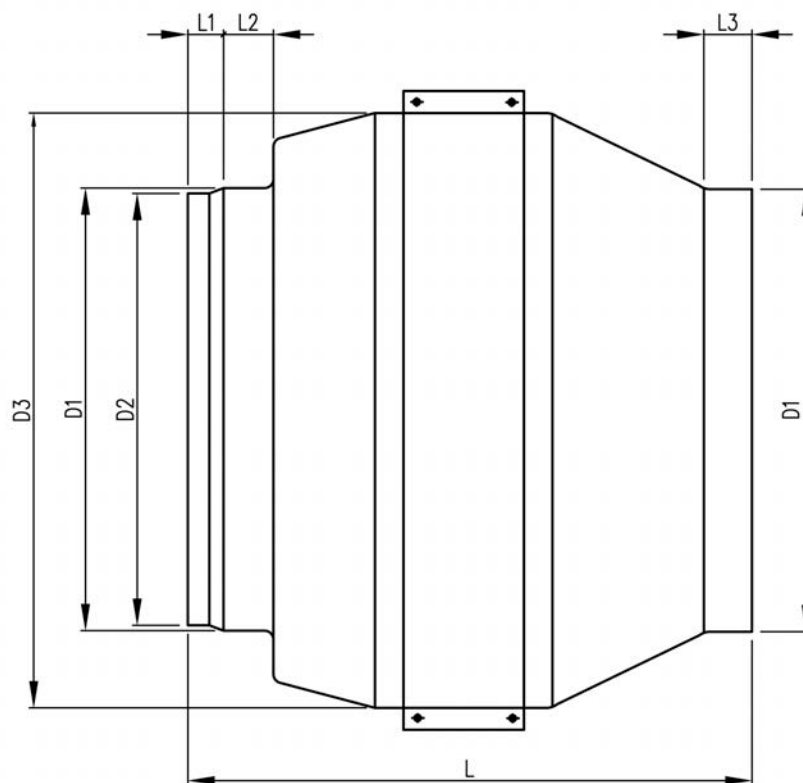


DESCRIPTION

The ERM/DRM tube fans unite the advantages of the axial fans – straight airflow and easy installation – with the high pressure stability, low noise level and high efficiency of centrifugal fans. Casings of sizes ERM/DRM 315-500 are made of powder coated sheet metal. The ERM units work in single phase (AC 220V) and the DRM – three phases. Its impeller is constructed as mixed flow. The impellers are fitted directly onto the external rotor motor. The motorized impeller unit is balanced in two planes to quality level G2.5. The tube fans are driven by a rotor motor of protection class IP44, fitted within the radial impeller.

