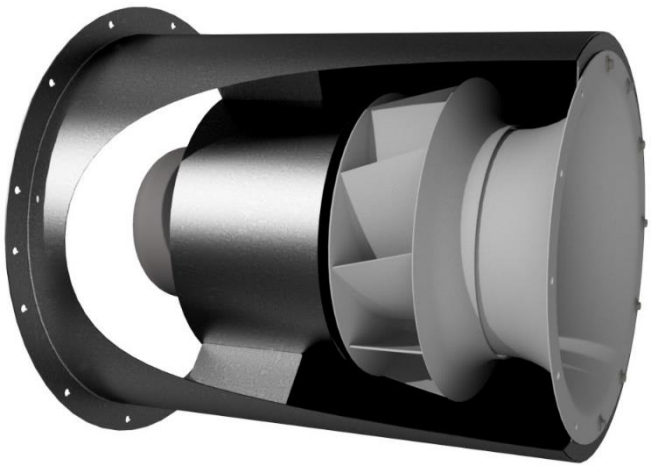
Technical Catalogue

CNX Series

- Construction and Features
- Installation Tips
- Dimensions
- Performance Curves

COMETFANS

CNX series
Centraxial fans



DESCRIPTION:
High quality, no-compromise products for applications requiring a guaranteed and reliable component providing high pressures and precise air flows. They are most suitable for applications which require the fan to be a critical part of the system both in terms of performance and reliability. They are used in different applications such as power generation, railway, naval, cement and are always characterized by the demanding and critical nature of the service. Direct coupling solutions with motors from 2 to 8 poles are available, as well as belt-driven solutions for all cases in which it is convenient to decouple the motor from the impeller for service or maintenance. Only top quality components, selected and sized by COMET according to criteria based on 35 years of experience, are used for the manufacturing of these units.
Detailed aerodynamic studies are the basis of the design of the “CNX” Series fans, which feature key characteristics for use in critical applications:

- above average pressures and air flows
- moderate noise
- cost effective solution
- reduced dimensions
- high reliability
- Ex version available

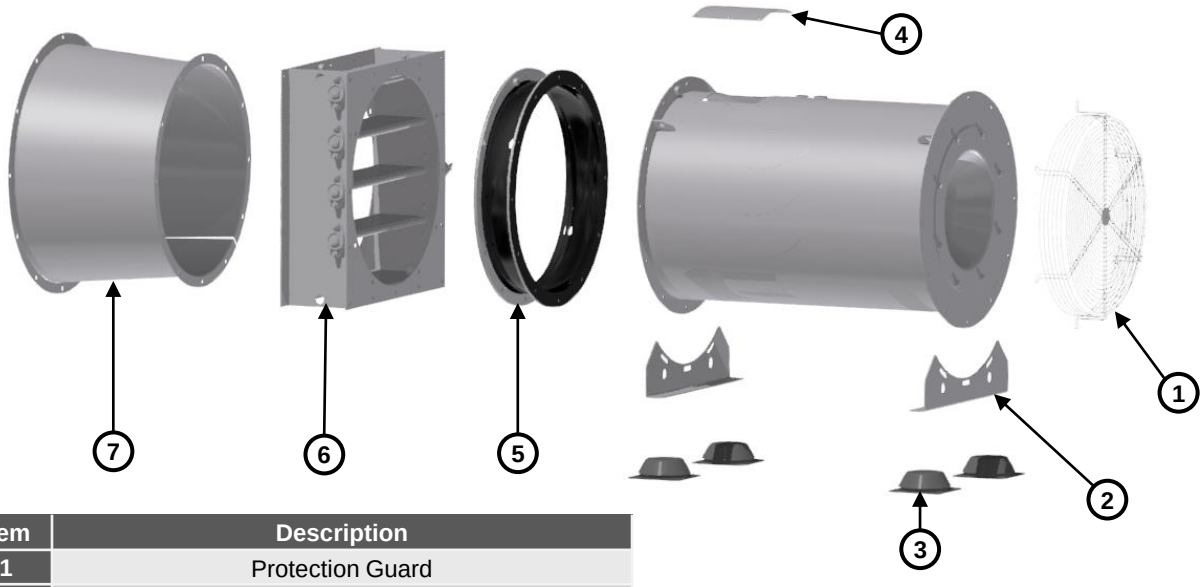
The “CNX” Series is the ideal choice when looking for a high performance product of superior quality.



Features
Impellers High-efficiency, low-noise centrifugal type blades
Vanes Single or double array of fixed vanes for performance increase, optimized for each application
Motors Three-phase motors IP55/IP65, with class F or H insulation, supply frequency 50/60Hz, suitable for inverter supply
Casings In carbon steel, electro-welded, with anti-corrosive finishing by hot-dip galvanization Stainless steel versions (AISI 304, AISI 316) available upon request
Size Diameter ranging from 400mm to 1600 mm
Performance Volume range from 470 m^3/h to 152’130 m^3/h, with static pressure up to 4408 Pa
Noise Noise levels measured according to ISO 3746
Temperature Standard opreation from -20°C to 90°C Special versions suitable for low or high temperature available upon request
Corrosion resistance Materials of standard CNX fans are suitable for operation in typical industrial environment. Painting cycle certified for 500 hours salt mist resistance, available upon request Special surface treatments are available upon request
Railway application CNX fans tested according to IEC 61373 (Shock & vibration test), are available upon request Wildings according to EN15085, are available upon request Fire & smoke materials compliant to EN45545, are available upon request
Hazardous area application CNX fans can be supplied in the ATEX certified version (directive 94/9/EC), group II, category 2D, 2G, 3D, 3D

ACCESSORIES

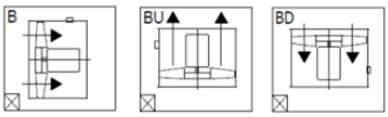
The following accessories are available upon request.
For more detailed technical information about fan accessories please contact Comet's technical department.



Item	Description
1	Protection Guard
2	Mounting Feet
3	Vibration Isolators
4	Inspection Door
5	Flexible Joint
6	Gravity Damper
7	Diffuser

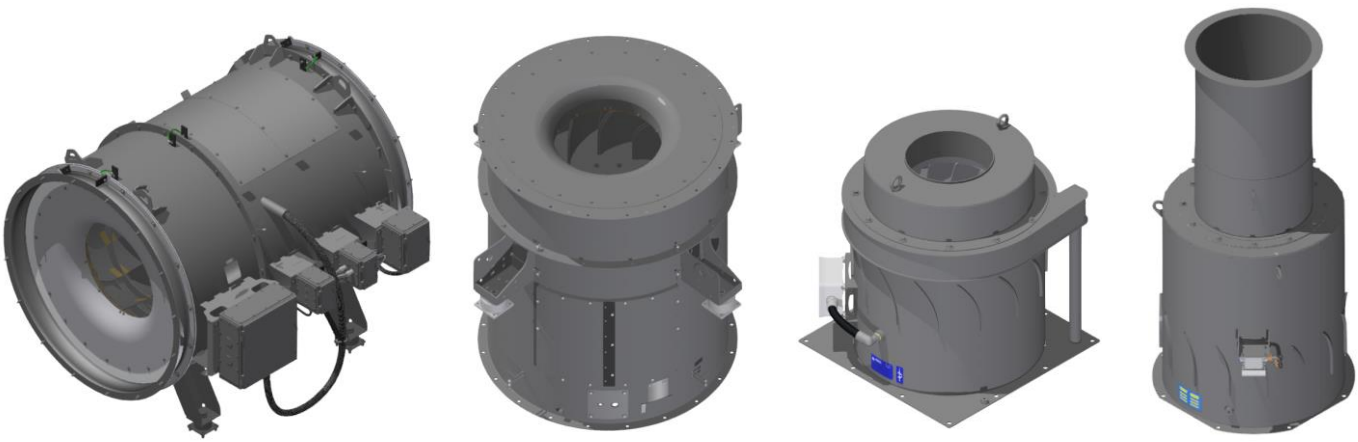
FORM OF RUNNING

CNX Fans are available in different form of running upon request.



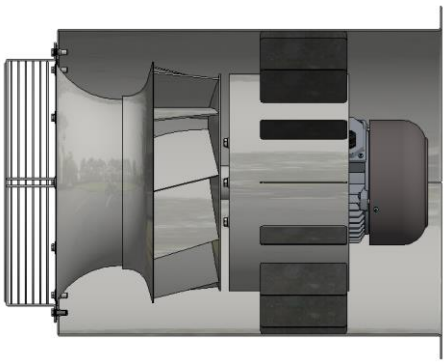
CUSTOMIZED VERSION

Customized versions with special materials, special dimension, motors according to customer's specifications, are available upon request.

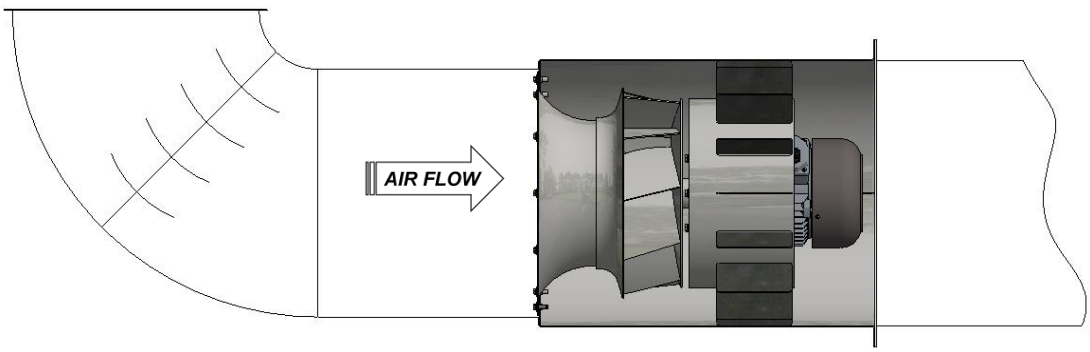


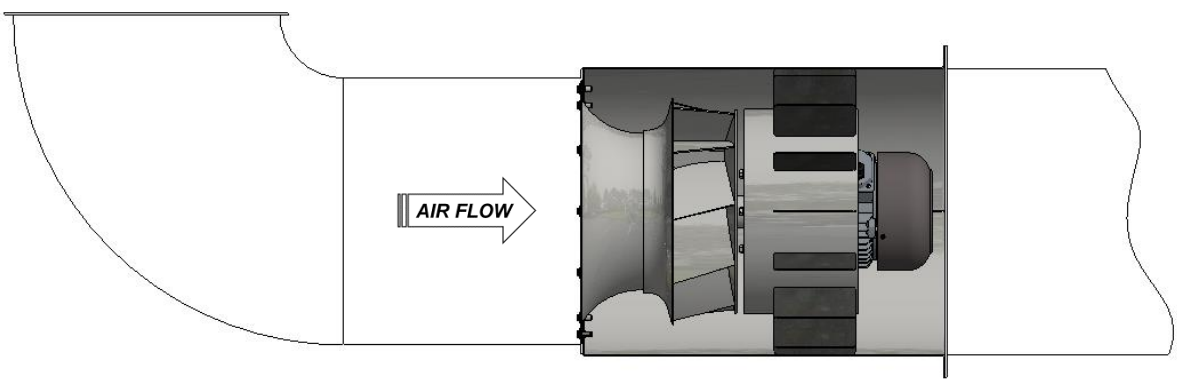
IDEAL INSTALLATION
Fan ducted on the inlet side and outlet side, with duct length equal to 2 X D (D = fan diameter)

GUARD INSTALLATION
When the fan installation is free inlet, is recommended the use of the guard for safety reason



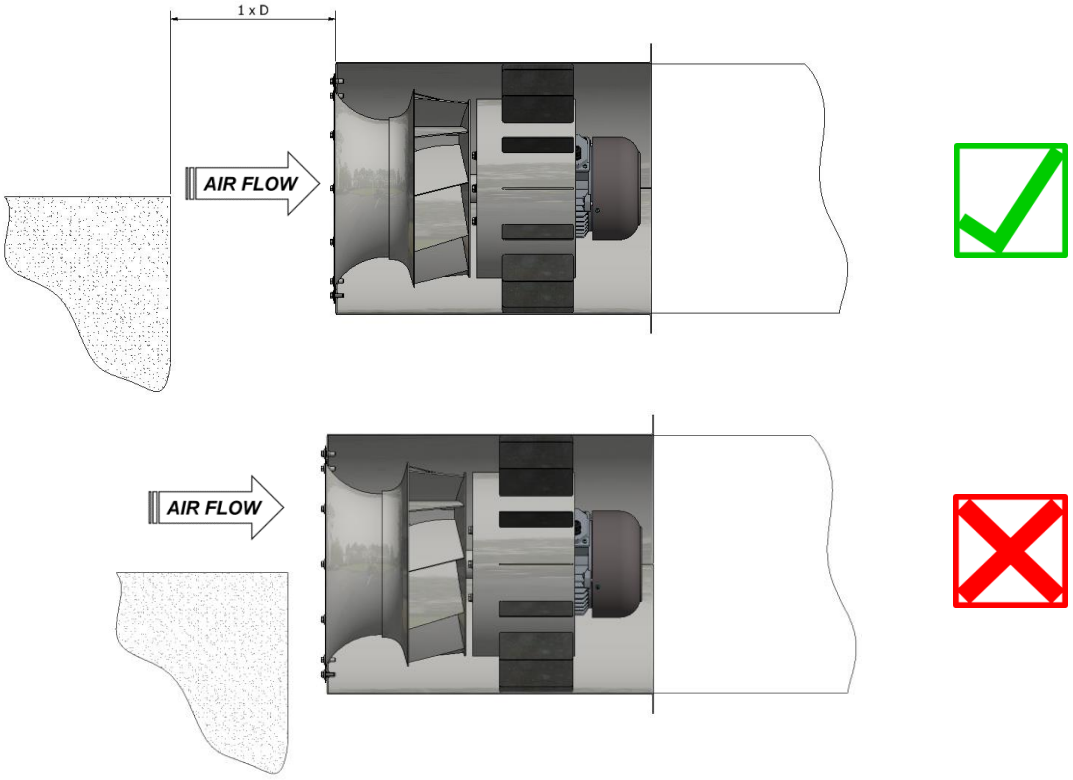
INSTALLATION IN CURVED DUCT
When fan is installed in a curved duct, is recommended the use of guided vanes to minimize the losses





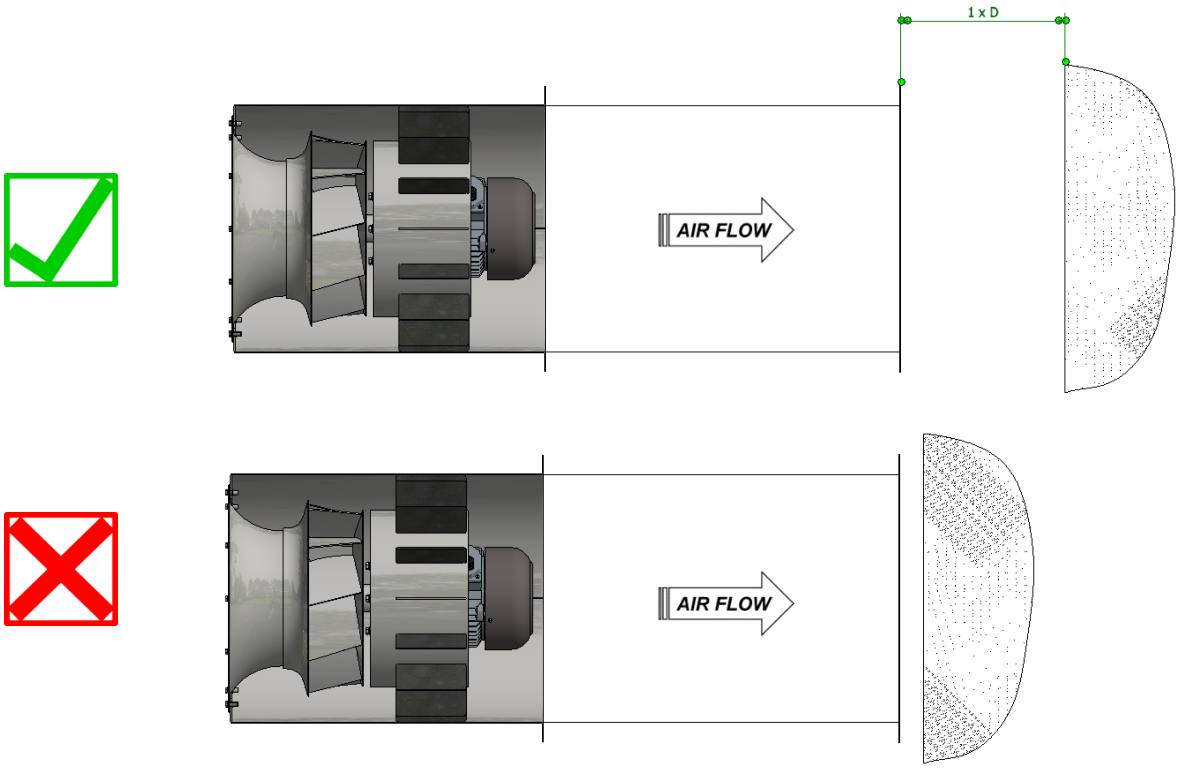
OBSTRUCTED INLET INSTALLATION

When the fan inlet is obstructed, is recommended to keep a distance from the obstacle of at least 1 X D



OBSTRUCTED OUTLET INSTALLATION

When the fan outlet is obstructed, is recommended to keep a distance from the obstacle of at least 1 X D



HOW TO SELECT A FAN

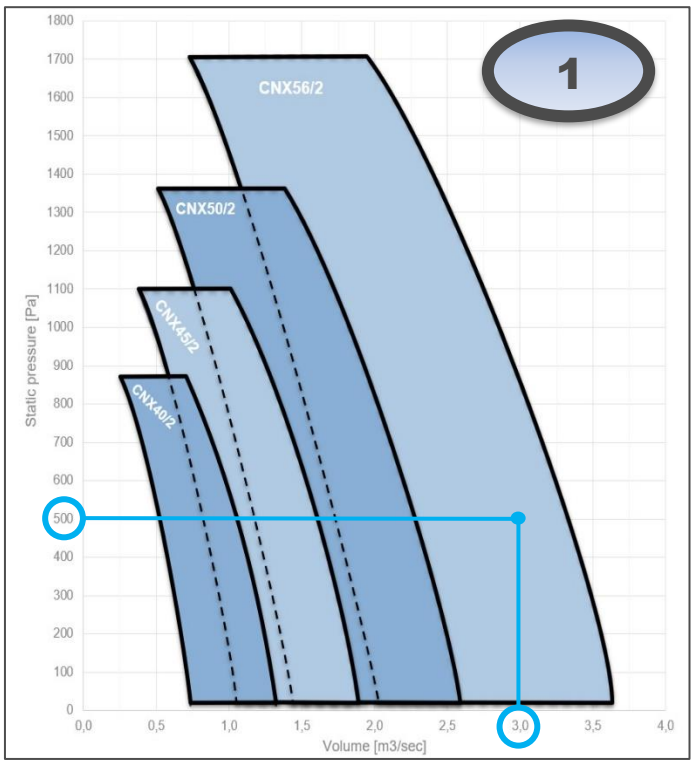
1) **USE THE QUICK SELECTION CURVES** to determine the fan diameter and speed to meet a specified duty

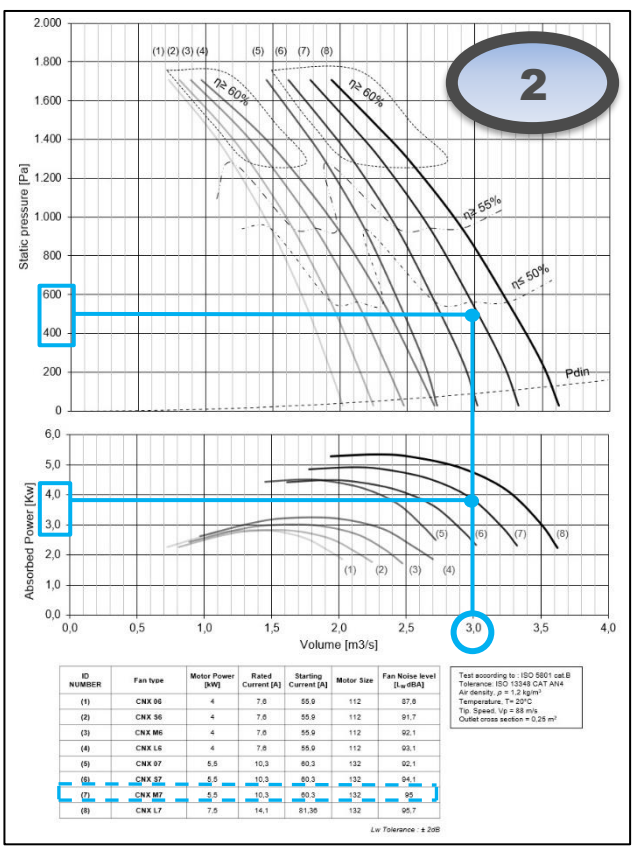
2) **REFER TO THE CORRESPONDENT FAN CURVE** which provides detailed information on the specific product, including Fan type, Efficiency, Power, Noise Level and Motor Size

3) **DIMENSIONS** are shown on the following tables. Reference data are the fan and motor size of the selected unit.

