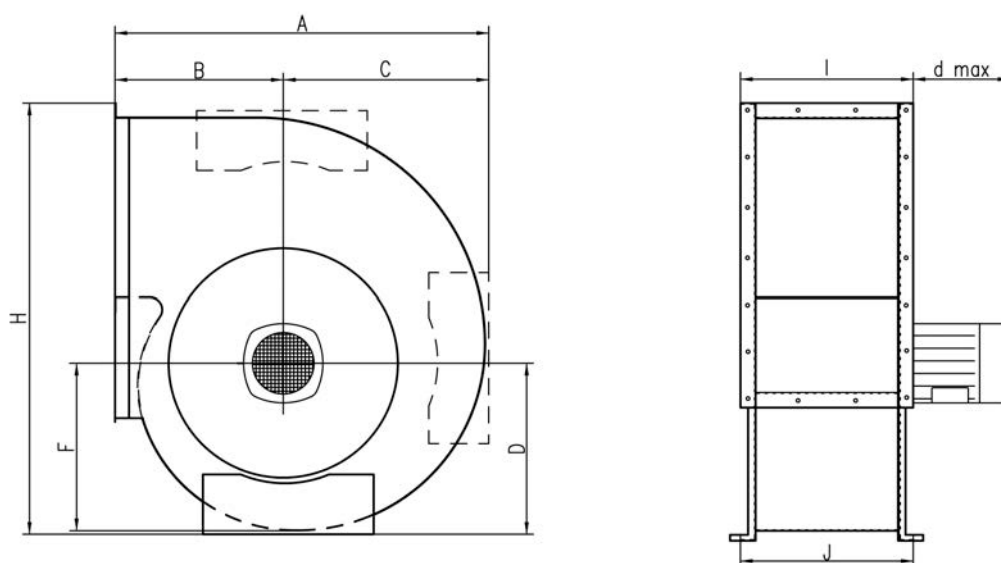


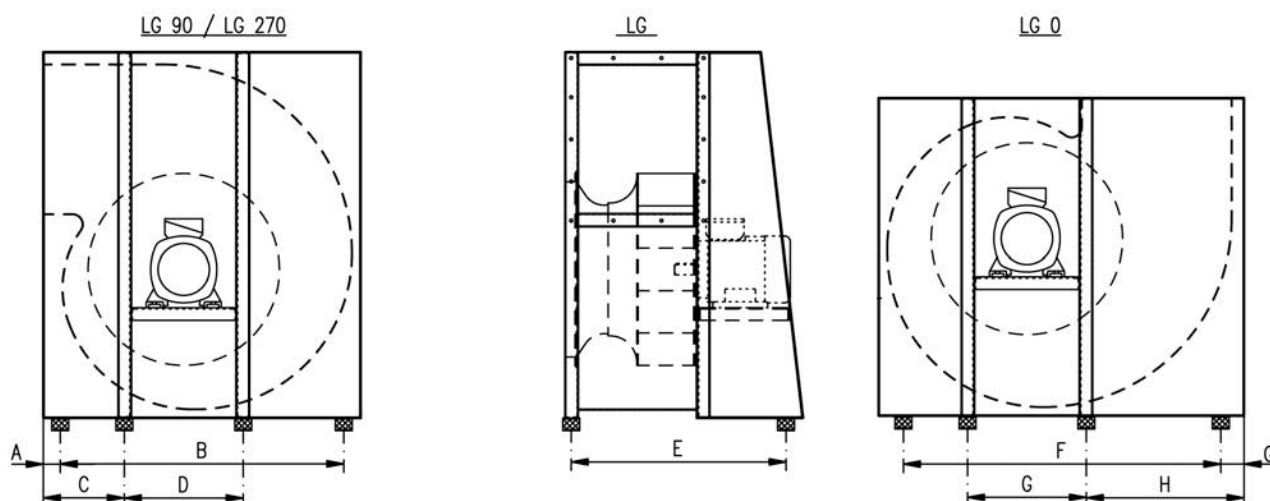
DESCRIPTION

TN/HN direct driven fans are designed for light industrial applications. They are used to convey clean or lightly polluted air and non-aggressive gases. The fan casings are not gas tight. The permissible temperature range of the conveyed medium is -30°C to +60°C. The housing of the fans is made of galvanized sheet steel. Painted or powder coated casings are available. The TN type unit has forward-curved impellers which are made of galvanized steel, designed for high circumferential speed. The inlet cones are manufactured from galvanised steel or glass fibre reinforced polyamide. The HN type unit has backward-curved impellers are made of seawater proof aluminium. Their low mass moment of inertia allows reducing motor sizes. The inlet cones are made of galvanised steel. All fan impellers are statically and dynamically balanced in two plains to quality level G 2.5 (DIN ISO 1940). All fans are also equipped with standard IEC-motors of flange or foot type. Protection class is IP55 and isolation class