

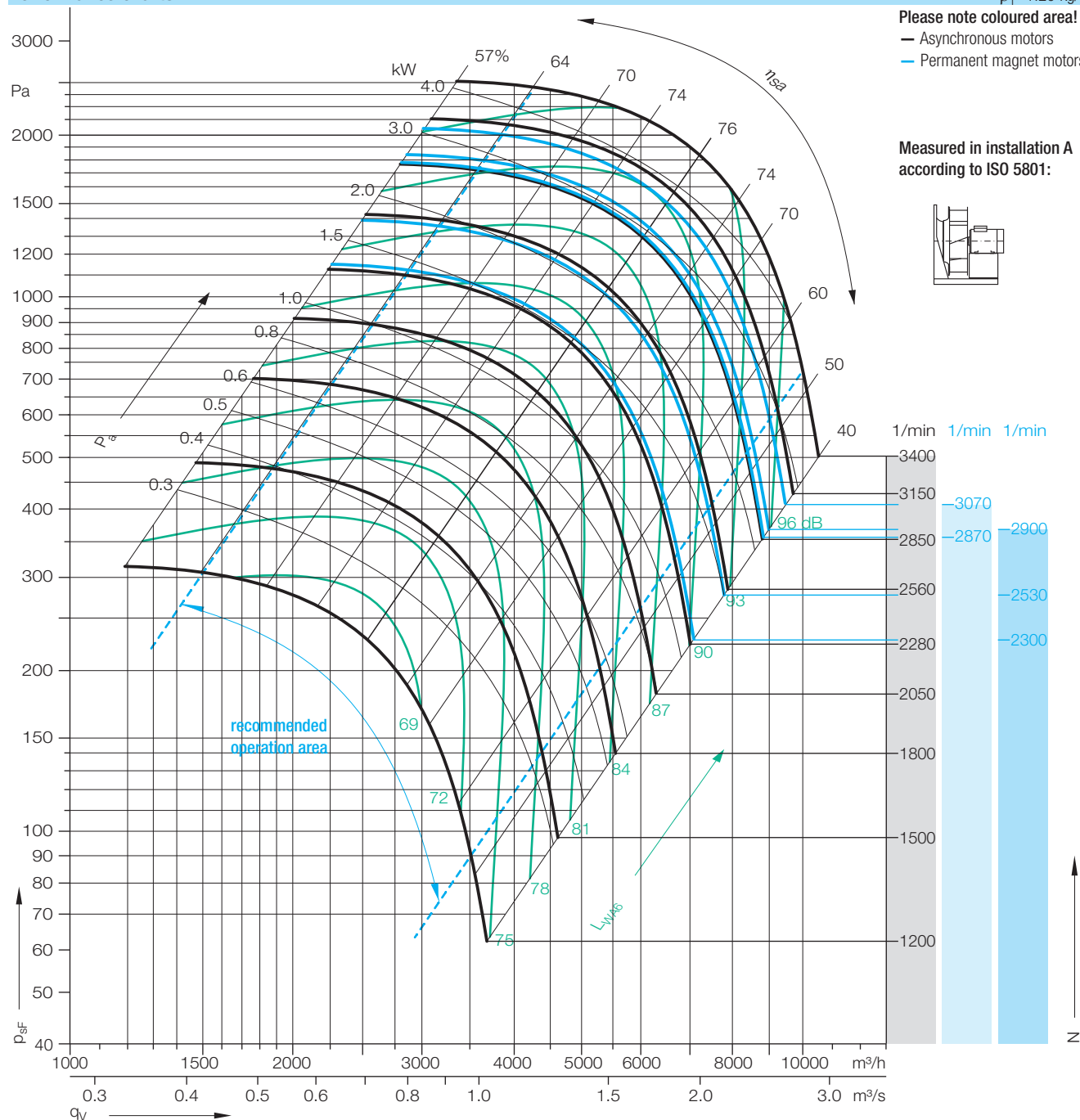
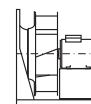
RLM E6-3540

EVOLUTION
IS IN THE AIR
RLM^{EVO}

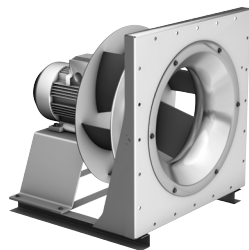
Performance charts

 $\rho_1 = 1.20 \text{ kg/m}^3$

Please note coloured area!

— Asynchronous motors
— Permanent magnet motorsMeasured in installation A
according to ISO 5801:

System efficiencies

Comparison system efficiencies η_{se} (impeller, motor, inverter)

RLM E6-3540-		η_{sa}	64	70	74	76	74	70	60	%
2W-19	3070 1/min	η_{se}	53	58	62	63	62	58	50	%
BI-H3	2870 1/min	η_{se}	57	63	66	67	66	63	54	%
BE-H5	3070 1/min	η_{se}	57	63	66	67	66	63	54	%
BI-WT	2530 1/min	η_{se}	57	63	66	68	66	63	54	%
BE-WT	2900 1/min	η_{se}	57	63	66	68	66	63	54	%