Example :
Specified performances :
- *Volume flow: 3 m3/s*
- *Static Pressure: 500*

1 >> Selected Fan Size and Speed : CNX 56/2
2 >> Fan type: CNX M7
Absorbed Power: 5,5 kW
Motor size : 132
*3 >> Dimensions from ref. : **CNX 56 -132***

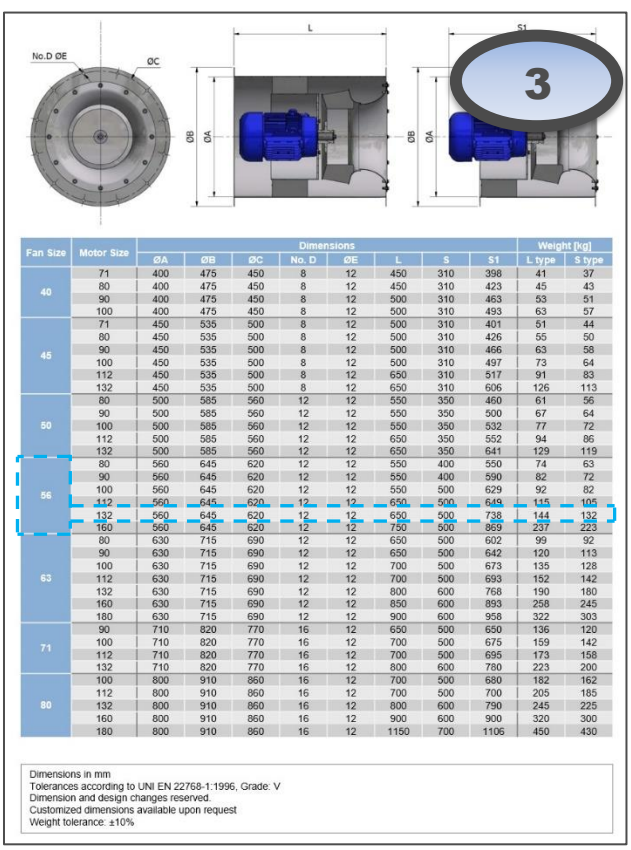




ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	4	7,6	55,9	112	87,6
(2)	CNX 56	4	7,6	55,9	112	91,7
(3)	CNX M6	4	7,6	55,9	112	92,1
(4)	CNX L6	4	7,6	55,9	112	93,1
(5)	CNX 07	5,5	10,3	80,3	132	92,1
(6)	CNX S7	5,5	10,3	80,3	132	94,1
(7)	CNX M7	5,5	10,3	80,3	132	95
(8)	CNX L7	7,5	14,1	81,36	132	95,7

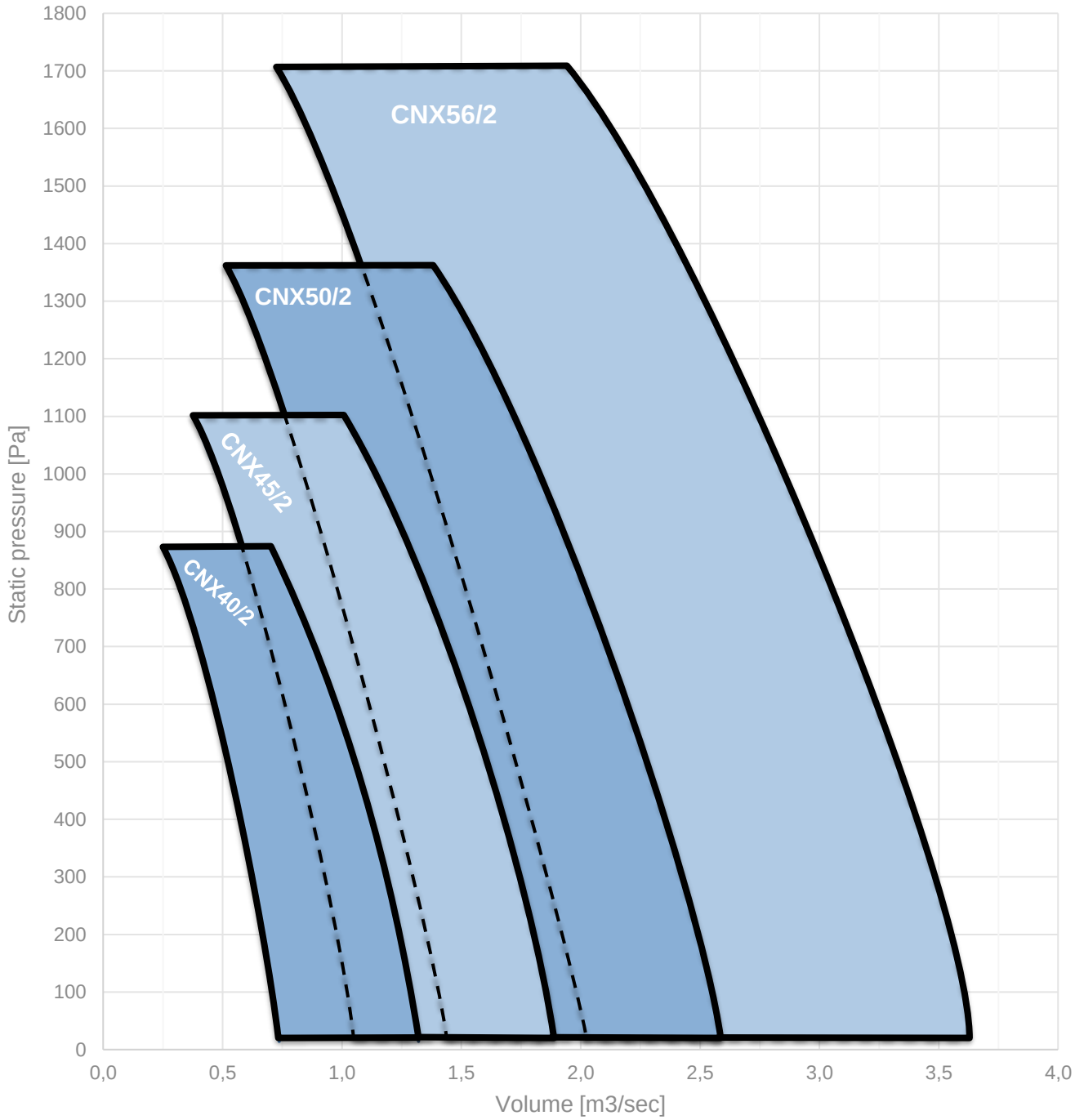
Lw Tolerance : ± 2dB

Test according to : ISO 5801 cat.B
Tolerance: ISO 13349 CAT AN4
Air density: ρ = 1,2 kg/m³
Temperature: T= 20°C
Tip. Speed: Vp = 88 m/s
Outlet cross section = 0,25 m²



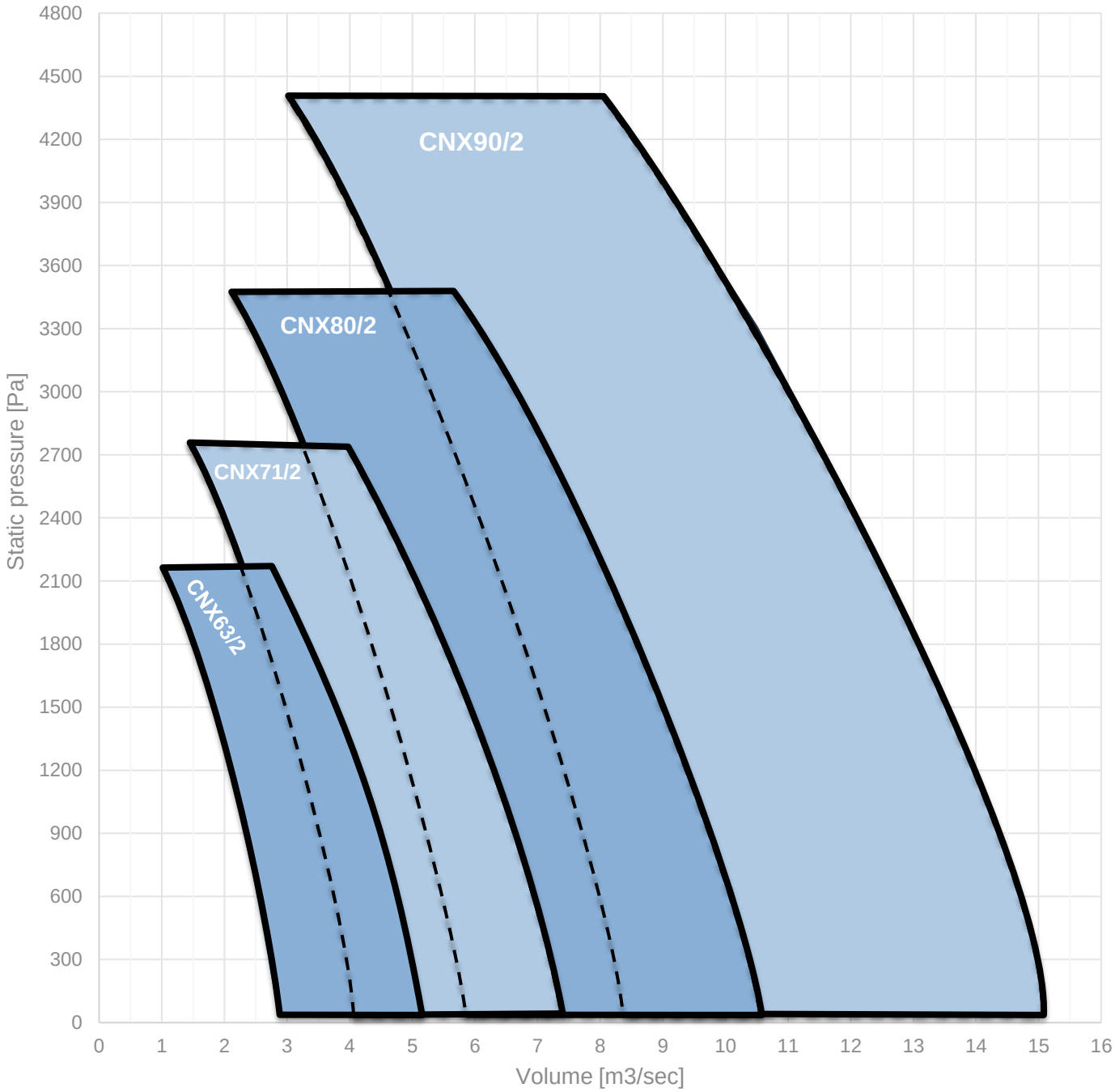
Fan Size	Motor Size	Dimensions								Weight [kg]	
		ØA	ØB	ØC	No. D	ØE	L	S	S1	L type	S type
40	71	400	475	450	8	12	450	310	398	41	37
	80	400	475	450	8	12	450	310	423	45	43
	90	400	475	450	8	12	500	310	463	53	51
	100	400	475	450	8	12	500	310	493	63	57
45	71	450	535	500	8	12	500	310	401	51	44
	80	450	535	500	8	12	500	310	426	55	50
	90	450	535	500	8	12	500	310	466	63	58
	100	450	535	500	8	12	500	310	497	73	64
	112	450	535	500	8	12	650	310	517	91	83
	132	450	535	500	8	12	650	310	606	126	113
50	80	500	585	560	12	12	550	350	460	61	56
	90	500	585	560	12	12	550	350	500	67	64
	100	500	585	560	12	12	550	350	532	77	72
	112	500	585	560	12	12	650	350	552	94	86
	132	500	585	560	12	12	650	350	641	129	119
56	80	560	645	620	12	12	550	400	550	74	63
	90	560	645	620	12	12	550	400	590	82	72
	100	560	645	620	12	12	550	500	629	92	82
	112	560	645	620	12	12	650	500	649	115	105
	132	560	645	620	12	12	650	500	738	144	132
	160	560	645	620	12	12	750	500	869	237	223
63	80	630	715	690	12	12	650	500	602	99	92
	90	630	715	690	12	12	650	500	642	120	113
	100	630	715	690	12	12	700	500	673	135	128
	112	630	715	690	12	12	700	500	693	152	142
	132	630	715	690	12	12	800	600	768	190	180
	160	630	715	690	12	12	850	600	893	258	245
	180	630	715	690	12	12	900	600	956	322	303
71	90	710	820	770	16	12	650	500	650	136	120
	100	710	820	770	16	12	700	500	675	159	142
	112	710	820	770	16	12	700	500	695	173	158
	132	710	820	770	16	12	800	600	780	223	200
80	100	800	910	860	16	12	700	500	680	182	162
	112	800	910	860	16	12	700	500	700	205	185
	132	800	910	860	16	12	800	600	790	245	225
	160	800	910	860	16	12	900	600	900	320	300
	180	800	910	860	16	12	1150	700	1106	450	430

Dimensions in mm
Tolerances according to UNI EN 22768-1:1996, Grade: V
Dimension and design changes reserved.
Customized dimensions available upon request
Weight tolerance: ±10%



Fan selection info:
Use the above diagram to make a pre-selection of the fan according to the volume flow and static pressure needed. Consult the detailed performance curves of each fan type to check the motor power installed and the noise levels. Fan size is indicated in cm (e.g.: CNX45 correspond to 450mm of internal diameter), all the general dimensions are listed in the table below.
In case of higher nominal speed or for any further info please contact our sales department.

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C



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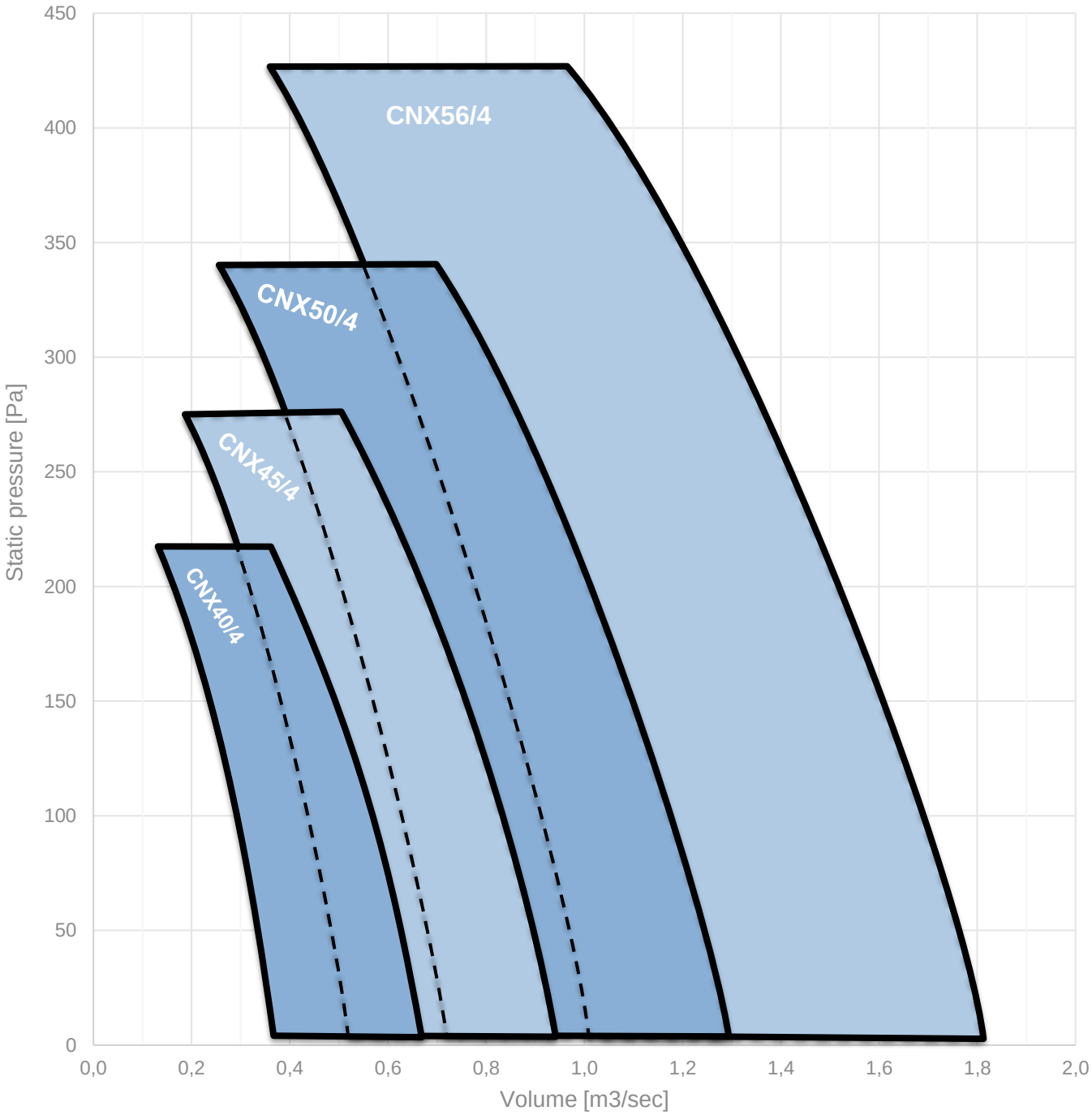

