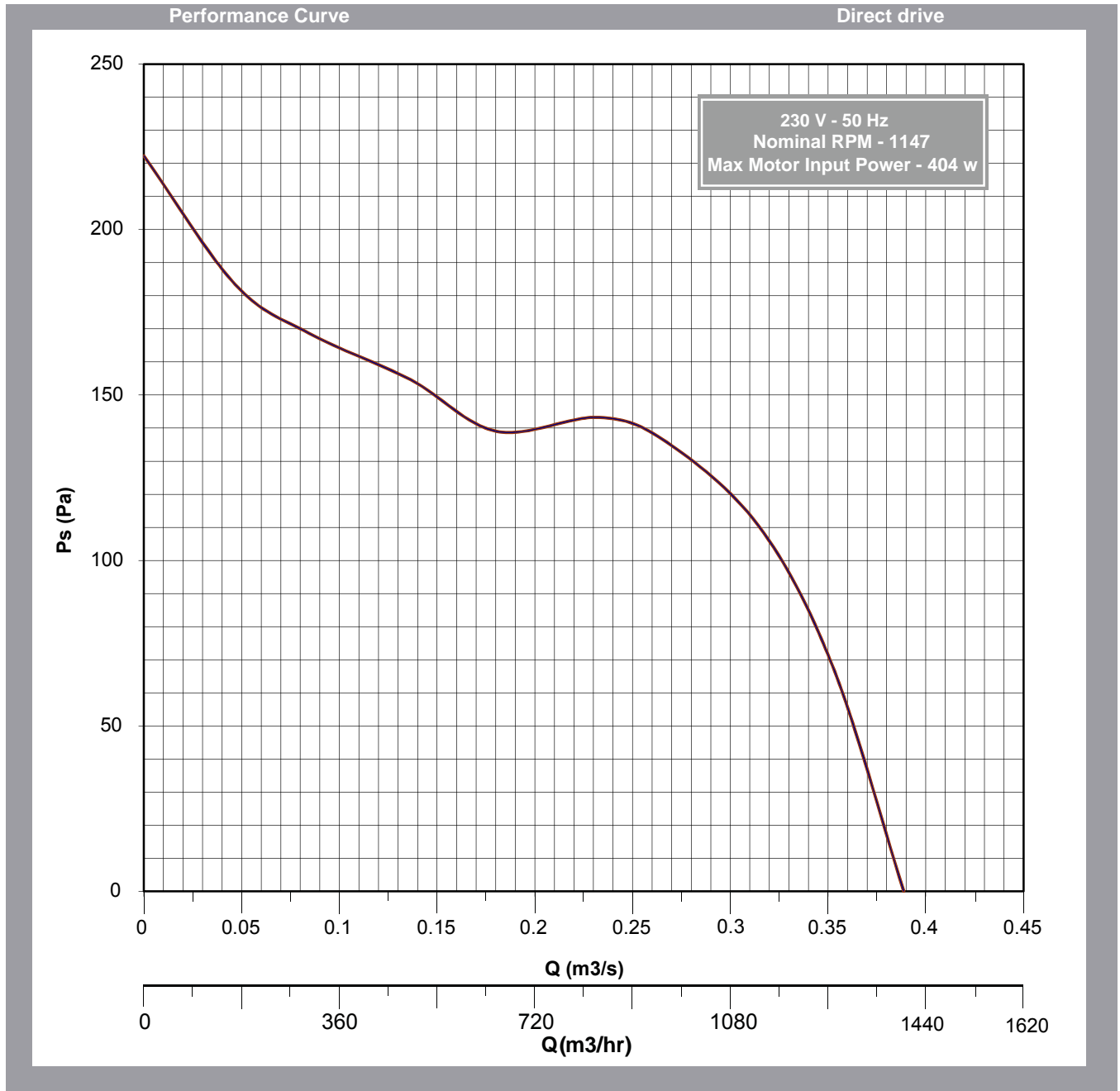
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**Technical Data for TWD 3/8 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max. airflow Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 3/8 B4M	579	204	190	0.85	230/1/60	44 / B	3	AC 04	N A	46	87	79	63	62	51	48	46	42

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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**TWD 7/7 B4M**


- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 7/7 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P in)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 7/7 B4M	1548	404	147	1.72	220-240/1/50	32 / F	3	AC 04	N A	50	84	84	71	60	56	55	52	49

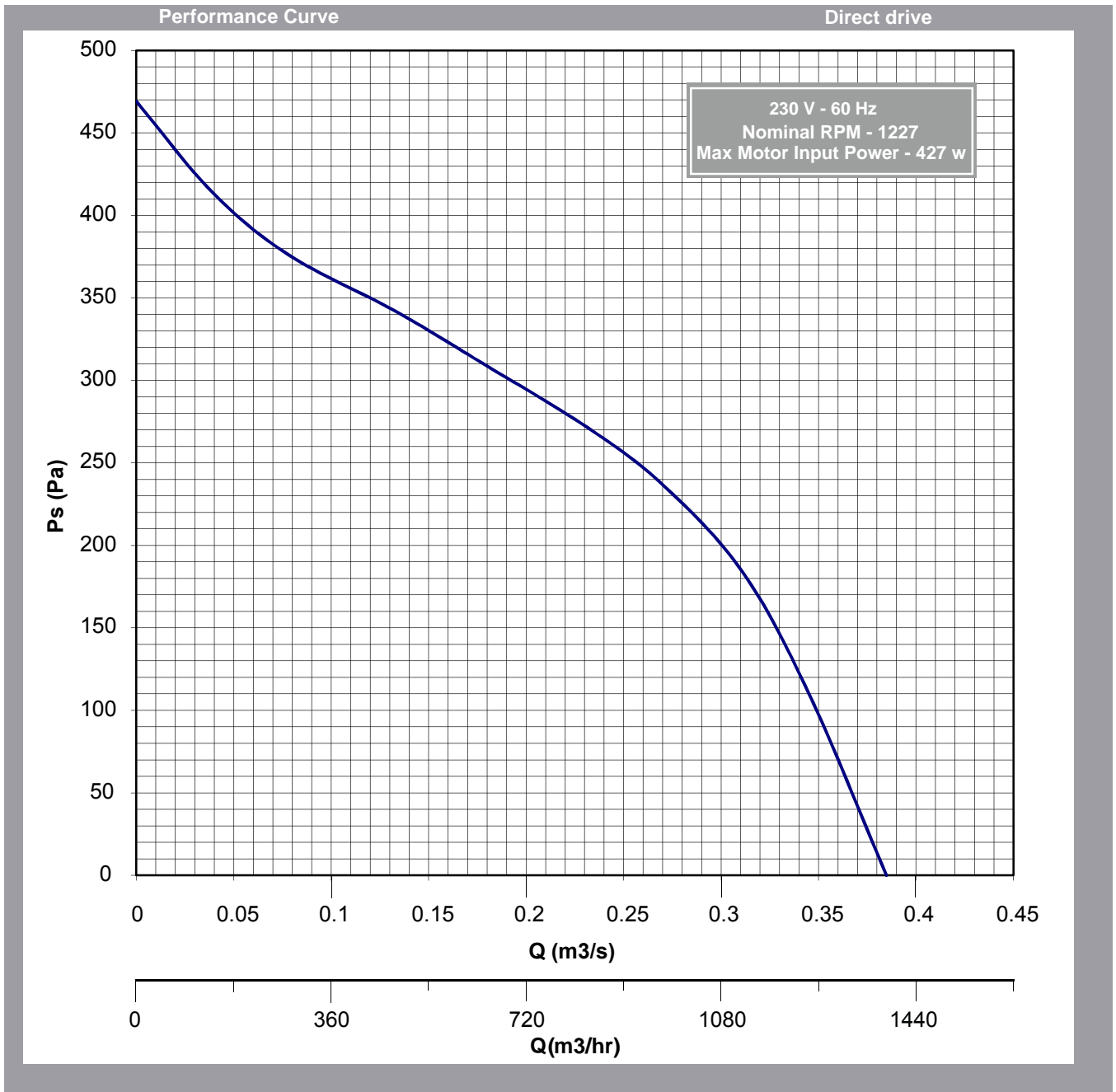
P in - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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**TWD 7/7 B4M**



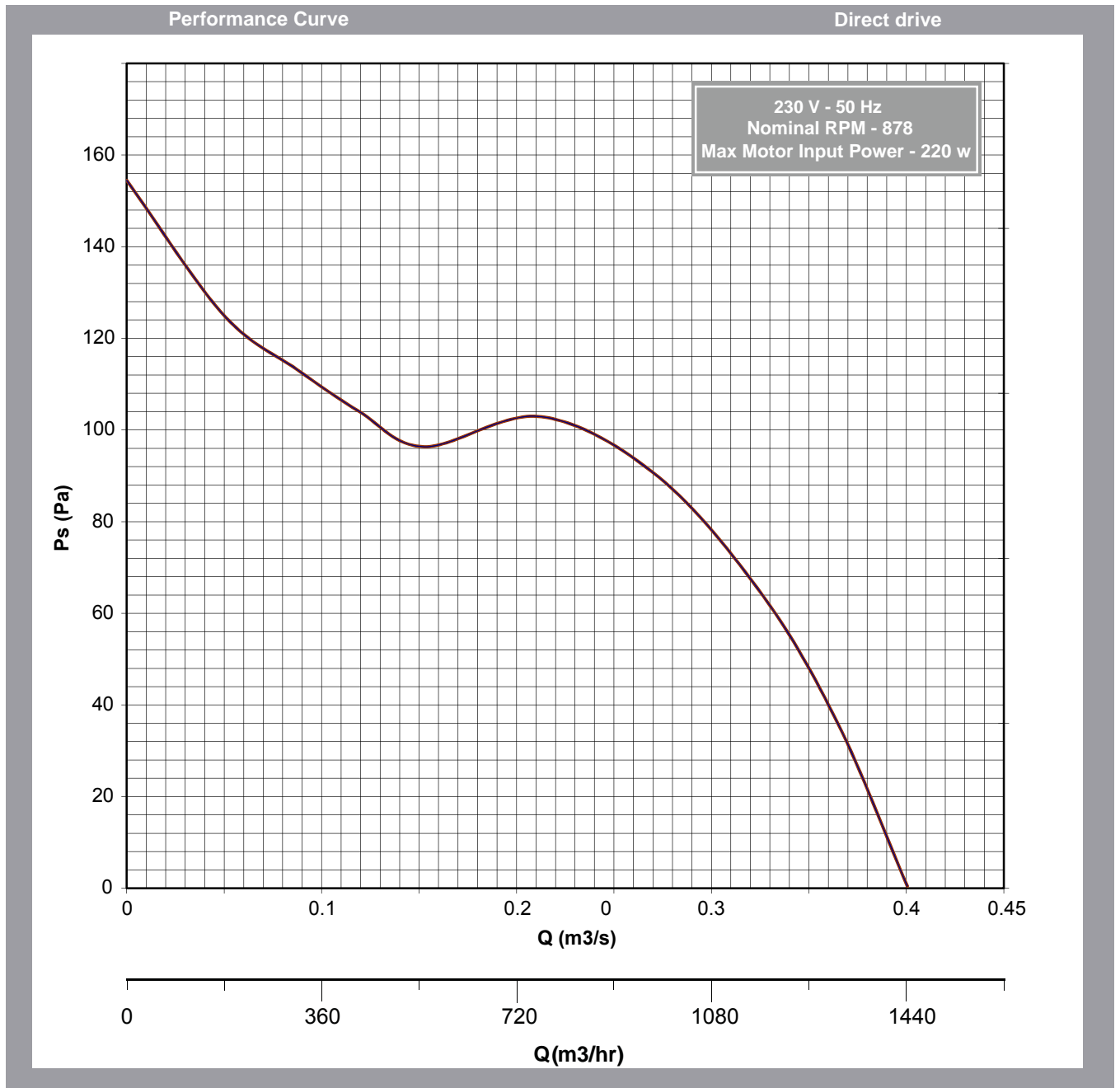
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- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 7/7 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 7/7 B4M	1548	427	147	1.84	230/1/60	32 / F	3	AC 04	N A	47	83	74	74	57	53	52	47	45

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 7/7 A6M**


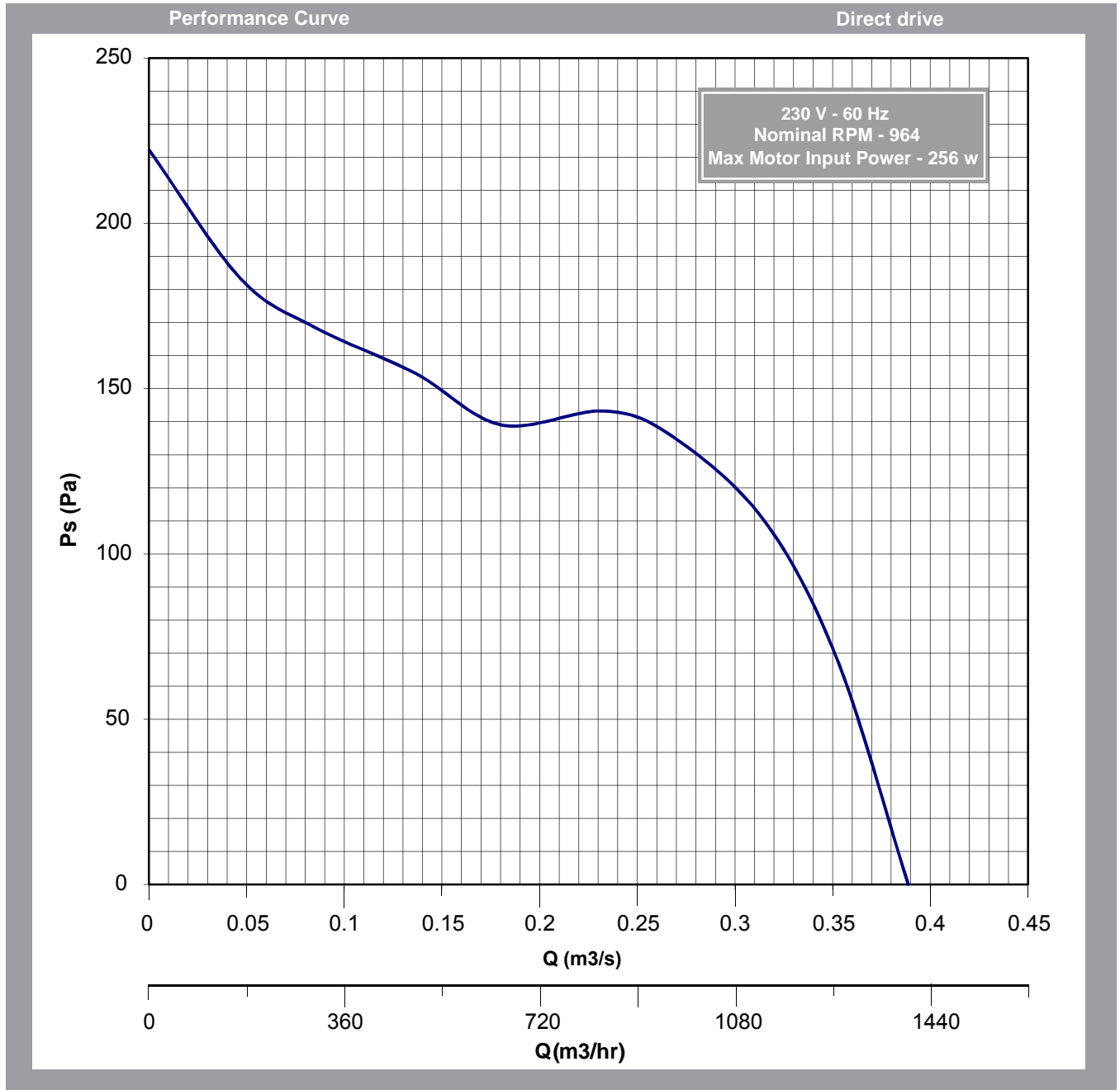
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 7 / 7 A6M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 7/7 A6M	1440	220	62	0.97	220-240/1/50	32 / F	4	AC 04	N A	47	83	77	72	59	55	53	49	46