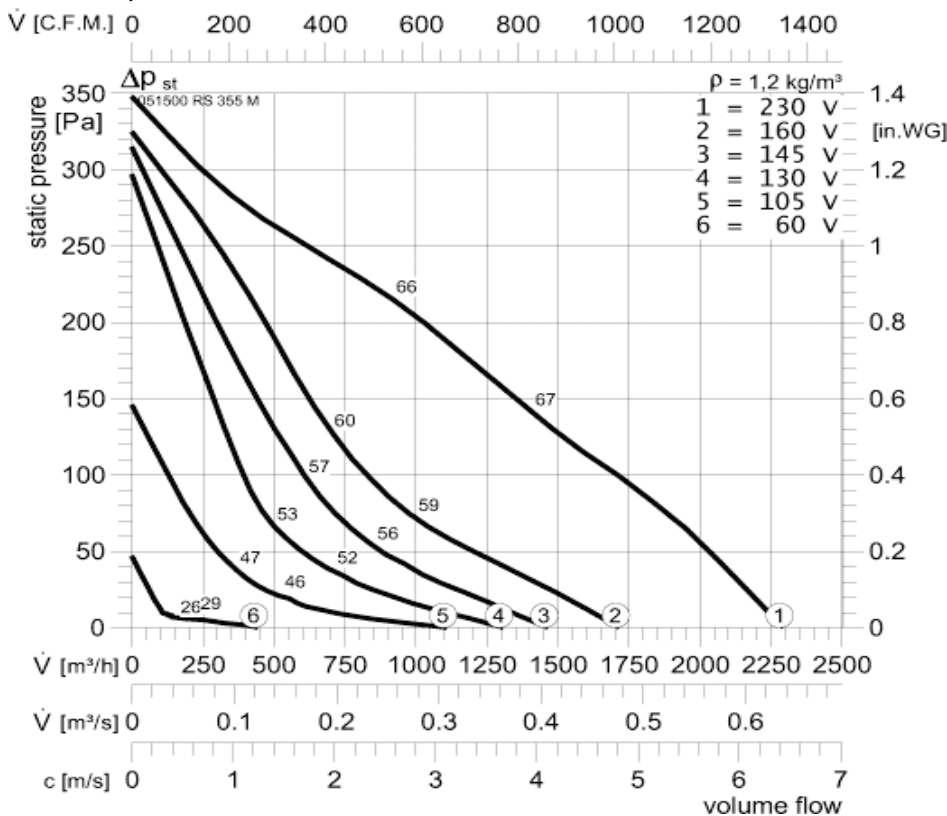
DIMENSIONS



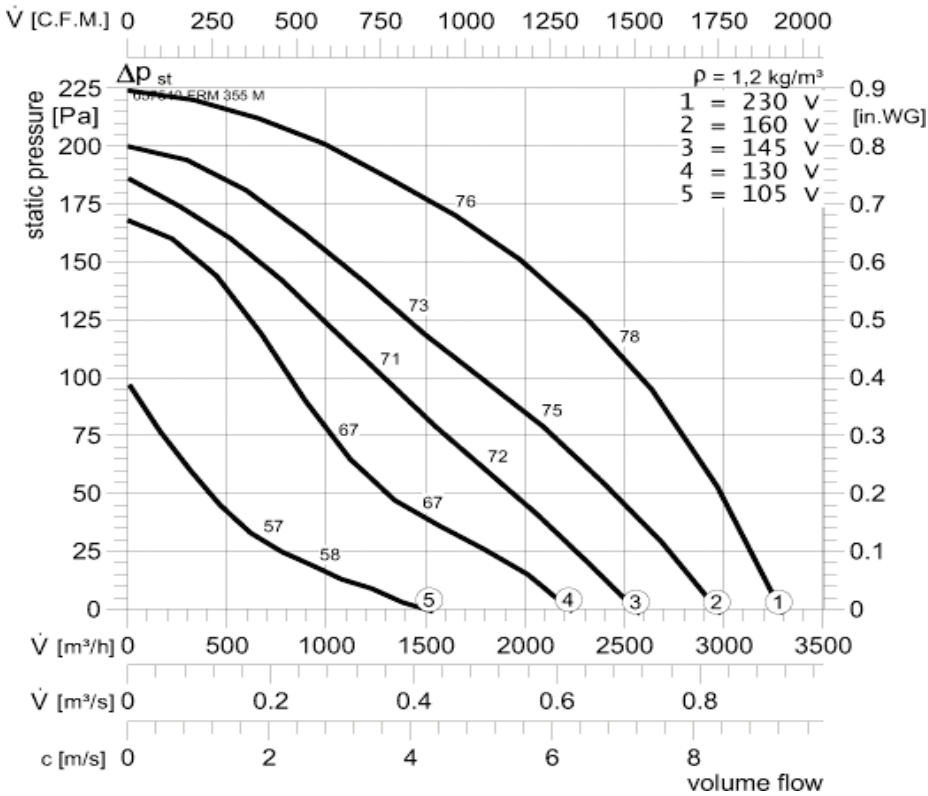
Type	Dimensions [mm]						
	L	L1	L2	L3	D1	D2	D3
ERM 315L	484	25	20	49	315	302	455
ERM 355M	435	25	20	35	355	302	455
ERM/DRM 355L	516	38	-	40	-	355	503
ERM/DRM 400M	480	38	38	40	400	355	503
ERM/DRM 400L	602	38	-	44	-	400	560
ERM/DRM 450M	559	38	33	44	450	400	560
ERM/DRM 450L	742	50	-	46	-	450	717
ERM/DRM 500M	699	50	50	46	500	450	717

TECHNICAL SPECIFICATION

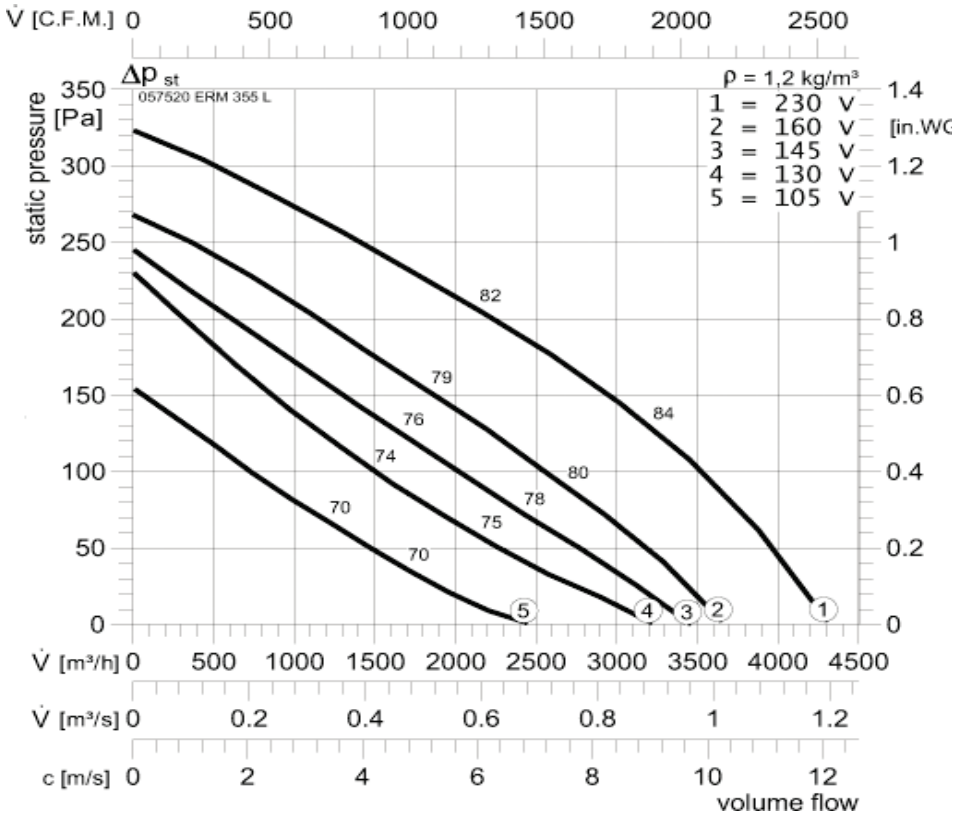
Type	Supply [V/Hz]	Power [kW]	Current [A]	Revolutions [1/min]
ERM 315L	230/50	0.31	1.35	1390
ERM 355M	230/50	0.31	1.35	1390
ERM 355L	230/50	0.52	2.20	1280
DRM 355L	400/50	0.57	1.05	1370
ERM 400M	230/50	0.52	2.20	1280
DRM 400M	400/50	0.57	1.05	1390
ERM 400L	230/50	0.96	4.30	1330
DRM 400L	400/50	0.89	1.65	1330
ERM 450M	230/50	0.922	4.67	1305
DRM 450M	400/50	0.864	1.62	1320
ERM 450L	230/50	1.398	6.16	1290
DRM 450L	400/50	1.263	2.21	1325
ERM 500M	230/50	1.385	6.10	1290
DRM 500M	400/50	1.267	2.23	1330