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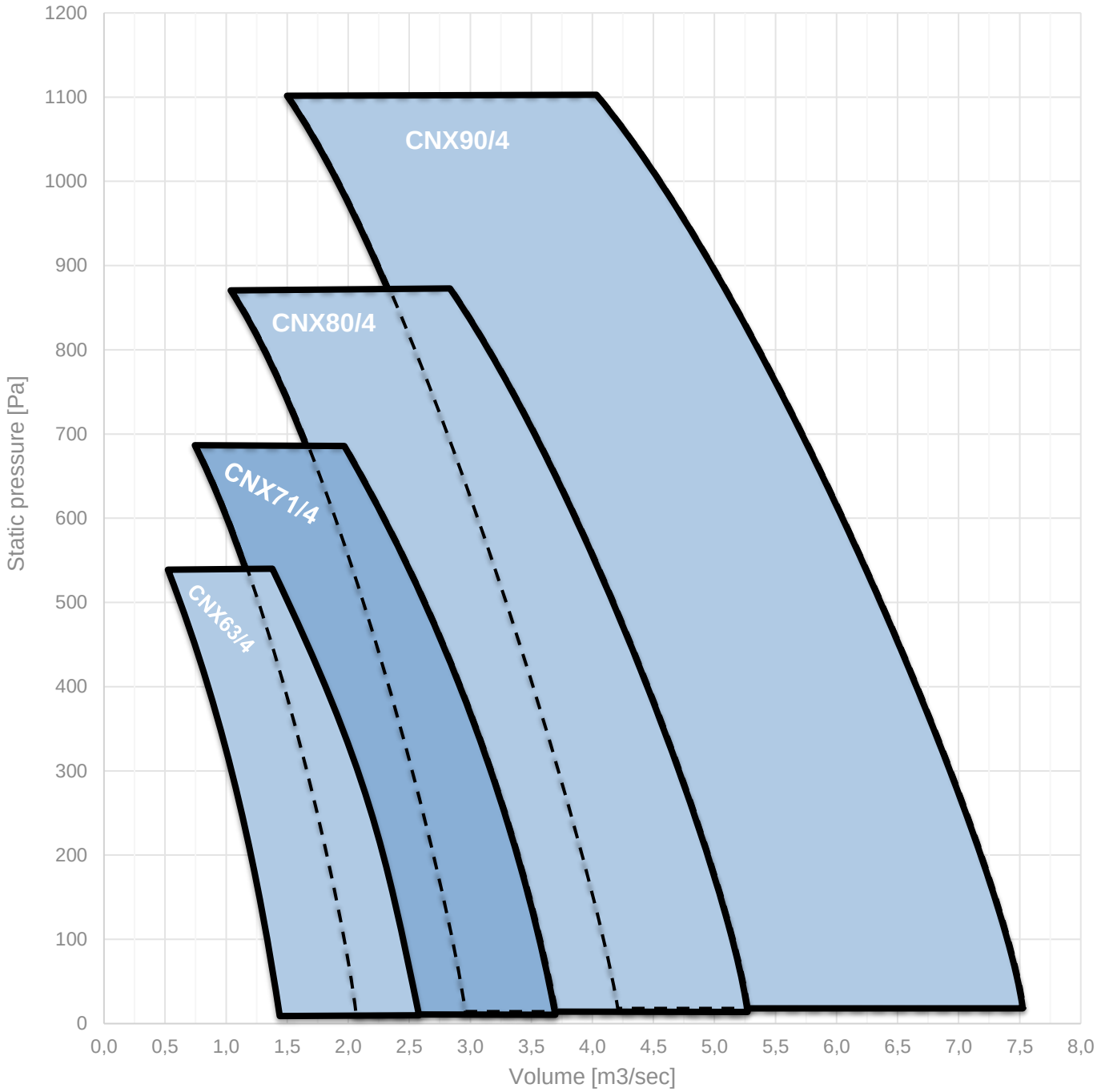

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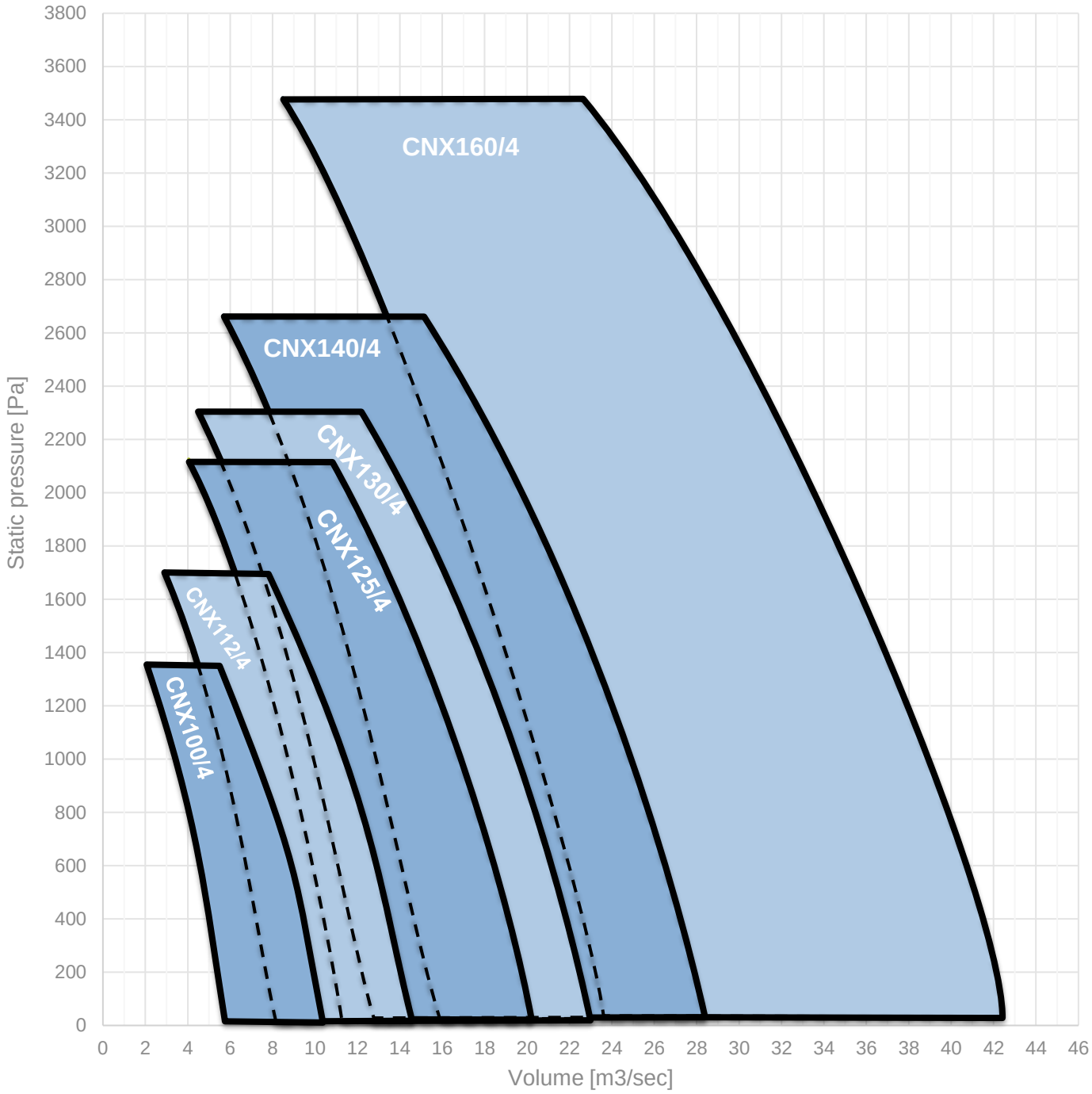

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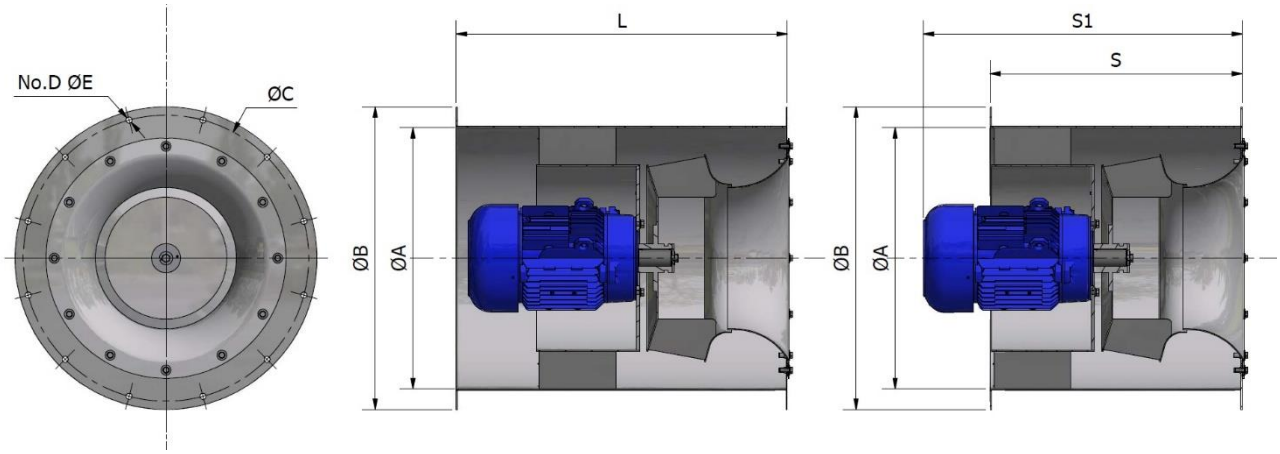

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45	71	450	535	500	8	12	500	310	401	51	44
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	100	560	645	620	12	12	550	500	629	92	82
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	112	630	715	690	12	12	700	500	693	152	142
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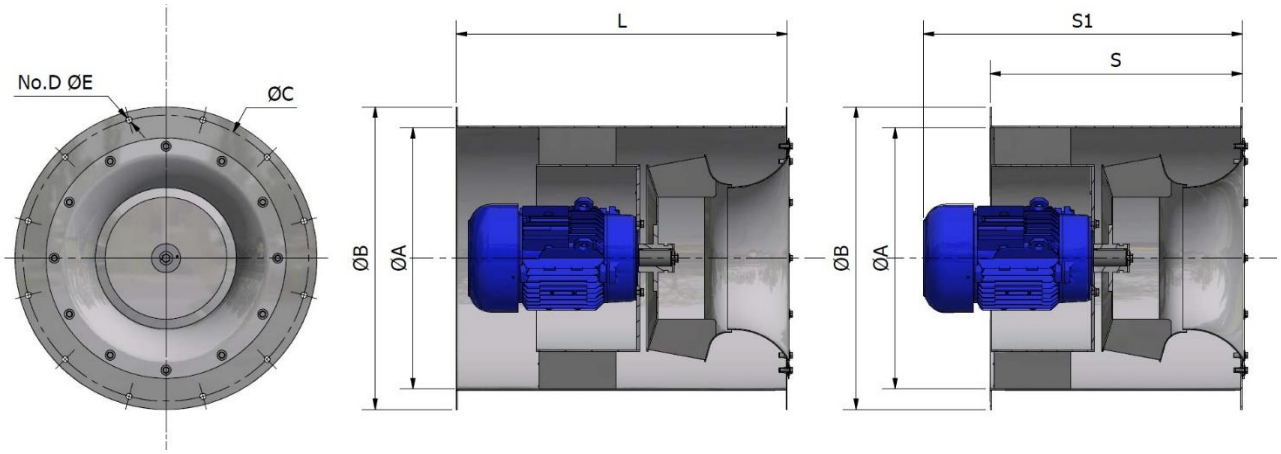
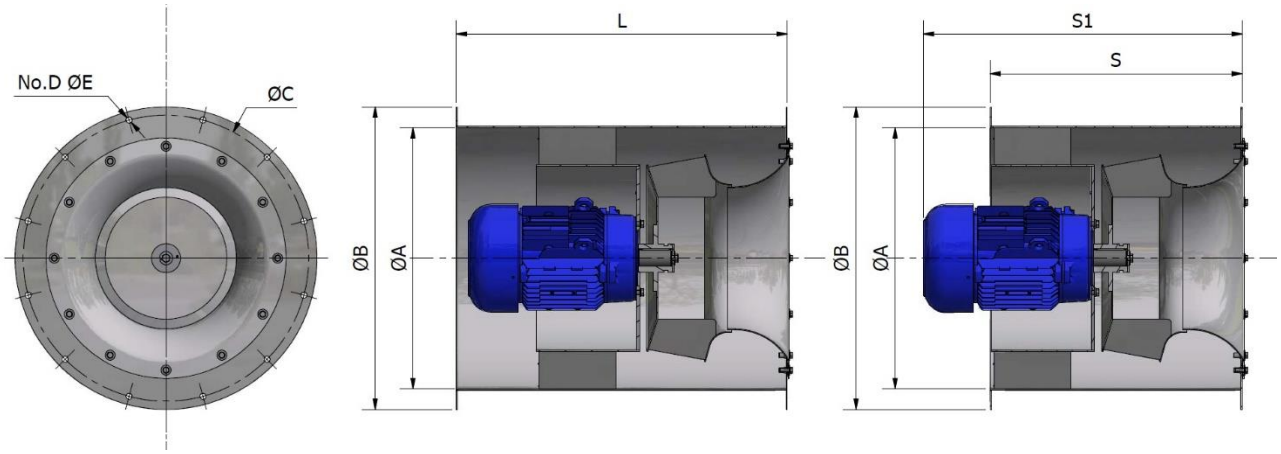
80	100	800	910	860	16	12	700	500	680	182	162
	112	800	910	860	16	12	700	500	700	205	185
	132	800	910	860	16	12	800	600	790	245	225
	160	800	910	860	16	12	900	600	900	320	300
	180	800	910	860	16	12	1150	700	1106	450	430

Dimensions in mm
Tolerances according to UNI EN 22768-1:1996, Grade: V
Dimension and design changes reserved.
Customized dimensions available upon request
Weight tolerance: ±10%



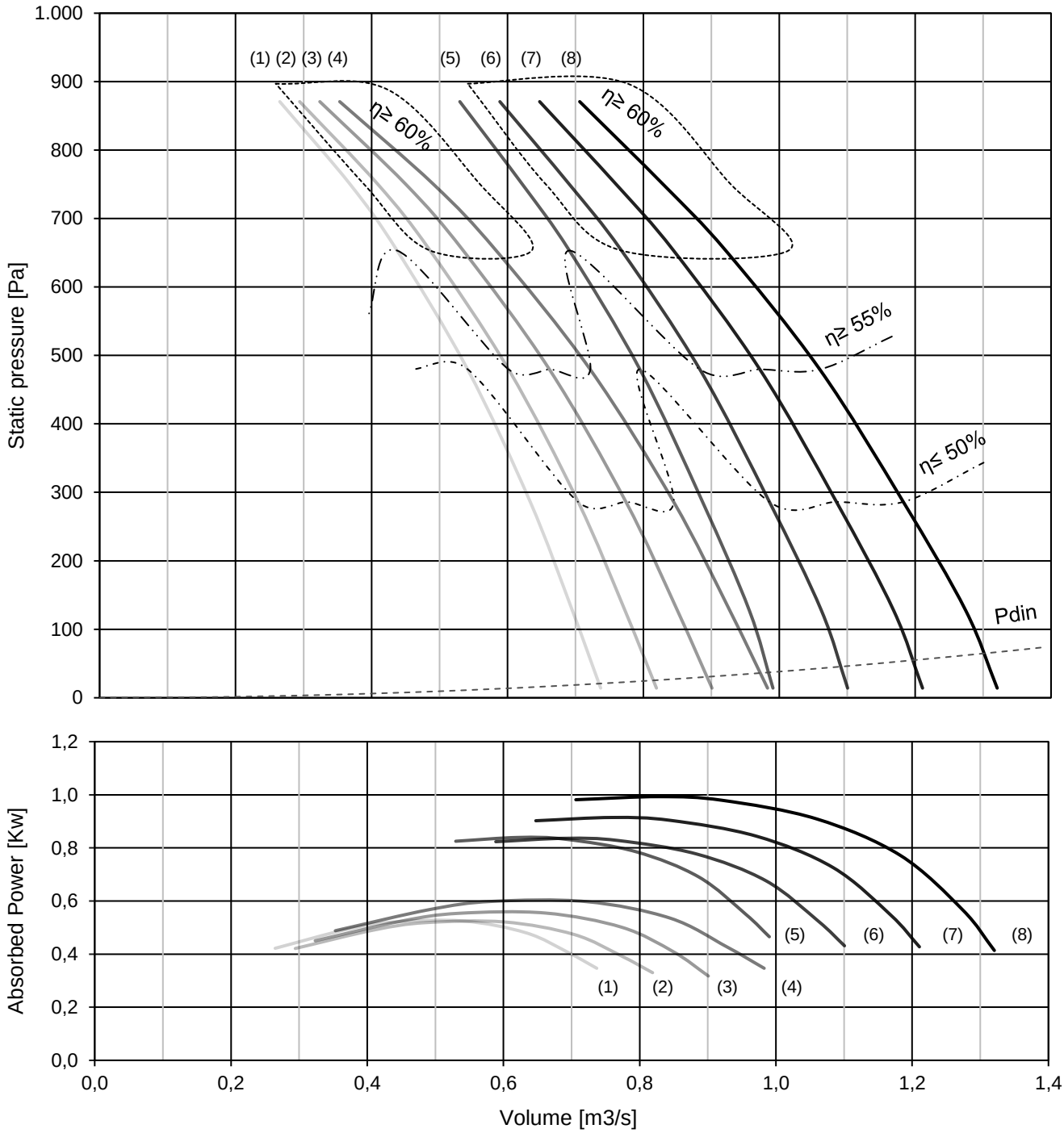
Fan Size	Motor Size	Dimensions								Weight [kg]	
		ØA	ØB	ØC	No. D	ØE	L	S	S1	L type	S type
90	100	900	1010	970	16	15	700	600	680	282	252
	112	900	1010	970	16	15	700	600	700	305	275
	132	900	1010	970	16	15	800	600	790	345	315
	160	900	1010	970	16	15	900	700	900	420	390
	180	900	1010	970	16	15	1200	700	1050	550	505
	200	900	1010	970	16	15	1200	700	1100	613	550
	225	900	1010	970	16	15	1200	700	1150	702	598
100	112	1000	1110	1070	16	15	700	600	700	405	375
	132	1000	1110	1070	16	15	800	600	790	445	415
	160	1000	1110	1070	16	15	900	700	900	520	490
	180	1000	1110	1070	16	15	1200	700	1050	650	605
	200	1000	1110	1070	16	15	1200	700	1100	713	650
	225	1000	1110	1070	16	15	1200	700	1150	802	698
112	132	1120	1230	1190	20	15	1000	700	990	745	729
	160	1120	1230	1190	20	15	1100	800	1040	800	777
	180	1120	1230	1190	20	15	1200	800	1100	950	878
	200	1120	1230	1190	20	15	1400	900	1325	1050	950
	225	1120	1230	1190	20	15	1400	900	1375	1150	1039
	250	1120	1230	1190	20	15	1500	900	1450	1300	1219
125	160	1250	1360	1320	20	15	1200	900	1150	1070	1043
	180	1250	1360	1320	20	15	1400	900	1350	1130	1094
	200	1250	1360	1320	20	15	1500	1000	1400	1200	1126
	225	1250	1360	1320	20	15	1500	1000	1450	1290	1155
	250	1250	1360	1320	20	15	1500	1000	1500	1420	1385
	280	1250	1360	1320	20	15	1630	1030	1570	1600	1468