F. The permissible ambient temperature range is -20°C to 40°C. Up to motor size 100, voltage controllable motors are available. All units can be executed as fitted type fans with a B5 flange motor (TNF/HNF). The side plates and the scroll plate are joined together by a standing seam. The mounting feet are screwed to the fan casing. The discharge orientation can therefore easily changed in step of 90°. The TNQ/HNQ type fans feature a square side plate that allows the installation of a B3 foot motor. The side plates and scroll are riveted. All presented data accords to 50Hz supply.

DIMENSIONS

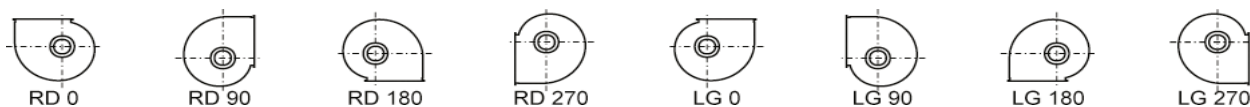


Type	Size	Dimensions [mm]								
		A	B	C	D	F	H	I	J	d max
TNF-2	160	306	154	158	159	128	359	156	129	240
HNF-2	180	337	467	172	172	143	394	168	141	269
TNF-4 HNF-4	160	306	154	158	159	128	359	156	129	210
	180	337	467	172	172	143	394	168	141	210
	200	367	179	196	189	157	433	181	154	210
	225	405	195	212	205	176	476	196	169	269
	250	442	211	235	218	194	515	216	187	326
TNF-6	250	442	211	235	218	194	515	216	187	210
HNF-6	280	487	229	262	243	216	573	236	212	269