ERM 315L; 50Hz


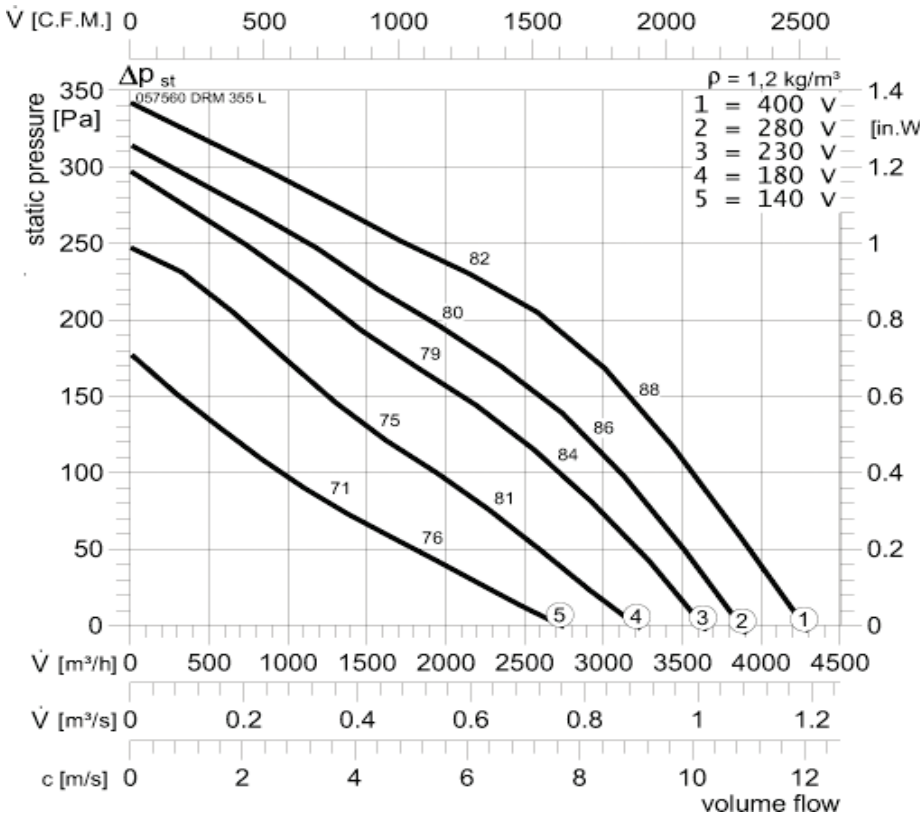
LWArel ΔdB	LWA	LWA	LWA
LWA _{tot}	-16	0	0
125Hz z	-34	-10	-5
250Hz z	-24	-6	-8
500Hz z	-23	-5	-7
1kHz	-21	-7	-6
2kHz	-23	-14	-9
4kHz	-37	-19	-19
8kHz	-48	-29	-28

ERM 355M; 50Hz


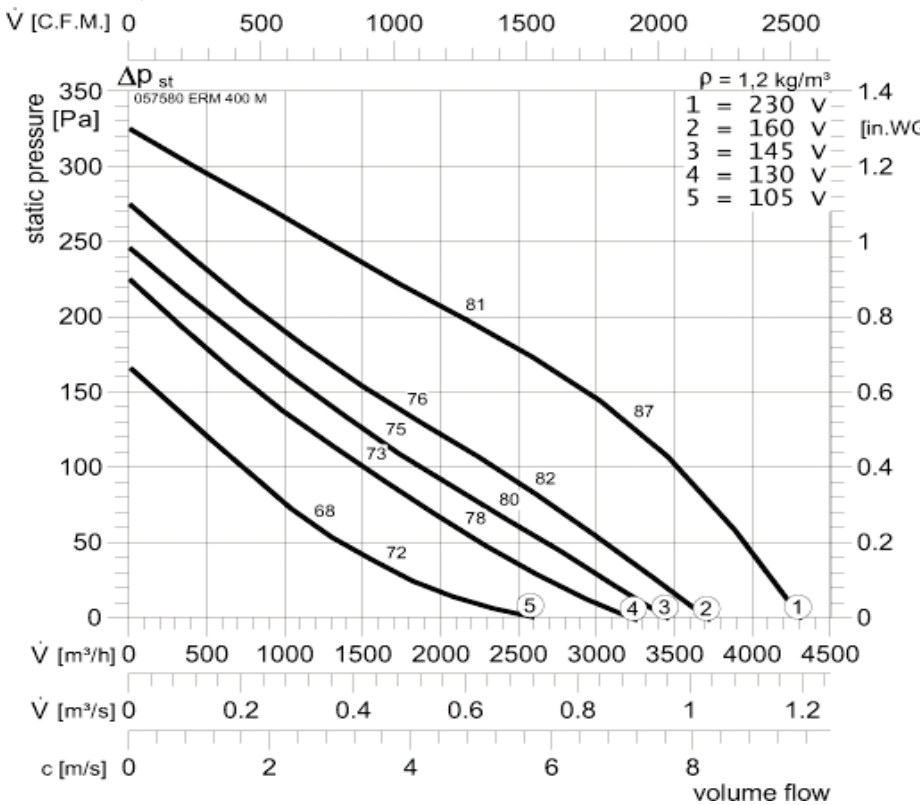
LW _{Arel} ΔdB	LWA 2	LWA 5	LWA 6
LW _A tot	-18	-2	0
125H z	-38	-8	-5
250H z	-28	-7	-8
500H z	-24	-8	-6
1kHz	-22	-10	-6
2kHz	-26	-14	-10
4kHz	-37	-19	-19
8kHz	-48	-29	-28