Dimensions in mm
Tolerances according to UNI EN 22786-1:1996, Grade: V
Dimension and design changes reserved.
Customized dimensions available upon request
Weight tolerance: ±10%



Fan Size	Motor Size	Dimensions								Weight [kg]	
		ØA	ØB	ØC	No. D	ØE	L	S	S1	L type	S type
130	160	1300	1420	1370	20	15	1200	900	1150	1120	1093
	180	1300	1420	1370	20	15	1400	900	1350	1180	1144
	200	1300	1420	1370	20	15	1500	1000	1400	1250	1176
	225	1300	1420	1370	20	15	1630	1000	1450	1390	1205
	250	1300	1420	1370	20	15	1630	1000	1500	1470	1435
	280	1300	1420	1370	20	15	1630	1030	1570	1650	1518
140	160	1400	1530	1470	20	15	1200	900	1150	1170	1143
	180	1400	1530	1470	20	15	1400	900	1350	1230	1194
	200	1400	1530	1470	20	15	1500	1000	1400	1300	1226
	225	1400	1530	1470	20	15	1500	1000	1450	1490	1255
	250	1400	1530	1470	20	15	1500	1000	1500	1520	1485
	280	1400	1530	1470	20	15	1630	1030	1570	1700	1568
160	180	1600	1730	1680	24	18	1500	1000	1450	1330	1294
	200	1600	1730	1680	24	18	1500	1200	1450	1400	1326
	225	1600	1730	1680	24	18	1500	1200	1450	1590	1355
	250	1600	1730	1680	24	18	1500	1200	1500	1620	1585
	280	1600	1730	1680	24	18	1700	1200	1670	1800	1668
	315	1600	1730	1680	24	18	1800	1400	1760	2150	2070

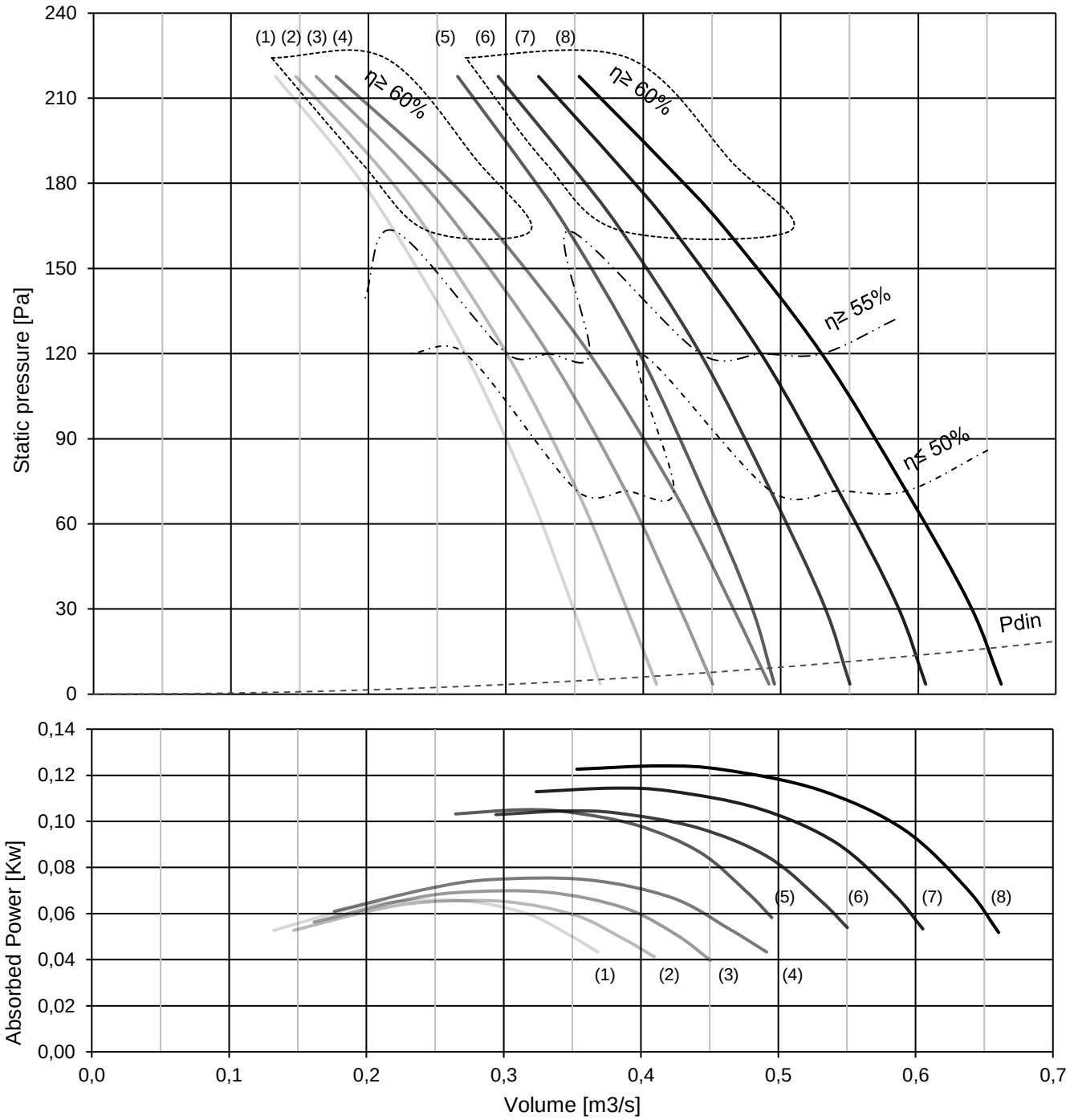
Dimensions in mm
Tolerances according to UNI EN 22786-1:1996, Grade: V
Dimension and design changes reserved.
Customized dimensions available upon request
Weight tolerance: ±10%



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	0,75	1,6	10,1	80	83,2
(2)	CNX S6	0,75	1,6	10,1	80	87,3
(3)	CNX M6	0,75	1,6	10,1	80	87,7
(4)	CNX L6	0,75	1,6	10,1	80	88,7
(5)	CNX 07	1,1	2,3	14,7	80	87,7
(6)	CNX S7	1,1	2,3	14,7	80	89,7
(7)	CNX M7	1,1	2,3	14,7	80	90,6
(8)	CNX L7	1,1	2,3	14,7	80	91,3

Lw Tolerance : ± 2dB

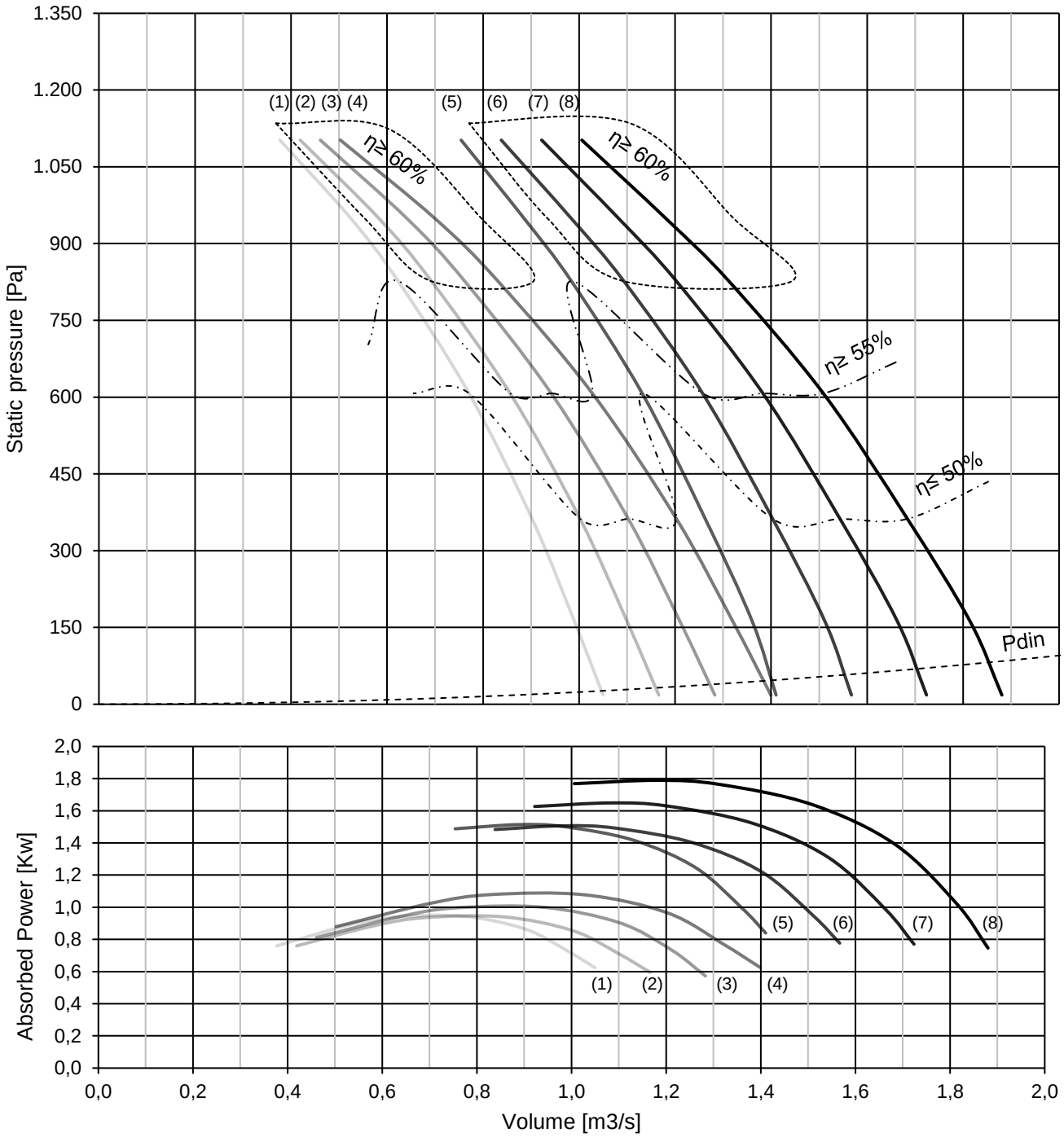
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 63 m/s
Outlet cross section = 0,12 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	0,25	0,63	2,2	71	69,3
(2)	CNX S6	0,25	0,63	2,2	71	73,5
(3)	CNX M6	0,25	0,63	2,2	71	73,8
(4)	CNX L6	0,25	0,63	2,2	71	74,9
(5)	CNX 07	0,25	0,63	2,2	71	73,9
(6)	CNX S7	0,25	0,63	2,,2	71	75,8
(7)	CNX M7	0,25	0,63	2,2	71	76,7
(8)	CNX L7	0,25	0,63	2,2	71	77,5

Lw Tolerance : ± 2dB

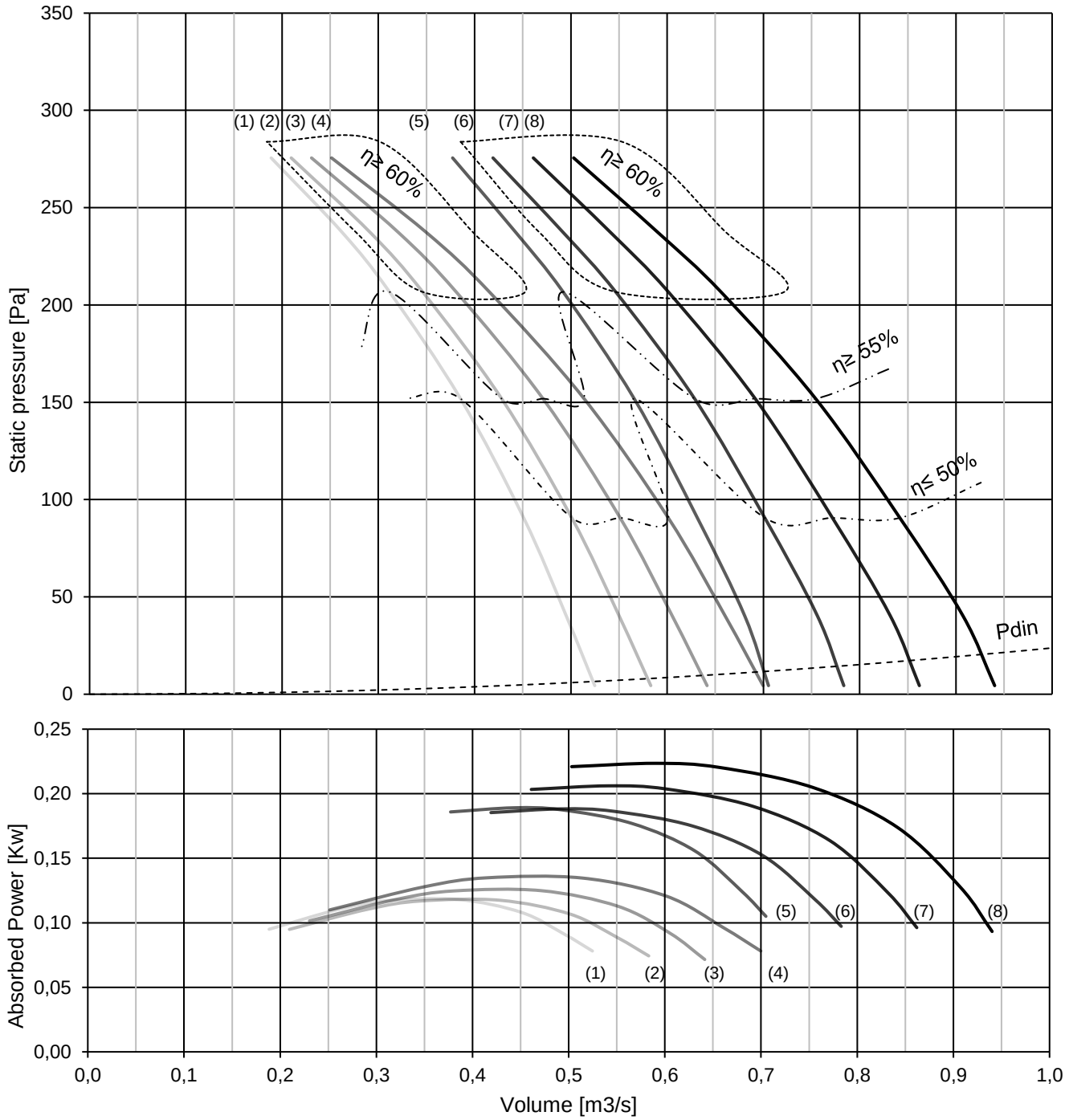
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 31 m/s
Outlet cross section = 0,12 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	1,5	3	18,8	90	84,7
(2)	CNX S6	1,5	3	18,8	90	88,9
(3)	CNX M6	1,5	3	18,8	90	89,2
(4)	CNX L6	1,5	3	18,8	90	90,3
(5)	CNX 07	2,2	4,5	28,2	90	89,3
(6)	CNX S7	2,2	4,5	28,2	90	91,2
(7)	CNX M7	2,2	4,5	28,2	90	92,1
(8)	CNX L7	2,2	4,5	28,2	90	92,8

Lw Tolerance : ± 2dB

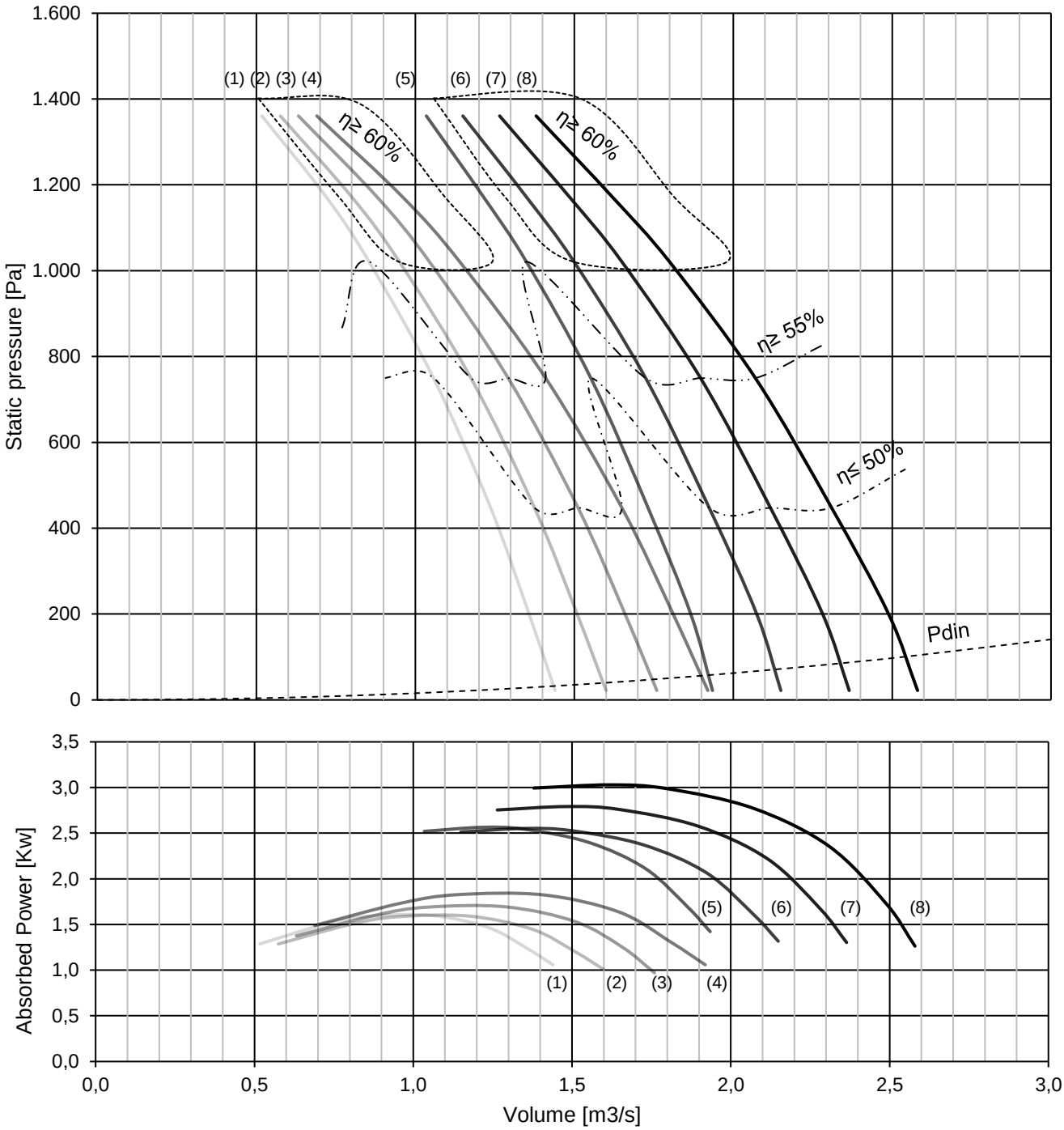
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 71 m/s
Outlet cross section = 0,16 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	0,25	0,63	2,2	71	70,9
(2)	CNX S6	0,25	0,63	2,2	71	75
(3)	CNX M6	0,25	0,63	2,2	71	75,4
(4)	CNX L6	0,25	0,63	2,2	71	76,4
(5)	CNX 07	0,25	0,63	2,2	71	75,4
(6)	CNX S7	0,25	0,63	2,2	71	77,4
(7)	CNX M7	0,25	0,63	2,2	71	78,3
(8)	CNX L7	0,25	0,63	2,2	71	79

