RZR _-1400

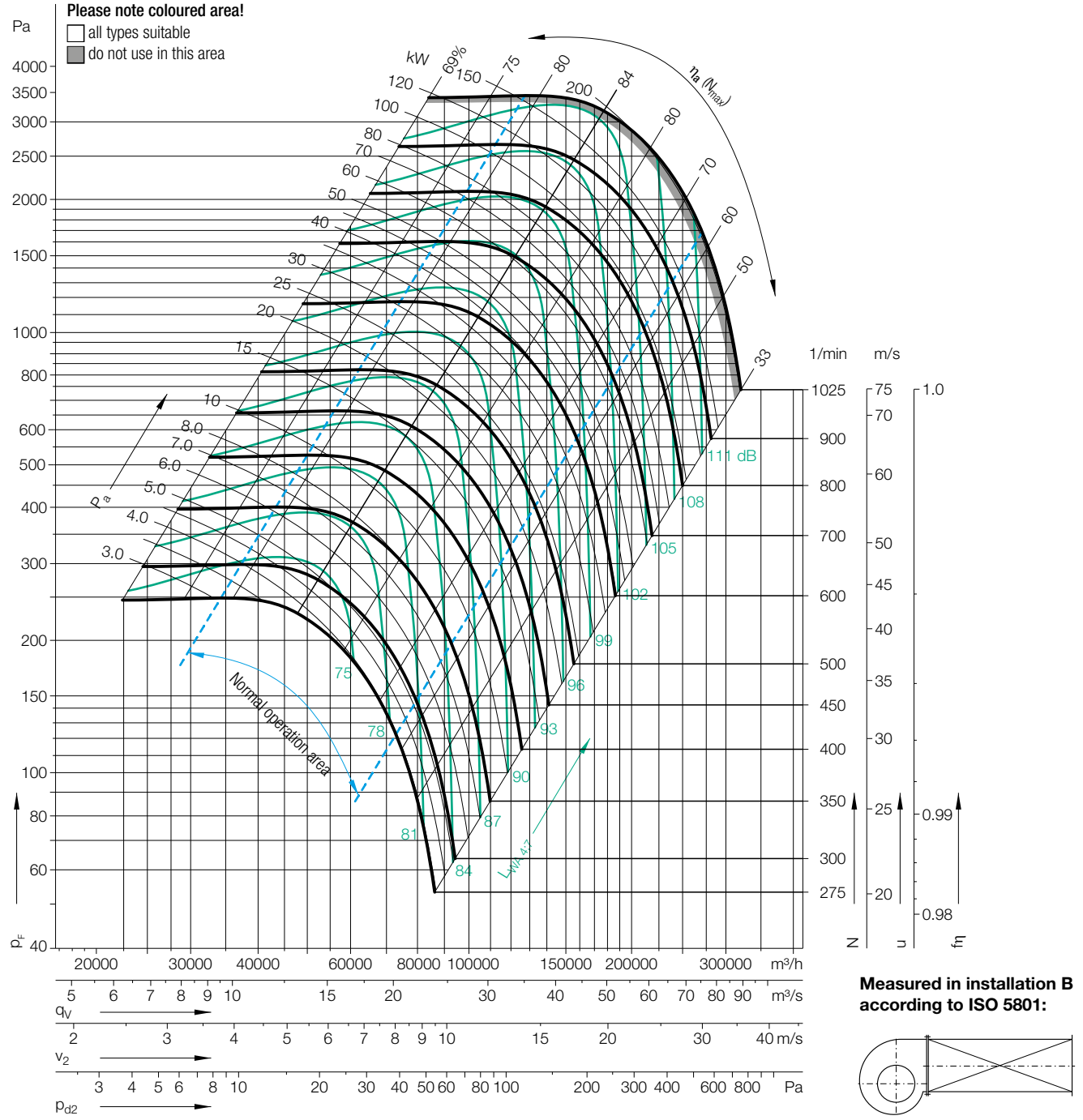
Technical Data

Impeller Data			
Impeller diameter	D_r	1400	mm
Number of blades	z	12	
Moment of Inertia	J	120	kgm²