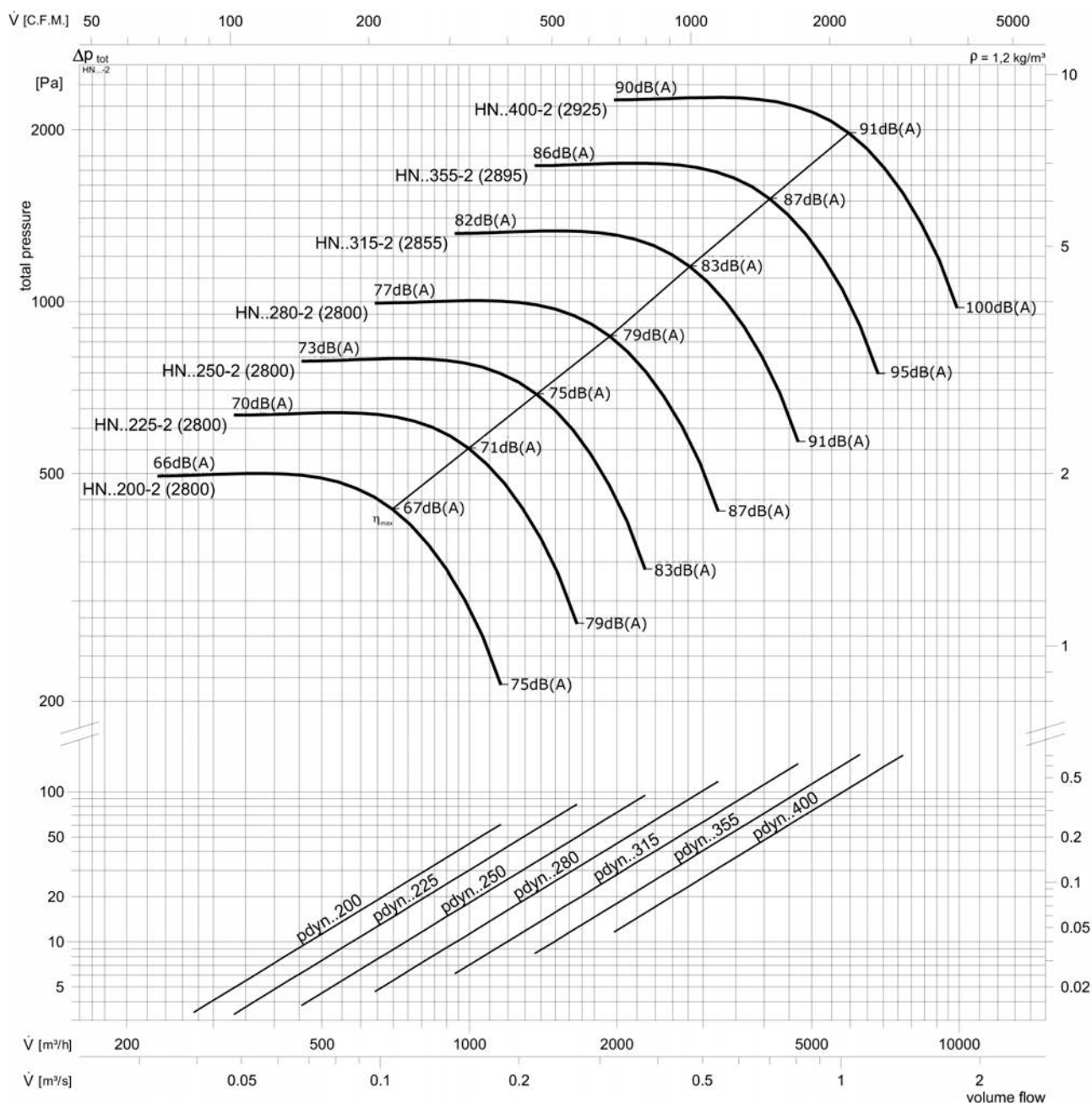
Type	Size	Dimensions [mm]							
		A	B	C	D	E	F	G	H
TNQ-2 HNQ-2	200	75	233	85	180	263	233	75	66
	225	100	220	82	205	280	220	138	170
	250	116	220	97	205	300	220	163	199
TNQ-4 HNQ-4	200	75	233	85	180	263	233	75	166
	225	100	220	82	205	280	220	138	170
	250	116	220	97	205	300	220	163	199
	280	50	400	105	280	321	440	84	219
	315	52	440	110	230	365	440	120	256
	355	80	440	137	255	392	440	159	288
	400	125	417	151	305	416	417	125	299
	450	111	503	146	305	503	606	111	333
TNQ-6 HNQ-6	250	116	220	97	205	300	220	163	199
	280	50	400	105	280	321	440	84	219
	315	52	440	110	230	365	440	120	256
	355	80	440	137	255	392	440	159	288
	400	125	417	151	305	416	417	125	299
	450	111	503	146	305	503	606	111	333
	500	152	496	177	305	537	614	152	387
	560	169	554	216	305	591	692	169	443