Lw Tolerance : ± 2dB

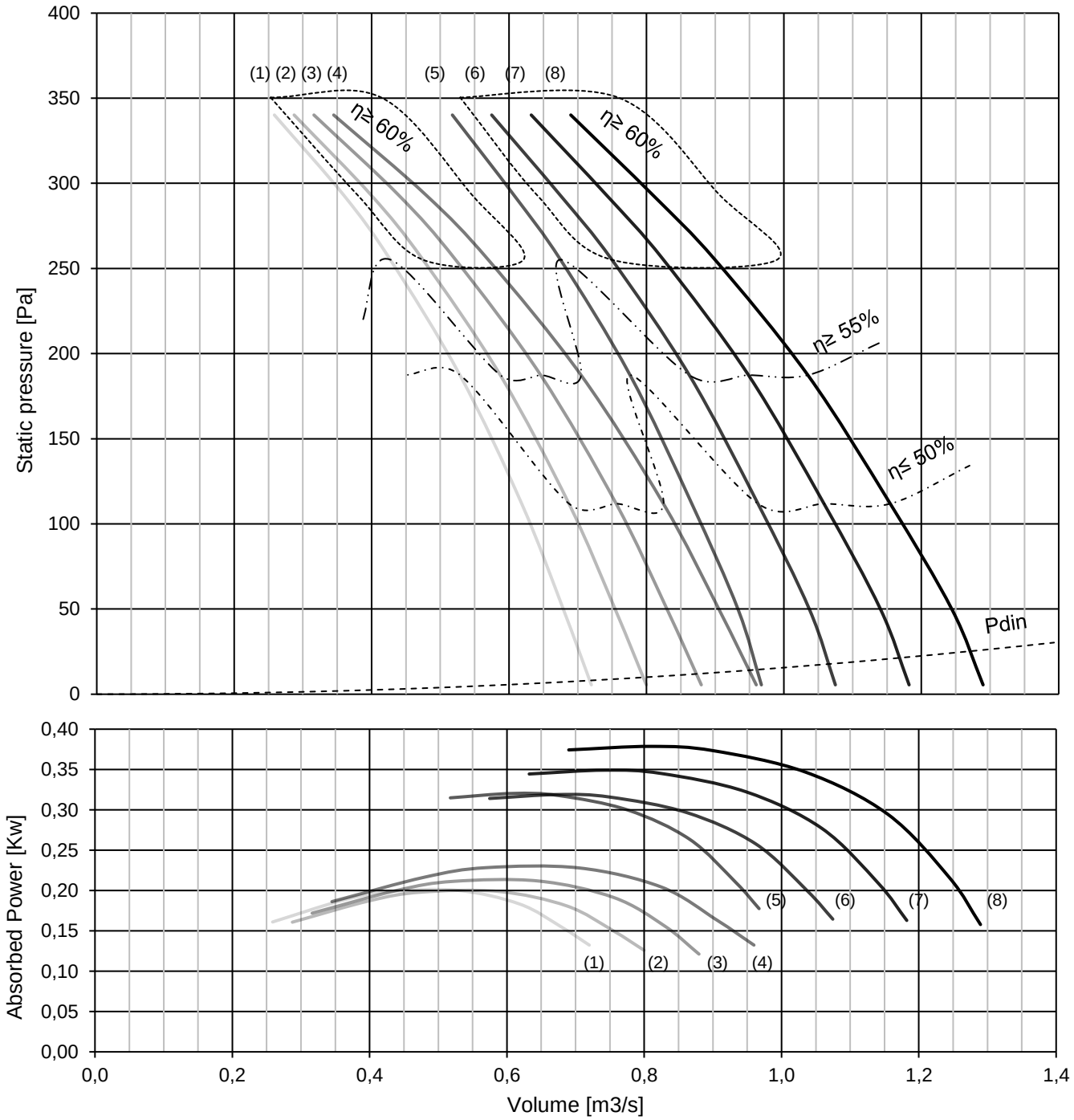
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 35 m/s
Outlet cross section = 0,16 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	2,2	4,5	28,2	90	86,1
(2)	CNX S6	2,2	4,5	28,2	90	90,2
(3)	CNX M6	2,2	4,5	28,2	90	90,6
(4)	CNX L6	2,2	4,5	28,2	90	91,6
(5)	CNX 07	3	6,1	46,9	100	90,6
(6)	CNX S7	3	6,1	46,9	100	92,6
(7)	CNX M7	3	6,1	46,9	100	93,5
(8)	CNX L7	4	7,6	55,9	112	94,2

Lw Tolerance : ± 2dB

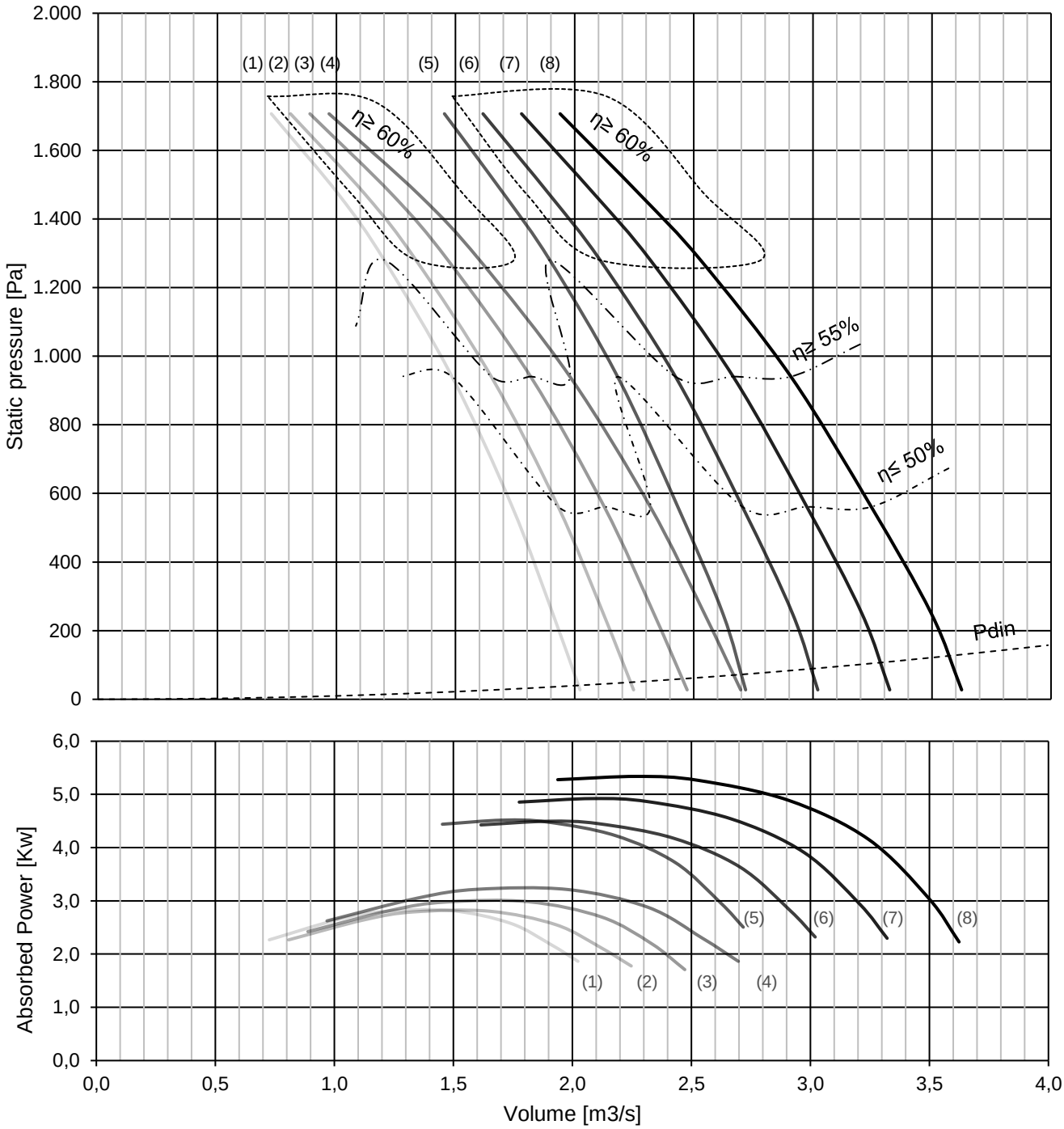
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 79 m/s
Outlet cross section = 0,20 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	0,25	0,63	2,2	71	72,2
(2)	CNX S6	0,25	0,63	2,2	71	76,4
(3)	CNX M6	0,25	0,63	2,2	71	76,7
(4)	CNX L6	0,25	0,63	2,2	71	77,8
(5)	CNX 07	0,37	0,87	4	71	76,8
(6)	CNX S7	0,37	0,87	4	71	78,8
(7)	CNX M7	0,55	1,45	6,53	80	79,6
(8)	CNX L7	0,55	1,45	6,53	80	80,4

Lw Tolerance : ± 2dB

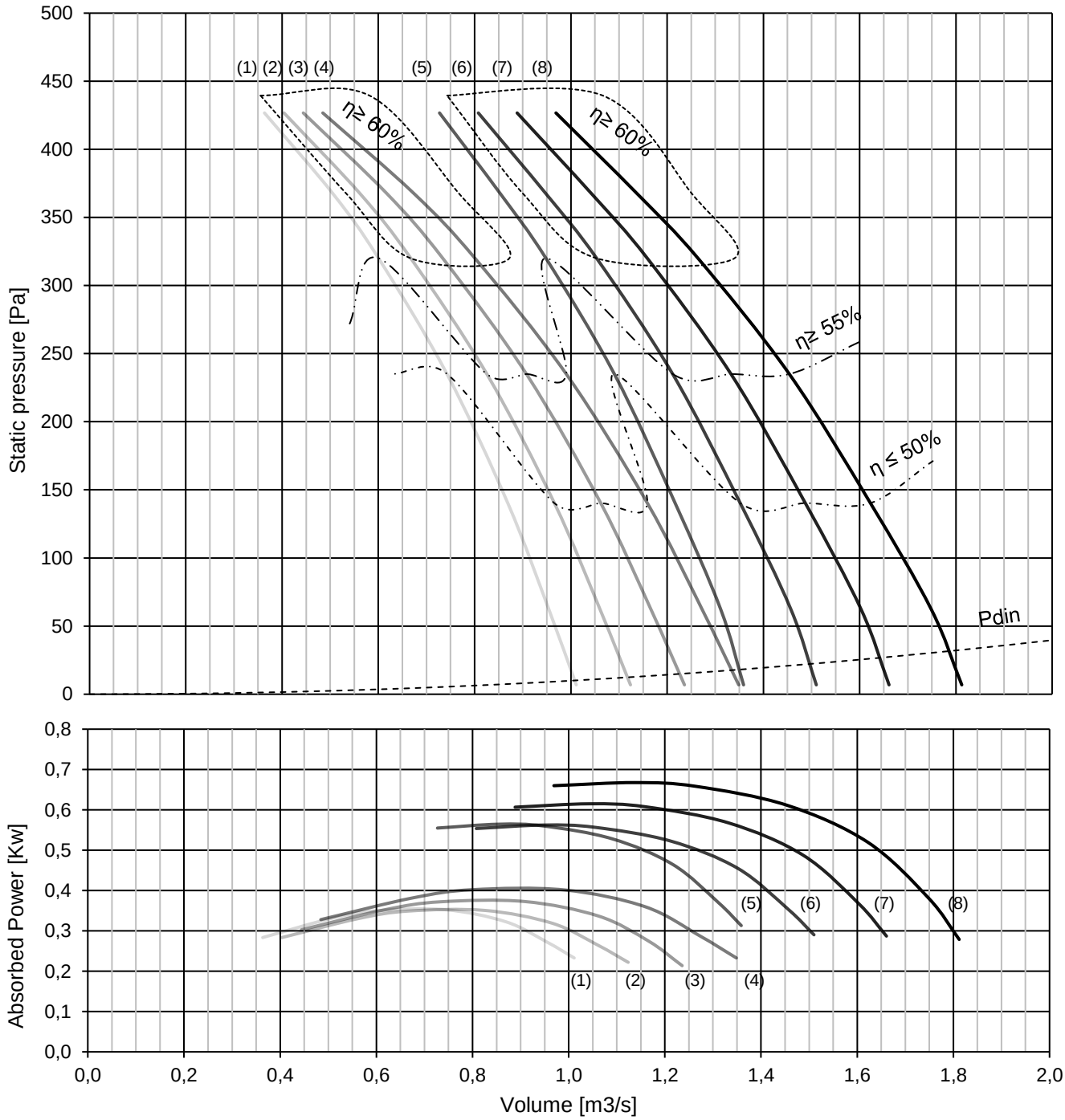
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 39 m/s
Outlet cross section = 0,20 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	4	7,6	55,9	112	87,6
(2)	CNX S6	4	7,6	55,9	112	91,7
(3)	CNX M6	4	7,6	55,9	112	92,1
(4)	CNX L6	4	7,6	55,9	112	93,1
(5)	CNX 07	5,5	10,3	60,3	132	92,1
(6)	CNX S7	5,5	10,3	60,3	132	94,1
(7)	CNX M7	5,5	10,3	60,3	132	95
(8)	CNX L7	7,5	14,1	81,36	132	95,7

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 88 m/s
Outlet cross section = 0,25 m^2

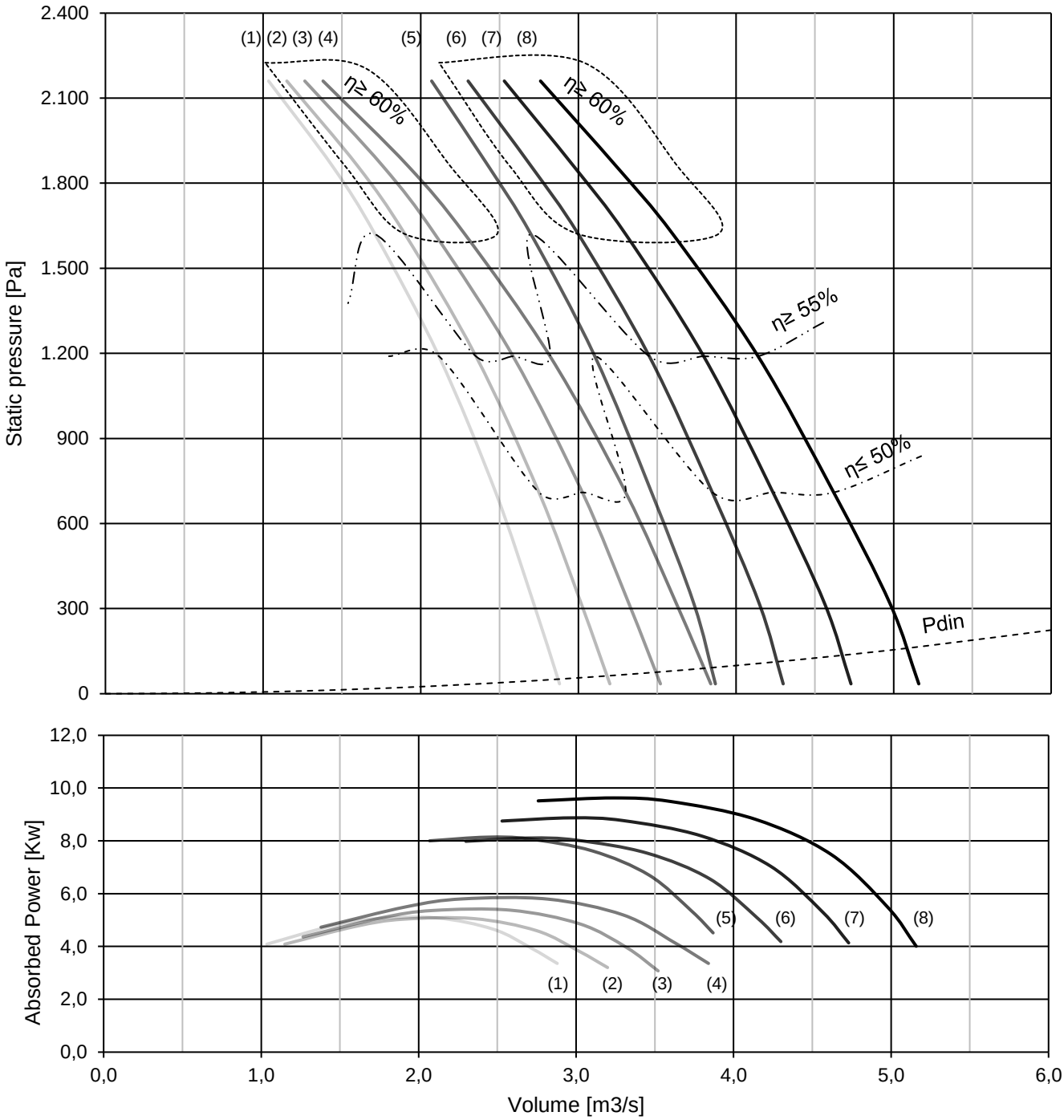
Lw Tolerance : ± 2dB



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	0,55	1,45	6,53	80	73,7
(2)	CNX S6	0,55	1,45	6,53	80	77,9
(3)	CNX M6	0,55	1,45	6,53	80	78,2
(4)	CNX L6	0,55	1,45	6,53	80	79,3
(5)	CNX 07	0,75	1,7	9,7	80	78,3
(6)	CNX S7	0,75	1,7	9,7	80	80,2
(7)	CNX M7	0,75	1,7	9,7	80	81,1
(8)	CNX L7	0,75	1,7	9,7	80	81,8

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 44 m/s
Outlet cross section = 0,25 m^2