ERM 355L; 50Hz


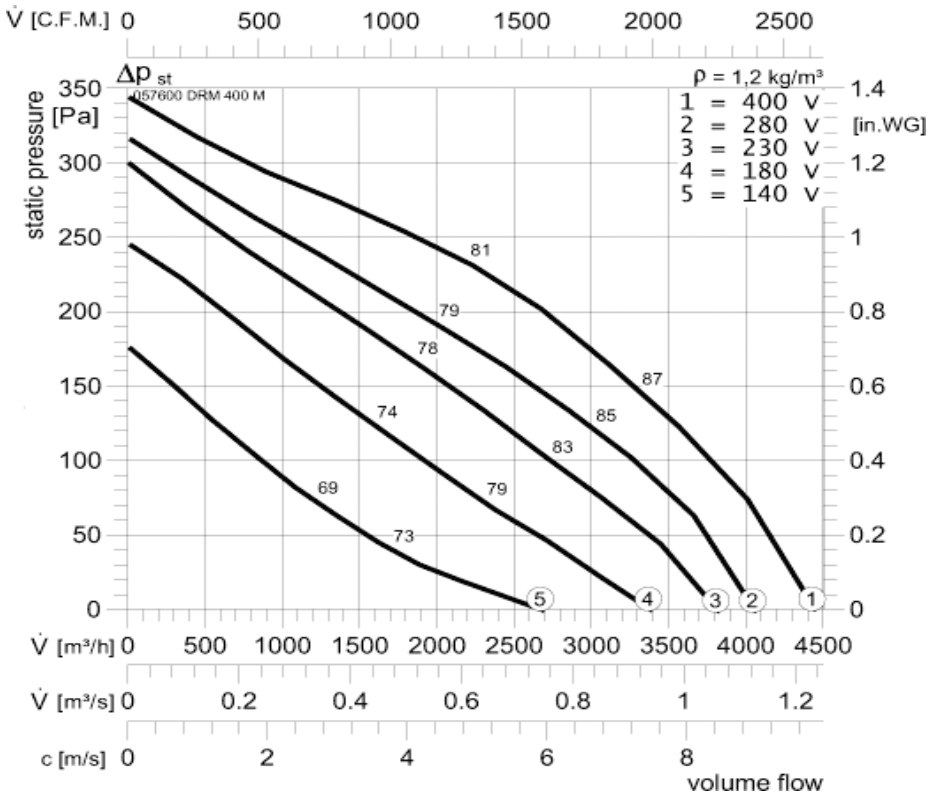
LW _{Arel} ΔdB	LWA 2	LWA 5	LWA 6
LW _A tot	-19	-2	0
125H z	-35	-13	-5
250H z	-28	-8	-9
500H z	-23	-6	-6
1kHz	-24	-12	-7
2kHz	-26	-14	-11
4kHz	-34	-20	-18
8kHz	-44	-28	-24

DRM 355L; 50Hz


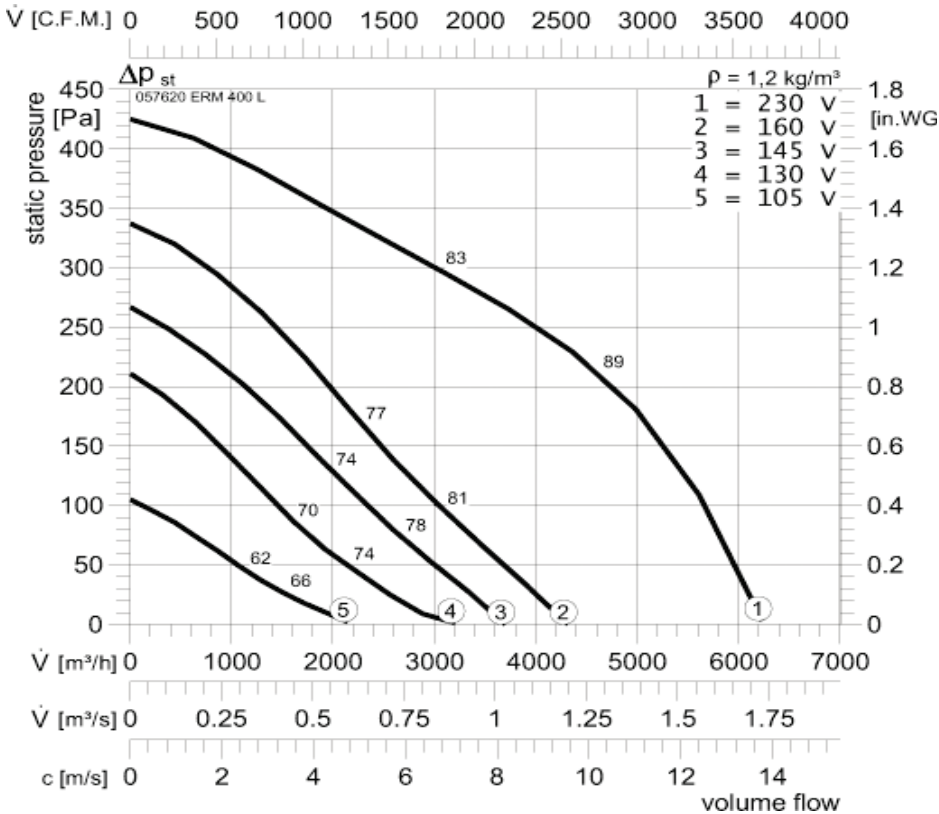
L _{WArel} ΔdB	L _{WA2}	L _{WA5}	L _{WA6}
L _{WAtot}	-19	-3	0
125Hz	-41	-13	-20
250Hz	-28	-8	-6
500Hz	-24	-7	-9
1kHz	-23	-12	-5
2kHz	-27	-13	-7
4kHz	-33	-20	-9
8kHz	-43	-27	-18

