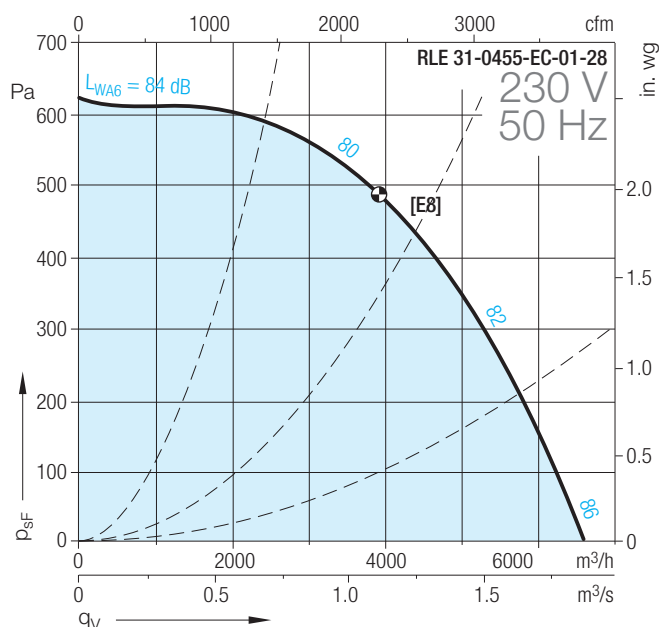
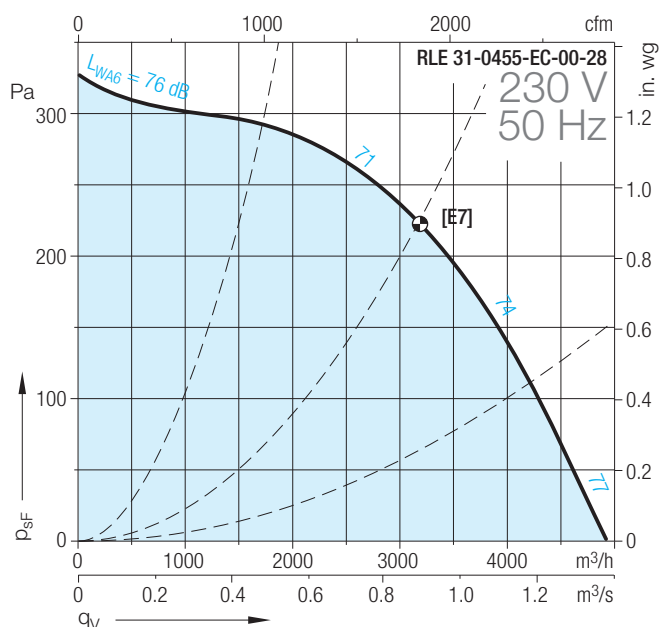
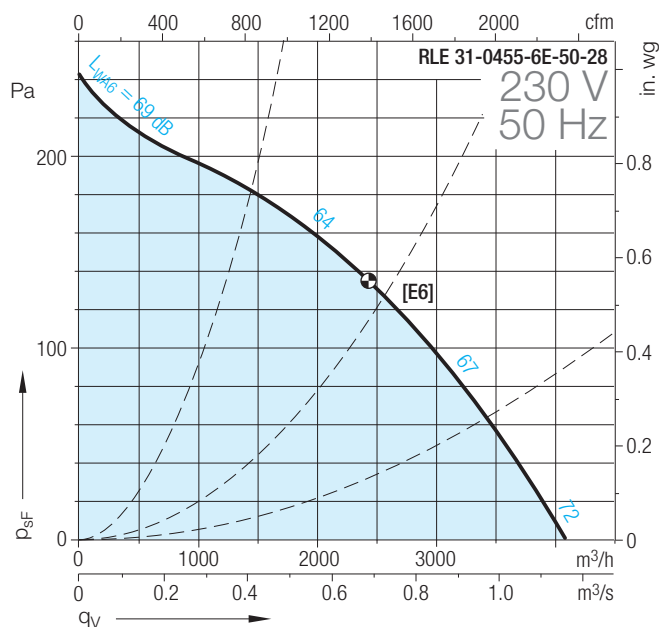