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 7/7 A6M**


- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 7 / 7 A6M**

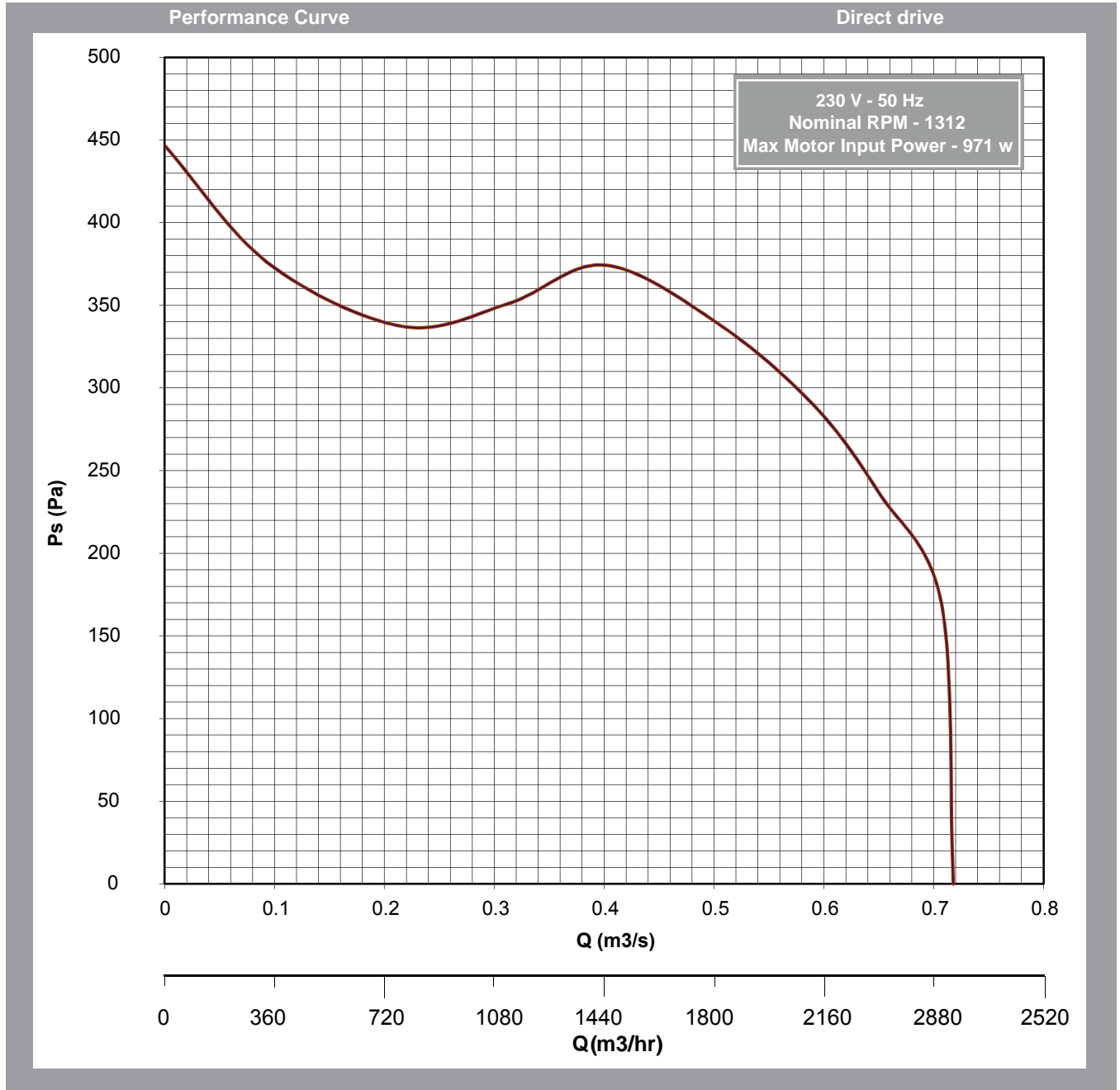
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 7/7 A6M	1404	220	62	1.1	230/1/60	32 / F	4	AC 04	N A	48	82	75	75	59	54	53	49	46

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 9/7 B4M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 9/7 B4M**

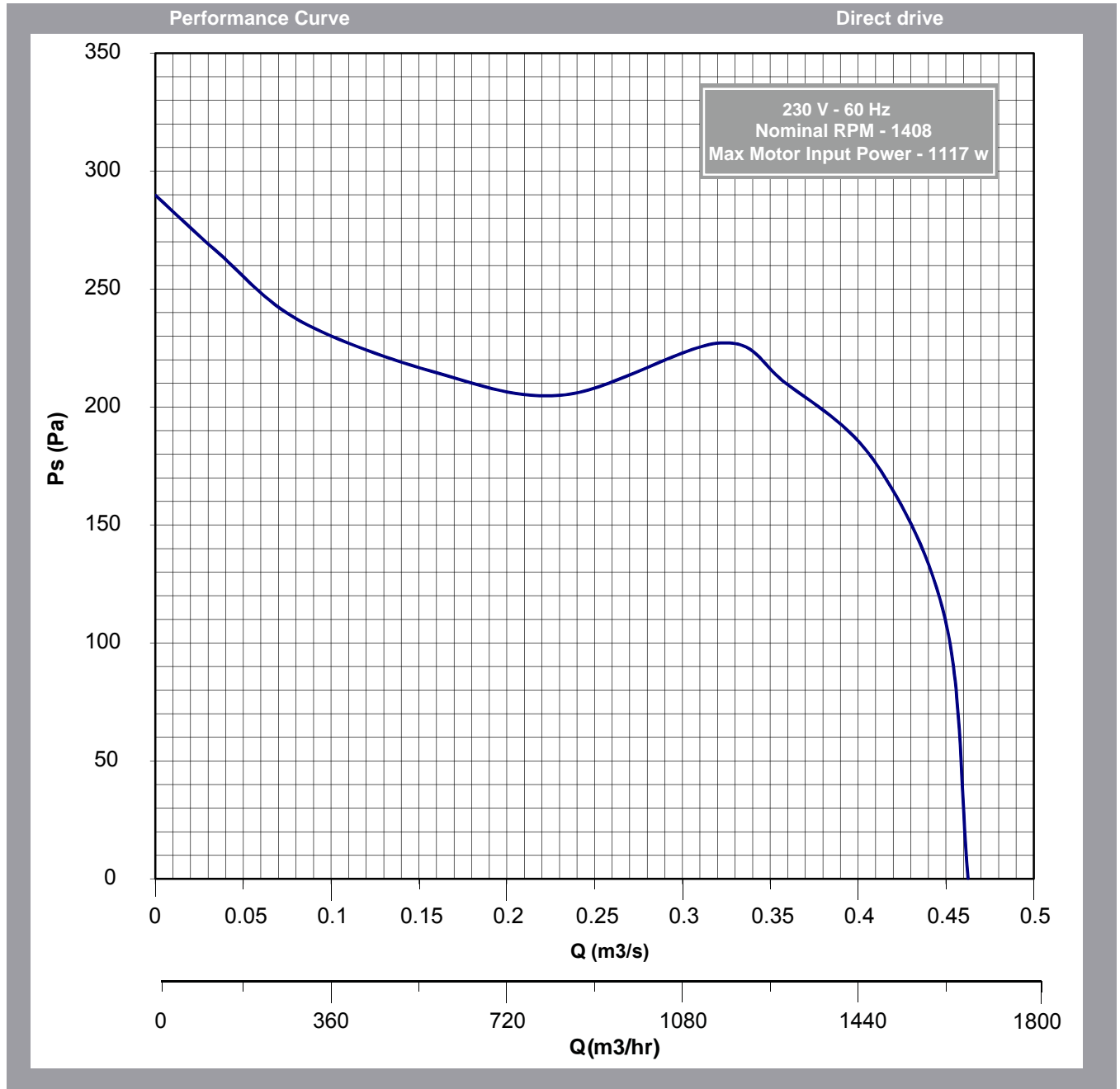
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/7 B4M	2592	971	373	4.38	220-240/1/50	20 / F	6	AC 04	N A	58	99	89	77	68	67	64	63	57

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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### TWD 9/7 B4M



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### Technical Data for TWD 9/7 B4M

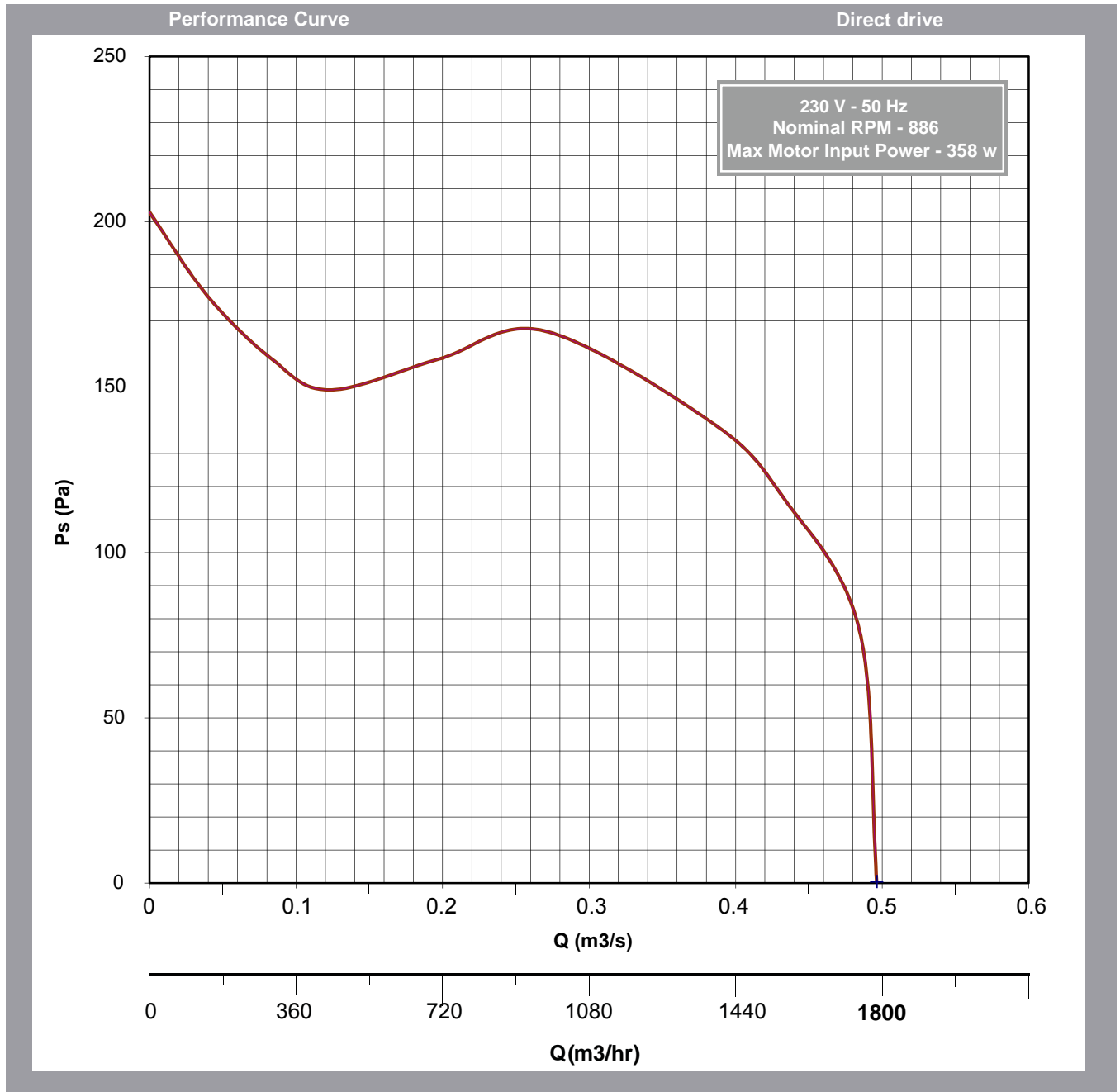
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/7 B4M	2376	1117	373	5.01	230/1/60	20 / F	6	AC 04	N A	55	96	86	74	66	64	61	59	53

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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### TWD 9/7 A6M



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- Performance certified is for installation type D - Ducted inlet, ducted outlet.