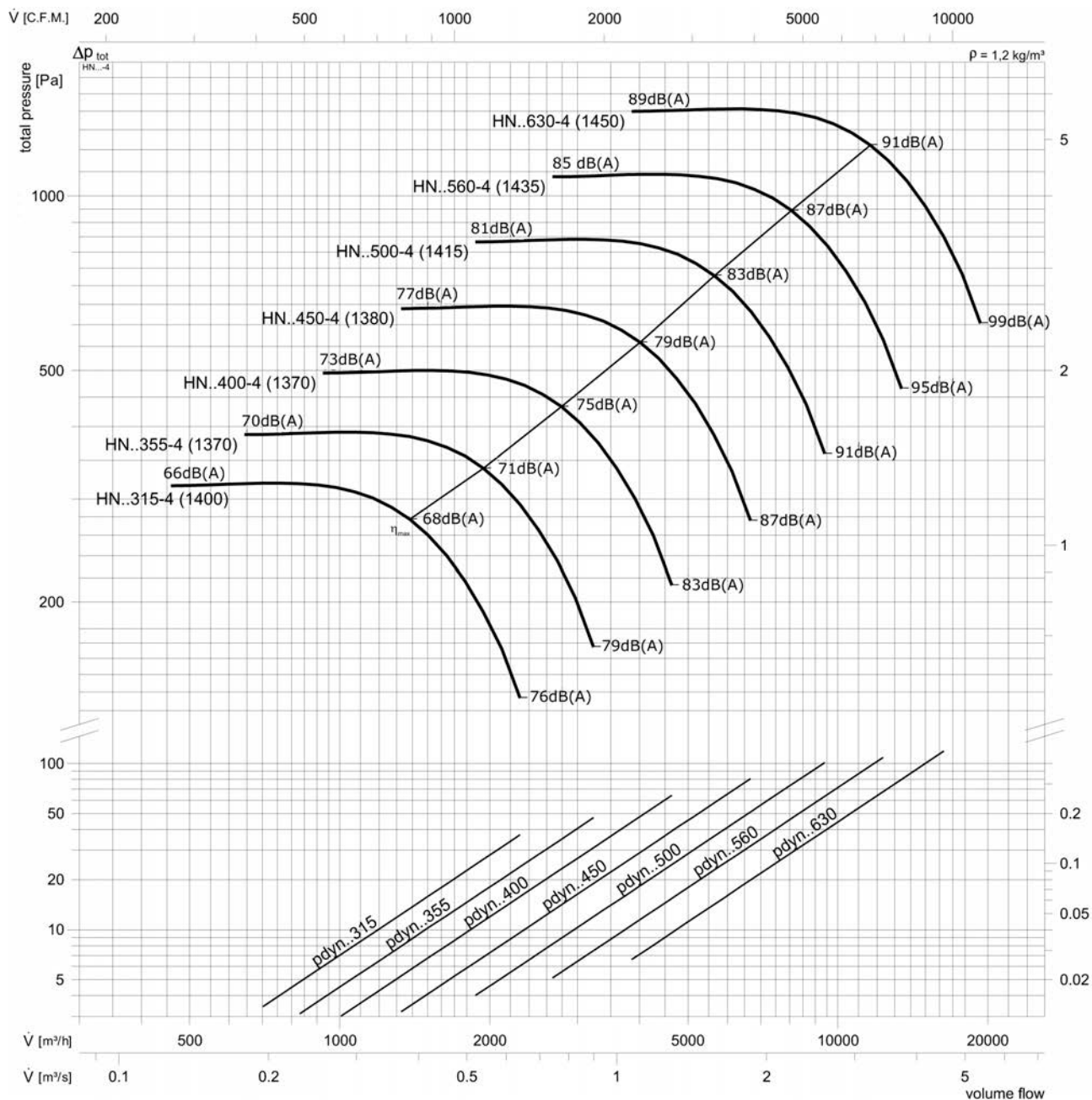
Discharge orientation viewed from drive side