Formula symbols

 η_{se} = overall static efficiency (impeller, motor, inverter) η_{sa} = fan shaft static efficiency L_{WA6} = A-weighted sound power level at discharge P_{sh} = fan shaft powerОформить
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RLM E6-3540

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Technical Data

Fan type RLM Evo	Motor power kW (max.)	Mains voltage V	Mains frequency Hz	Nominal speed 1/min	Nominal moment Nm	Nominal current A	max. operating frequency Hz	max. speed 1/min	Motor size **	Poles	approx. weight ~kg
RLM E6-3540-2W-21	5.50	400 △	50	2950	—	10.50	57	3400	132 S	2	58
RLM E6-3540-2W-19	4.00	400 △	50	2950	—	7.80	53	3150	112 M	2	54
RLM E6-3540-4W-17	3.00	400 △	50	1455	—	6.20	97	2850	100 L	4	43
RLM E6-3540-4W-16	2.20	400 △	50	1455	—	4.65	87	2560	100 L	4	39
RLM E6-3540-4W-14	1.50	230/400	50	1440	—	5.90/3.40	79	2280	90 L	4	36
RLM E6-3540-4W-13	1.10	230/400	50	1440	—	4.40/2.55	71	2050	90 S	4	33
RLM E6-3540-4W-11	0.75	230/400	50	1400	—	3.15/1.81	64	1800	80 M	4	30
RLM E6-3540-BI-H3-L	3.00	380...480	50/60	3000	9.6	6.4...5.1	—	2870	90	—	46
RLM E6-3540-BE-H5-L	4.00	*	*	3000	12.7	8.50	—	3070	90	—	41
RLM E6-3540-BE-H3-L	3.00	*	*	3000	9.6	6.40	—	2870	90	—	39
RLM E6-3540-BI-WT-M	2.80	360...460	50/60	1900	14.0	4.00	—	2530	150/70	—	44
RLM E6-3540-BE-WT-M	2.80	*	*	1900	14.0	7.00	—	2900	150/70	—	39
RLM E6-3540-BI-QG-M	2.10	360...460	50/60	2250	9.0	3.00	—	2300	150/45	—	41
RLM E6-3540-BE-QG-M	2.10	*	*	2250	9.0	5.00	—	2300	150/45	—	36

* Motor for operation with inverter only (No mains operation).

We recommend: Danfoss VLT HVAC Drive FC-100.

Fan type code

W = Asynchronous motor according to efficiency class IE2 (High Efficiency)

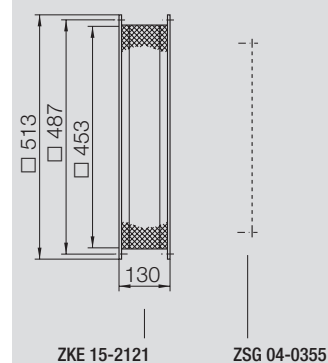
BI = Brushless DC motor with integrated control unit (efficiency class IE3 and higher)

BE = Brushless DC motor with external control unit (efficiency class IE3 and higher)

Dimensions in mm, subject to change.

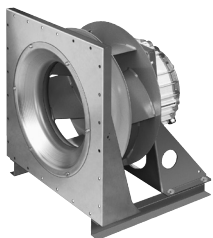


RLM E6-3540-2W-
RLM E6-3540-4W-
RLM E6-3540-BI-__-L
RLM E6-3540-BE-__-L

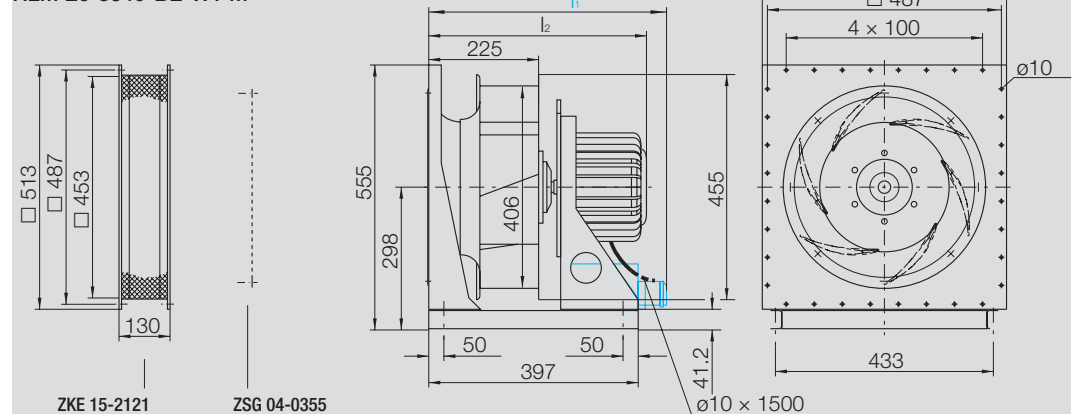


Motor **	k _{max}	w
80	526	447
90	583	478
100	639	500
112	658	507
132	706	536

Dimensions in mm, subject to change.



RLM E6-3540-BI-WT-M
RLM E6-3540-BE-WT-M



	l ₁	l ₂
BI-WT	511	-
BE-WT	-	438
BI-QG	511	-
BE-QG	-	413

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