ERM 400M; 50Hz


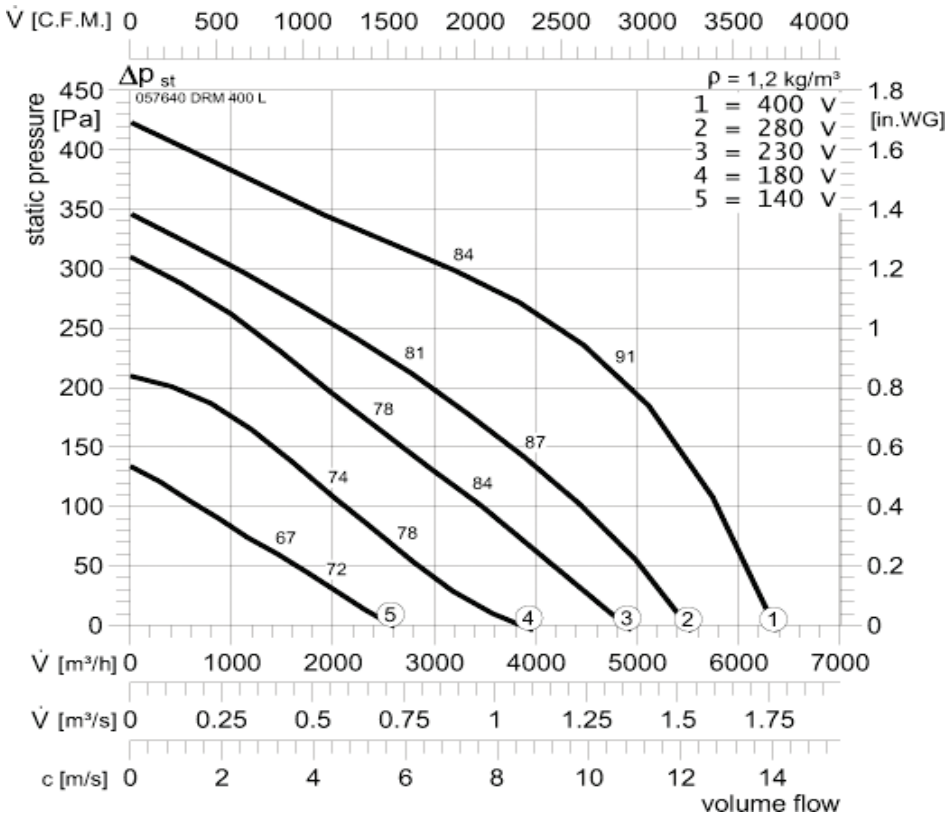
L _{WArel} ΔdB	L _{WA2}	L _{WA5}	L _{WA6}
L _{WAtot}	-19	-4	0
125Hz	-33	-13	-8
250Hz	-30	-11	-10
500Hz	-25	-9	-6
1kHz	-23	-13	-5
2kHz	-27	-14	-9
4kHz	-36	-21	-18
8kHz	-44	-27	-25

DRM 400M; 50Hz


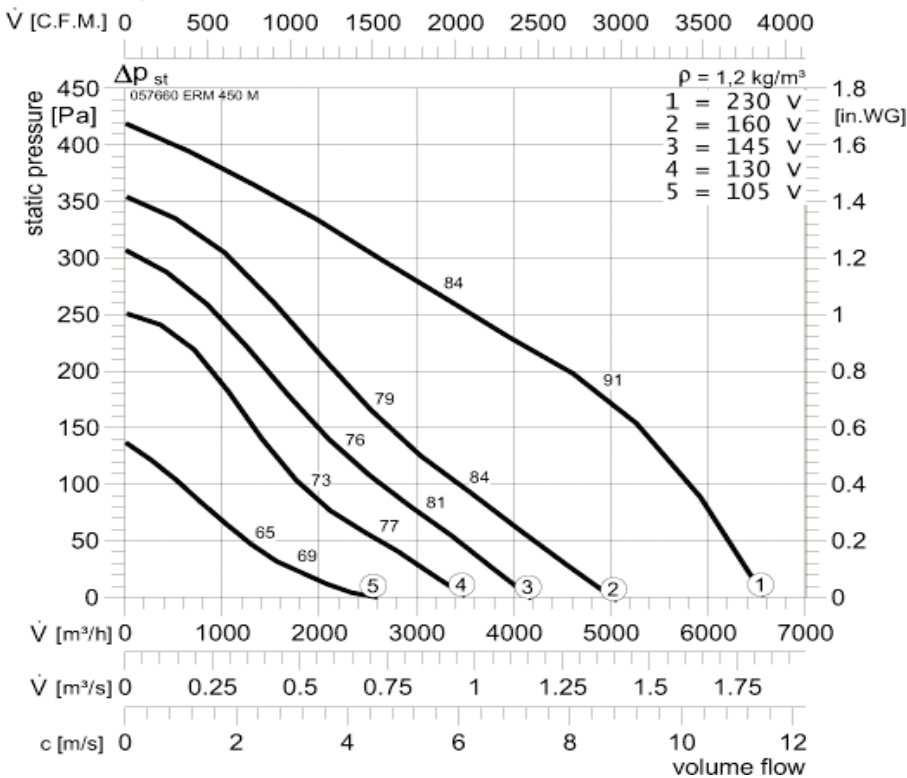
L _{WArel} ΔdB	L _{WA2}	L _{WA5}	L _{WA6}
L _{WA} tot	-19	-4	0
125Hz	-39	-12	-8
250Hz	-28	-10	-9
500Hz	-25	-9	-6
1kHz	-23	-13	-5
2kHz	-26	-14	-9
4kHz	-35	-20	-17
8kHz	-44	-27	-24