### Technical Data for TWD 9/7 A6M

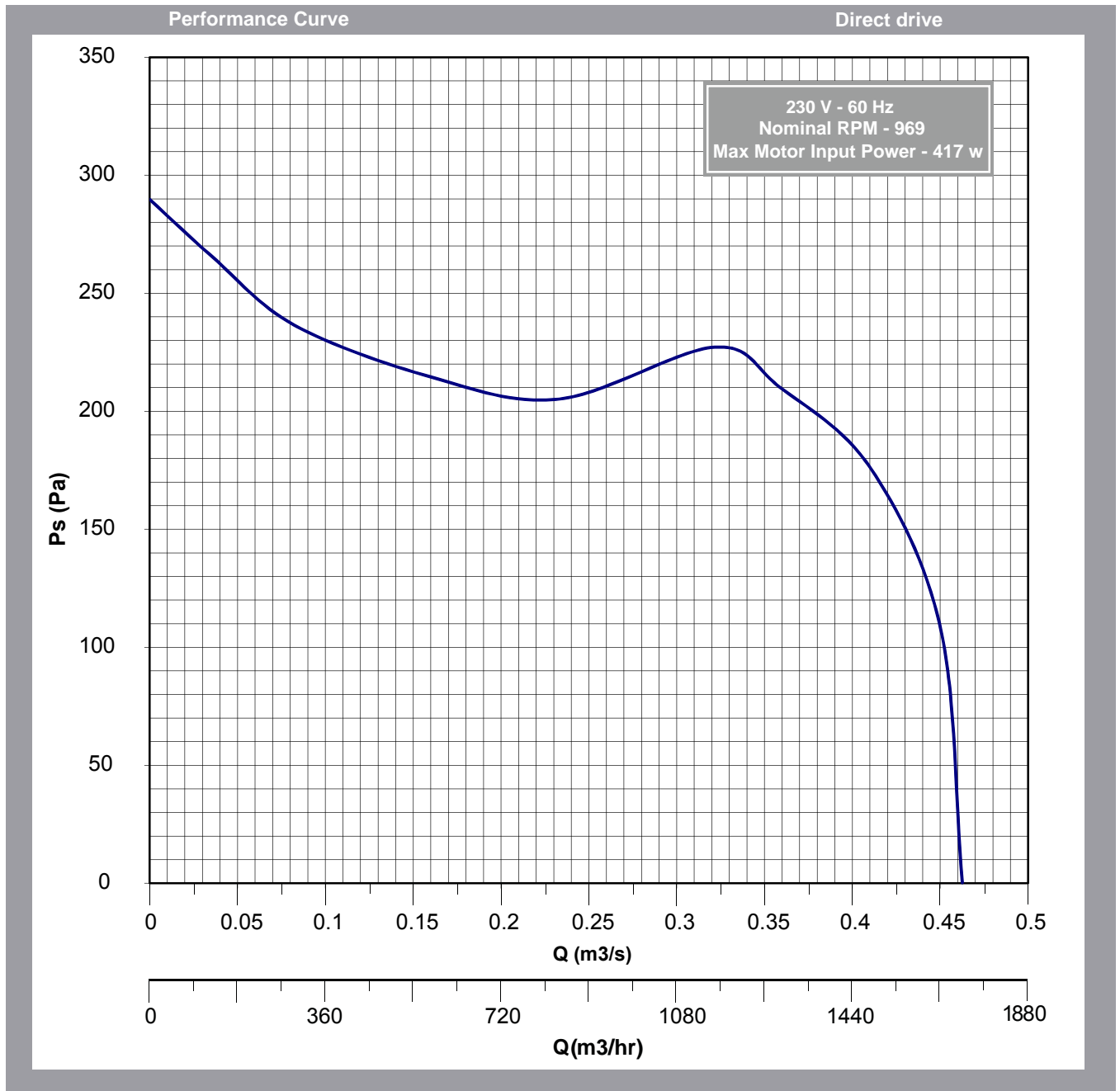
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/7 A6M	1764	358	147	1.64	220-240/1/50	20 / F	5	AC 04	N A	53	89	88	67	61	57	55	51	44

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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### Technical Data for TWD 9/7 A6M

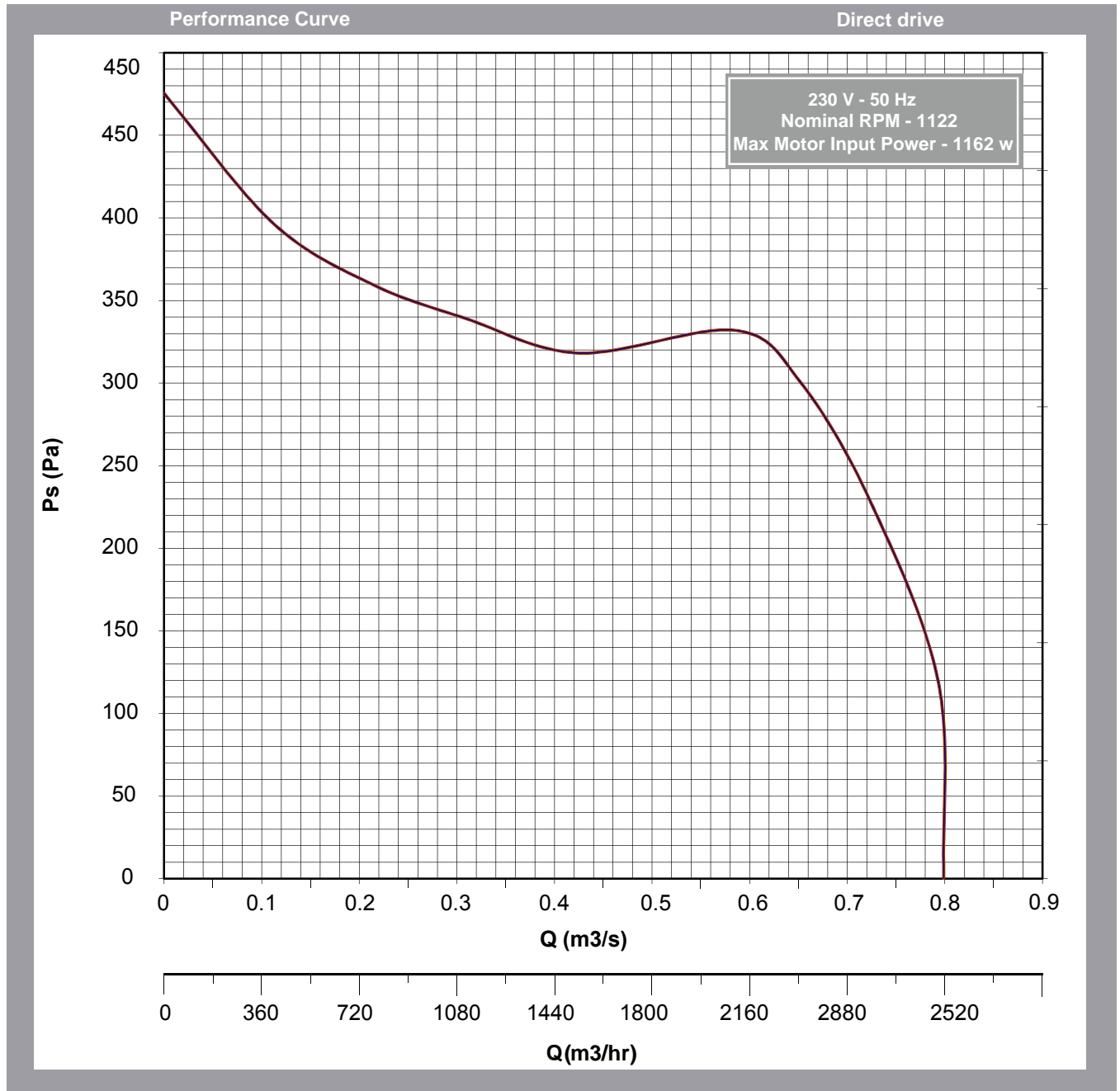
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/7 A6M	1674	417	147	1.89	230/1/60	20 / F	5	AC 04	N A	48	87	79	70	61	56	54	50	43

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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**TWD 9/9 B4M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 9 / 9 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/9 B4M	2880	1162	373	5.19	220-240/1/50	20 / F	6	AC 04	N A	50	86	77	71	64	61	62	60	53

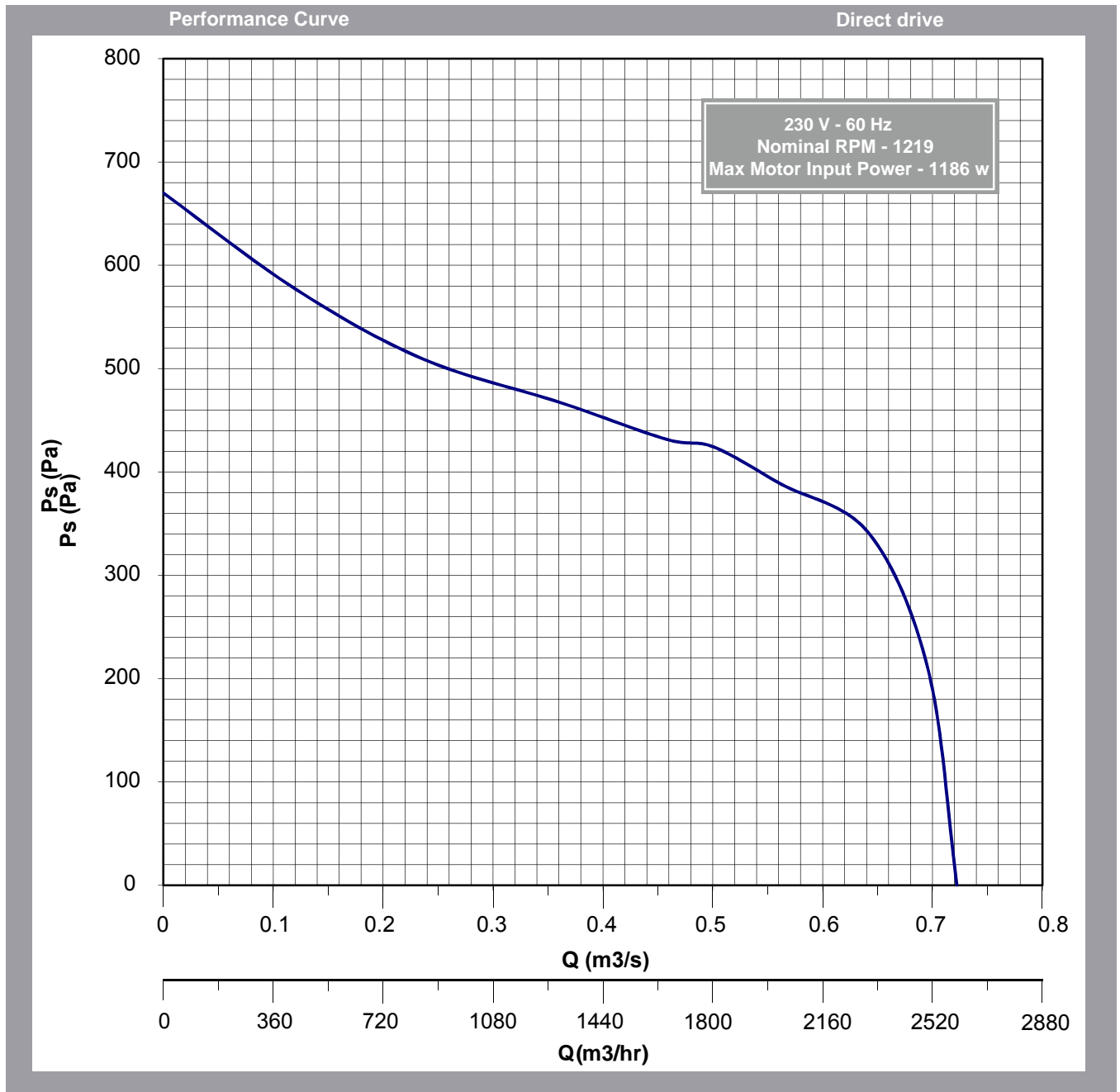
P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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**TWD 9/9 B4M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 9/9 B4M**

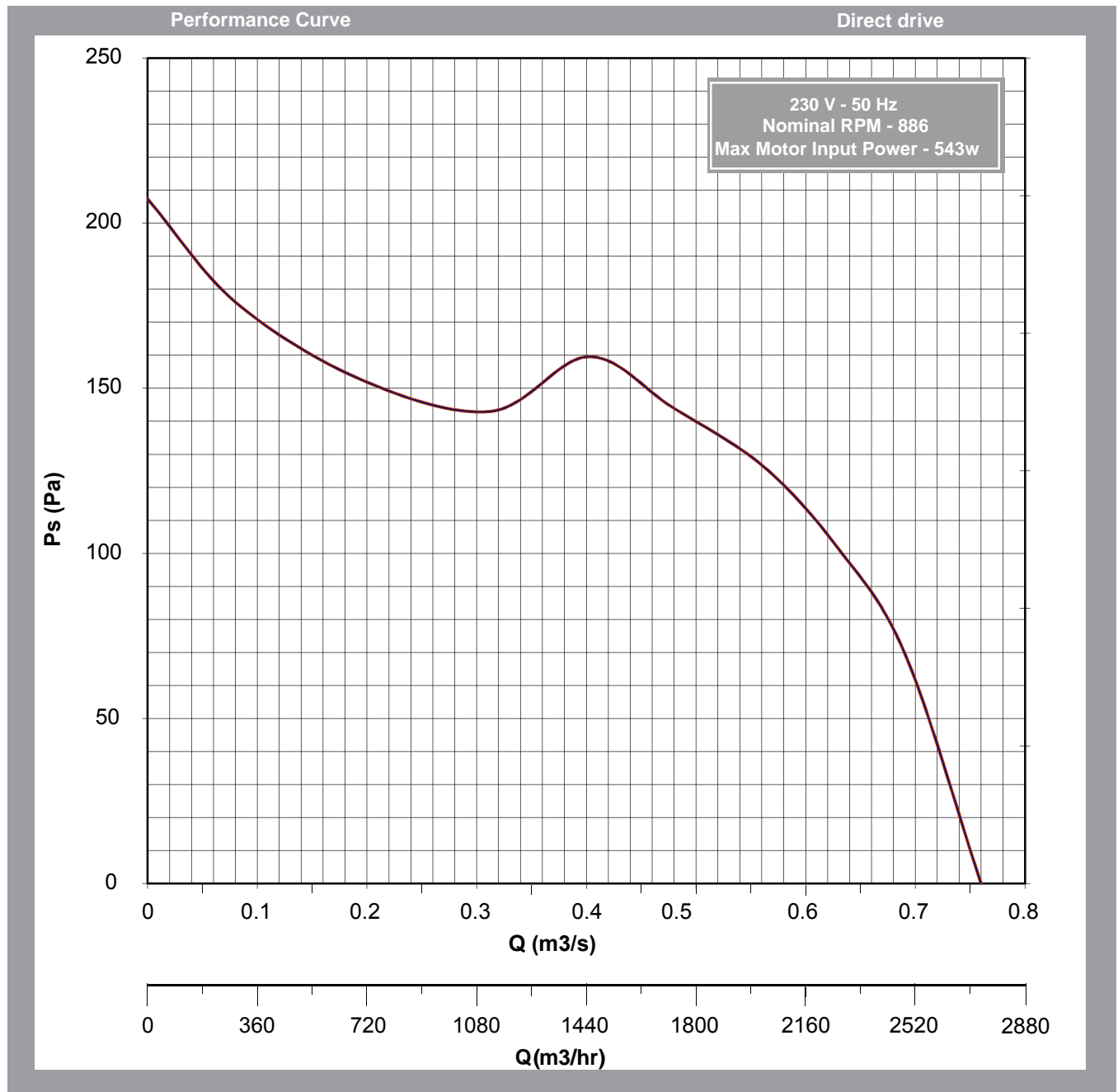
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max. airflow Hz ( Lw,dB)							
		(P in)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/9 B4M	2592	1186	373	5.35	230/1/60	20 / F	6	AC 04	N A	48	83	79	69	61	58	58	57	48

