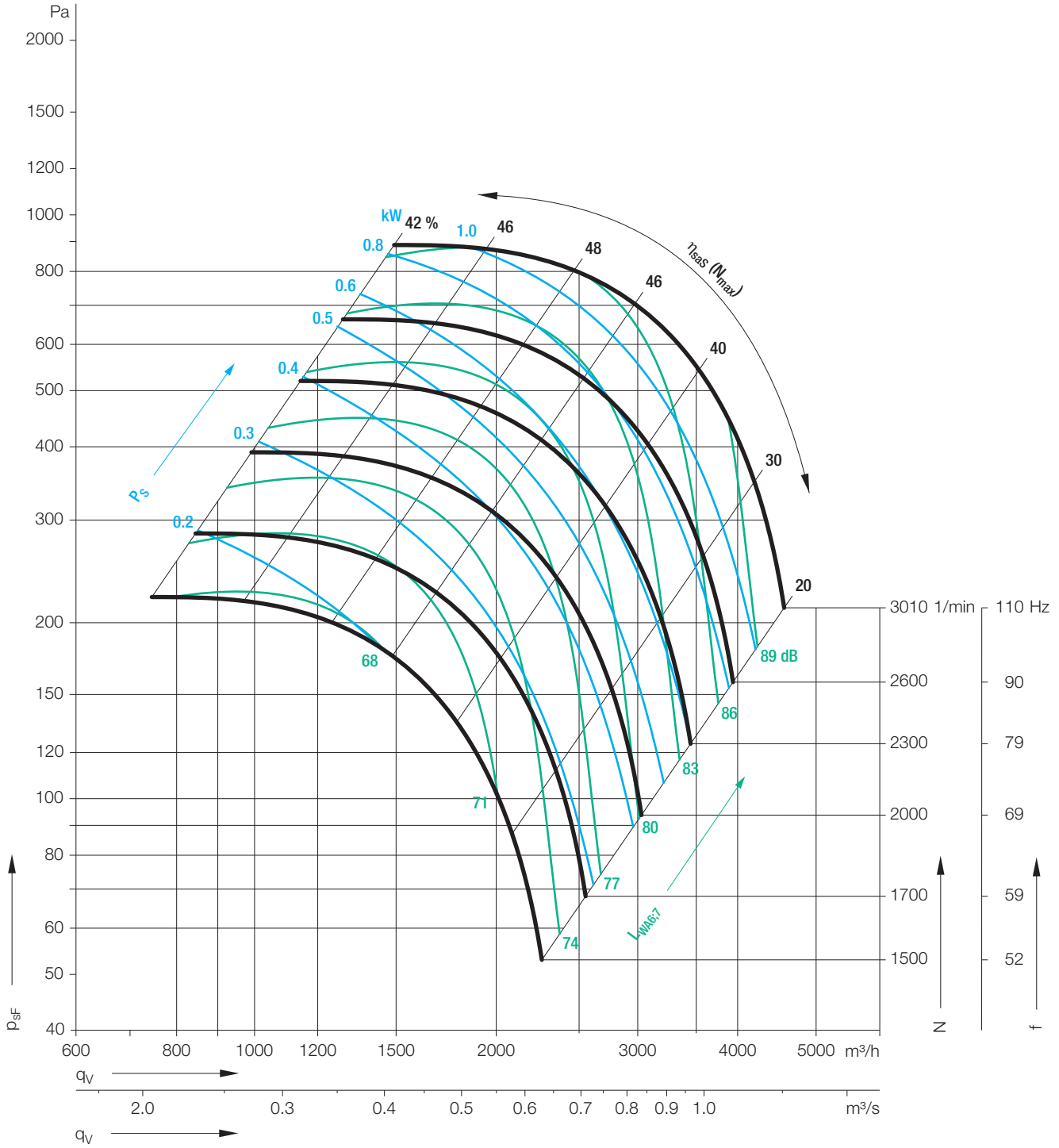
RZA 11-0250

Technical Data

Density of media **1.15 kg/m³**

Tolerance class **2** according to **DIN 24166**
Measured in installation **A** according to **ISO 5801** (unducted)



Determination of the Octave level

Inlet side

Relative sound power level L_{WrelI7} octave band correction factors f_m

Duty point	63	125	250	500	1000	2000	4000	8000	Hz
≤ 1.4 q_{Vopt}	-9	-8	-4	-3	-4	-7	-12	-17	dB
> 1.4 q_{Vopt}	-11	-12	-6	-4	-4	-6	-12	-21	dB

Discharge side

Relative sound power level L_{WrelI6} octave band correction factors f_m

Duty point	63	125	250	500	1000	2000	4000	8000	Hz
≤ 1.4 q_{Vopt}	-10	-8	-5	-1	-5	-9	-16	-26	dB
> 1.4 q_{Vopt}	-12	-12	-8	-1	-5	-8	-15	-27	dB

RZA 11-0250

Technical Data

RZA 11-	Speed control	Nominal voltage	Mains frequency	Nominal frequency	Nominal motor power	Max. power consumption	Nominal motor current	Max. output current (FC)	Max. operating frequency	Nominal motor speed	Max. fan speed	Media Temperature max.	Weight
		V		Hz	kW	kW	A	A	Hz	1/min	1/min	°C	kg
0250-4D	(3)	400		87	0.95	1.4		2.5	110		3010	40	21