TECHNICAL SPECIFICATION
Relative octave sound power level, A – weighted

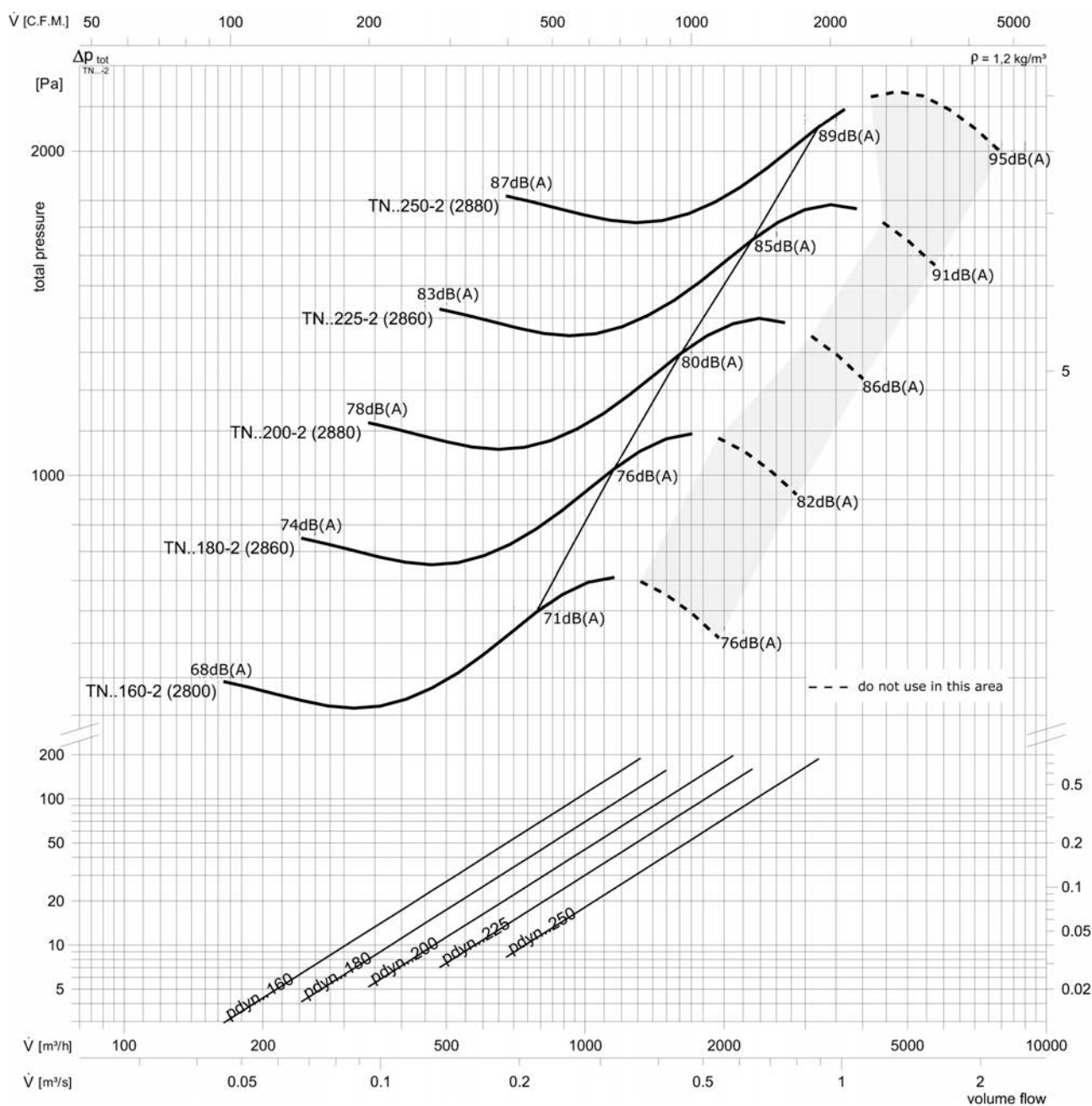
HN...ΔdB(A)		L _w A	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
2-pol	outlet	0	-23	-15	-7	-2	-3	-7	-10
	inlet	-3	-19	-14	-10	-9	-7	-8	-14
4-pol	outlet	0	-22	-13	-5	-4	-7	-8	-15
	inlet	-3	-21	-16	-12	-8	-8	-12	-18