ERM 400L; 50Hz


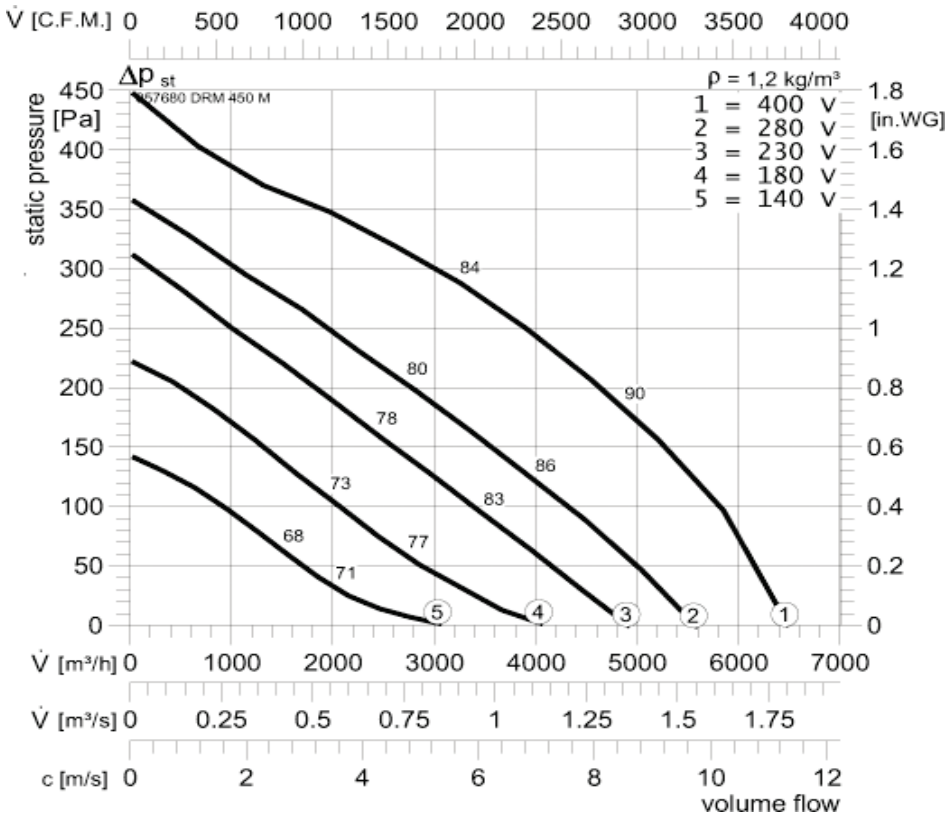
L _{WArel} ΔdB	L _{WA2}	L _{WA5}	L _{WA6}
L _{WA} tot	-18	-2	0
125Hz	-42	-13	-7
250Hz	-29	-8	-9
500Hz	-25	-8	-7
1kHz	-21	-9	-6
2kHz	-26	-12	-10
4kHz	-36	-19	-18
8kHz	-45	-28	-26

DRM 400L; 50Hz


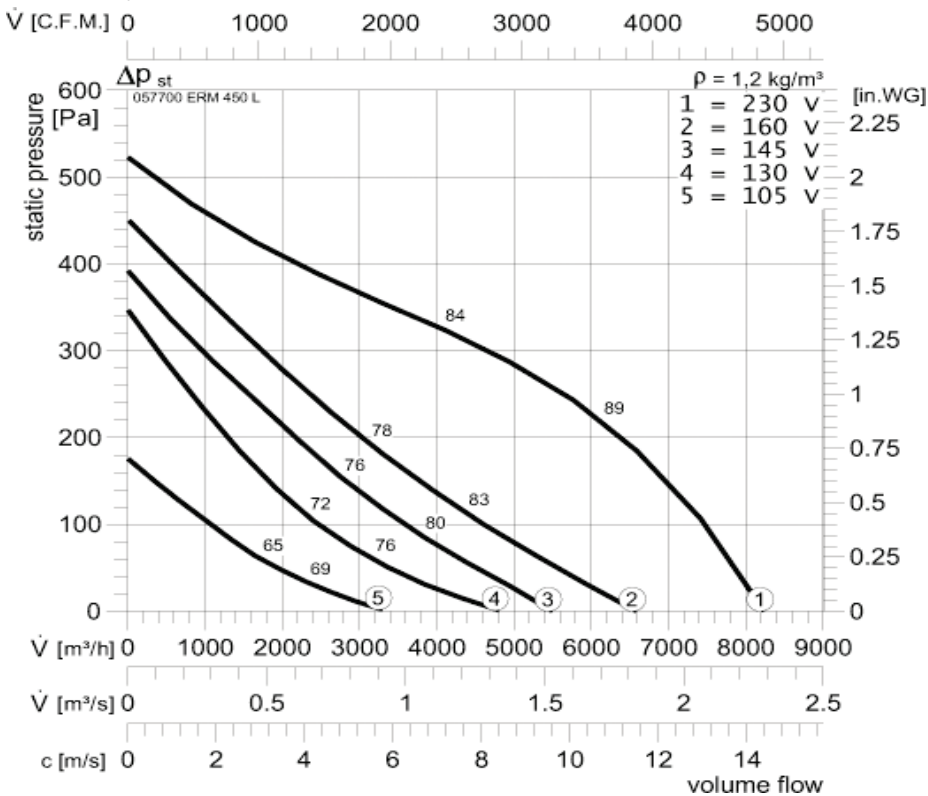
LW _{Arel} ΔdB	LWA 2	LWA 5	LWA 6
LW _{Atot}	-18	-2	0
125H z	-42	-13	-7
250H z	-29	-8	-9
500H z	-25	-8	-7
1kHz	-21	-9	-6
2kHz	-26	-12	-10
4kHz	-36	-19	-18
8kHz	-45	-28	-26

