

# RLE 30-0510-EC

**Technical Data** in Class 2 according to DIN 24166

RLE 30-	Voltage V	Phases	Frequency Hz	Speed 1/min	Max. power consumption kW	Nominal current A	$L_{WA6}$ at $q_{Vopt}$ dB	Motor protection class	Motor thermal class	Media Temperature max. °C	Impeller weight kg
0510-EC-01-37	230	1~	50/60	1180	1,02	4,5	77	IP44	F	40	16,4

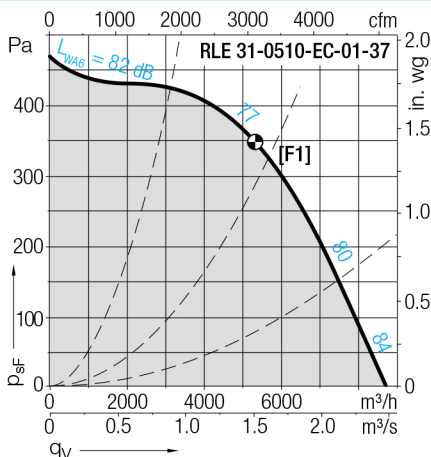
Stepless speed controllable via electronic Commutation Unit.  
The fans must be used with the Electronic Commutation Unit EKE 05.

Performance curves and sound data are valid only for the motor impeller in connection with our inlet cone!

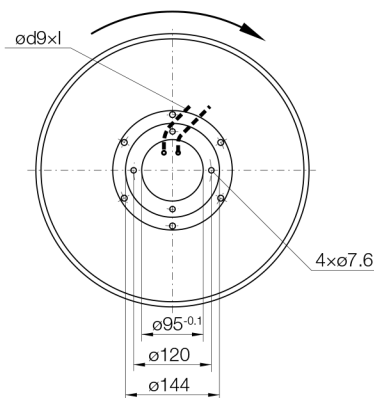
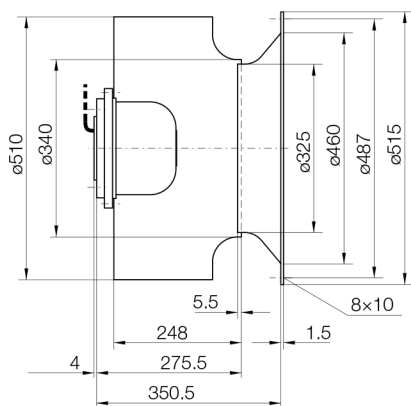
Sound level for inlet side  $L_{WA5} = L_{WA6} - 3$  dB.

**Curves** in Class 2 according to DIN 24166

$\rho_1 = 1.15 \text{ kg/m}^3$



**Dimensions** in mm, Subject to change.



Connection cable:	
RLE 30-	ød9x1
0510-EC-01-37	ø7.2x800

Clockwise rotation RD	
Reverb sensor cable:	
RLE 30-	ød9x1
0510-EC-01-37	ø6.8x800

Duty Point	
N [1/min]	$q_V$
450...900	0.3 $q_{Vmax}$
450...900	0.6 $q_{Vmax}$
450...900	1.0 $q_{Vmax}$
901...1180	0.3 $q_{Vmax}$
901...1180	0.6 $q_{Vmax}$
901...1180	1.0 $q_{Vmax}$

Relative sound power level for discharge side $L_{Wrel6}$								
63	125	250	500	1000	2000	4000	8000	Hz
+8	0	-2	-5	-4	-7	-14	-22	dB
+7	+1	-2	-5	-4	-7	-13	-21	dB
+2	-2	-3	-5	-5	-6	-12	-23	dB
+5	+1	-1	-5	-4	-7	-12	-19	dB
-1	+2	-1	-5	-5	-7	-11	-17	dB
-4	-1	-4	-5	-5	-7	-11	-15	dB

Relative sound power level for inlet side $L_{Wrel5}$								
63	125	250	500	1000	2000	4000	8000	Hz
+9	+2	0	-1	-7	-11	-15	-19	dB
+7	+2	+1	-1	-7	-11	-16	-23	dB
+3	+2	+1	-1	-7	-10	-15	-25	dB
+7	+3	0	-1	-7	-11	-14	-20	dB
+2	+3	+1	-1	-7	-11	-14	-20	dB
-4	+1	0	-1	-7	-10	-13	-16	dB

**Components**

	Inlet Cone	Electronic Commutation Unit
RLE 30-	ZKD	EKE
0510-EC-01-37		05-0040-5E-IA