P in - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
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**TWD 9/9 A6M**



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- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 9/9 A6M**

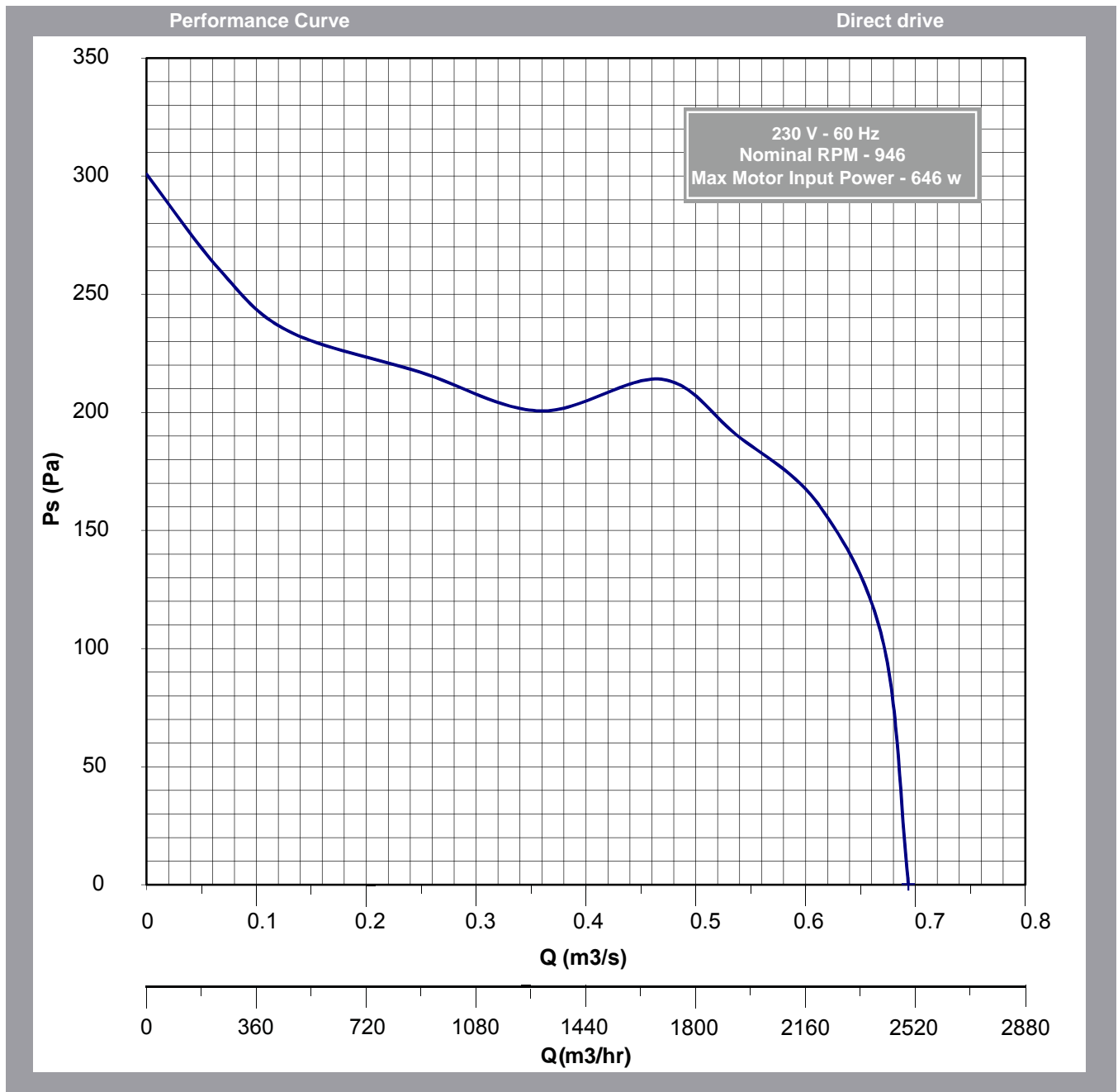
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/9 A6M	2736	543	245	2.49	220-240/1/50	20 / F	8	AC 04	N A	49	85	76	69	64	61	61	60	52

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 9/9 A6M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TW D 9/9 A6M**

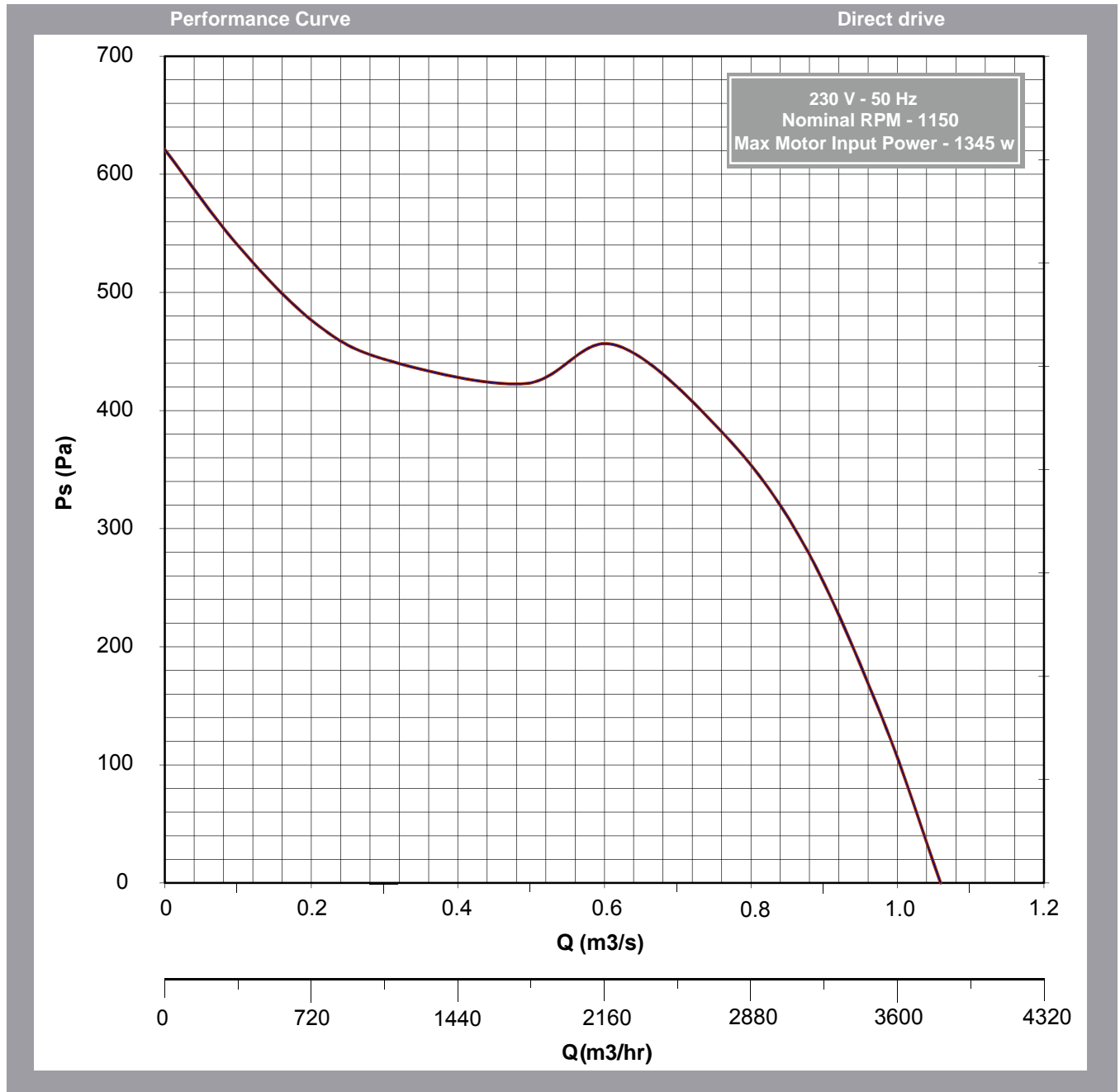
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 9/9 A6M	2484	646	245	2.9	230/1/60	20 / F	8	AC 04	N A	44	82	71	65	59	56	56	54	45

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 10/8 B4M**



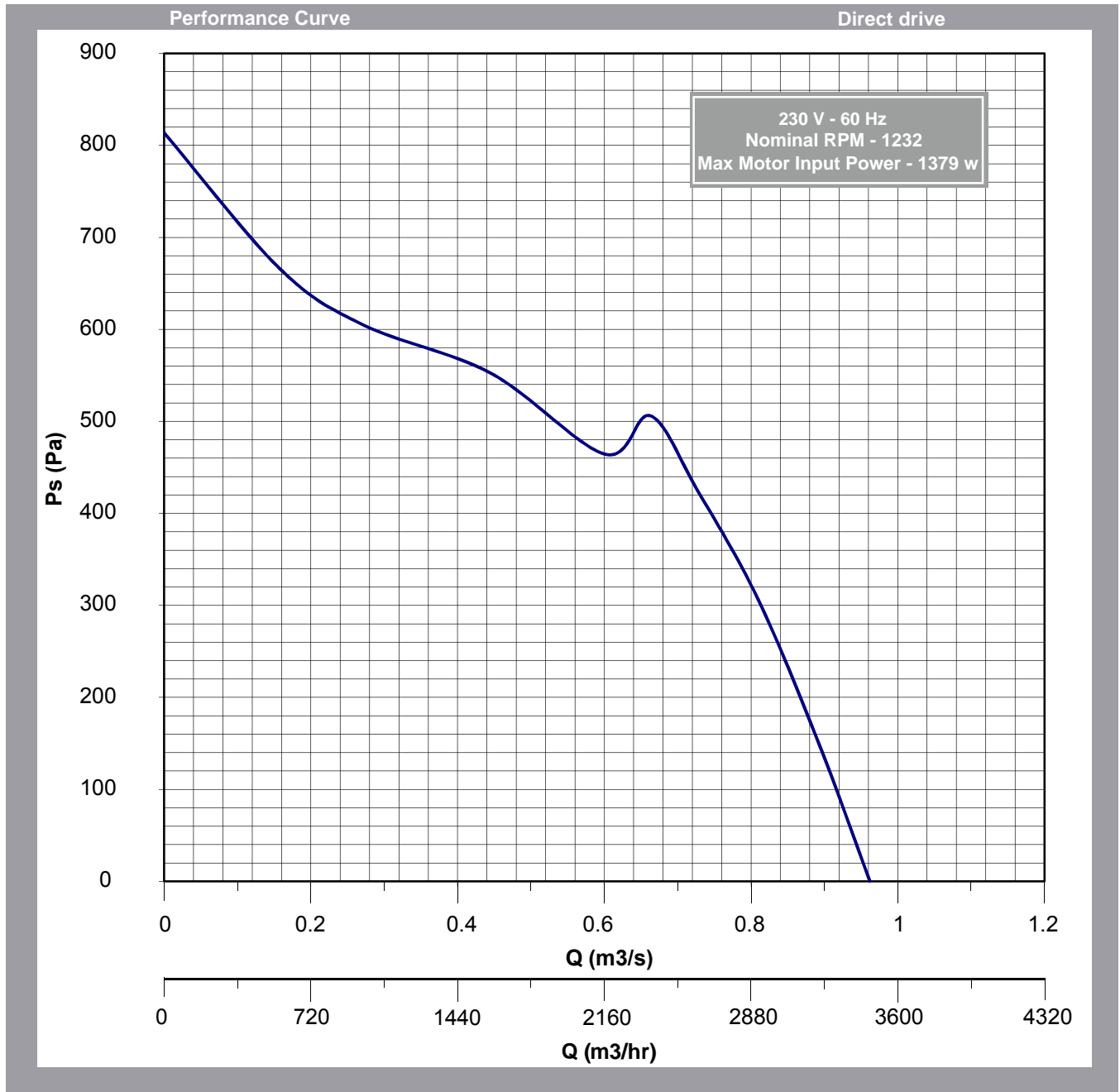
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 10/8 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/8 B4M	3816	1345	550	5.8	220-240/1/50	20 / F	16	AC 04	N A	53	88	77	72	67	68	66	66	60

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 10/8 B4M**


- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 10/8 B4M**

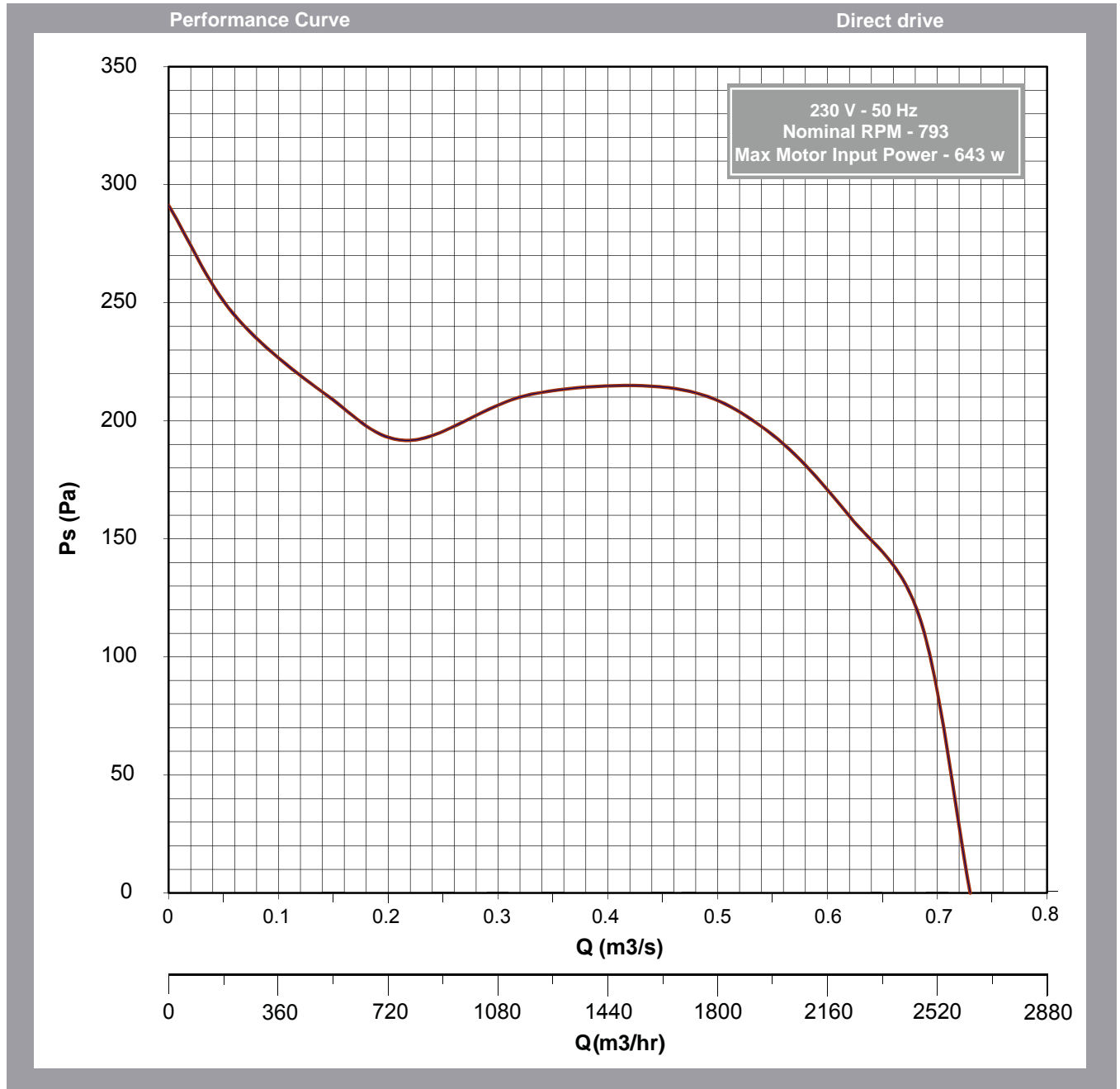
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/8 B4M	3456	1379	550	6.0	230/1/60	20 / F	16	AC 04	N A	52	86	75	71	66	66	64	64	57