Technical Data

RZA 11-	Speed control	Nominal voltage	Mains frequency	Nominal frequency	Nominal motor power	Max. power consumption	Nominal motor current	Max. output current (FC)	Max. operating frequency	Nominal motor speed	Max. fan speed	Media Temperature max.	Weight
		V	Hz		kW	kW	A	A	Hz	1/min	1/min	°C	kg
0250-4D-50	*	400	50			0.21	0.90		110	1460	3010	40	21
0250-4D-60	*	460	60			0.29	0.87		110	1740	3010	40	21

Frequency Inverter Parameters

The following curves show the fans operating with frequency control: The nominal frequency of the inverter is 87Hz, i.e. the input frequency 400V is increased to 87Hz. The performance curves plot speed/frequency against volume and pressure, and the total efficiency (η inverter x η motor x η impeller) is expressed as a parabola.

The set up parameters for each inverter are provided in the accompanying literature.

Calculations formula

$P_S = p_{sF} \times q_V / \eta_{faS}$

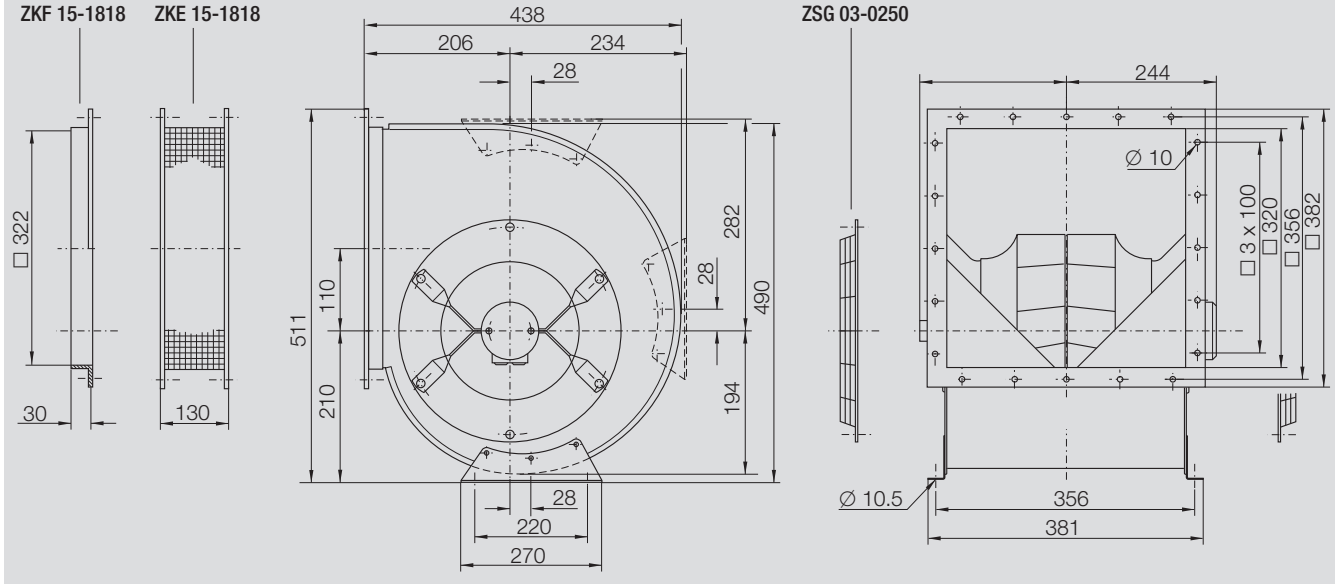
$L_{Wokt7} = L_{WA6/7} + L_{Wrel7}$

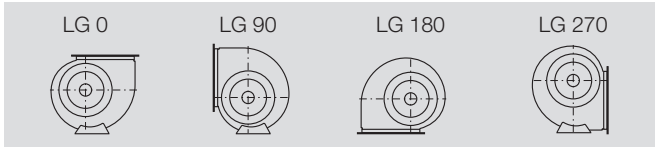
$L_{Wokt6} = L_{WA6/7} + L_{Wrel6}$

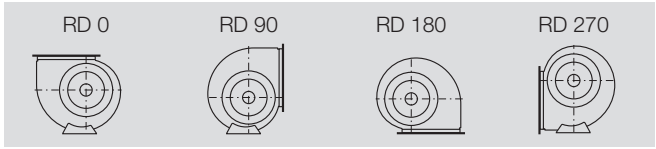
(3) = Stepless speed controllable via frequency converter

* = No speed control available

Dimensions in mm, subject to change.







Accessories

RZA 11-	Isolator (metal casing)	Frequency Inverter Unit MM420 for 3~	Line Choke for 3~	Anti Vibration Rubber Buffers
0250-4D	ESH 22-0075-32	MM420 3AC 400V 1.10KW EMV B	6SE6400-3CC00-4AD3	ZBD 01-0506-A
RZA 11-				
0250-4D-50	ESH 22-0075-32	-	-	ZBD 01-0506-A
0250-4D-60	ESH 22-0075-32	-	-	ZBD 01-0506-A