RZM 13-1120

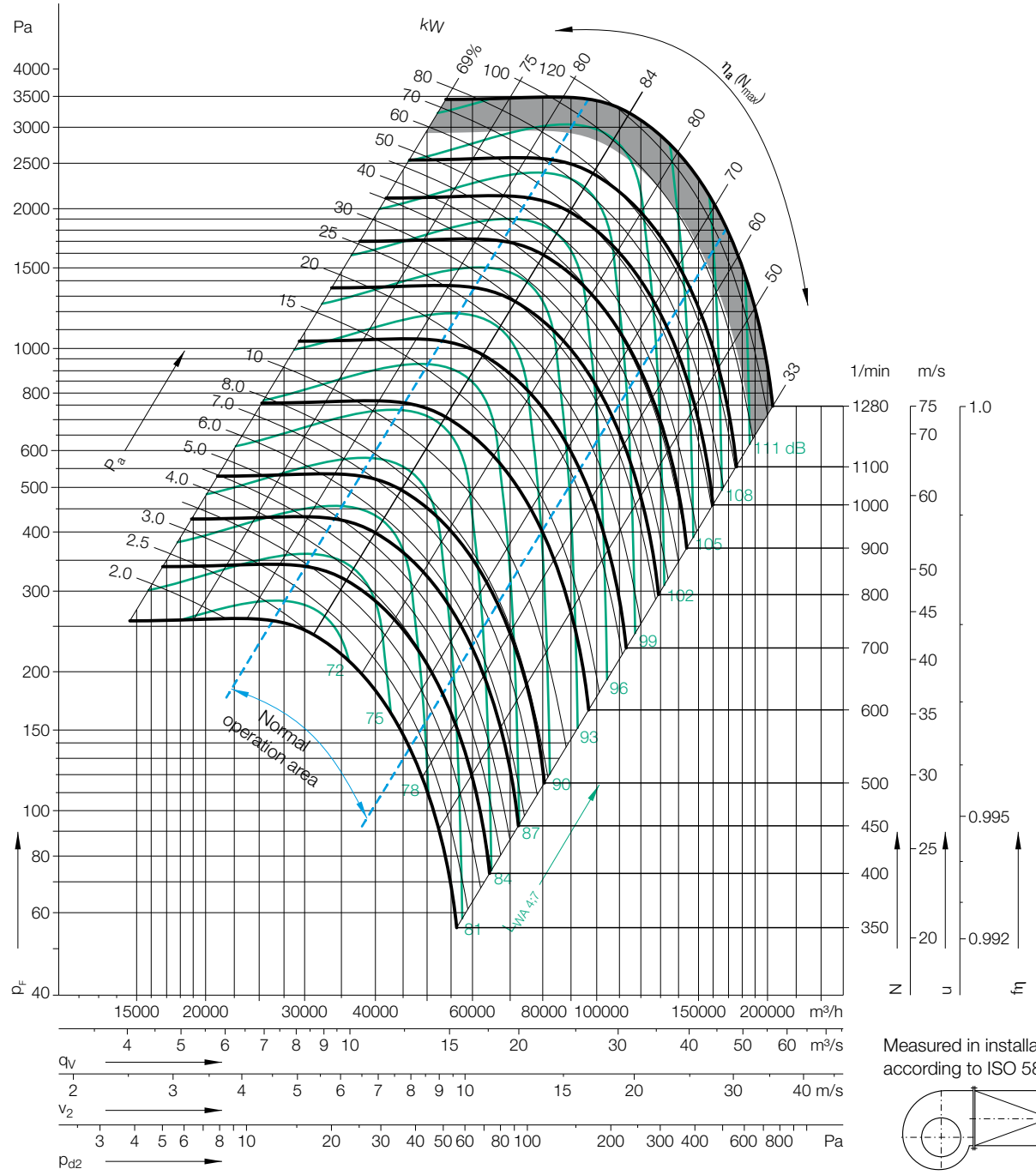
Technical Data

Please note coloured area!

- ☐ all types suitable
- ▩ do not use in this area

Impeller Data			
Impeller diameter	D_r	1120	mm
Number of blades	z	12	
Moment of Inertia	J	32	kgm²

Impeller Data			
Impeller weight	m	200	kg
Density of media	ρ_1	1.2	kg/m³



Measured in installation B according to ISO 5801:

Determination of the Octave level

Relative sound power level for **inlet side** L_{Wrel7} at octave band correction factors f_c.

Speed	Duty point	63	125	250	500	1000	2000	4000	8000	Hz
≤682 1/min	≤0.8 q_{Vopt}	0	3	1	-2	-6	-9	-13	-20	dB
	>0.8-1.2 q_{Vopt}	-1	2	1	-2	-6	-9	-14	-21	dB
	>1.2-1.6 q_{Vopt}	-2	1	1	-3	-5	-8	-15	-21	dB
	>1.6 q_{Vopt}	-5	-3	-2	-3	-5	-7	-14	-21	dB
Speed	**Duty point**	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Hz**
>682 1/min	≤0.8 q_{Vopt}	-1	-1	-3	-2	-7	-11	-16	-21	dB
	>0.8-1.2 q_{Vopt}	-6	-4	-6	-2	-7	-10	-15	-21	dB
	>1.2-1.6 q_{Vopt}	-10	-7	-8	-3	-6	-9	-14	-21	dB
	>1.6 q_{Vopt}	-10	-7	-8	-3	-6	-8	-11	-20	dB

Relative sound power level for **discharge side** L_{Wrel4} at octave band correction factors f_c.

63	125	250	500	1000	2000	4000	8000	Hz
12	7	4	-3	-8	-14	-18	-26	dB
10	5	3	-3	-8	-14	-19	-28	dB
7	2	3	-3	-6	-13	-20	-28	dB
4	1	2	-3	-6	-12	-19	-28	dB
63	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Hz**
10	4	1	-1	-7	-13	-18	-25	dB
6	2	-2	-3	-6	-12	-15	-25	dB
2	-3	-3	-3	-6	-11	-15	-25	dB
1	-3	-5	-3	-6	-11	-13	-22	dB