

Technical Data

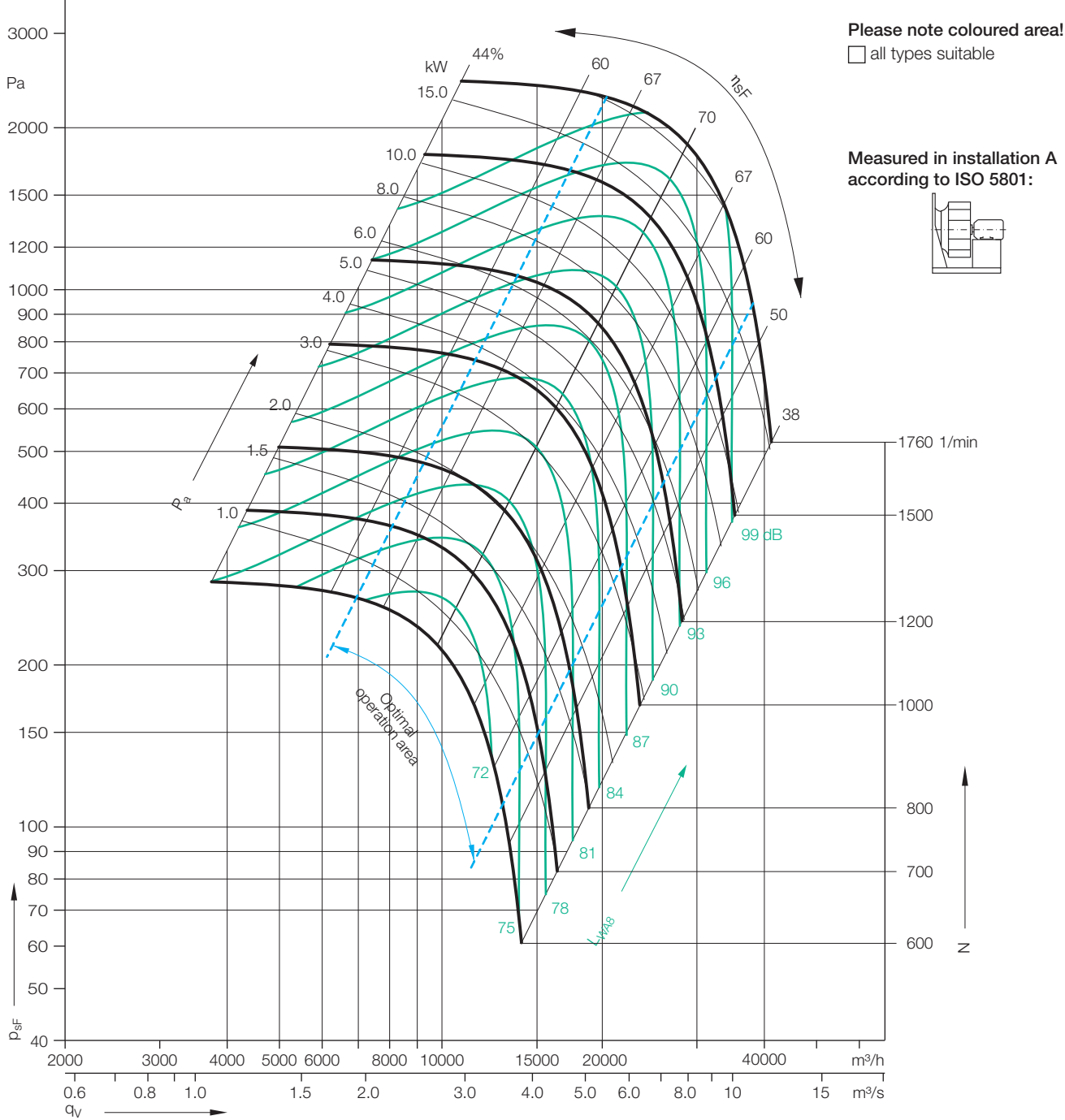
Impeller Data

Impeller diameter	D_r	808	mm
Number of blades	z	6	
Moment of Inertia	J	4.6	kgm ²

Impeller Data

Impeller weight	m	51	kg
Density of media	ρ_1	1.2	kg/m ³
Tolerance class (DIN 24166)		1	

Technical Data



Relative sound power level for discharge side L_{wrel6} at octave centre frequencies f_m

Speed
≤900 1/min
Speed
>900 1/min

63	125	250	500	1000	2000	4000	8000	Hz
7	0	-3	-3	-4	-9	-16	-20	dB
63	125	250	500	1000	2000	4000	8000	Hz
1	3	-3	-4	-4	-7	-15	-19	dB

Relative sound power level for inlet side L_{wrel5} at octave centre frequencies f_m

63	125	250	500	1000	2000	4000	8000	Hz
6	2	-2	-3	-5	-11	-16	-22	dB
63	125	250	500	1000	2000	4000	8000	Hz
1	4	-1	-4	-6	-9	-14	-20	dB