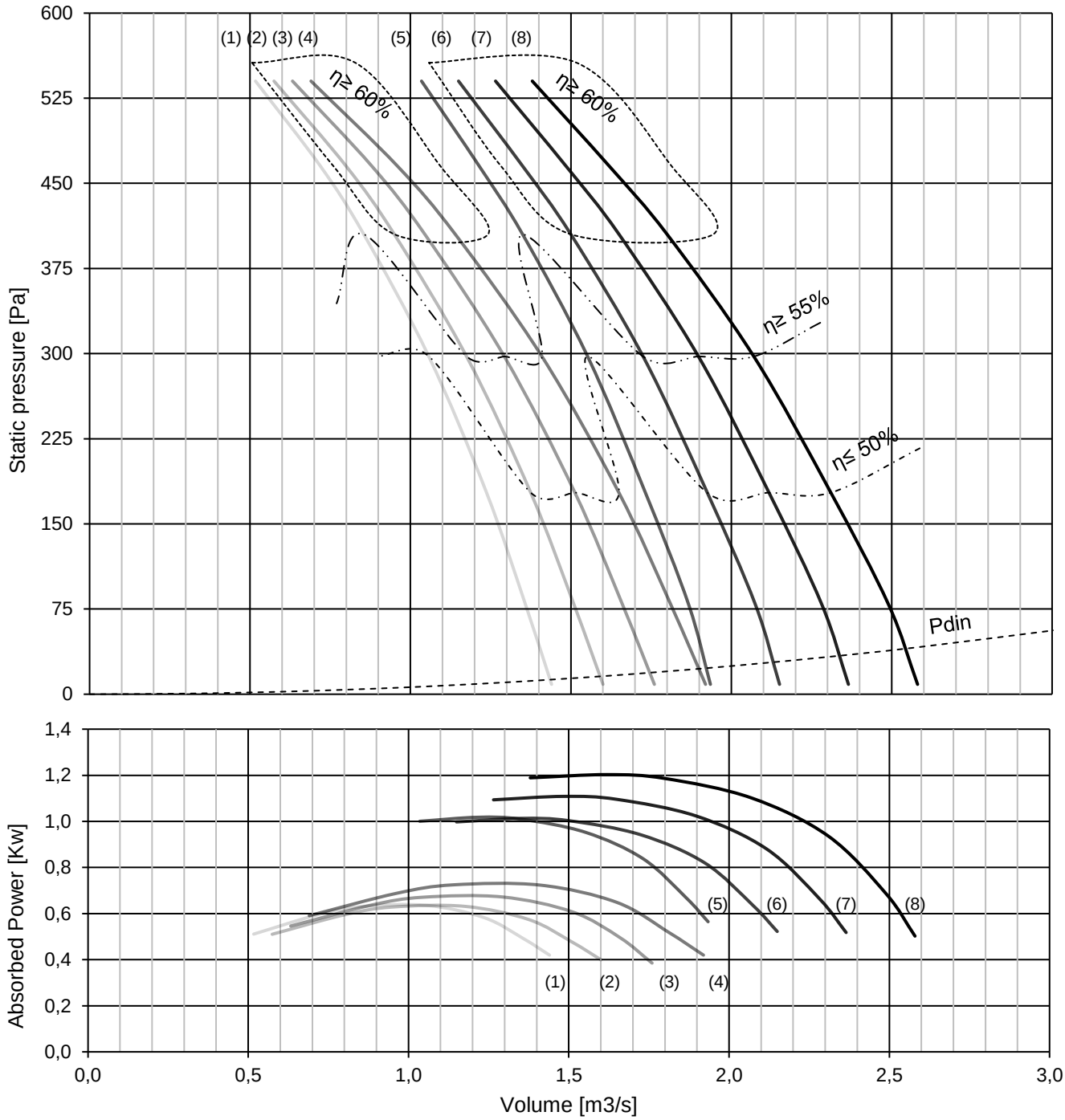
Lw Tolerance : ± 2dB



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	7,5	14,1	81,36	132	89,1
(2)	CNX S6	7,5	14,1	81,36	132	93,2
(3)	CNX M6	7,5	14,1	81,36	132	93,6
(4)	CNX L6	7,5	14,1	81,36	132	94,6
(5)	CNX 07	9	16,8	109,2	132	93,7
(6)	CNX S7	9	16,8	109,2	132	95,6
(7)	CNX M7	11	20,1	157,4	160	96,5
(8)	CNX L7	11	20,1	157,4	160	97,2

Lw Tolerance : ± 2dB

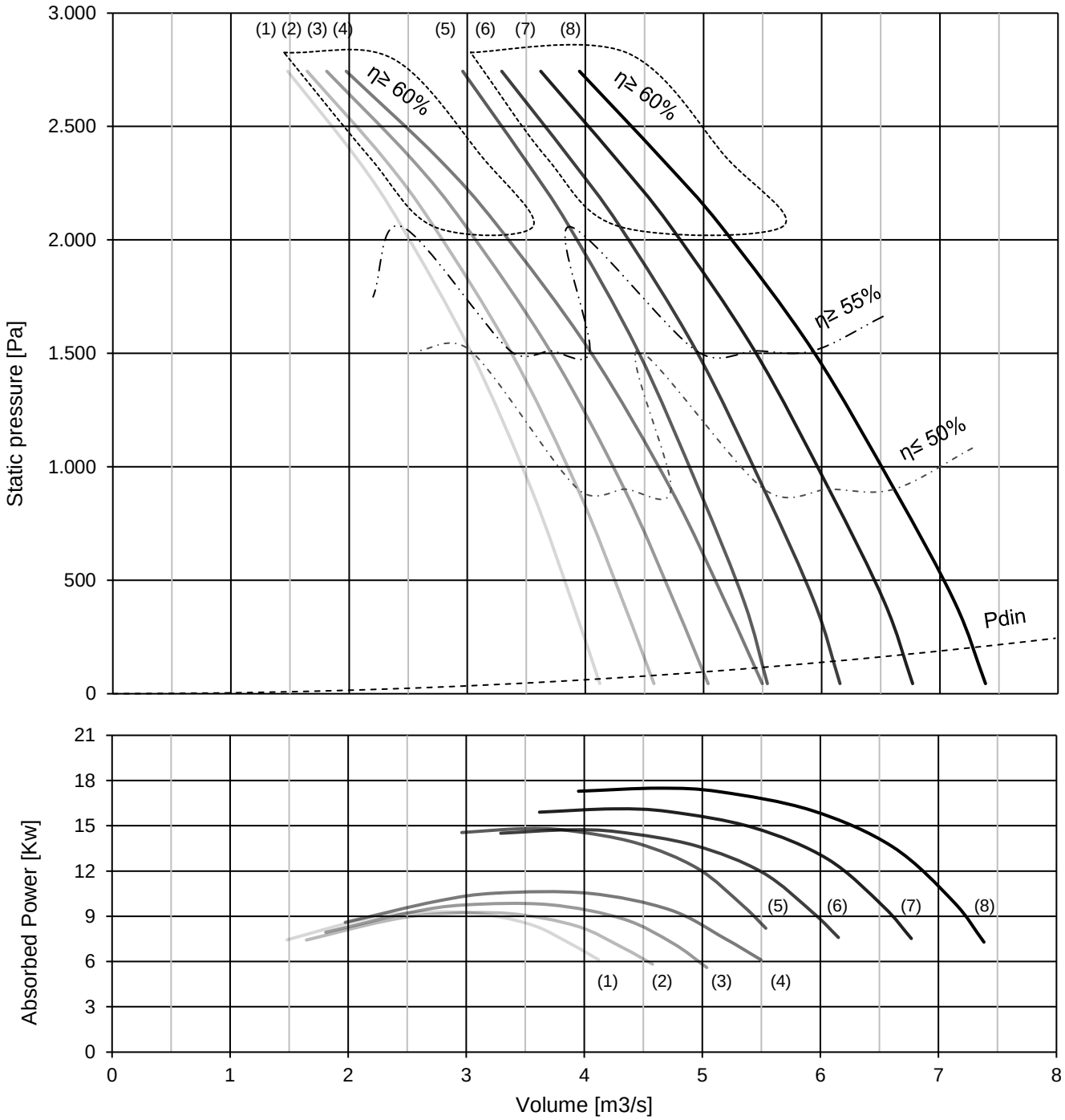
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 99 m/s
Outlet cross section = 0,31 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	1,1	2,4	13,9	90	75,2
(2)	CNX S6	1,1	2,4	13,9	90	79,4
(3)	CNX M6	1,1	2,4	13,9	90	79,7
(4)	CNX L6	1,1	2,4	13,9	90	80,8
(5)	CNX 07	1,5	3,15	21,4	90	79,8
(6)	CNX S7	1,5	3,15	21,4	90	81,8
(7)	CNX M7	1,5	3,15	21,4	90	82,7
(8)	CNX L7	1,5	3,15	21,4	90	83,4

Lw Tolerance : ± 2dB

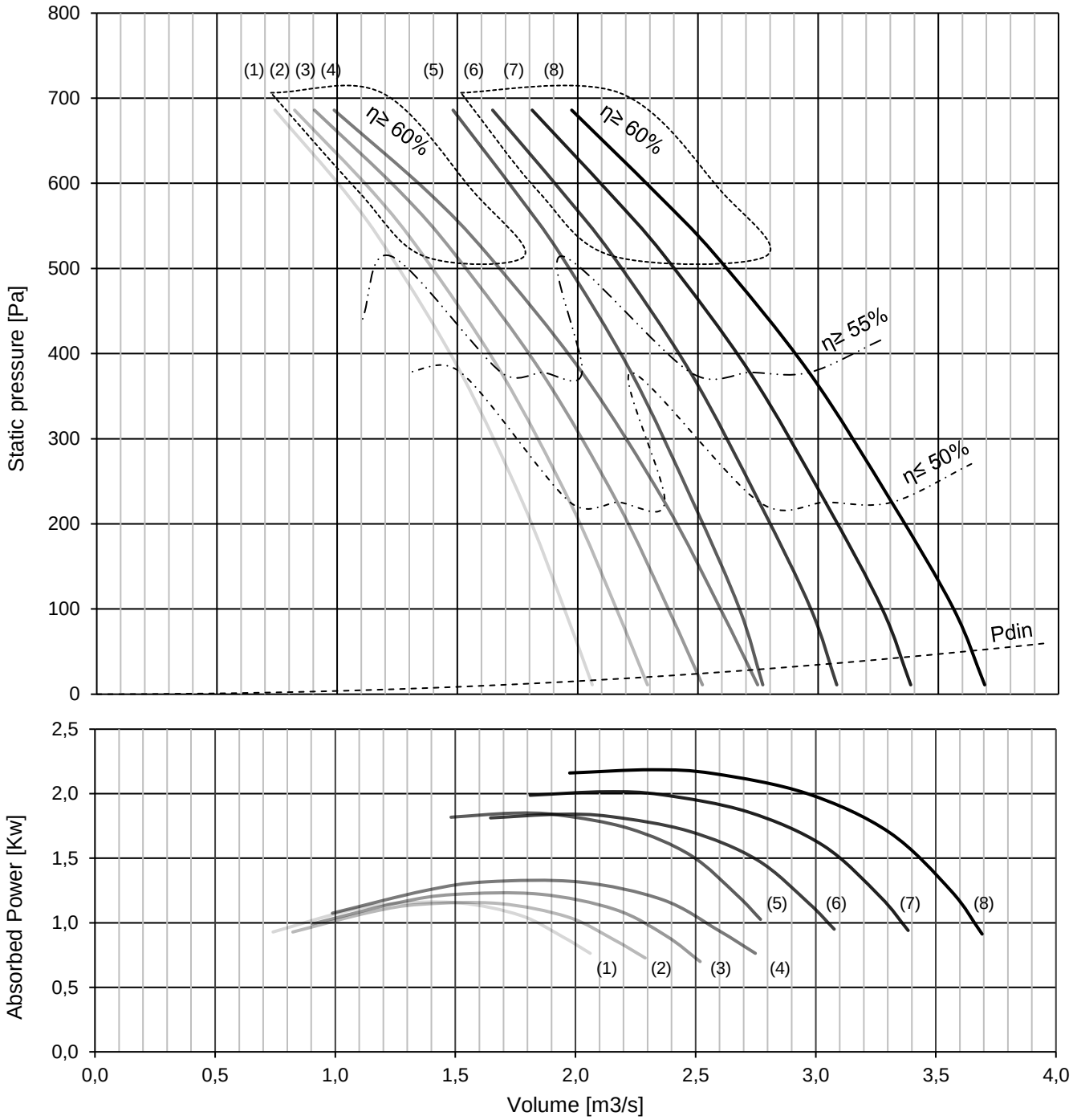
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 49 m/s
Outlet cross section = 0,31 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	11	20,1	157,4	160	90,6
(2)	CNX S6	11	20,1	157,4	160	94,8
(3)	CNX M6	11	20,1	157,4	160	95,1
(4)	CNX L6	11	20,1	157,4	160	96,2
(5)	CNX 07	18,5	32,7	251,8	160	95,2
(6)	CNX S7	18,5	32,7	251,8	160	97,2
(7)	CNX M7	18,5	32,7	251,8	160	98,1
(8)	CNX L7	18,5	32,7	251,8	160	98,8

Lw Tolerance : ± 2dB

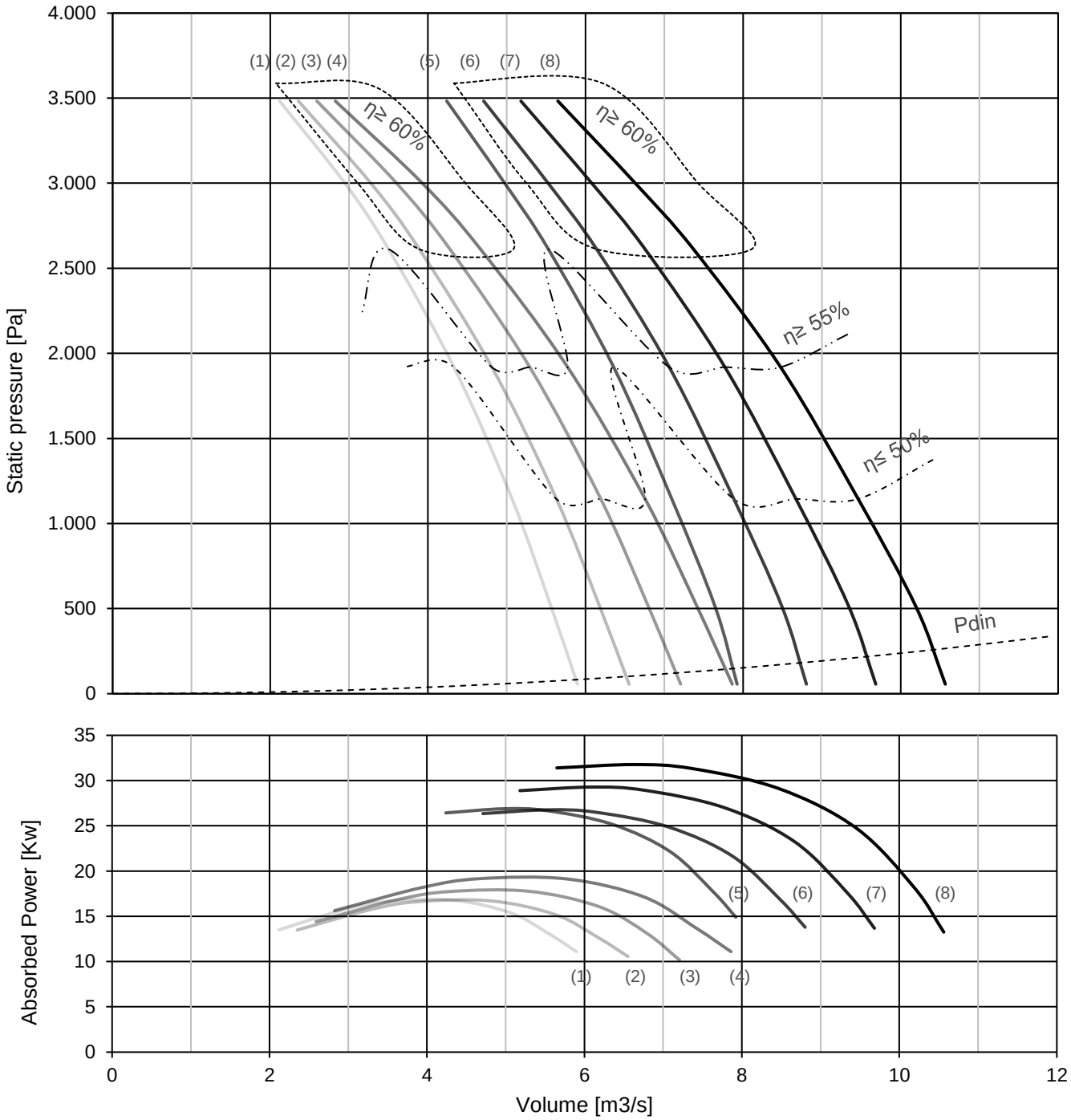
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 112 m/s
Outlet cross section = 0,40 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	1,5	3,15	21,4	90	76,8
(2)	CNX S6	1,5	3,15	21,4	90	81
(3)	CNX M6	1,5	3,15	21,4	90	81,3
(4)	CNX L6	2,2	4,55	30,3	100	82,4
(5)	CNX 07	2,2	4,55	30,3	100	81,4
(6)	CNX S7	2,2	4,55	30,3	100	83,3
(7)	CNX M7	2,2	4,55	30,3	100	84,,2
(8)	CNX L7	3	6	40,6	100	84,9