ERM 450M; 50Hz


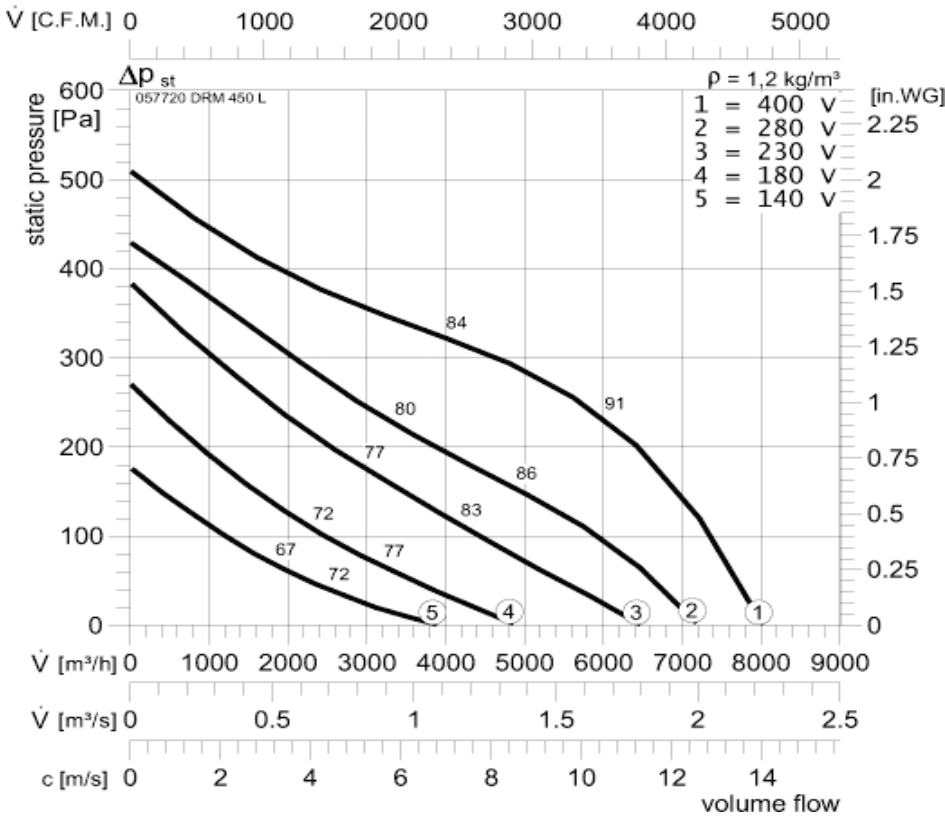
LW _{Arel} ΔdB	LWA 2	LWA 5	LWA 6
LW _{Atot}	-15	-4	0
125H z	-40	-14	-10
250H z	-20	-9	-6
500H z	-23	-10	-5
1kHz	-20	-12	-6
2kHz	-25	-15	-11
4kHz	-34	-21	-19
8kHz	-43	-29	-26