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RLM ..-7180

Technical Data

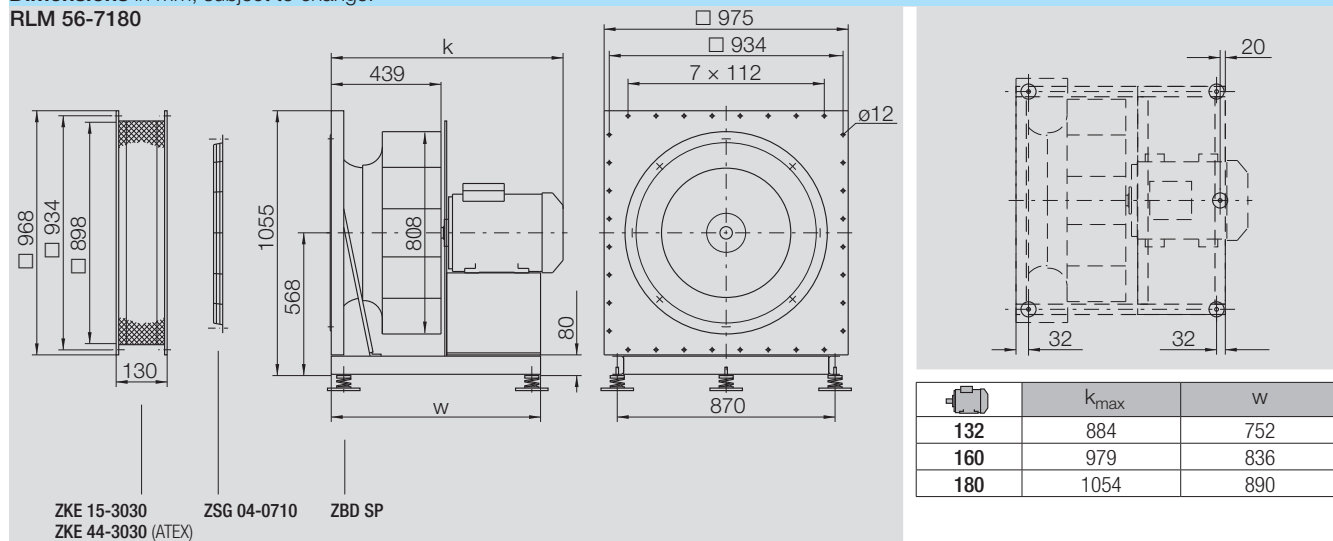
	Nominal motor power	Poles	Motor size	Motor voltage	Nominal fre- quency	Connection	Nominal motor current	Nominal motor speed	Max. fan speed	Max. operating frequency	Weight
RLM 56-	kW	—		V	Hz		A	1/min	1/min	Hz	kg
7180-6D-23	4.00	6	132 M	400	50	Δ	9.30	950	1000	52	165
7180-6D-24	5.50	6	132 M	400	50	Δ	12.80	950	1110	58	174
7180-6D-26	7.50	6	160 M	400	50	Δ	17.60	970	1230	63	204
7180-6D-28	11.00	6	160 L	400	50	Δ	24.00	965	1380	71	229
7180-4D-28	15.00	4	160 L	400	50	Δ	30.00	1460	1550	53	211
7180-4D-30	18.50	4	180 M	400	50	Δ	35.50	1465	1650	56	274
7180-4D-31	22.00	4	180 L	400	50	Δ	42.00	1465	1760	60	289

Technical Data

	Nominal motor power	Poles	Motor size	Motor voltage	Nominal fre- quency	Connection	Nominal motor current	Nominal motor speed	Max. fan speed	Max. operating frequency	Weight
RLM 56-Ex II 2G c IIB T4	kW	—		V	Hz		A	1/min	1/min	Hz	kg
7180-6Y-23-2G	4.00	6	132 M	400	50	Δ	9.60	945	990	52	211
7180-6Y-24-2G	5.50	6	132 M	400	50	Δ	12.60	950	1100	58	218
7180-6Y-26-2G	7.50	6	160 M	400	50	Δ	17.50	960	1230	64	266
7180-6Y-28-2G	11.00	6	160 L	400	50	Δ	24.50	960	1380	72	304
7180-4Y-28-2G	15.00	4	160 L	400	50	Δ	28.50	1455	1530	52	296
7180-4Y-30-2G	18.50	4	180 M	400	50	Δ	35.00	1460	1600	54	309

Dimensions in mm, subject to change.

RLM 56-7180



Accessories

	Frequency Inverter Unit MM420 for 3~	Line Choke for 3~	Frequency Inverter 6SE6430-	Control Panel for Frequency Inverter 6SE6420- and 6SE6430-
RLM 56-				
7180-6D-23	MM420 3AC 400V 4.00kW EMV B	6SE6400-3CC01-4BD3	-	-
7180-6D-24	MM420 3AC 400V 5.50kW EMV B	6SE6400-3CC02-2CD3	-	-
7180-6D-26	MM420 3AC 400V 7.50kW EMV B	6SE6400-3CC02-2CD3	-	-
7180-6D-28	MM420 3AC 400V 11.0kW EMV B	6SE6400-3CC03-5CD3	-	-
7180-4D-28	-	6SE6400-3CC03-5CD3	6SE6430-2AD31-5CA0	6SE6400-0BP00-0AA0
7180-4D-30	-	6SE6400-3CC04-4DD0	6SE6430-2AD31-8DA0	6SE6400-0BP00-0AA0
7180-4D-31	-	6SE6400-3CC04-4DD0	6SE6430-2AD32-2DA0	6SE6400-0BP00-0AA0
RLM 56-Ex II 2G c IIB T4				
7180-6Y-23-2G	MM420 3AC 400V 4.00kW EMV B	6SE6400-3CC01-4BD3	-	-
7180-6Y-24-2G	MM420 3AC 400V 5.50kW EMV B	6SE6400-3CC02-2CD3	-	-
7180-6Y-26-2G	MM420 3AC 400V 7.50kW EMV B	6SE6400-3CC02-2CD3	-	-
7180-6Y-28-2G	MM420 3AC 400V 11.0kW EMV B	6SE6400-3CC03-5CD3	-	-
7180-4Y-28-2G	-	6SE6400-3CC03-5CD3	6SE6430-2AD31-5CA0	6SE6400-0BE00-0AA0
7180-4Y-30-2G	-	6SE6400-3CC04-4DD0	6SE6430-2AD31-8DA0	6SE6400-0BE00-0AA0



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