RZR _-0315

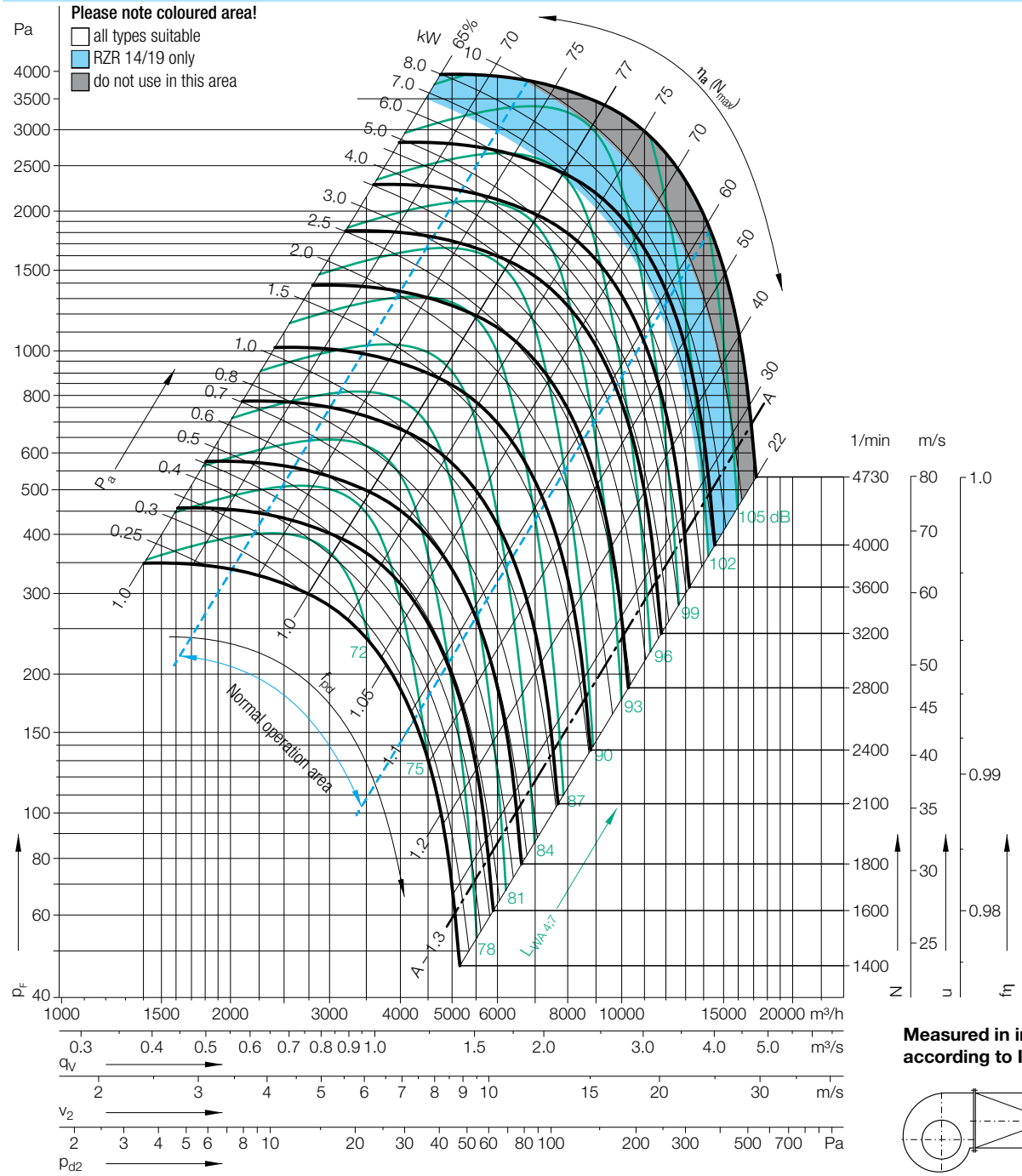
Technical Data

Impeller Data			
Impeller diameter	D_r	323	mm
Number of blades	z	12	
Moment of Inertia	J	0.126	kgm²

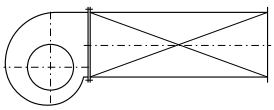
Impeller Data			
Impeller weight	m	7.1	kg
Density of media	ρ_1	1.2	kg/m³
Tolerance class (DIN 24166)		1	

Speed limits N_{max} for ATEX execution		
RZR 11/12	**3793**	1/min
RZR 19	**4113**	1/min

Performance Curves



Measured in installation B according to ISO 5801:



Relative sound power level for inlet side L_{Wrel7} at octave centre frequencies f_c

Speed	Duty point	63	125	250	500	1000	2000	4000	8000	Hz
≤2365 1/min	≤0.8 q_{Vopt}	0	2	0	-3	-6	-9	-12	-19	dB
	>0.8-1.2 q_{Vopt}	-2	1	-2	-3	-6	-8	-14	-20	dB
	>1.2-1.6 q_{Vopt}	-3	0	-1	-3	-6	-8	-14	-21	dB
	>1.6 q_{Vopt}	-5	-3	-3	-3	-6	-7	-13	-21	dB
Speed	**Duty point**	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Hz**
>2365 1/min	≤0.8 q_{Vopt}	-2	-1	-3	-1	-6	-10	-15	-21	dB
	>0.8-1.2 q_{Vopt}	-7	-4	-5	-1	-6	-9	-14	-21	dB
	>1.2-1.6 q_{Vopt}	-10	-7	-8	-1	-5	-8	-13	-21	dB
	>1.6 q_{Vopt}	-10	-8	-8	-2	-6	-8	-11	-18	dB

Relative sound power level for discharge side L_{Wrel4} at octave centre frequencies f_c

63	125	250	500	1000	2000	4000	8000	Hz
13	7	4	-3	-8	-14	-17	-25	dB
10	5	3	-2	-7	-13	-17	-25	dB
7	2	2	-2	-6	-12	-18	-27	dB
5	1	1	-2	-6	-10	-17	-27	dB
63	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Hz**
11	4	2	0	-7	-12	-17	-24	dB
7	1	-2	-3	-6	-10	-15	-23	dB
3	-2	-4	-3	-5	-9	-14	-23	dB
2	-3	-5	-3	-5	-9	-12	-21	dB