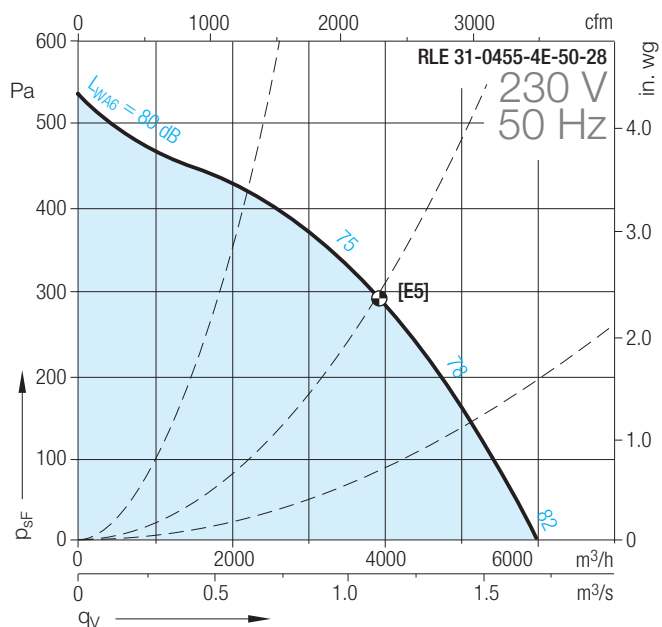
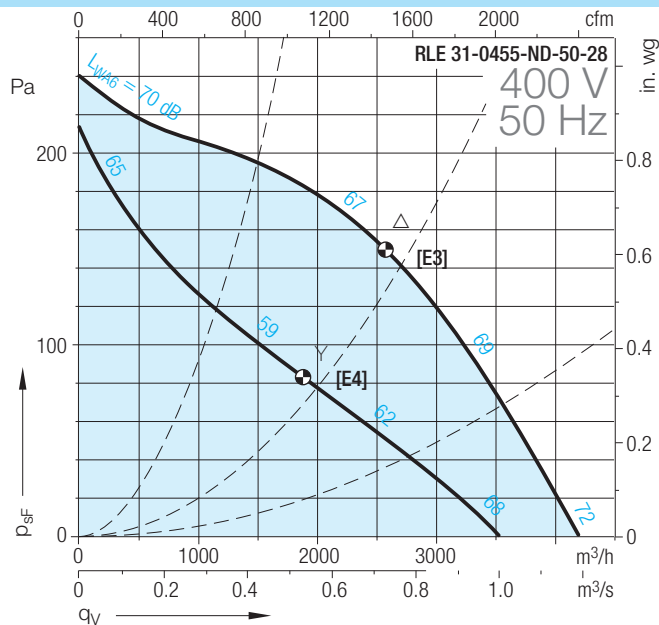
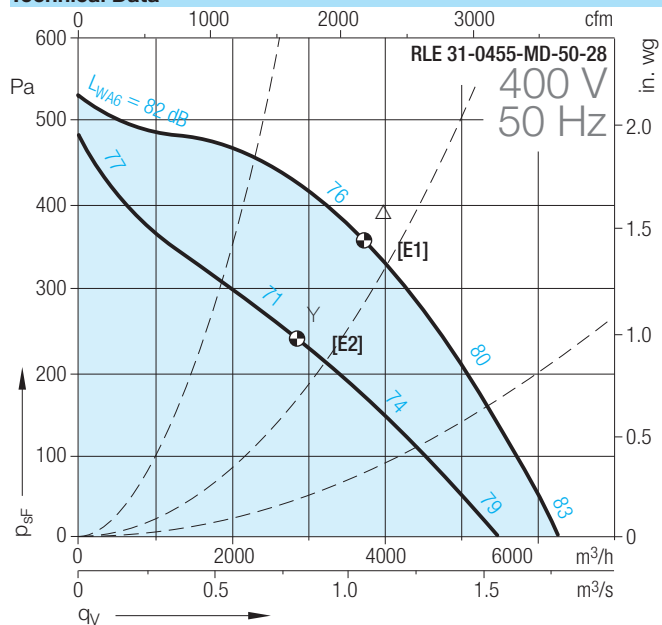