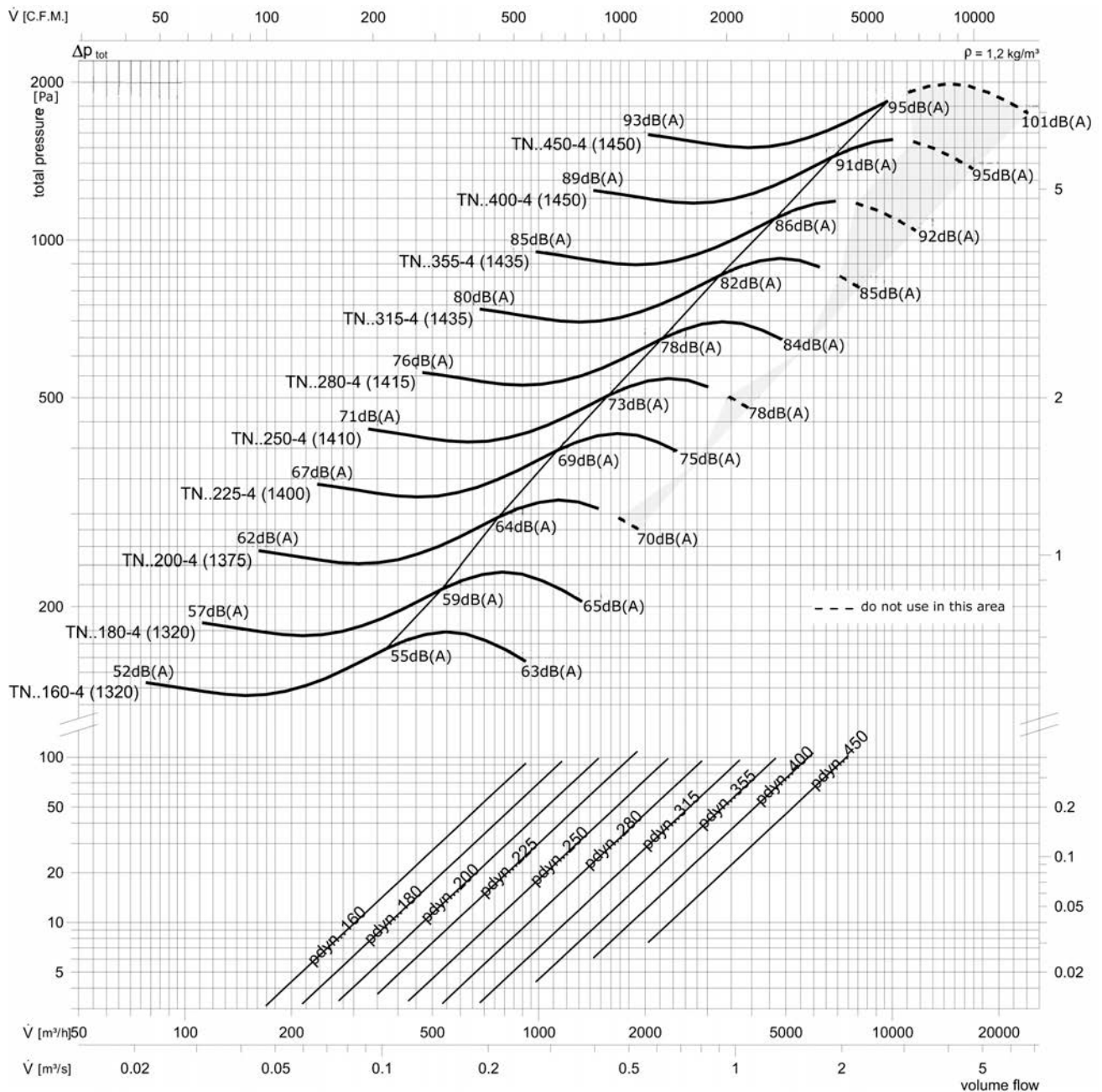
HN...-2; 50Hz


**HN...-4; 50Hz**

Relative octave sound power level, A – weighted

TN...ΔdB(A)		L _w A	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
2-pol	outlet	0	-23	-11	-2	-5	-6	-12	-22
	inlet	-3	-18	-12	-7	-5	-9	-11	-20
4-pol	outlet	0	-18	-8	-8	-7	-12	-20	-26
	inlet	-3	-19	-13	-8	-10	-11	-18	-25
6-pol	outlet	0	-16	-10	-10	-9	-17	-23	-30
	inlet	-3	-19	-13	-10	-12	-14	-23	-31

TN...-2; 50Hz


**TN...-4; 50Hz**

**TN...-6; 50Hz**