DRM 450M; 50Hz


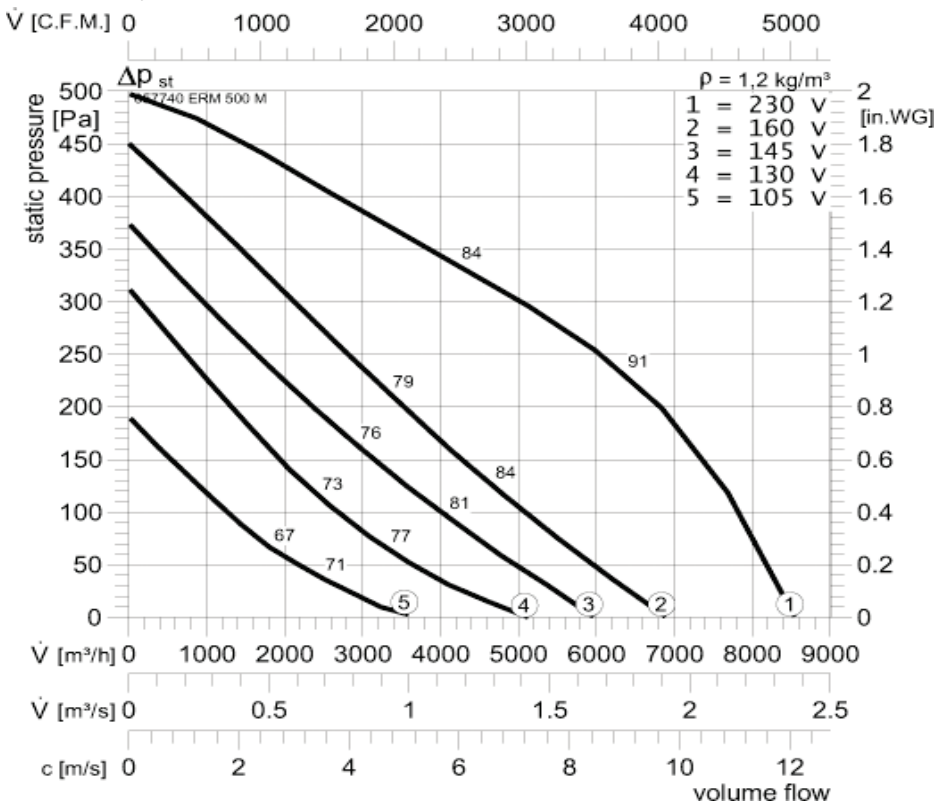
LWArel ΔdB	LWA 2	LWA 5	LWA 6
LWA _{tot}	-18	-2	0
125H z	-46	-14	-10
250H z	-28	-7	-10
500H z	-24	-8	-4
1kHz	-21	-11	-5
2kHz	-27	-13	-10
4kHz	-35	-18	-18
8kHz	-44	-28	-25

ERM 450L; 50Hz


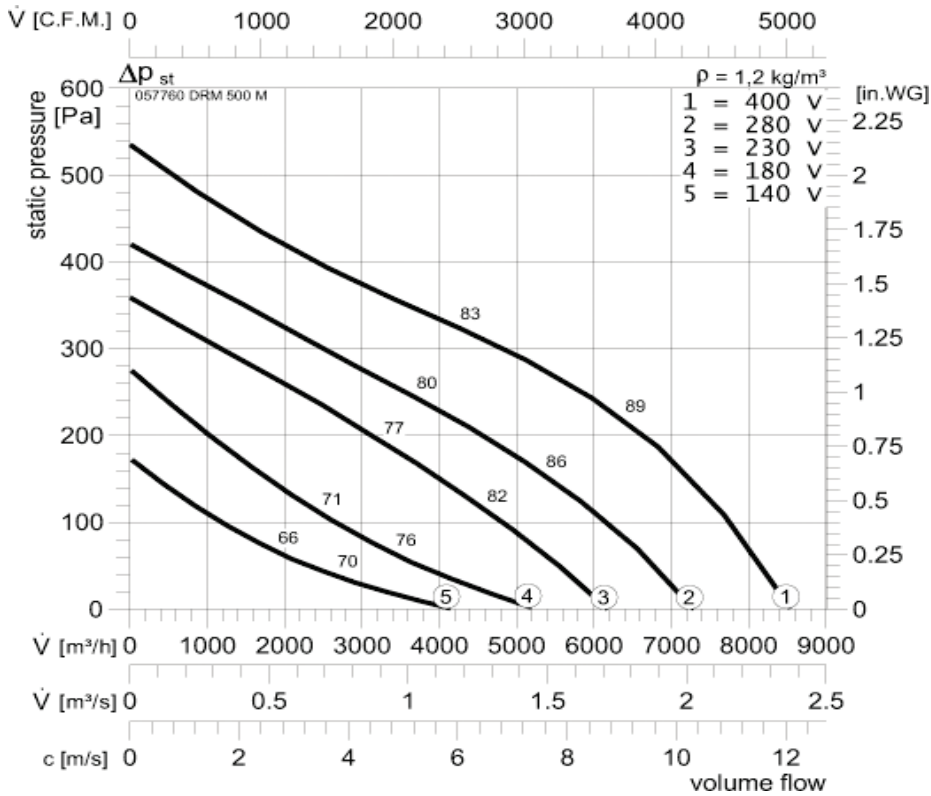
LWArel ΔdB	LWA 2	LWA 5	LWA 6
LWA _{tot}	-16	0	0
125H z	-31	-10	-6
250H z	-26	-5	-10
500H z	-24	-6	-6
1kHz	-20	-9	-6
2kHz	-22	-9	-10
4kHz	-34	-17	-14
8kHz	-44	-26	-24

DRM 450L; 50Hz


LWArel ΔdB	LWA 2	LWA 5	LWA 6
LWA _{tot}	-16	0	0
125H z	-32	-11	-7
250H z	-31	-5	-11
500H z	-23	-6	-7
1kHz	-20	-8	-6
2kHz	-21	-9	-9
4kHz	-33	-16	-15
8kHz	-45	-16	-25

ERM 500M; 50Hz


LWArel ΔdB	LWA 2	LWA 5	LWA 6
LWA _{tot}	-18	-2	0
125H z	-33	-13	-7
250H z	-31	-7	-12
500H z	-25	-8	-7
1kHz	-21	-10	-5
2kHz	-25	-11	-10
4kHz	-39	-18	-16
8kHz	-47	-28	-26

DRM 500M; 50Hz


L _{WArel} ΔdB	L _{WA2}	L _{WA5}	L _{WA6}
L _{WA} tot	-18	0	0
125Hz	-39	-11	-8
250Hz	-32	-5	-11
500Hz	-25	-6	-7
1kHz	-21	-9	-4
2kHz	-24	-9	-9
4kHz	-37	-16	-16
8kHz	-43	-26	-25