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Technical Data

	Voltage	Phases	Frequency	Speed	Max. power consumption	Nominal current	Starting-/full load current (I_A/I_N)	Operating Capacitor	Motor protection class	Motor thermal class	Media Temperature max.	Impeller weight
RLE 30-	V		Hz	1/min	kW	A		μF			°C	kg
0455-MD-50-28	400	3~	50	1370/1100	0.72/0.54	1.4/0.9	3.6		IP44	F	60	16.3
0455-ND-50-28	400	3~	50	900/670	0.27/0.17	0.65/0.32	2.3		IP44	F	60	10.7
0455-4E-50-28	230	1~	50	1320	0.7	3.2	2.1	16	IP44	F	60	16.3
0455-6E-50-28	230	1~	50	850	0.24	1.1	1.5	5	IP44	F	60	11.5
0455-EC-00-28	230	1~	50/60	1120	0.38	1.67			IP44	B	40	14.1
0455-EC-01-28	230	1~	50/60	1580	1	4.4			IP44	F	40	15.6

(0) = Stepless speed controllable via tension variation

(5) = Stepless speed controllable via electronic Commutation Unit

* = No speed control available

Sound level for inlet side $L_{WA5} = L_{WA6} - 2$ dB.Density of media **1.15 kg/m³**.

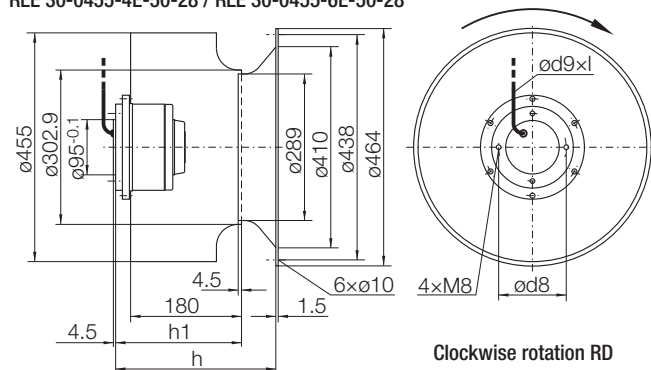
Performance curves and sound data are valid only for the motor impeller in connection with our inlet cone!

The fans must be used with the Electronic Commutation Unit EKE05.

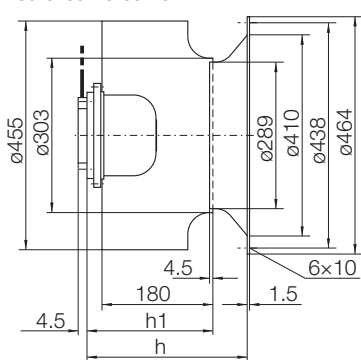
Dimensions in mm, subject to change.

RLE 30-0455-MD-50-28 / RLE 30-0455-ND-50-28

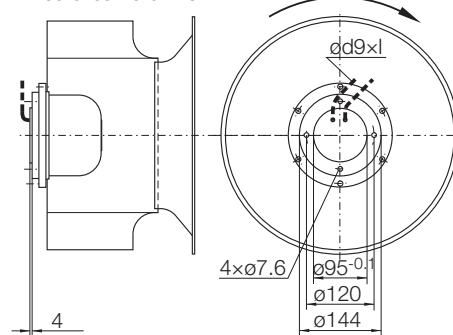
RLE 30-0455-4E-50-28 / RLE 30-0455-6E-50-28



RLE 30-0455-EC-00-28



RLE 30-0455-EC-01-28



Dimensions for fan type				Mains
RLE 30-	d8	h	h1	$\phi 9 \times l$
0455-MD-50-28	120	277	207.5	$\phi 9.6 \times 650$
0455-ND-50-28	115	275	205.5	$\phi 9.6 \times 650$
0455-4E-50-28	120	277	207.5	$\phi 8.4 \times 650$
0455-6E-50-28	115	275	205.5	$\phi 8.4 \times 650$

Dimensions for fan type				Mains	Level sensor
RLE 30-	h	h1	$\phi 9 \times l$	$\phi 9 \times l$	$\phi 9 \times l$
0455-EC-00-28	275	205.5	$\phi 7.2 \times 800$	$\phi 6.8 \times 800$	$\phi 6.8 \times 800$
0455-EC-01-28	277	207.5	$\phi 7.2 \times 800$	$\phi 6.8 \times 800$	$\phi 6.8 \times 800$