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 10/8 A6M**



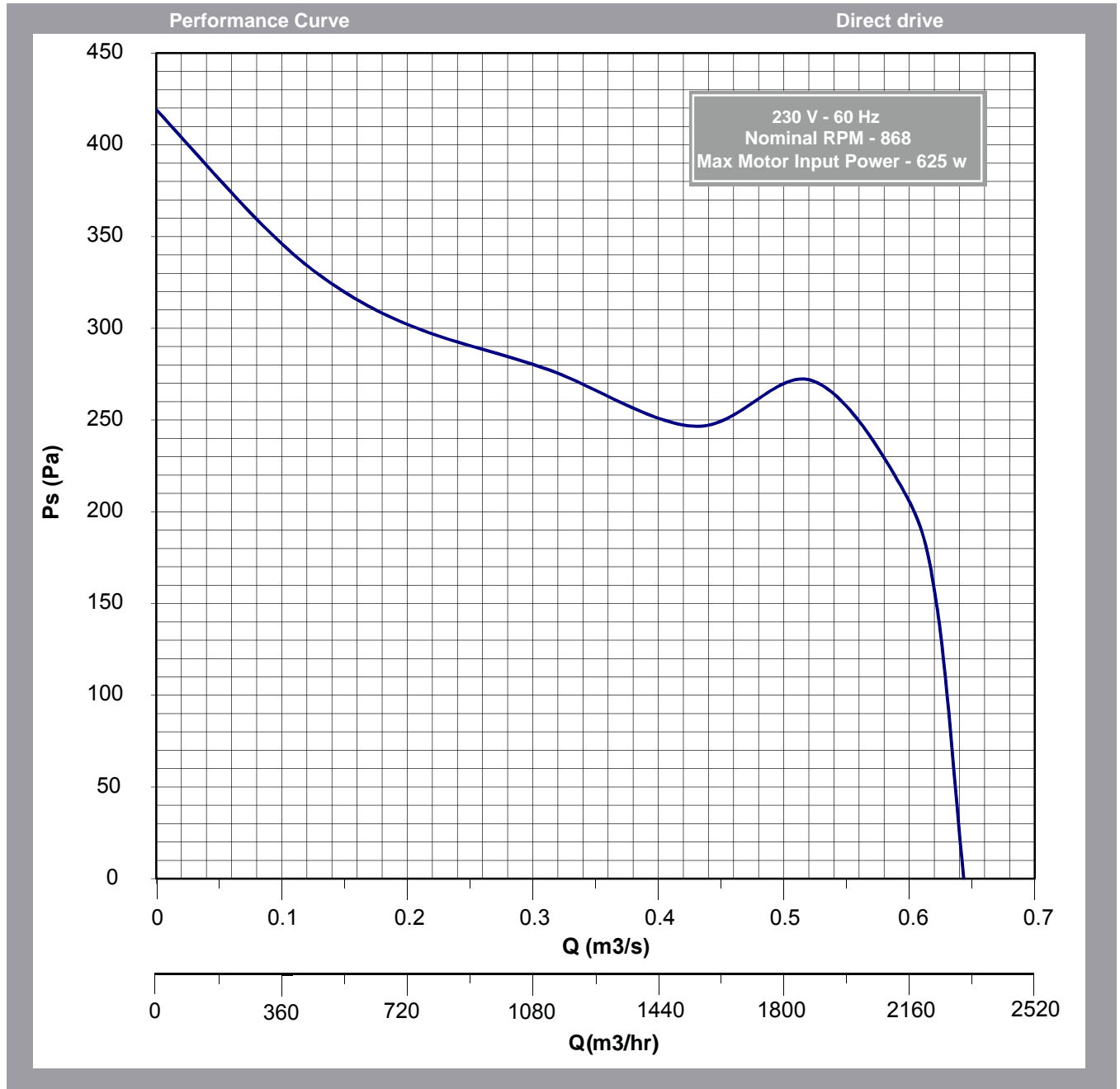
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 10 / 8 A6M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/8 A6M	2628	643	245	2.9	220-240/1/50	20 / F	8	AC 04	N A	46	83	72	65	61	60	58	57	48

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 10/8 A6M**


- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 10 / 8 A6M**

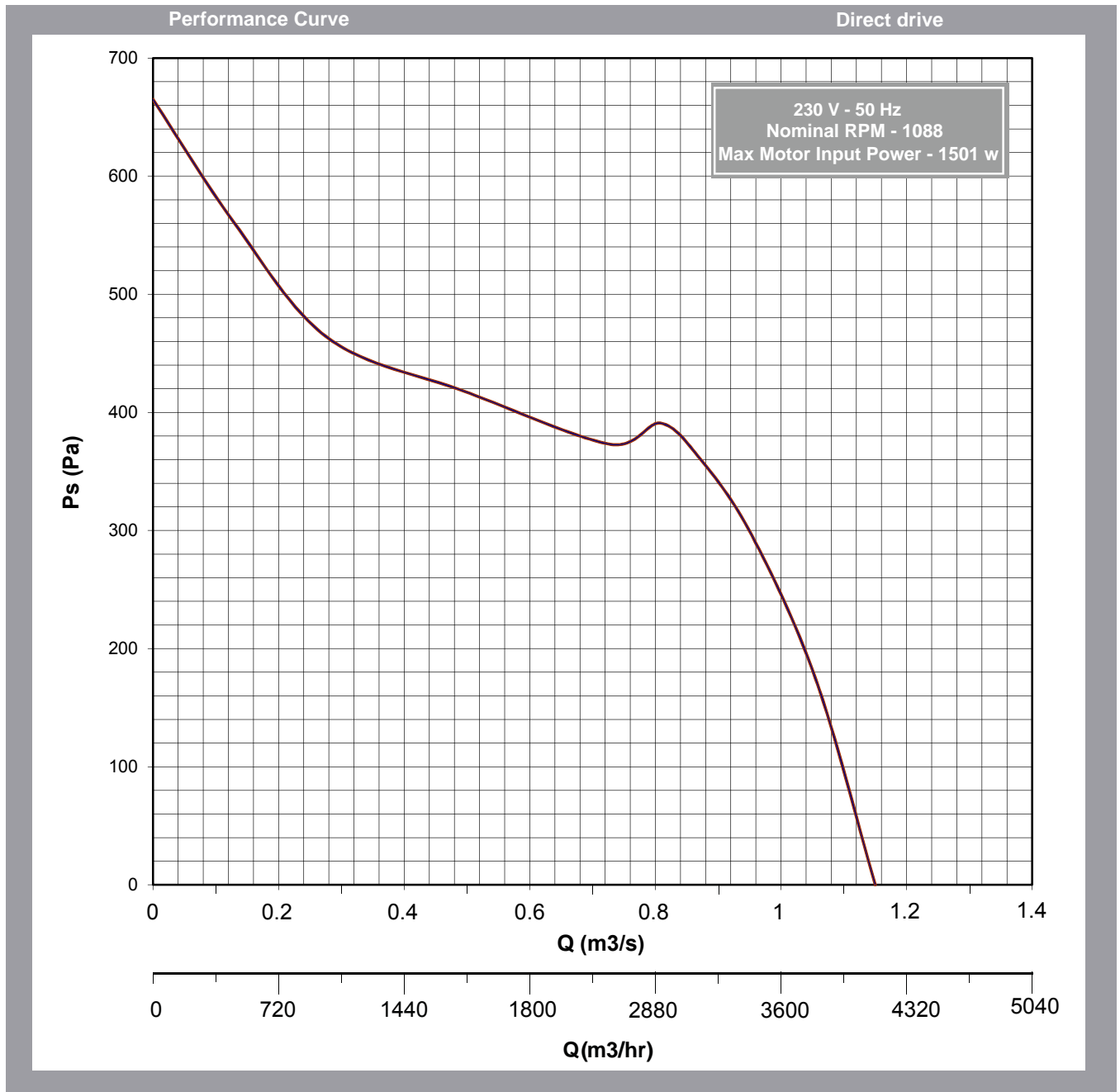
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/8 A6M	2304	625	245	2.9	230/1/60	20 / F	8	AC 04	N A	43	82	70	61	58	57	56	53	44

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 10/10 B4M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 10/10 B4M**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/8 B4M	4140	1501	550	6.5	220-240/1/50	20 / F	16	AC 04	N A	54	86	79	78	69	65	65	64	57

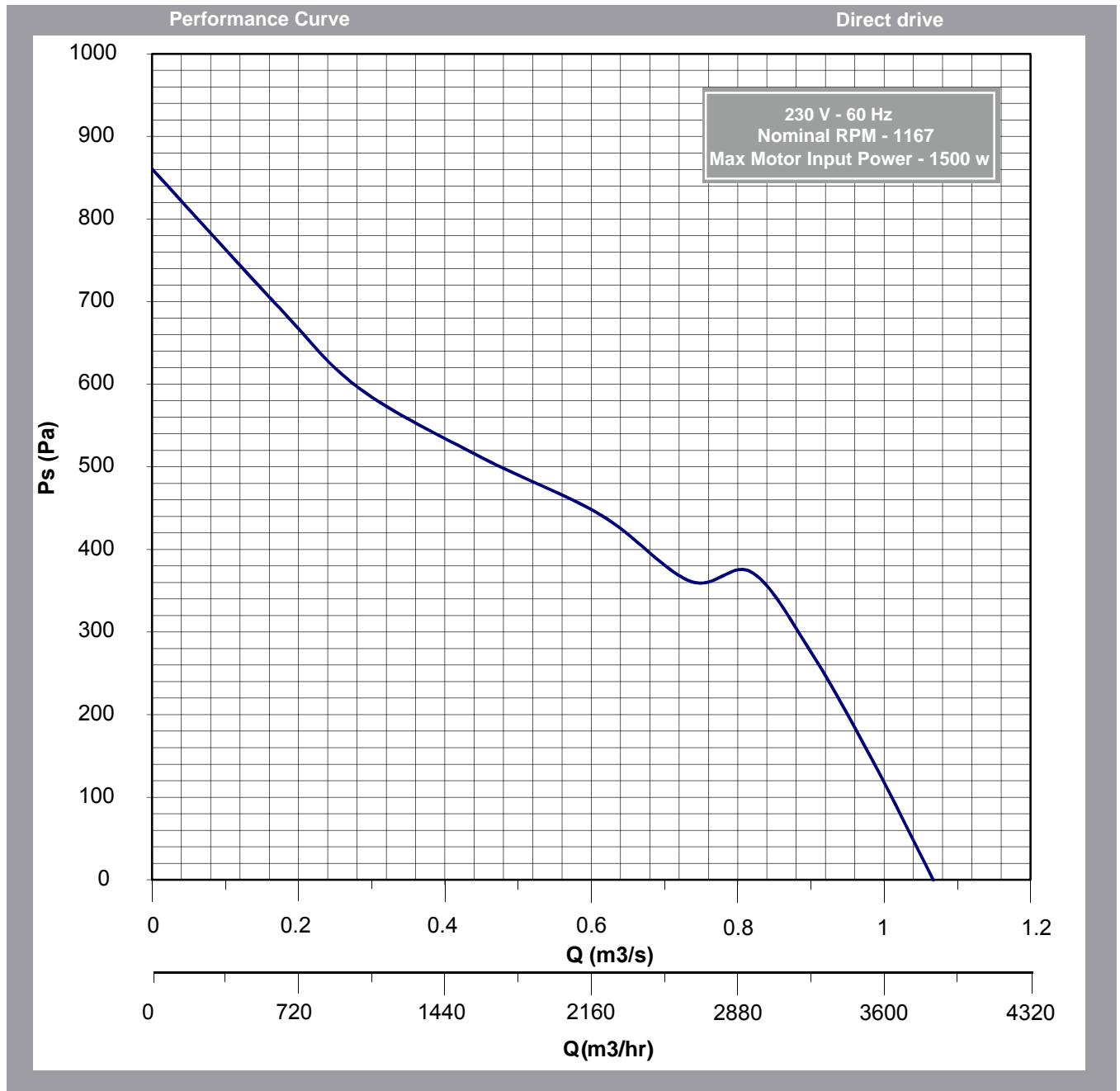
P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.





