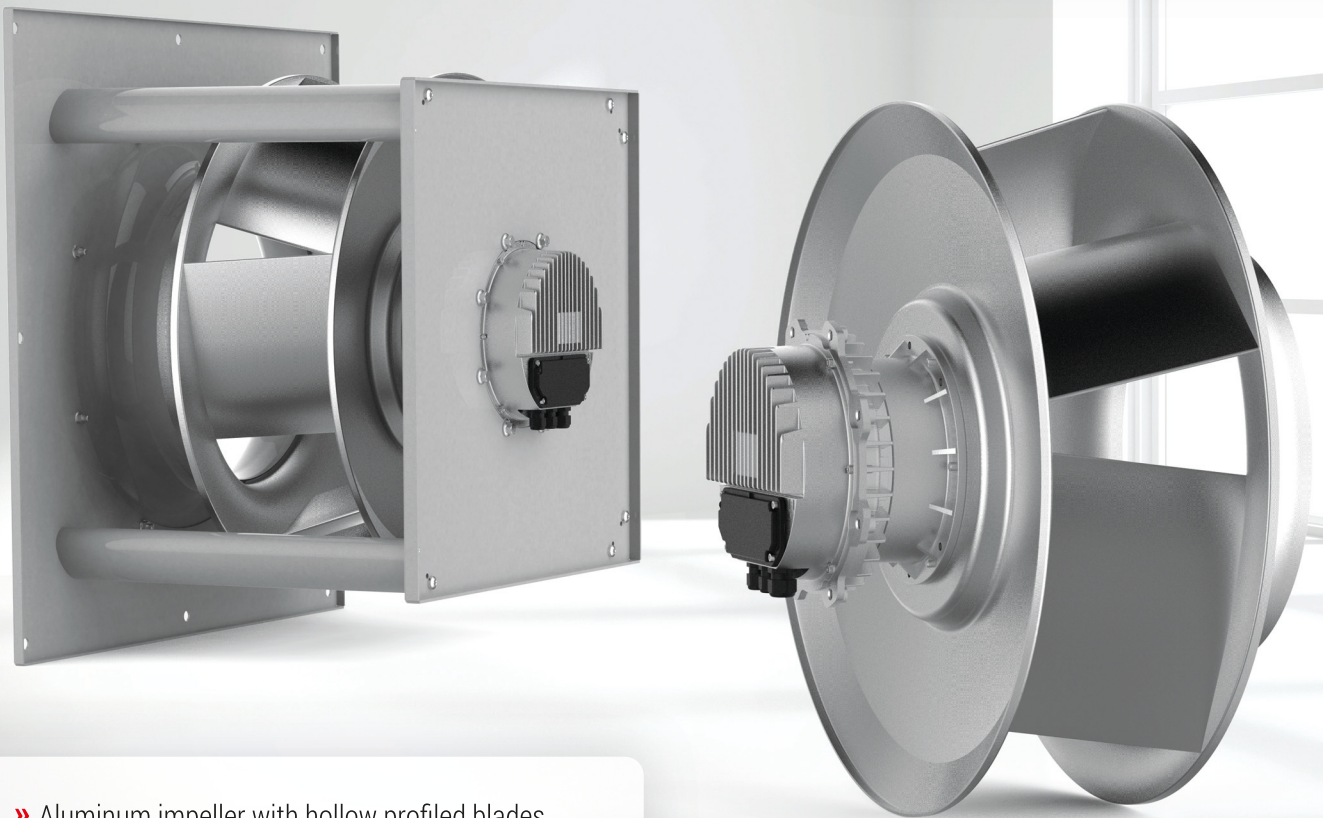


INNOVATION INNOVATION INNOVATION

The NEW I-Series

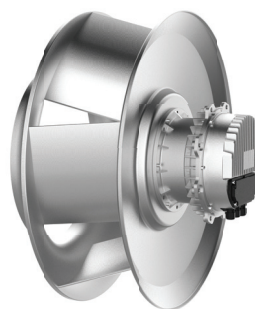


- » Aluminum impeller with hollow profiled blades
- » Flow and noise optimized
- » EC motors of the latest generation 3 / 3+

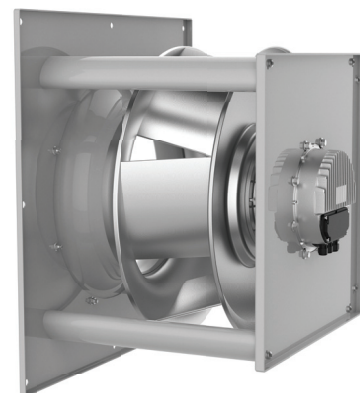
New Generation: The I-Series

The volume flow-oriented I-impeller has 5 backward curved, hollow-profiled blades made of aluminium sheet. The turbulent downstream at the trailing edge of the blades is significantly reduced by the characteristic shape. This has a particularly positive effect on the noise emissions. Furthermore, the blades are positioned diagonally and inclined outwards in the impeller, so that an optimal directing of the flow is made possible.