Impeller Data			
Impeller weight	m	335	kg
Density of media	ρ_1	1.2	kg/m³
Tolerance class (DIN 24166)		1	

Speed limits N_{max} for ATEX execution		
RZR 13	**870**	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

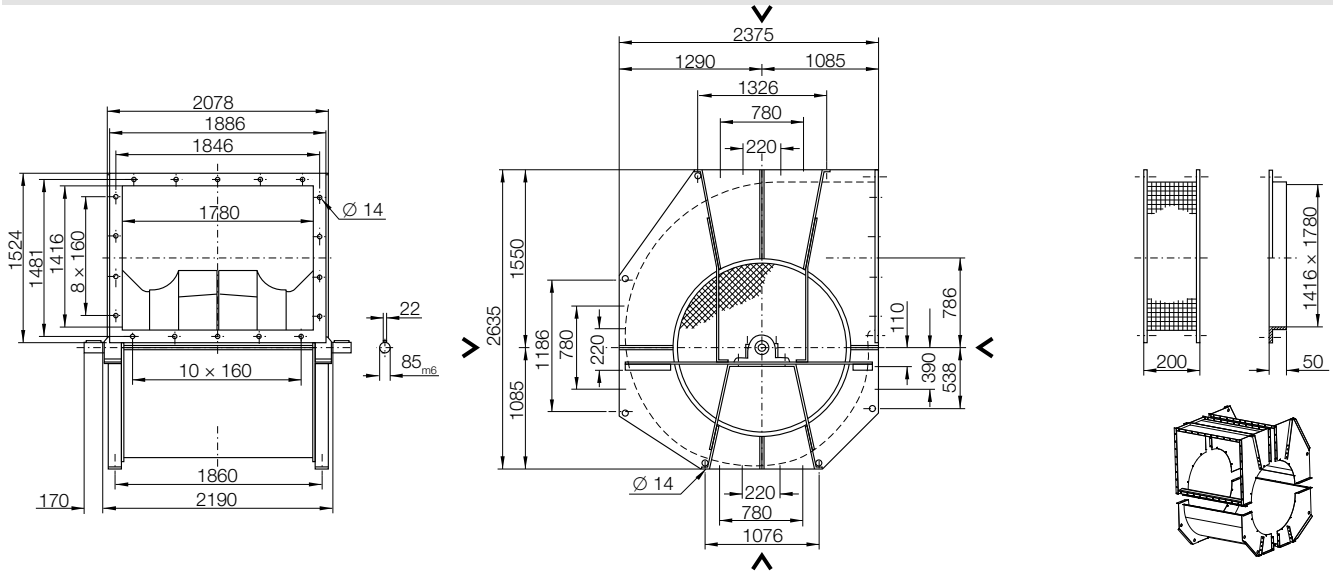
Speed	Duty point	63	125	250	500	1000	2000	4000	8000	Hz
≤546 1/min	≤0.8 q_{Vopt}	0	3	1	-2	-6	-9	-13	-20	dB
	>0.8-1.2 q_{Vopt}	-1	2	1	-2	-6	-9	-14	-21	dB
	>1.2-1.6 q_{Vopt}	-2	1	1	-3	-5	-8	-15	-21	dB
	>1.6 q_{Vopt}	-5	-3	-2	-3	-5	-7	-14	-21	dB
Speed	**Duty point**	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Hz**
>546 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 centre frequencies f_c

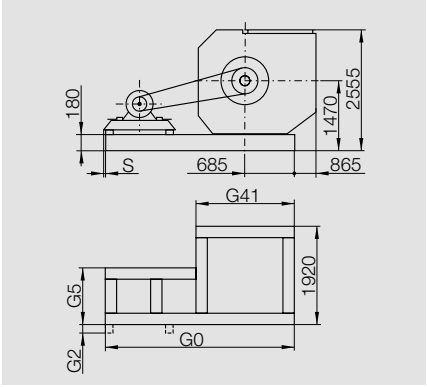
63	125	250	500	1000	2000	4000	8000	Hz
12	7	4	-3	-8	-14	-18	-26	dB
10	5	3	-3	-8	-14	-19	-28	dB
7	2	3	-3	-6	-13	-20	-28	dB
4	1	2	-3	-6	-12	-19	-28	dB
63	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Hz**
10	4	1	-1	-7	-13	-18	-25	dB
6	2	-2	-3	-6	-12	-15	-25	dB
2	-3	-3	-3	-6	-11	-15	-25	dB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