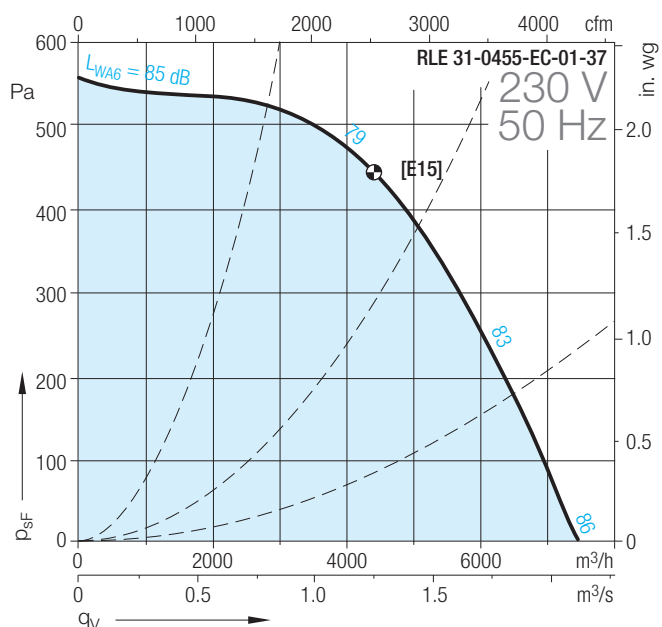
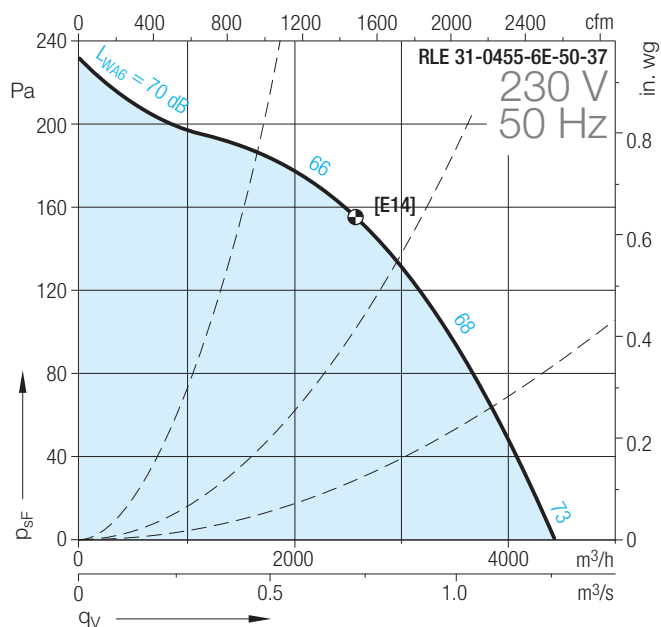
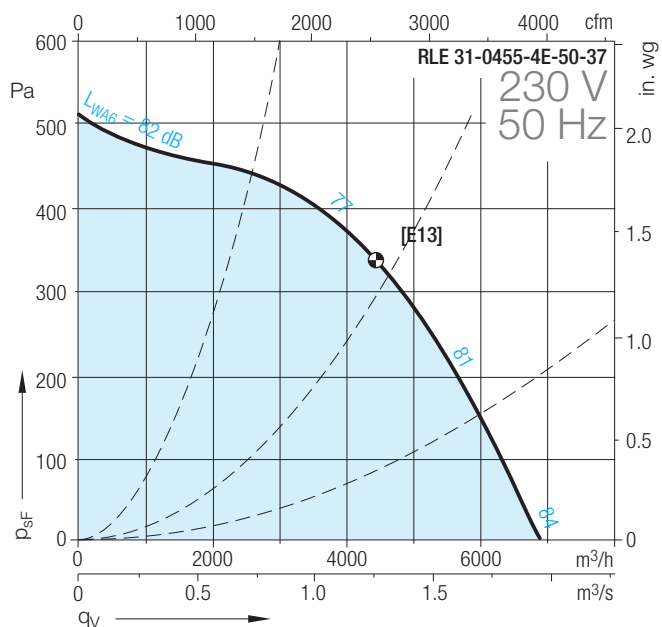
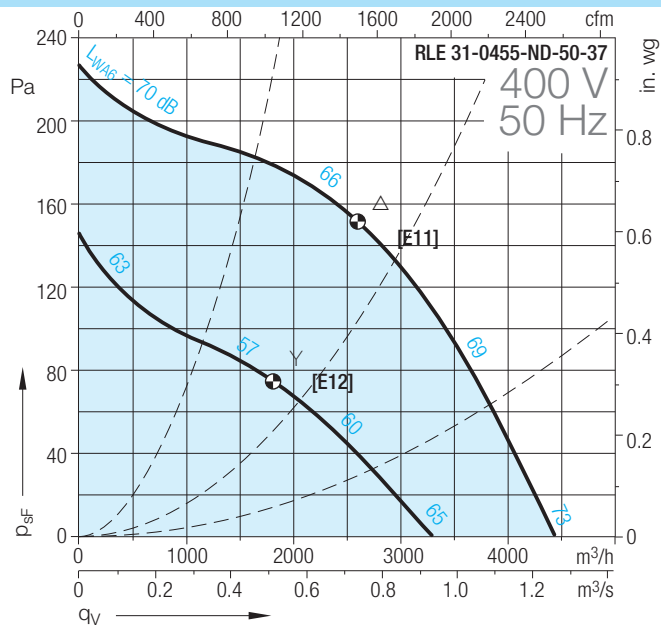
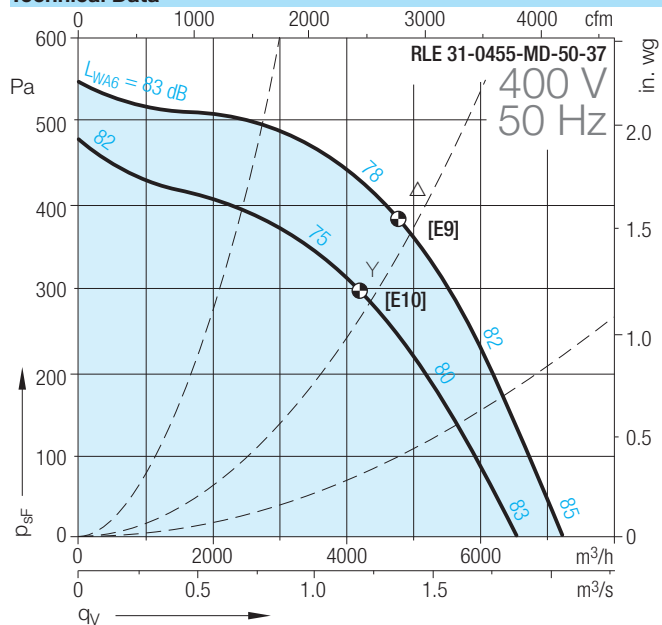
Duty Point		Relative sound power level for discharge side L_{Wrel6}									Relative sound power level for inlet side L_{Wrel5}								
N [1/min]	q_v	63	125	250	500	1000	2000	4000	8000	Hz	63	125	250	500	1000	2000	4000	8000	Hz
450...900	0.3 q_{vmax}	+8	+2	-3	-5	-4	-8	-14	-22	dB	+8	+4	0	-1	-6	-11	-19	-24	dB
450...900	0.6 q_{vmax}	+4	-2	-2	-5	-4	-7	-14	-23	dB	+5	+3	+2	-1	-8	-11	-18	-24	dB
450...900	1.0 q_{vmax}	+1	-2	-3	-5	-4	-7	-12	-23	dB	+3	+2	+1	0	-7	-11	-16	-28	dB
901...1580	0.3 q_{vmax}	+3	+1	0	-5	-4	-8	-12	-19	dB	+5	+4	+2	-1	-8	-12	-16	-22	dB
901...1580	0.6 q_{vmax}	-5	-1	-2	-5	-4	-8	-11	-17	dB	-3	+3	+2	0	-8	-12	-16	-24	dB
901...1580	1.0 q_{vmax}	-10	-1	-4	-5	-4	-8	-10	-17	dB	-7	+3	0	-1	-6	-11	-14	-20	dB