### TWD 10/10 B4M



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

### Technical Data for TWD 10/10 B4M

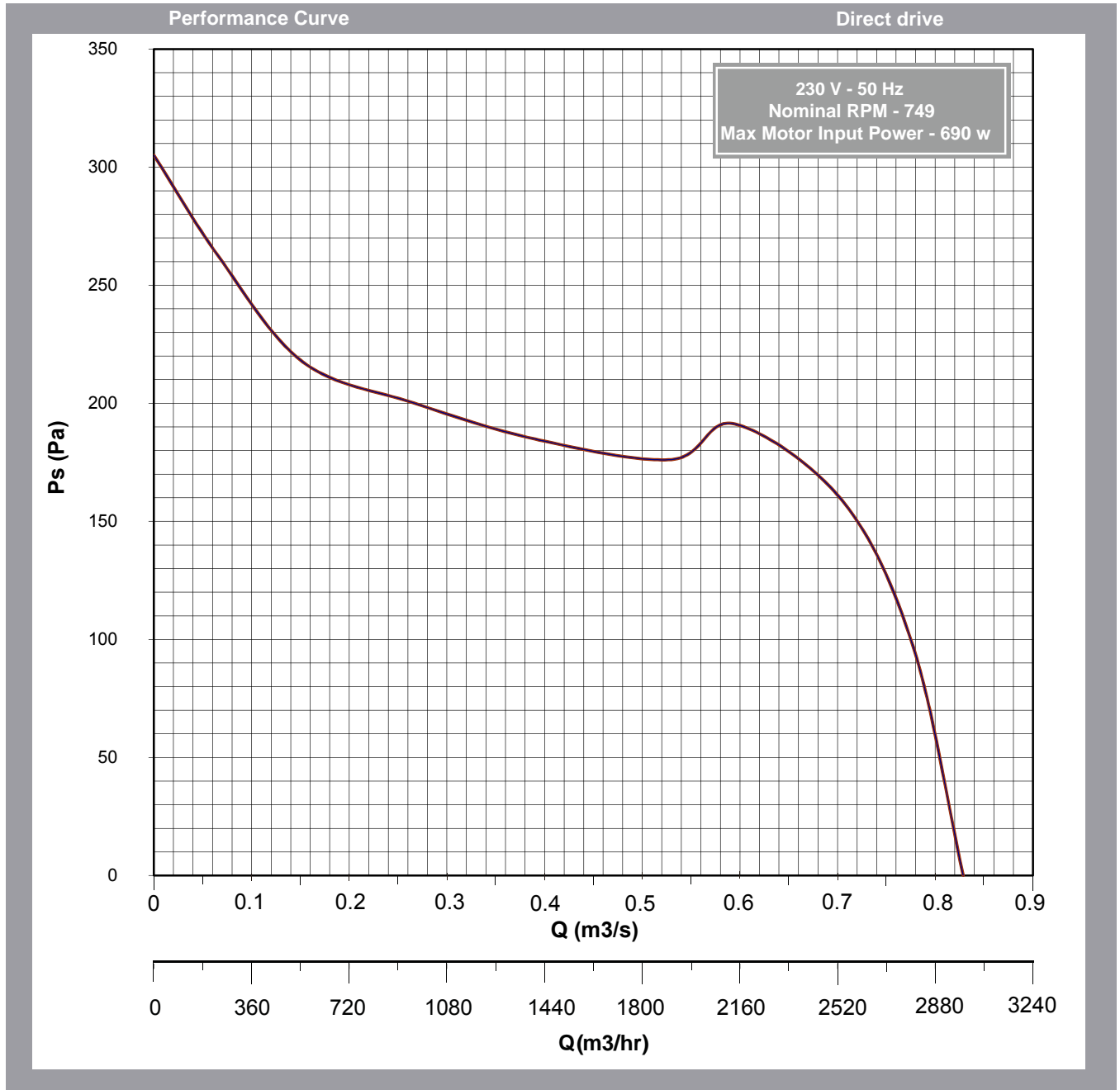
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/10 B4M	3816	1500	550	6.6	230/1/60	20 / F	16	AC 04	N A	52	85	78	76	69	63	62	61	53

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 10/10 A6M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 10 /10 A6M**

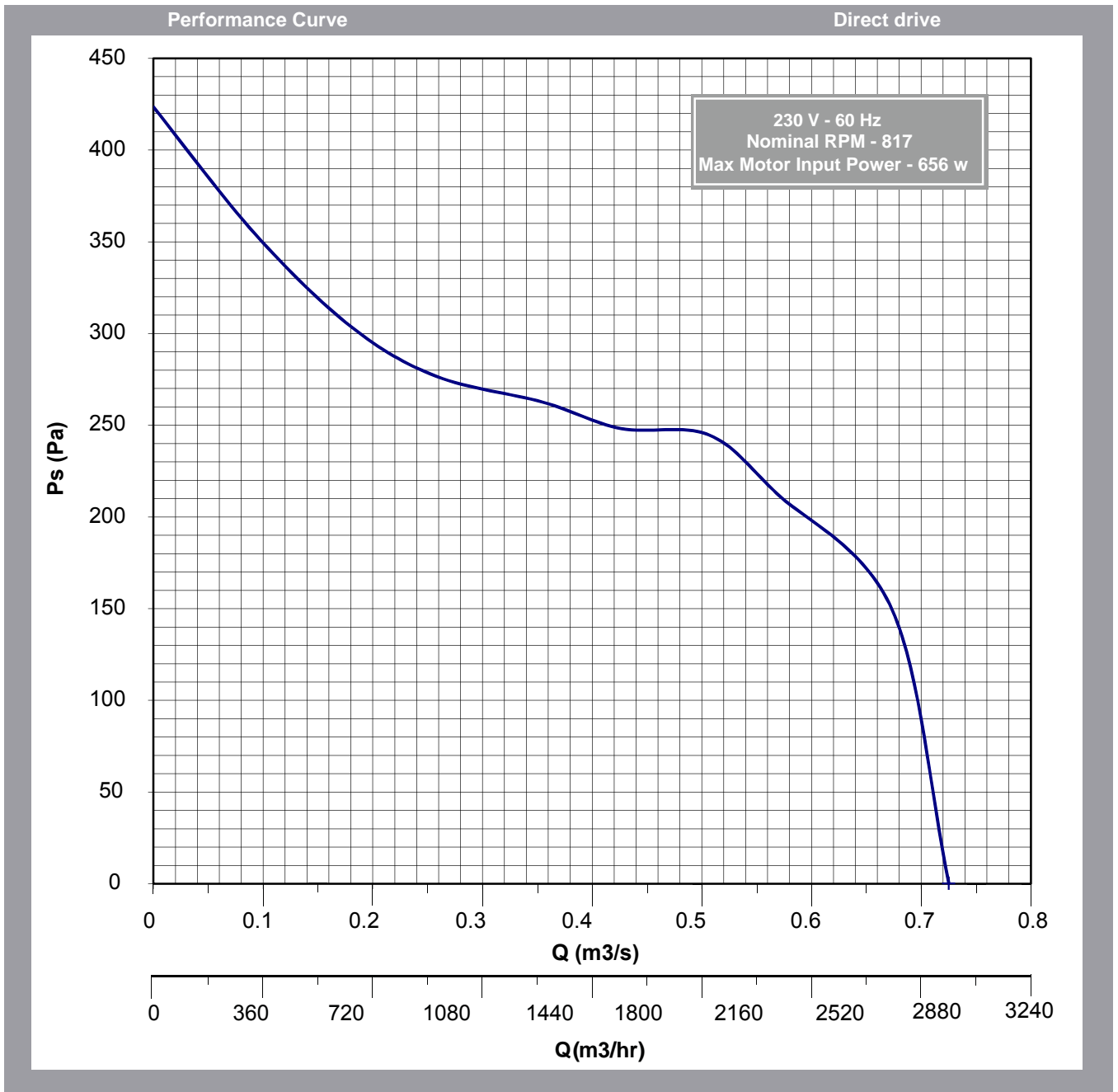
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/10 A6M	2988	690	245	3.1	220-240/1/50	20 / F	8	AC 04	N A	46	85	75	67	61	57	57	55	45

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



### TWD 10/10 A6M



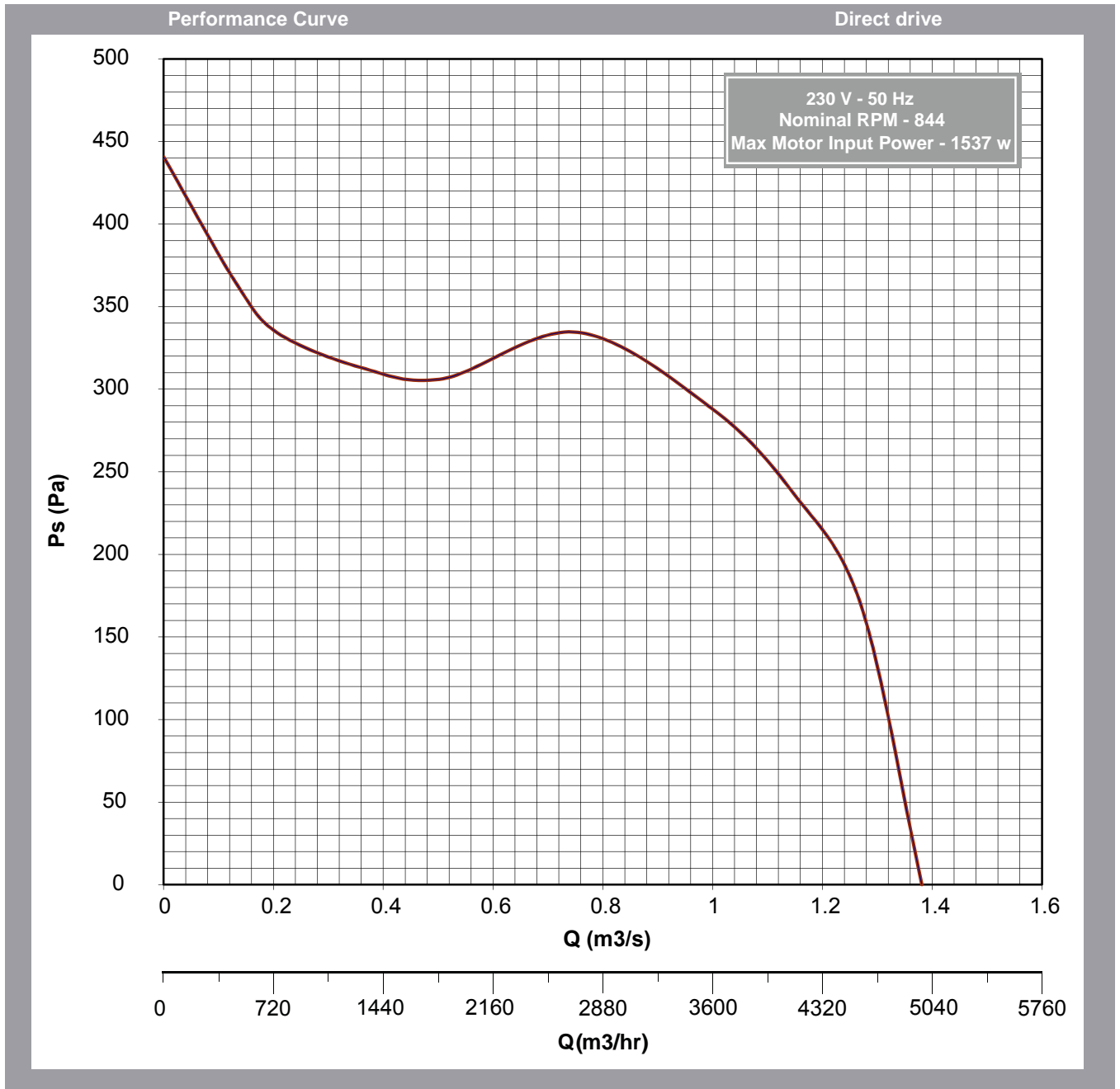
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

### Technical Data for TWD 10 /10 A6M

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 10/10 A6M	2592	656	245	3.0	230/1/60	20 / F	8	AC 04	N A	44	82	74	66	59	54	54	51	42

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TW-D 12/9 A6M**


- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12/9 A6M**

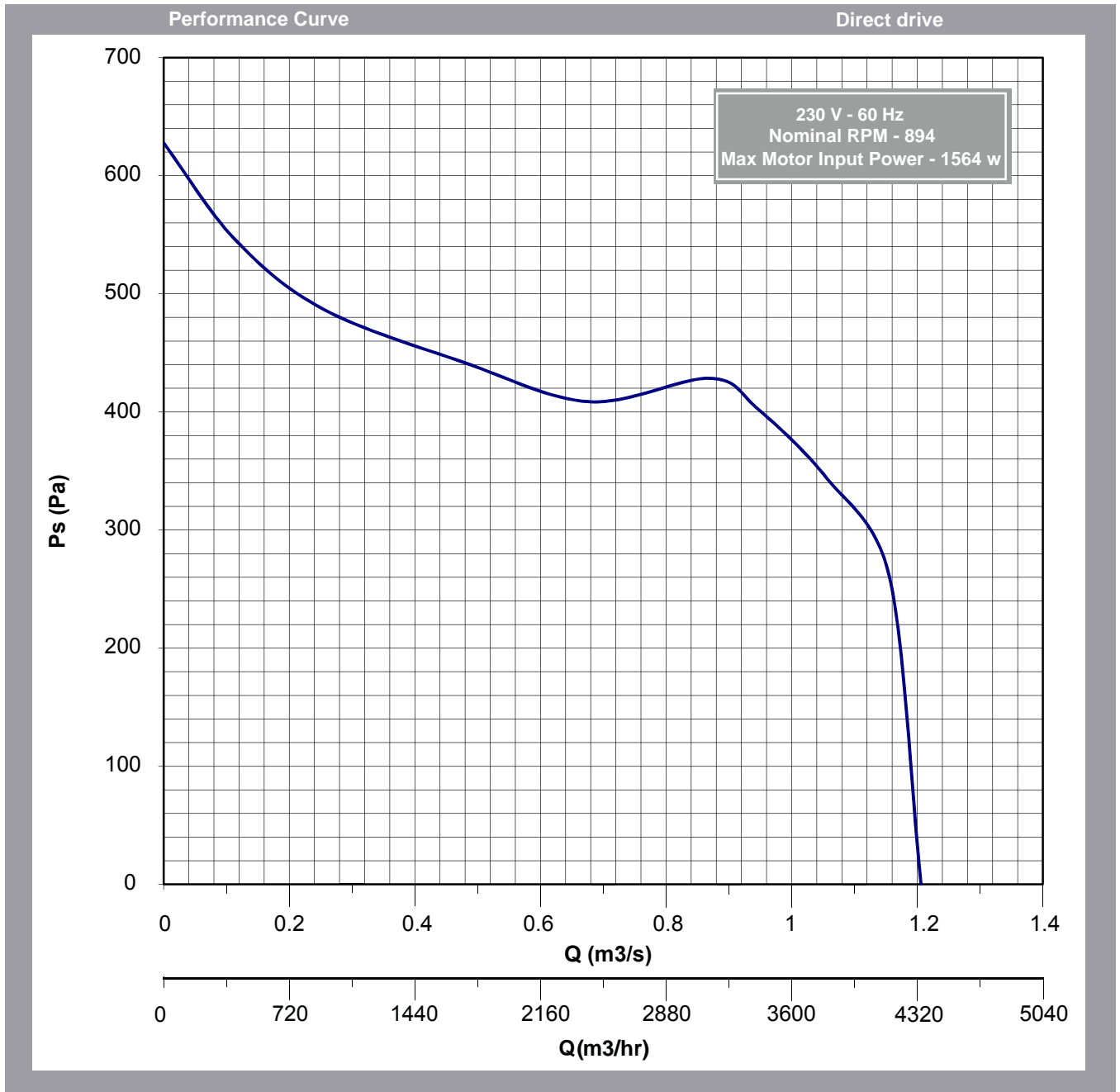
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/9 A6M	4968	1537	590	7.1	220-240/1/50	20 / F	16	AC 04	N A	56	94	80	77	70	68	67	66	60