RZR _-1400

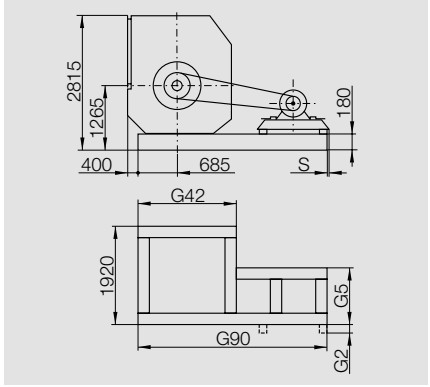
Dimensions in mm, subject to change.
RZR 13-1400 1390 kg



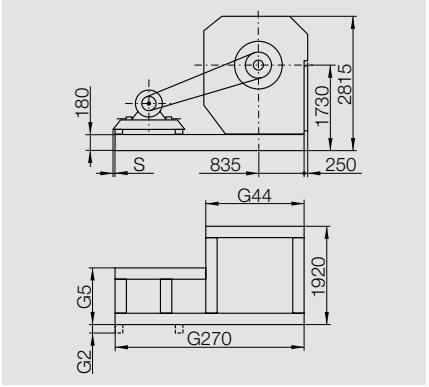
LG 0



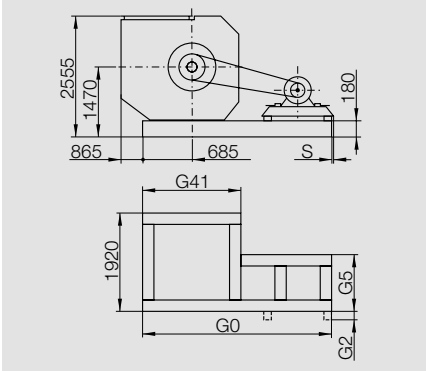
LG 90



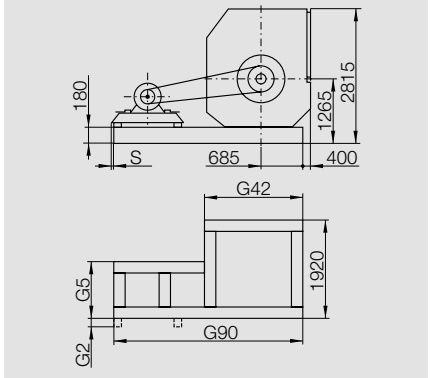
LG 270



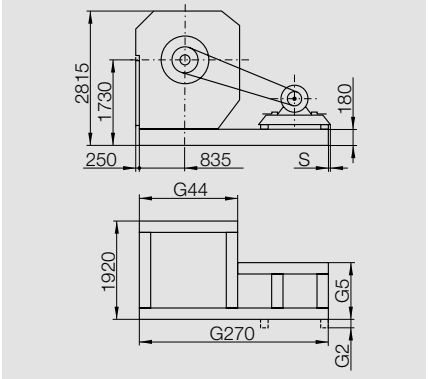
RD 0

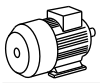


RD 90



RD 270





	G0	G90	G270	G41	G42	G44	G2	G5	S
160	2225	2550	2580	1505	1830	1860	87	420	–
180	2225	2550	2580	1505	1830	1860	87	420	–
200	2495	2800	2950	1605	1910	2060	62	470	–
225	2495	2800	2950	1605	1910	2060	62	470	–
250	2775	2960	3160	1775	1960	2160	–	670	6
280	2775	2960	3160	1775	1960	2160	–	670	6
315	3055	3230	3410	1805	1980	2160	–	1020	10
355	3055	3230	3410	1805	1980	2160	–	1020	10