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RLE 30-	Voltage V	Phases	Frequency Hz	Speed 1/min	Max. power consumption kW	Nominal current A	Starting-/full load current (I_A/I_N)	Operating Capacitor μF	Motor protection class	Motor ther- mal class	Media Temperature max. °C	Impeller weight kg
0455-MD-50-37	400	3~	50	1420/1250	0.95/0.76	2.3/1.3	4.1		IP44	F	60	16.3
0455-ND-50-37	400	3~	50	860/600	0.3/0.17	0.67/0.32	2.2		IP44	F	60	10.7
0455-4E-50-37	230	1~	50	1330	0.95	4.4	2.1	20	IP44	F	60	16.3
0455-6E-50-37	230	1~	50	850	0.31	1.4	1.4	8	IP44	F	60	11.5
0455-EC-01-37	230	1~	50/60	1470	1.05	4.6			IP44	F	40	12

(0) = Stepless speed controllable via tension variation

(5) = Stepless speed controllable via electronic Commutation Unit

* = No speed control available

Sound level for inlet side $L_{WA5} = L_{WA6} - 2$ dB.Density of media **1.15 kg/m³**.

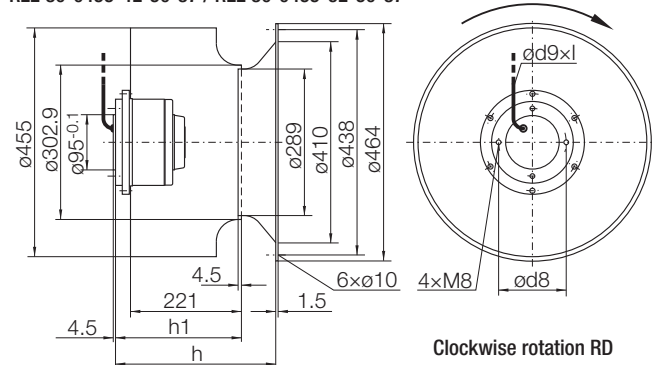
Performance curves and sound data are valid only for the motor impeller in connection with our inlet cone!

The fans must be used with the Electronic Commutation Unit EKE05.

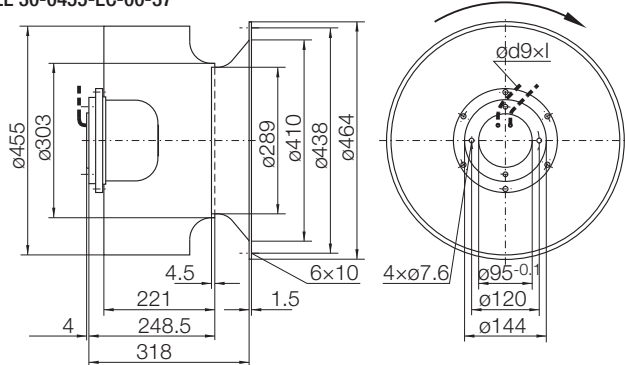
Dimensions in mm, subject to change.

RLE 30-0455-MD-50-37 / RLE 30-0455-ND-50-37

RLE 30-0455-4E-50-37 / RLE 30-0455-6E-50-37



RLE 30-0455-EC-00-37



Dimensions for fan type	d8	h	h1	Mains ød9x1
RLE 30-				
0455-MD-50-37	120	318	248.5	ø9.6x650
0455-ND-50-37	115	316	246.5	ø9.6x650
0455-4E-50-37	120	318	248.5	ø8.4x650
0455-6E-50-37	115	316	246.5	ø8.4x650

Dimensions for fan type	Mains ød9x1	Level sensor ød9x1
RLE 30-		
0455-EC-01-37	ø7.2x800	ø6.8x800

Duty Point		Relative sound power level for discharge side L_{Wrel6}									Relative sound power level for inlet side L_{Wrel5}								
N [1/min]	q_v	63	125	250	500	1000	2000	4000	8000	Hz	63	125	250	500	1000	2000	4000	8000	Hz
450...900	0.3 q_{vmax}	+8	0	-2	-5	-4	-7	-14	-22	dB	+9	+2	0	-1	-7	-11	-15	-19	dB
450...900	0.6 q_{vmax}	+7	+1	-2	-5	-4	-7	-13	-21	dB	+7	+2	+1	-1	-7	-11	-16	-23	dB
450...900	1.0 q_{vmax}	+2	-2	-3	-5	-5	-6	-12	-23	dB	+3	+2	+1	-1	-7	-10	-15	-25	dB
901...1500	0.3 q_{vmax}	+5	+1	-1	-5	-4	-7	-12	-19	dB	+7	+3	0	-1	-7	-11	-14	-20	dB
901...1500	0.6 q_{vmax}	-1	+2	-1	-5	-5	-7	-11	-17	dB	+2	+3	+1	-1	-7	-11	-14	-20	dB
901...1500	1.0 q_{vmax}	-4	-1	-4	-5	-5	-7	-11	-15	dB	-4	+1	0	-1	-7	-10	-13	-16	dB



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