Lw Tolerance : ± 2dB

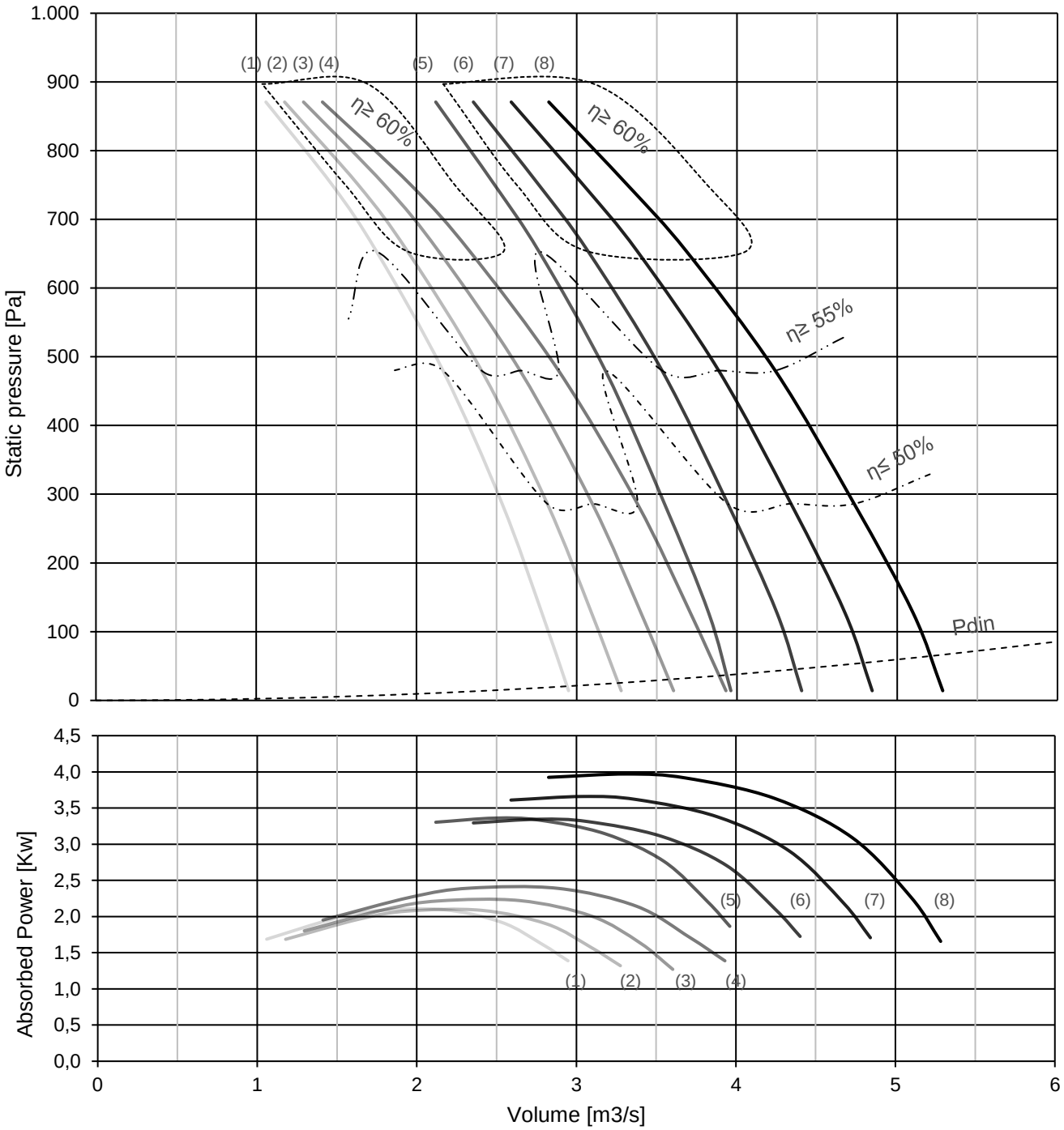
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 56 m/s
Outlet cross section = 0,40 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	18,5	32,7	251,8	160	92,2
(2)	CNX S6	18,5	32,7	251,8	160	96,4
(3)	CNX M6	22	39,3	312,4	180	96,7
(4)	CNX L6	22	39,3	312,4	180	97,8
(5)	CNX 07	30	53,9	388	200	96,8
(6)	CNX S7	30	53,9	388	200	98,7
(7)	CNX M7	37	65,2	450	200	99,6
(8)	CNX L7	37	65,2	450	200	100,3

Lw Tolerance : ± 2dB

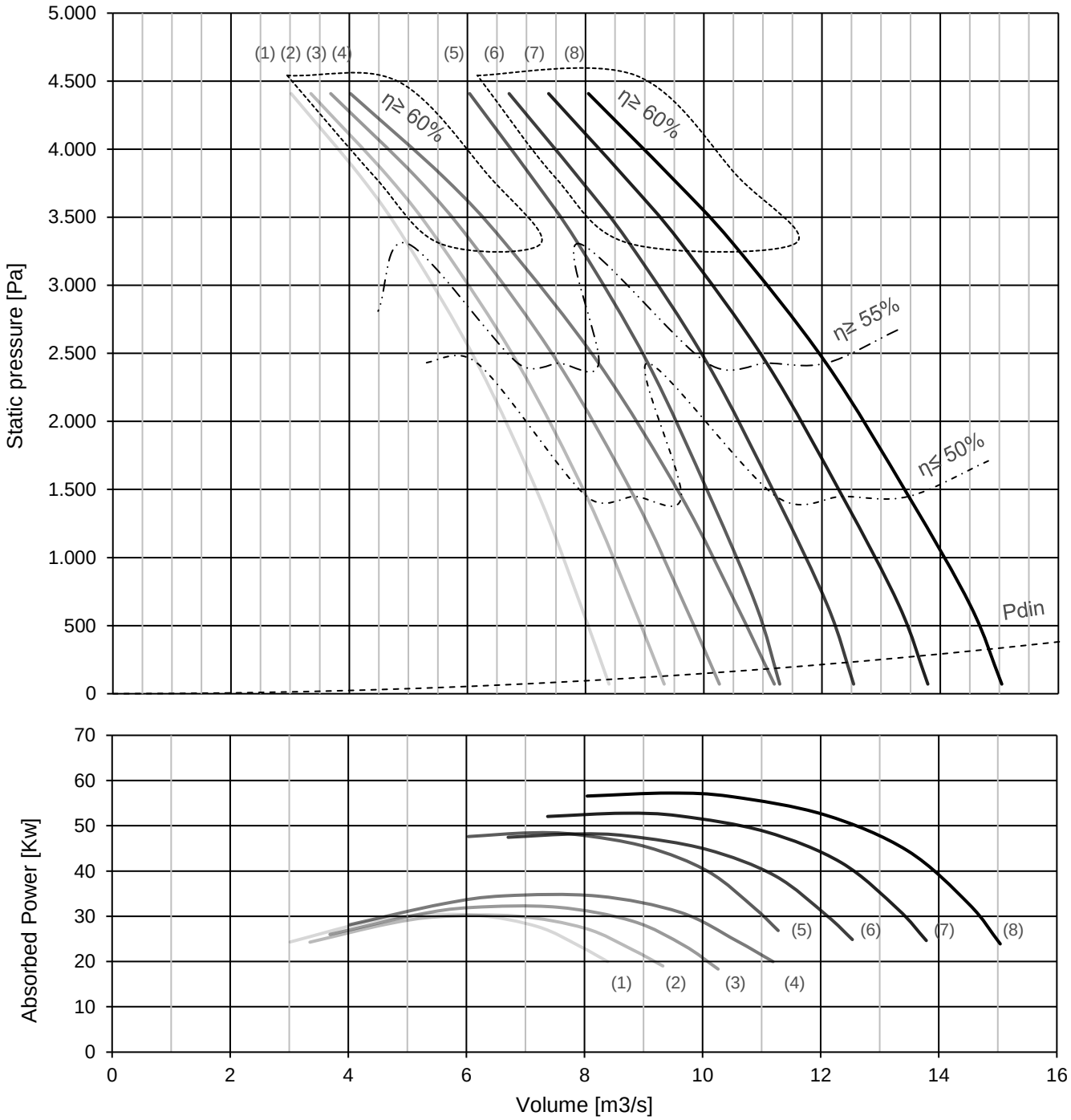
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 126 m/s
Outlet cross section = 0,50 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	3	6	40,6	100	78,4
(2)	CNX S6	3	6	40,6	100	82,5
(3)	CNX M6	3	6	40,6	100	82,9
(4)	CNX L6	3	6	40,6	100	83,9
(5)	CNX 07	4	7,9	49	112	82,9
(6)	CNX S7	4	7,9	49	112	84,9
(7)	CNX M7	4	7,9	49	112	85,8
(8)	CNX L7	5,5	10,7	79,2	132	86,5

Lw Tolerance : ± 2dB

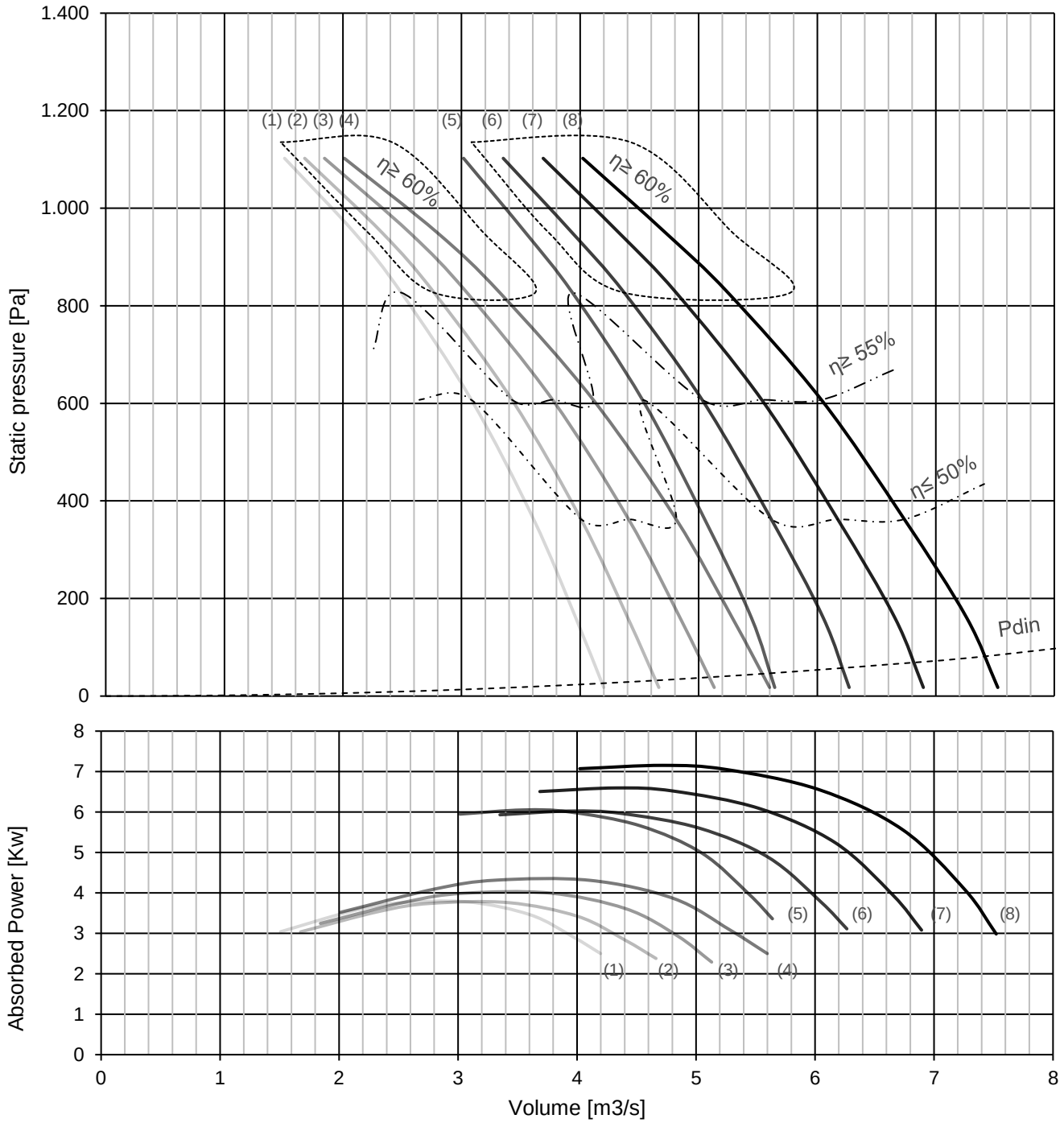
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 63 m/s
Outlet cross section = 0,50 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	37	65,2	450	200	93,7
(2)	CNX S6	37	65,2	450	200	97,9
(3)	CNX M6	37	65,2	450	200	98,2
(4)	CNX L6	37	65,2	450	200	99,3
(5)	CNX 07	55	95,8	737,7	250	98,3
(6)	CNX S7	55	95,8	737,7	250	100,3
(7)	CNX M7	55	95,8	737,7	250	101,1
(8)	CNX L7	75	127	876,3	280	101,9

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 141 m/s
Outlet cross section = 0,64 m^2

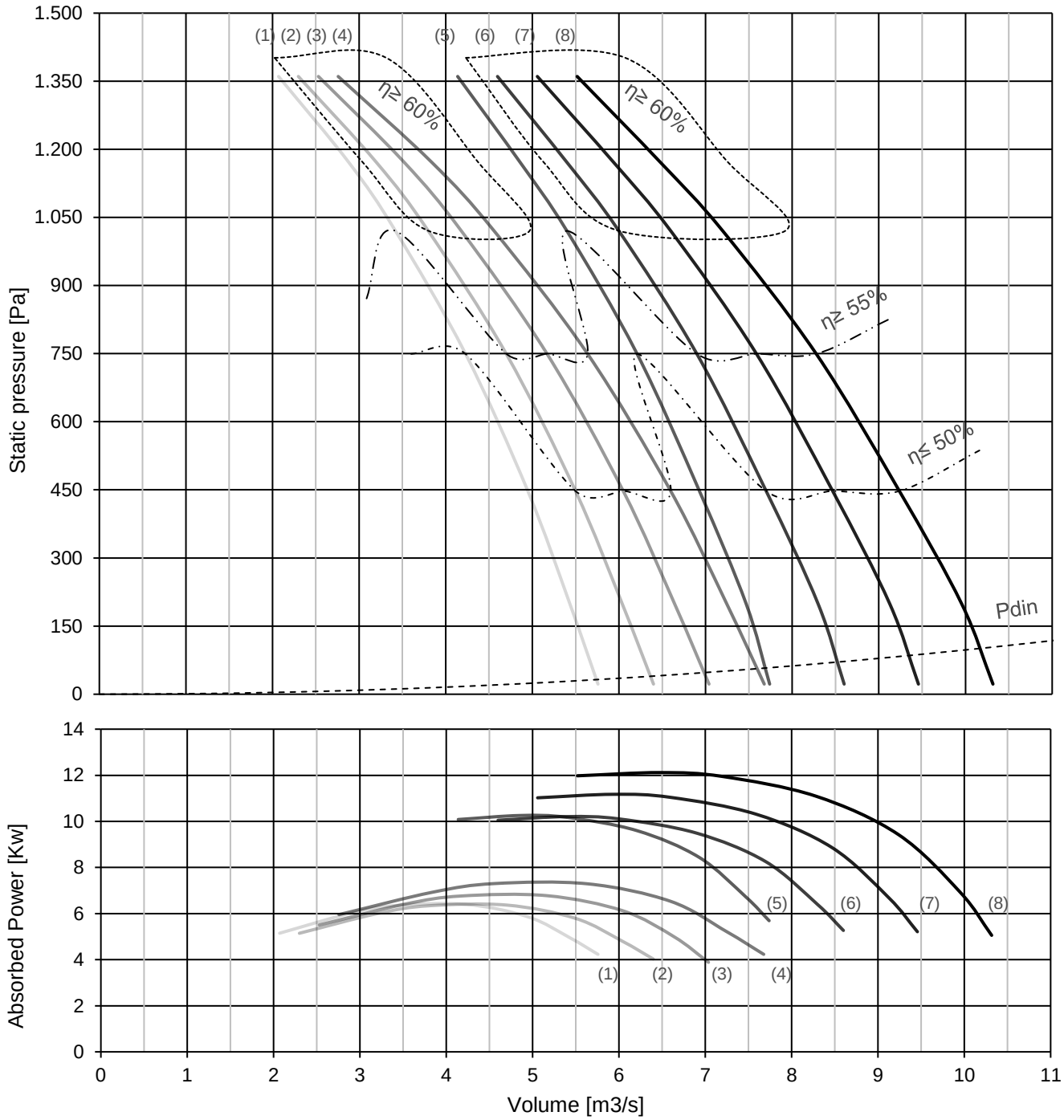
Lw Tolerance : ± 2dB



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	5,5	10,7	79,2	132	79,9
(2)	CNX S6	5,5	10,7	79,2	132	84
(3)	CNX M6	5,5	10,7	79,2	132	84,4
(4)	CNX L6	5,5	10,7	79,2	132	85,4
(5)	CNX 07	7,5	14,4	103	132	84,5
(6)	CNX S7	7,5	14,4	103	132	86,4
(7)	CNX M7	7,5	14,4	103	132	87,3
(8)	CNX L7	9	17,5	135,6	132	88

Lw Tolerance : ± 2dB

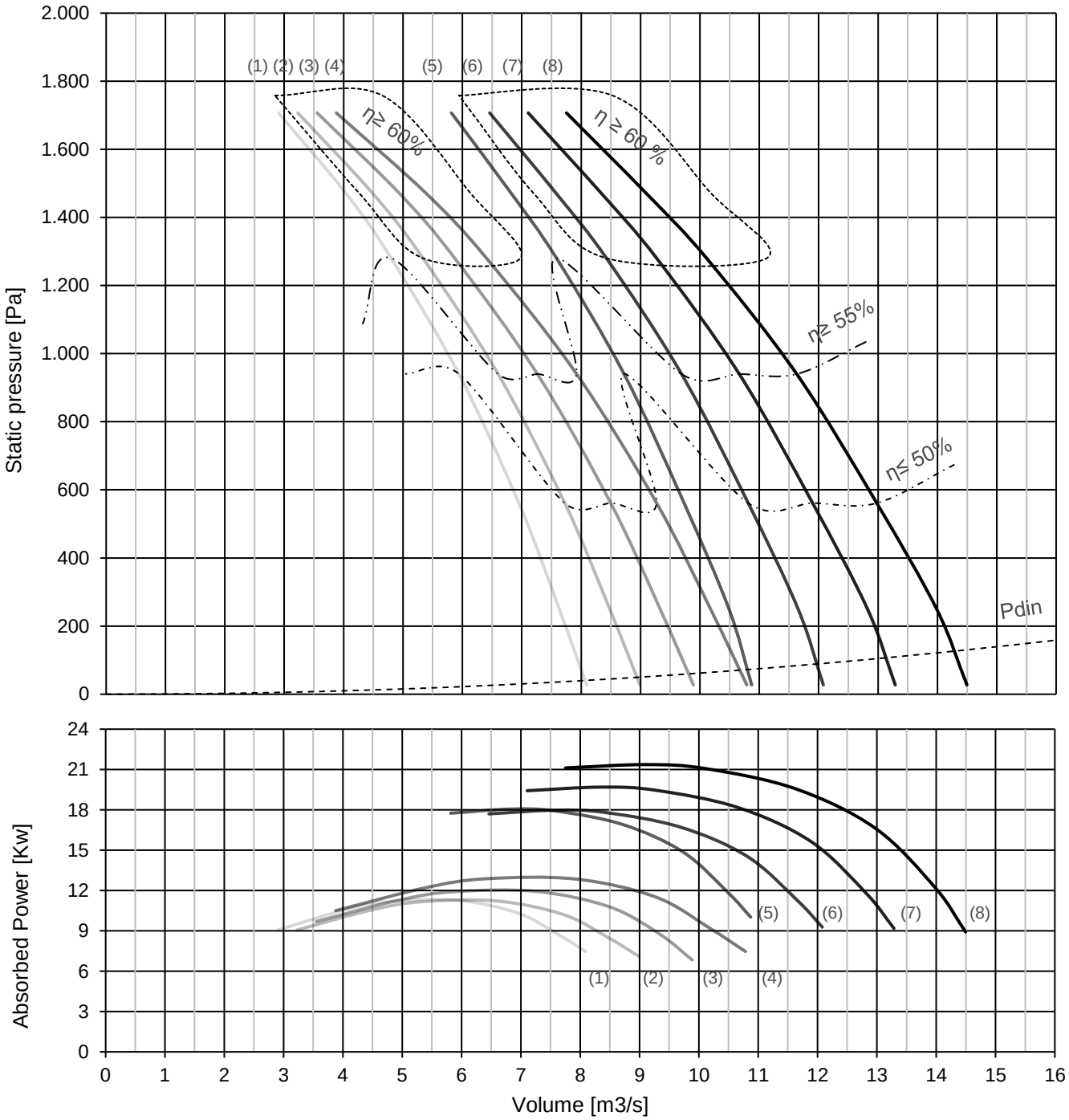
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 71 m/s
Outlet cross section = 0,64 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	7,5	14,4	103	132	81,3
(2)	CNX S6	7,5	14,4	103	132	85,4
(3)	CNX M6	9	17,5	135,6	132	85,8
(4)	CNX L6	9	17,5	135,6	132	86,8
(5)	CNX 07	11	20,5	161	160	85,8
(6)	CNX S7	11	20,8	161	160	87,8
(7)	CNX M7	15	28	217,8	160	88,7
(8)	CNX L7	15	28	217,8	160	89,4