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



### TW-D 12/9 A6M



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

### Technical Data for TWD 12/9 A6M

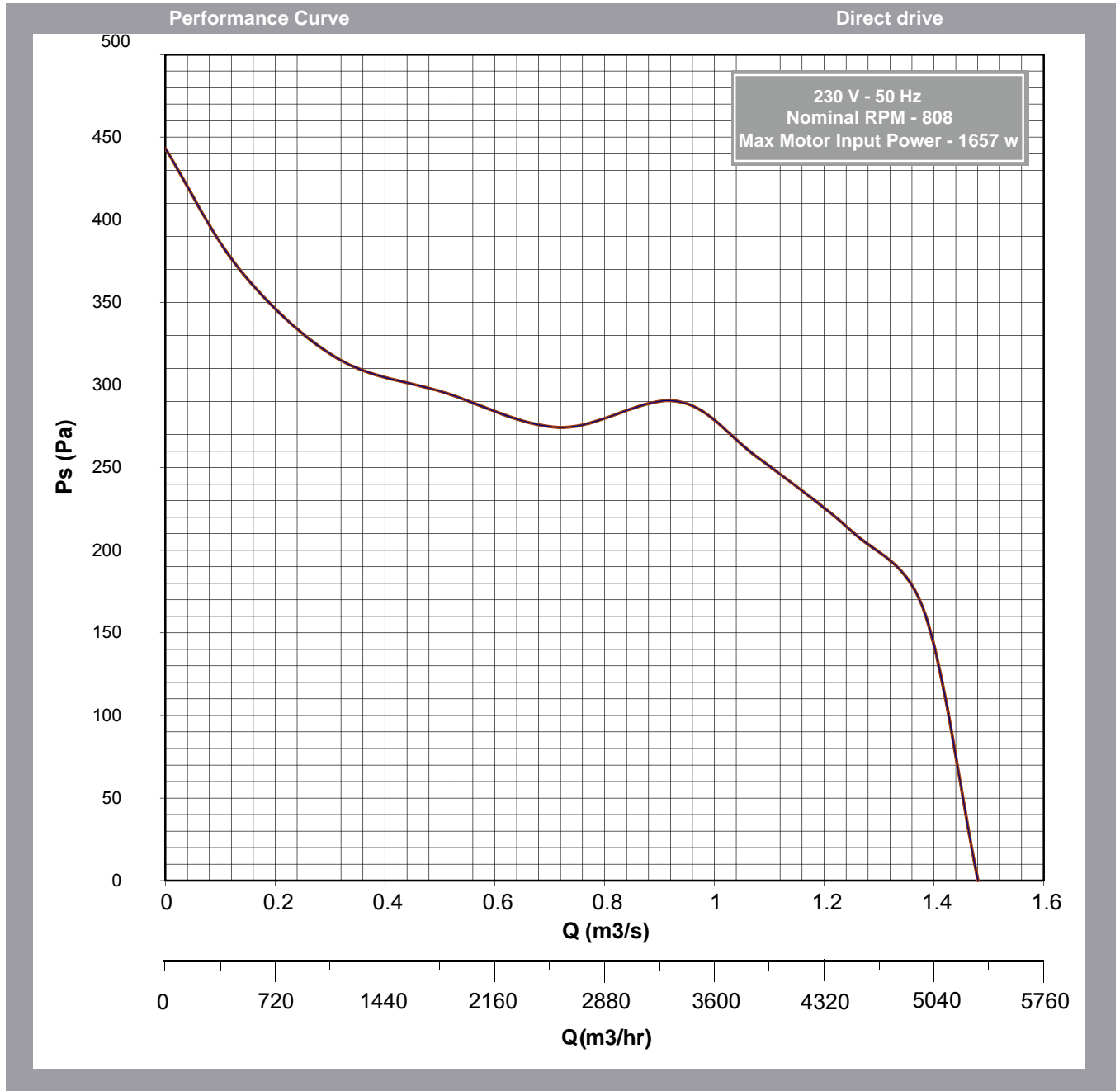
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/9 A6M	4320	1564	590	7.4	230/1/60	20 / F	16	AC 04	N A	54	89	76	80	68	64	63	62	54

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 12/12 A6M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12 /12 A6M**

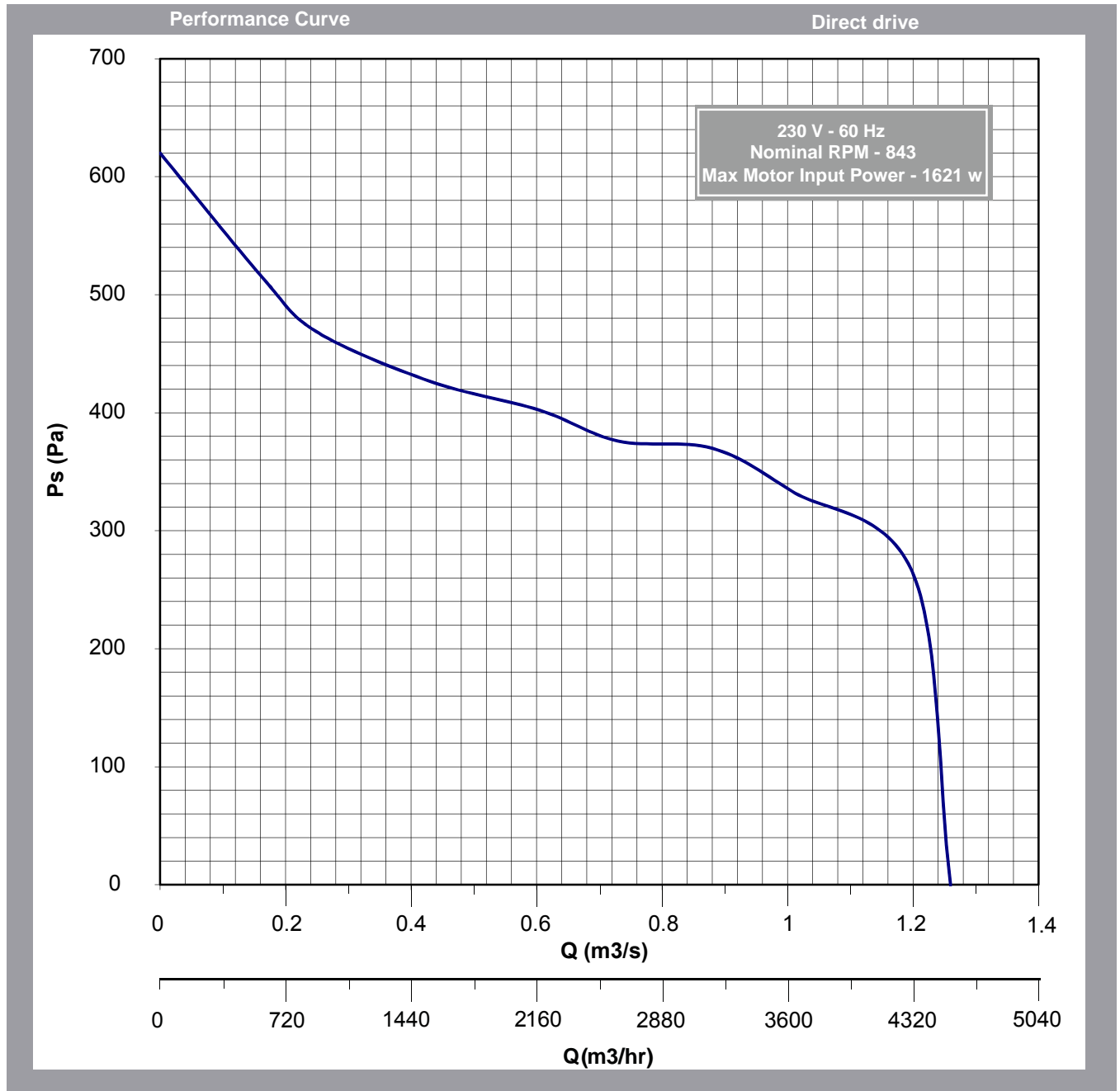
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/12 A6M	5328	1657	590	7.6	220-240/1/50	20 / F	16	AC 04	N A	52	89	79	74	68	63	64	63	56

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 12/12 A6M**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12/12 A6M**

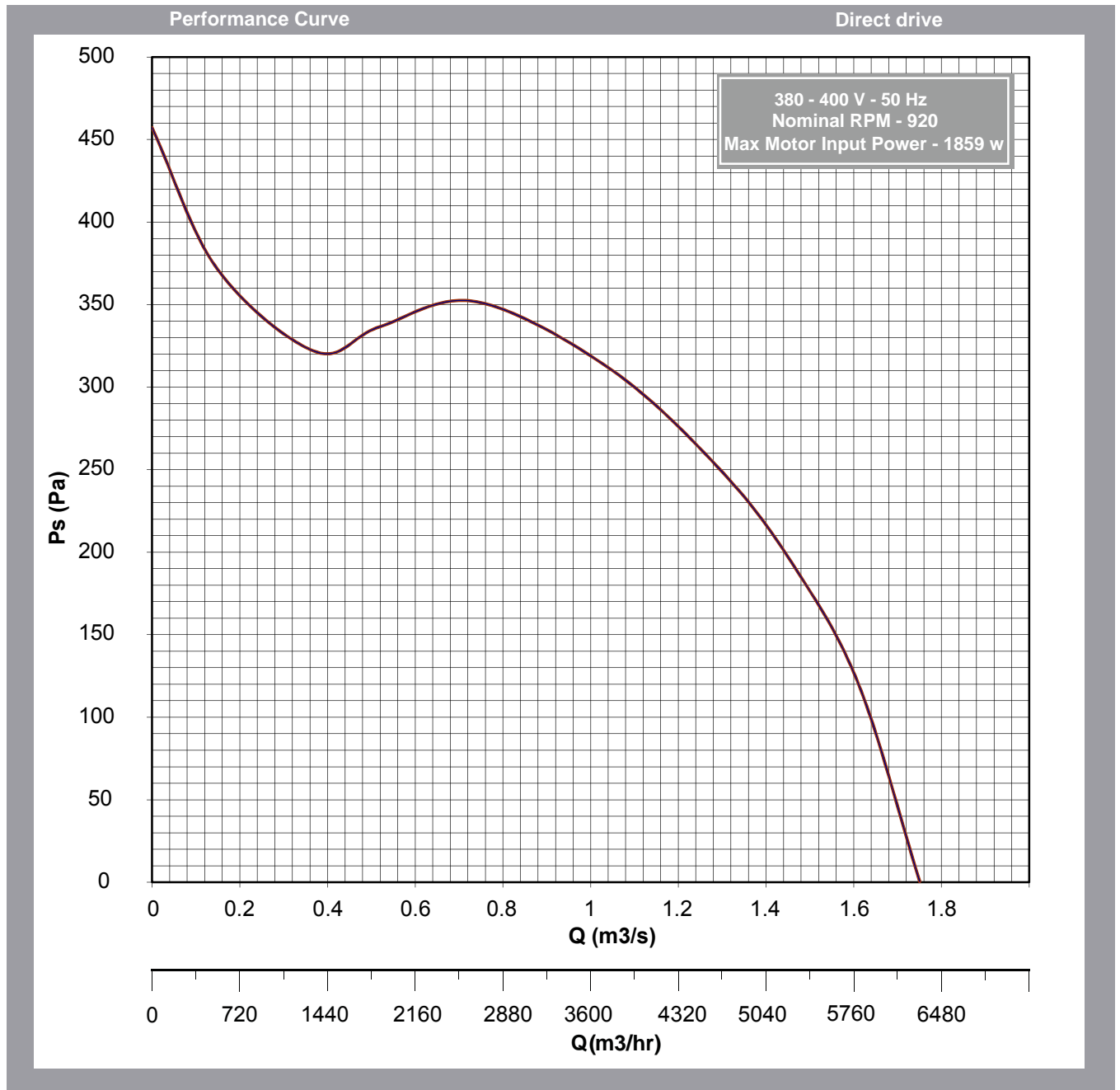
Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . H z ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/12 A6M	4536	1621	590	7.7	230/1/60	20 / F	16	AC 04	N A	56	87	76	84	66	61	62	58	50

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



**TWD 12/9 A6T**



- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12/9 A6T**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/9 A6T	6264	1859	1100	3.4	380-400/3/50	20 / F	N A	AC 02	P.M	59	98	83	79	72	72	70	70	65

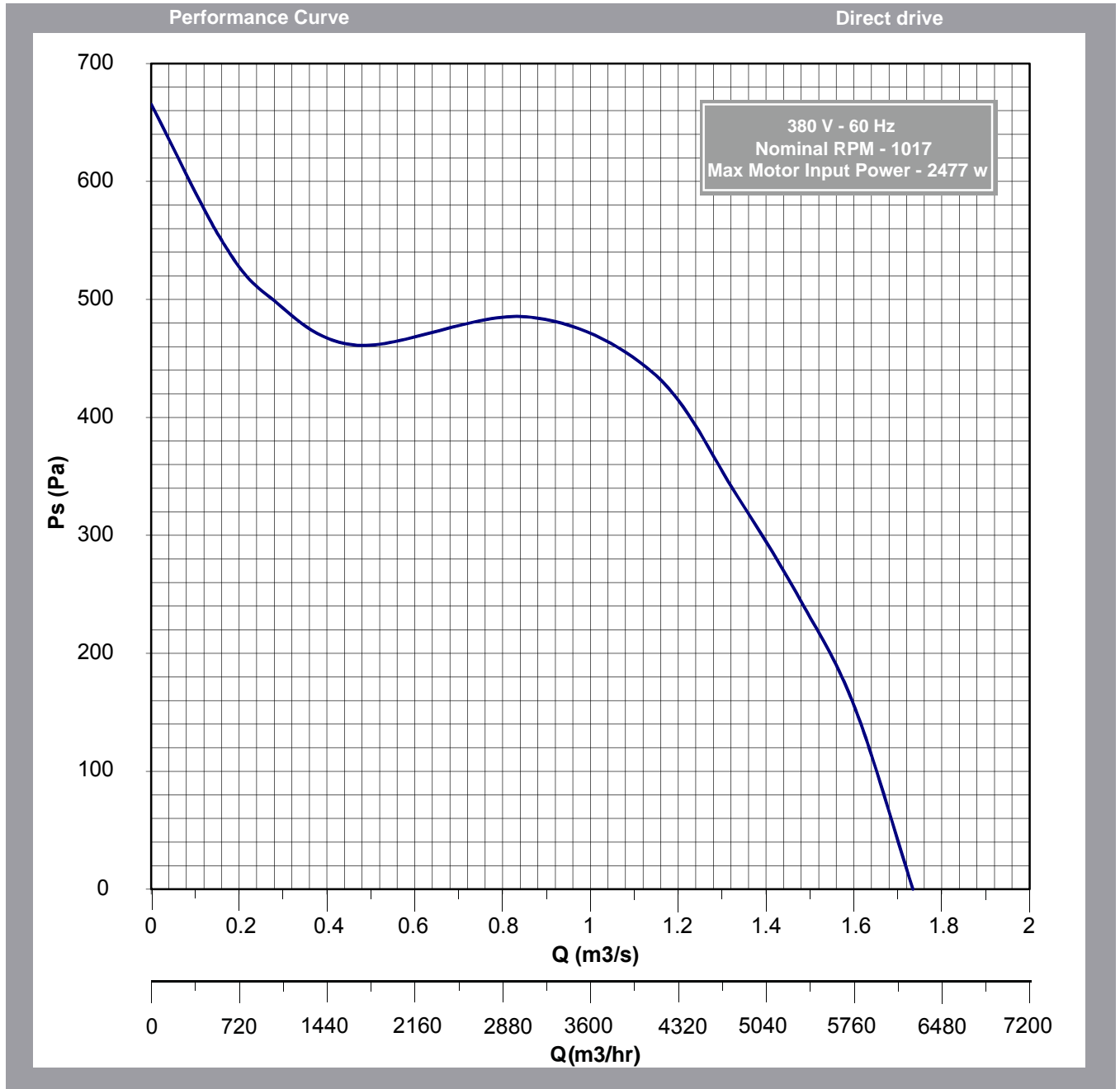
P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.