In summary, we can offer an innovative diagonal impeller, which in combination with highly efficient EC motors of Generation 3 (+) clearly exceeds the requirements of the market today.

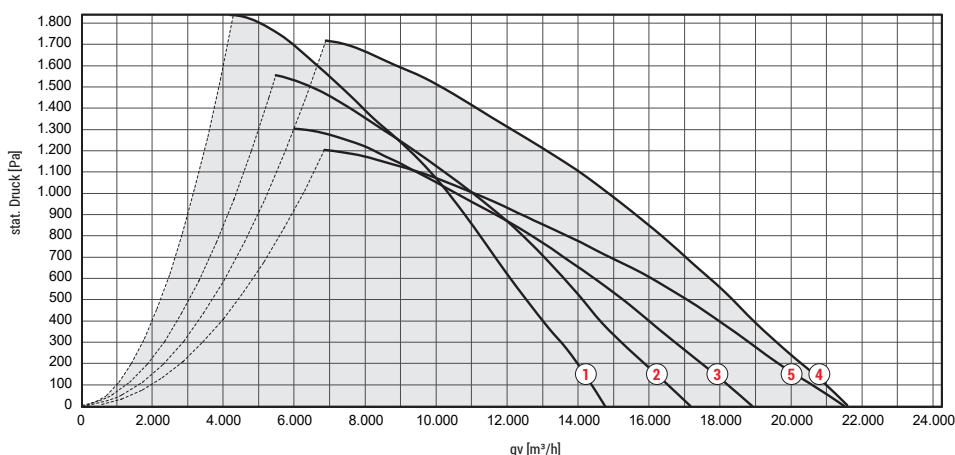


Motorized impeller: Type GKHR



Module: Type GKHM

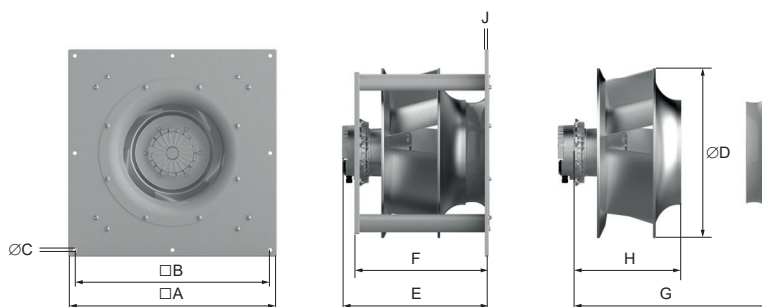
Technical Data:



Fan Type	Performance Curve	Voltage [V]	Mains Frequency [Hz]	Power Input [kW]	Rated Current [A]	Speed [min ⁻¹]	Medium Temperature [°C]	Protection Class	Sound power level ¹⁾ dB(A)	Efficiency η_{fs} ²⁾ [%]
GKH_450-CII.147.6IF IE Gen3	1)	3~380-480	50/60	4.55	6.9	2500	-25 to 40	IP54	85 / 90	68,9
GKH_500-CII.164.6IF IE Gen3	2)	3~380-480	50/60	4.57	7.0	2075	-25 to 40	IP54	82 / 88	69,2
GKH_560-CII.183.6IF Gen3	3)	3~380-480	50/60	4.40	6.9	1740	-25 to 40	IP54	80 / 86	69,9
GKH_560-CII.183.6NA IE Gen3+	4)	3~380-480	50/60	6.40	9,8	1960	-25 to 40	IP54	84 / 90	70,1
GKH_630-CII.200.6NA IE Gen3	5)	3~380-480	50/60	4.37	6.7	1515	-25 to 40	IP54	80 / 86	70,5

1) Total sound power level: Inlet side LwA(in) / Outlet side LwA(out) at $qv = 0,5 \times qv(max)$
 2) Real efficiency at the efficiency optimum of the fan, which is used for the ErP rating.

Dimensions: (all dimensions in mm)



Size	A	B	C	D	E (Gen3)	E (Gen3+)	F (Gen3)	F (Gen3+)	G (Gen3)	G (Gen3+)	H (Gen3)	H (Gen3+)	J
450	630	580	14	530	493	-	441	-	424	-	353,1	-	15
500	700	650	14	585	524	-	478	-	458,1	-	378,6	-	15
560	800	750	14	655	511	510	464	537	444	517	356	429	15
630	800	750	14	718	605	-	556	-	537,6	-	447,6	-	15