Lw Tolerance : ± 2dB

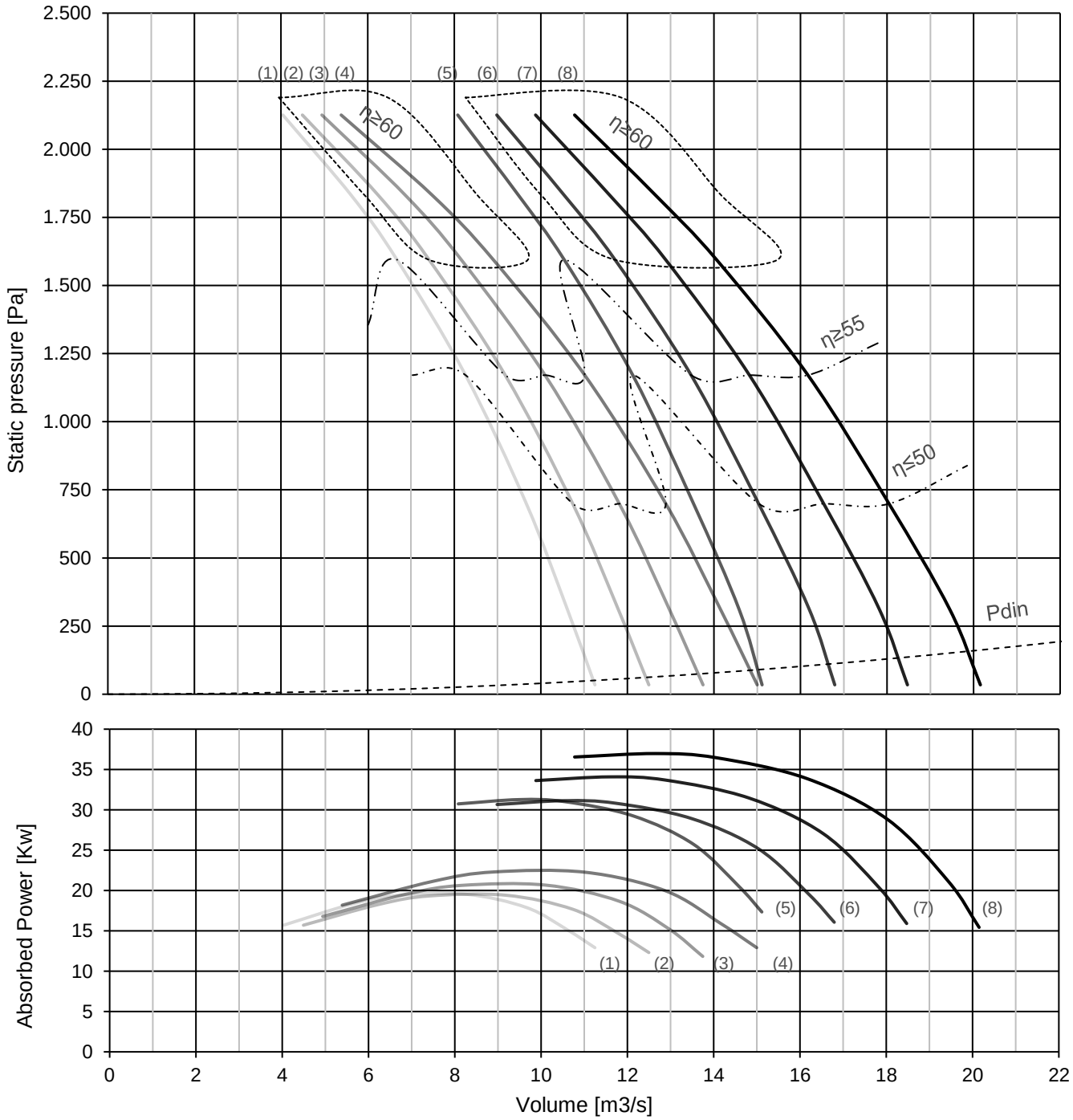
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 79 m/s
Outlet cross section = 0,79 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	15	28	217,8	160	82,7
(2)	CNX S6	15	28	217,8	160	86,9
(3)	CNX M6	15	28	217,8	160	87,2
(4)	CNX L6	15	28	217,8	160	88,3
(5)	CNX 07	18,5	34,7	277,6	180	87,3
(6)	CNX S7	18,5	34,7	277,6	180	89,3
(7)	CNX M7	22	41	311,6	180	90,1
(8)	CNX L7	22	41	311,6	180	90,9

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 88 m/s
Outlet cross section = 0,99 m^2

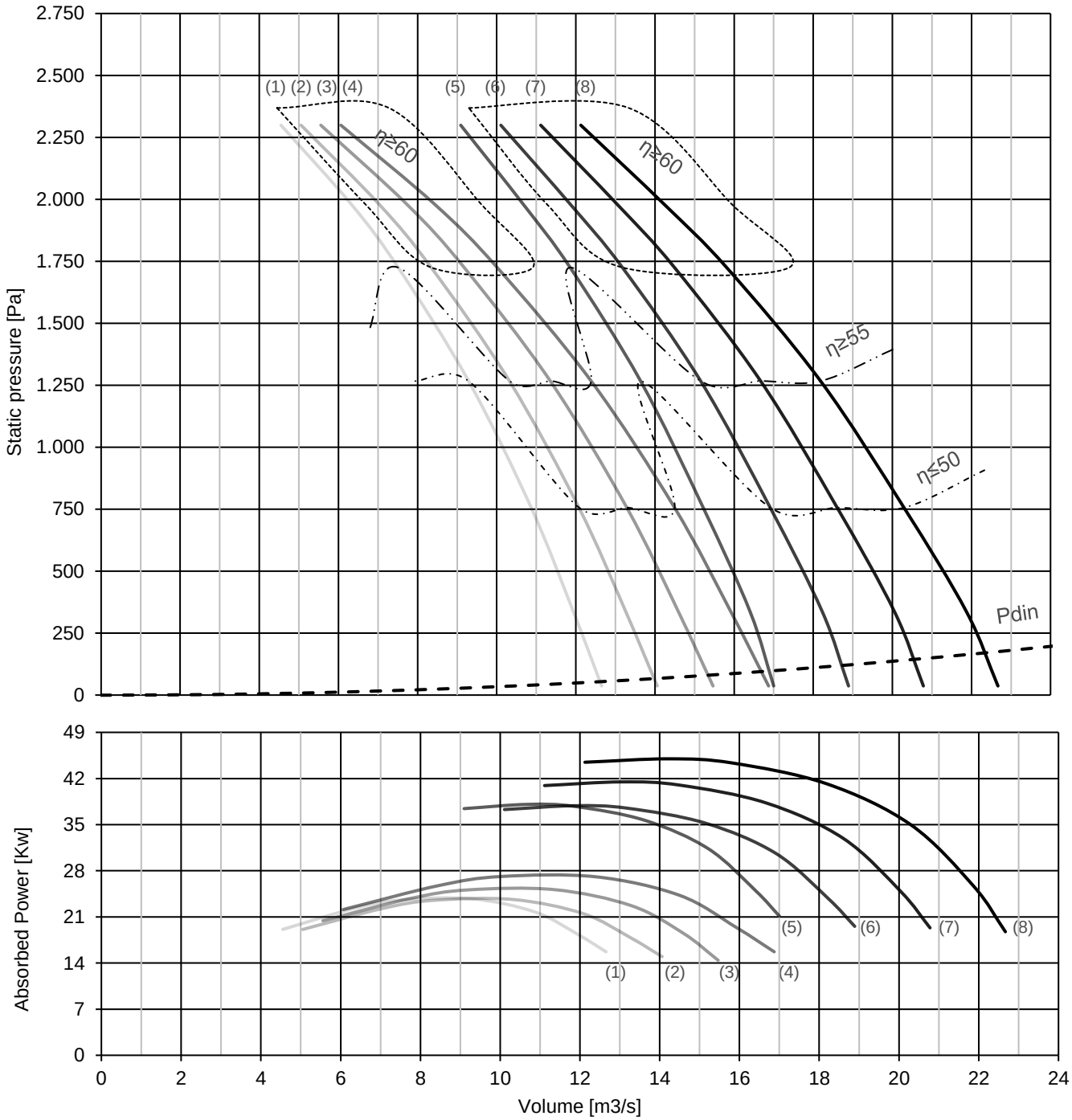
Lw Tolerance : ± 2dB



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	22	41	311,6	180	84,2
(2)	CNX S6	22	41	311,6	180	88,3
(3)	CNX M6	22	41	311,6	180	88,7
(4)	CNX L6	30	56,7	355	200	89,7
(5)	CNX 07	37	69,5	455,2	225	88,7
(6)	CNX S7	37	69,5	455,2	225	90,7
(7)	CNX M7	37	69,5	455,2	225	91,6
(8)	CNX L7	45	84,7	562,4	225	92,3

Lw Tolerance : ± 2dB

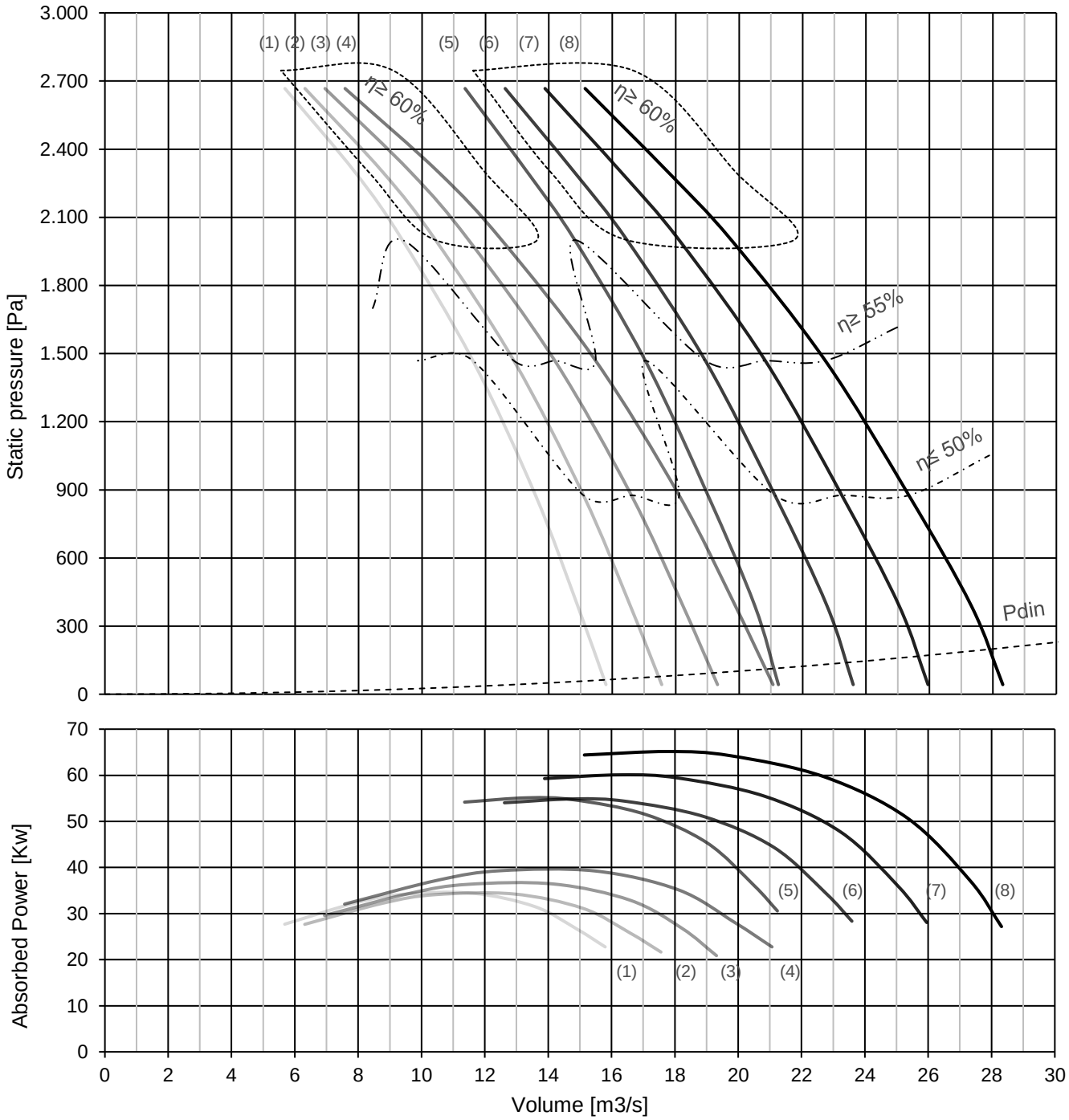
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 98 m/s
Outlet cross section = 1,23 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	30	56,7	355	200	84,7
(2)	CNX S6	30	56,7	355	200	88,8
(3)	CNX M6	30	56,7	355	200	89,2
(4)	CNX L6	30	56,7	355	200	90,2
(5)	CNX 07	45	84,7	562,4	225	89,2
(6)	CNX S7	45	84,7	562,4	225	91,2
(7)	CNX M7	45	84,7	562,4	225	92,1
(8)	CNX L7	55	102	698,7	250	92,8

Lw Tolerance : ± 2dB

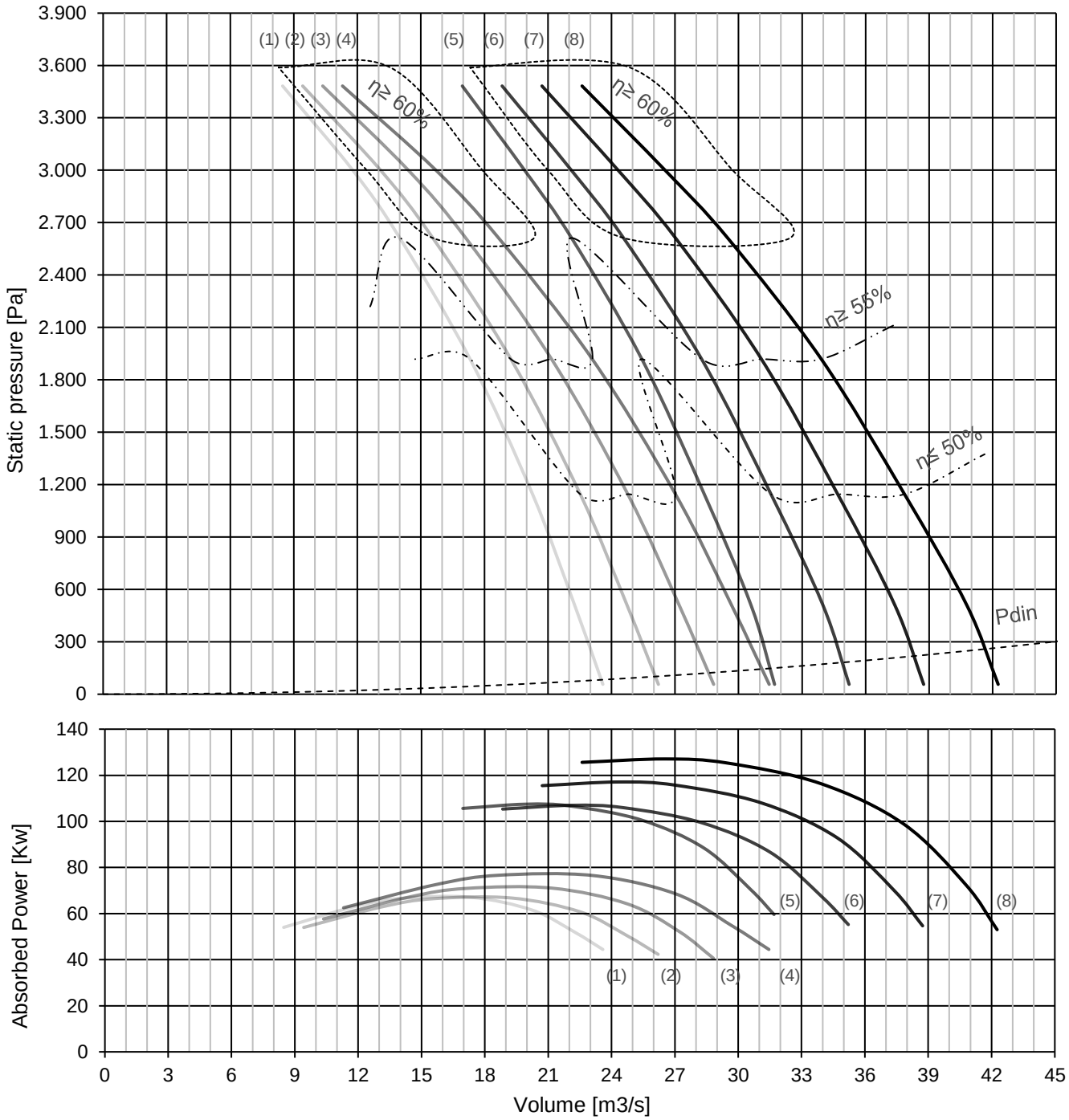
Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 102 m/s
Outlet cross section = 1,33 m^2



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	37	69,5	455,2	225	85,6
(2)	CNX S6	37	69,5	455,2	225	89,8
(3)	CNX M6	45	84,7	562,4	225	90,1
(4)	CNX L6	45	84,7	562,4	225	91,2
(5)	CNX 07	75	137	1041,2	280	90,2
(6)	CNX S7	75	137	1041,2	280	92,2
(7)	CNX M7	75	137	1041,2	280	93,1
(8)	CNX L7	75	137	1041,2	280	93,8

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 110 m/s
Outlet cross section = 1,54 m^2

Lw Tolerance : ± 2dB



ID NUMBER	Fan type	Motor Power [kW]	Rated Current [A]	Starting Current [A]	Motor Size	Fan Noise level [L_w dBA]
(1)	CNX 06	75	137	1041,2	280	87,4
(2)	CNX S6	75	137	1041,2	280	91,5
(3)	CNX M6	75	137	1041,2	280	91,9
(4)	CNX L6	90	164	1312	280	92,9
(5)	CNX 07	110	200	1380	315	92
(6)	CNX S7	110	200	1380	315	93,9
(7)	CNX M7	132	237	1583,2	315	94,8
(8)	CNX L7	132	237	1583,2	315	95,5

Test according to : ISO 5801 cat.B
Tolerance: ISO 13348 CAT AN4
Air density, ρ = 1,2 kg/m^3
Temperature, T= 20°C
Tip. Speed, Vp = 126 m/s
Outlet cross section = 2,01 m^2

Lw Tolerance : ± 2dB

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