**TWD 12/9 A6T**



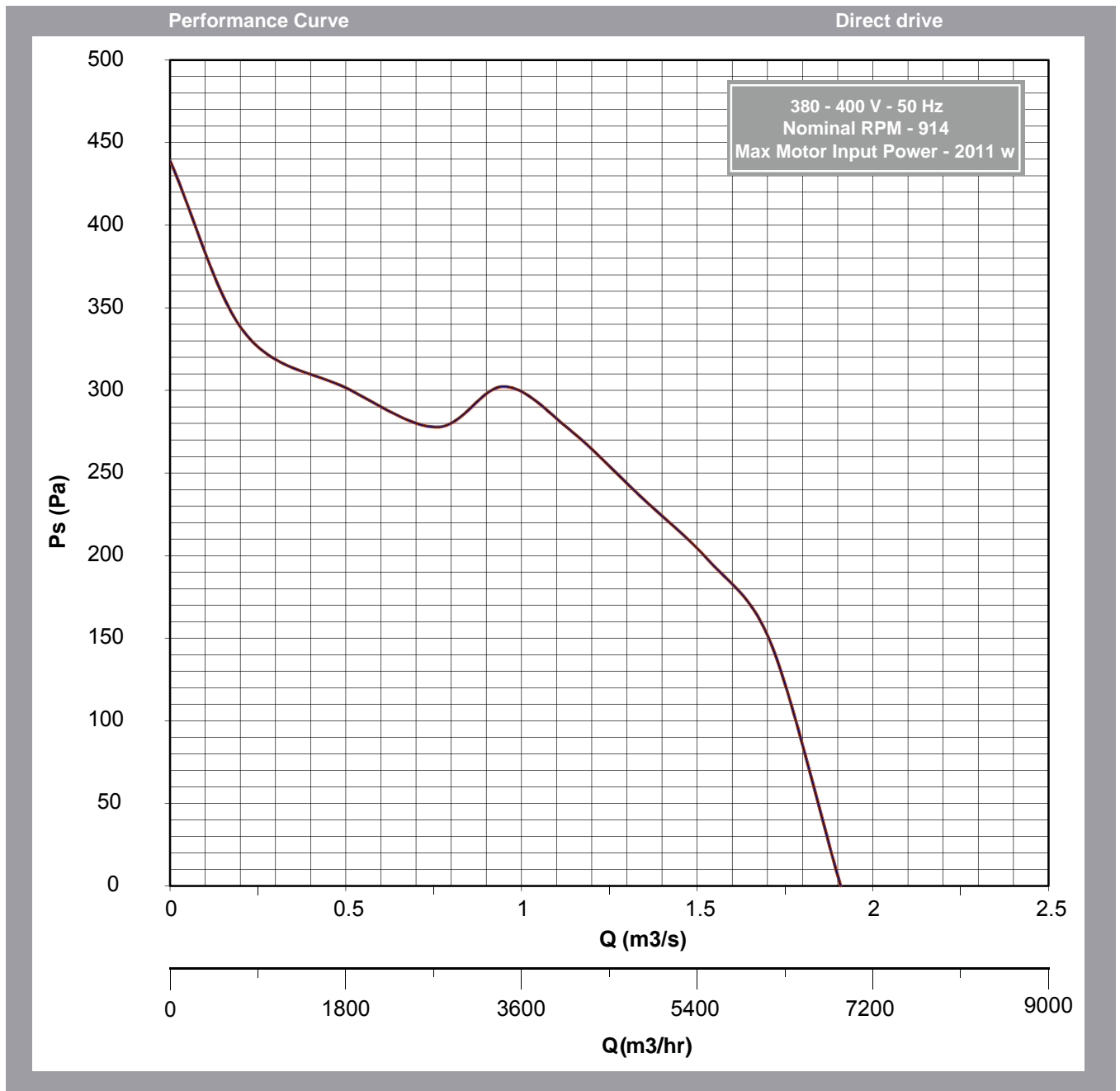
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12/9 A6T**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/9 A6T	6192	2477	1100	4.5	380/3/60	20 / F	N A	AC 02	P.M	59	99	83	79	75	72	70	70	66

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 12/12 A6T**


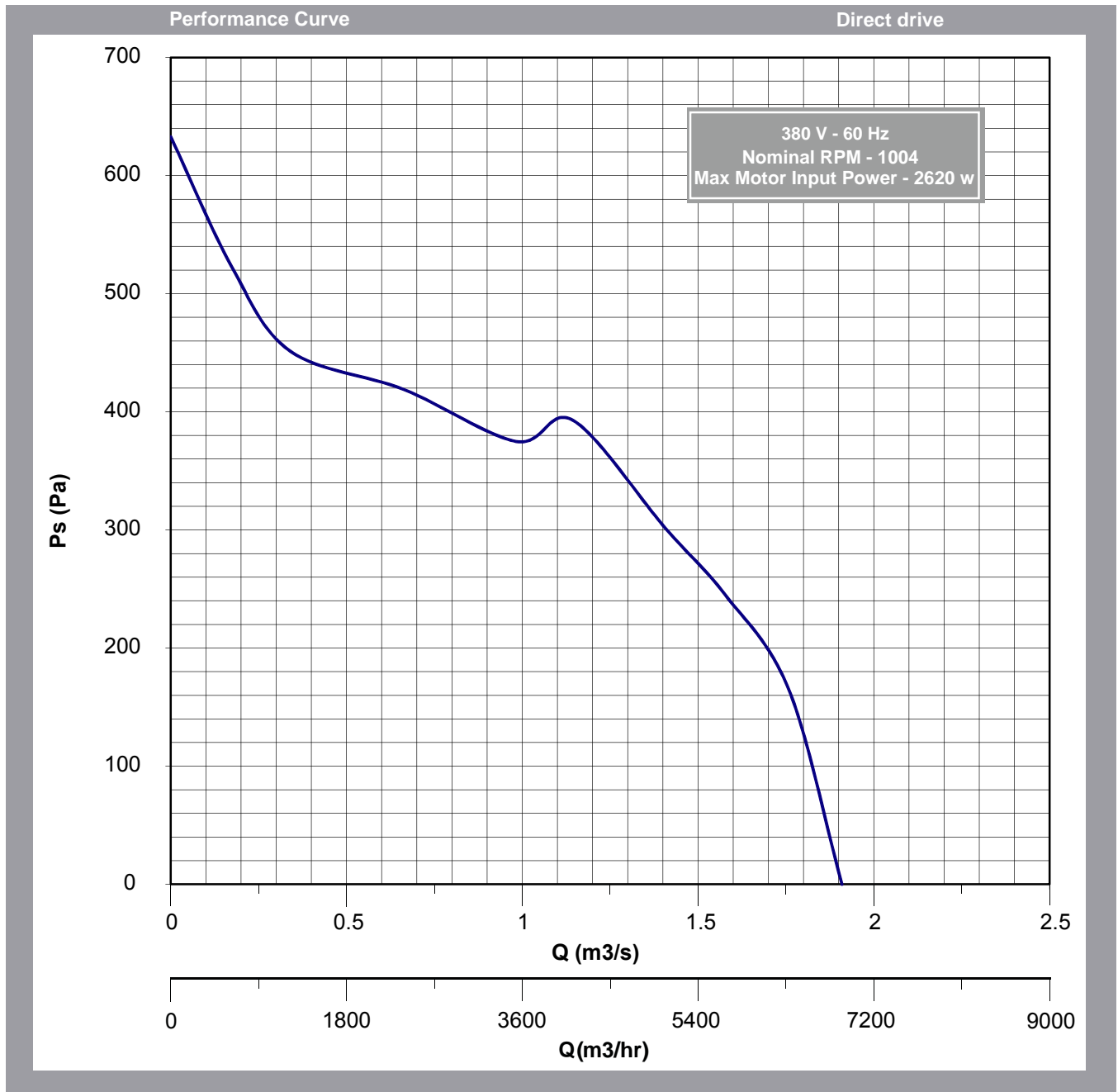
- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12/12 A6T**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/12 A6T	6840	2011	1100	3.6	380-400/3/50	20 / F	N A	AC 02	P.M	62	98	85	82	82	71	70	69	64

P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.


**TWD 12/12 A6T**


- Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type D - Ducted inlet, ducted outlet.

**Technical Data for TWD 12/12 A6T**

Model	Q (CMH)	POWER (watts)		A (amp)	V / P / Hz	IP / CL	uF	Reg	Power Module	Lp dB(A) at 3m (Free Field)	Octave Band Frequency at max . airflow . Hz ( Lw,dB)							
		(P inp)	(P out)								63	125	250	500	1K	2K	4K	8K
TWD 12/12 A6T	6840	2620	1100	4.7	380/3/60	20 / F	N A	AC 02	P.M	62	96	84	80	84	72	70	69	64

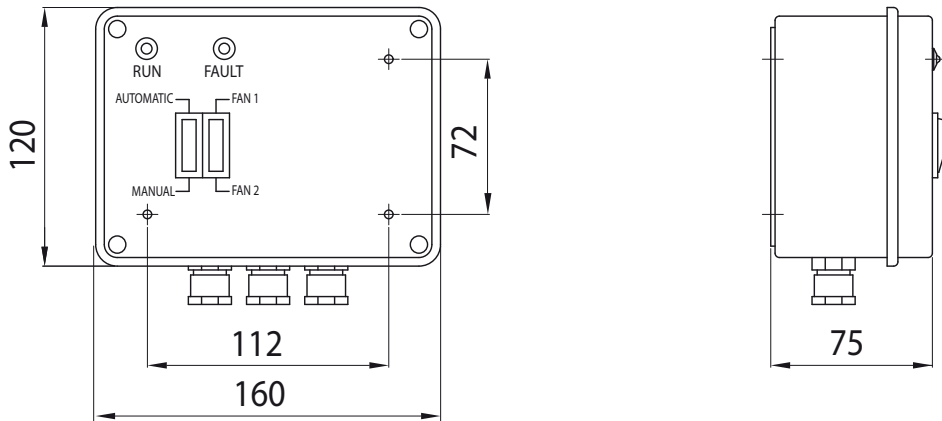
P inp - Power input & P out - Max. Motor Power output

- Values shown are for inlet Lwi sound power levels for Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- The Sound power levels ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301.
- Lp-dB(A) levels are not licensed by AMCA International.



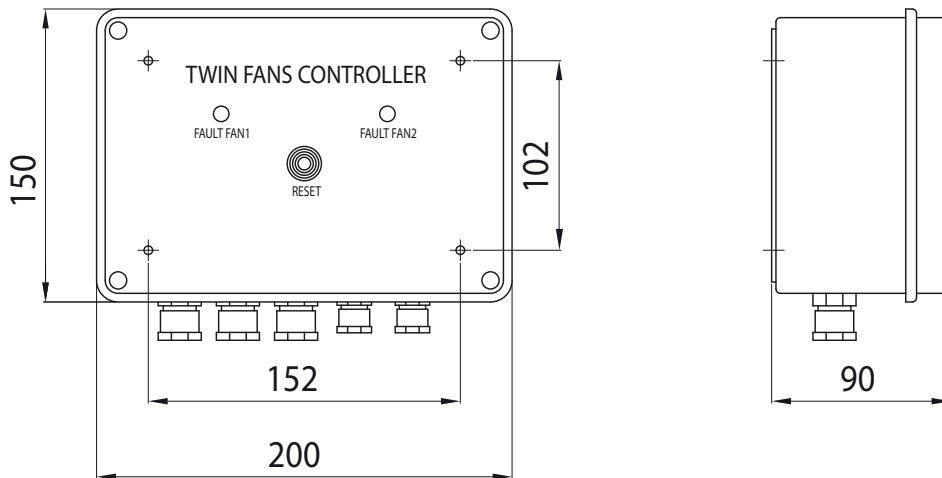
**AC 04**

It enables to switch to service fan when placing in AUTOMATIC position. By this way the continue work of one fan can be avoided and by placing in MANUAL position the service fan is selected only through a switch in case of failure.



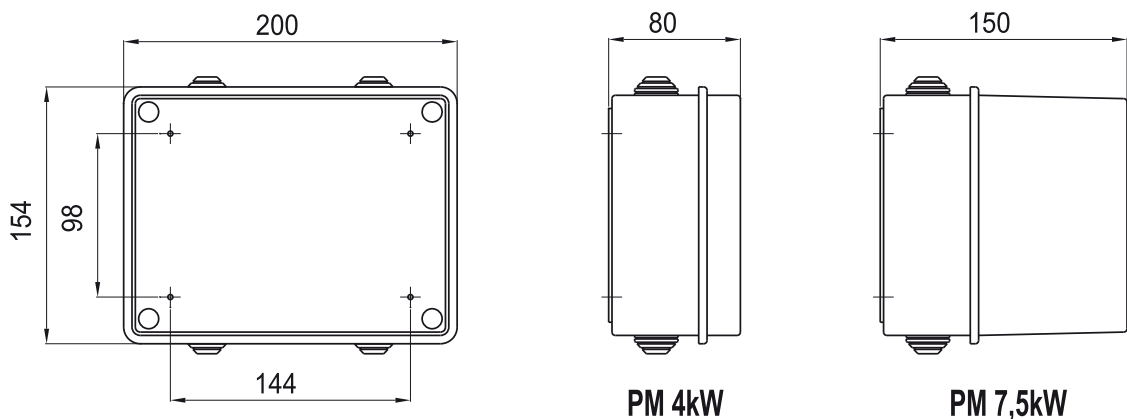
**AC 04**

It works the same way as AC02 but for the three phase supply.



**POWER MODULE (PM) FOR THREE PHASE FANS**

It allows the use of the modules (AC) in the TW units with three phase motor and single phase motor with absorbed current higher than 6A.





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