



Movement by Perfection



The Royal League in **ventilation**, control and drive technology



Product documentation

Type  
FN040-6IQ.BD.A7P1

Article number  
165607

### 1. Product specification

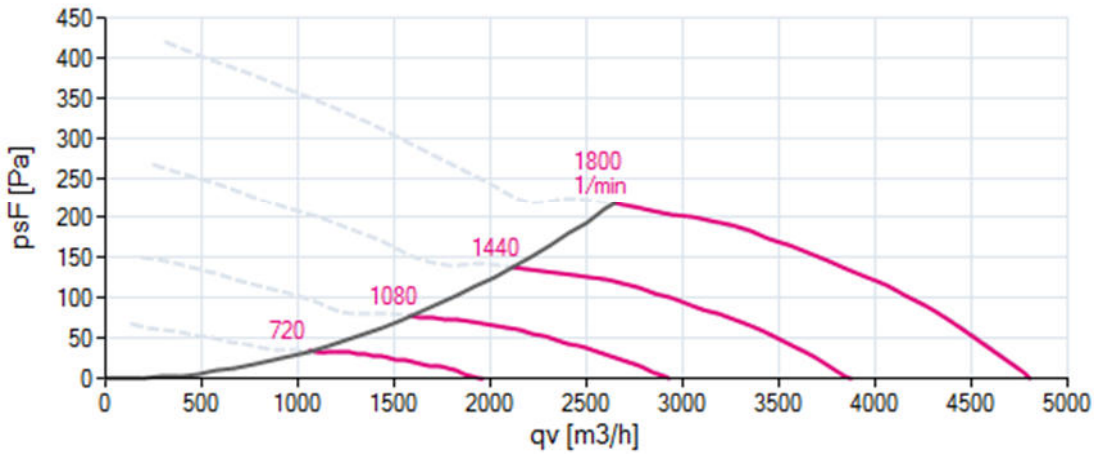
#### Technical data

<b>Article number</b>	165607
<b>Type</b>	FN040-6IQ.BD.A7P1
<b>Designation</b>	Axial fan with sickle blades
<b>Rated values</b>	1~200-277V 50/60Hz P <sub>1</sub> 420W 2.20-1.55A 1800 min <sup>-1</sup> 60 °C
<b>Electrical connection</b>	Integrated controller
<b>Min. operating temperature °C</b>	-35
<b>Type of protection</b>	IP54
<b>Thermal class</b>	THCL155
<b>Connection diagram</b>	1360-384
<b>Rating plate</b>	1x fixed
<b>Fitting position</b>	H/Vu/Vo
<b>Motor protection</b>	integrated active temperaturemanagement
<b>Quality of bearings</b>	ball bearing with long-time lubrication
<b>Material Rotor</b>	Steel
<b>Painting rotor</b>	2 coat painted
<b>colour rotor</b>	RAL 5002 (ultramarine blue)
<b>Material blades</b>	High Performance Composite Material
<b>Painting impeller</b>	unpainted
<b>Colour blades</b>	black
<b>Guard grille type</b>	ring grille
<b>Painting pipe</b>	Bell mouth powder-coated consistency class 2
<b>Colour pipe</b>	RAL 9005 (jet black)
<b>Painting mot.suspens</b>	Motor suspension powder-coated consistency class 2
<b>colour suspension</b>	RAL 9005 (jet black)
<b>Weight kg</b>	10,60
<b>ErP Data</b>	Efficiency $\eta_{statA}$ : 49.5 % Efficiency: $N_{actual} = 58.5 / N_{target} = 40^*$ *ErP 2015

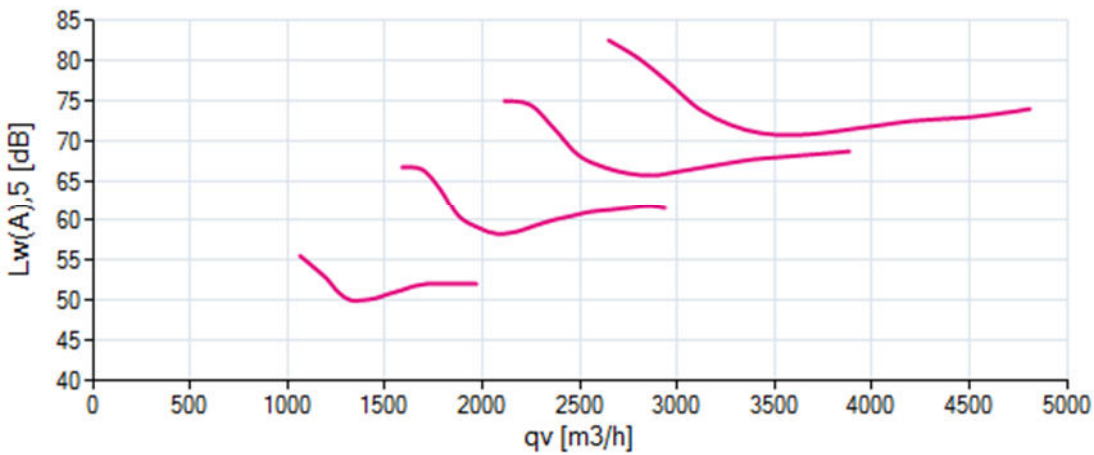


## 2. Characteristic Curve

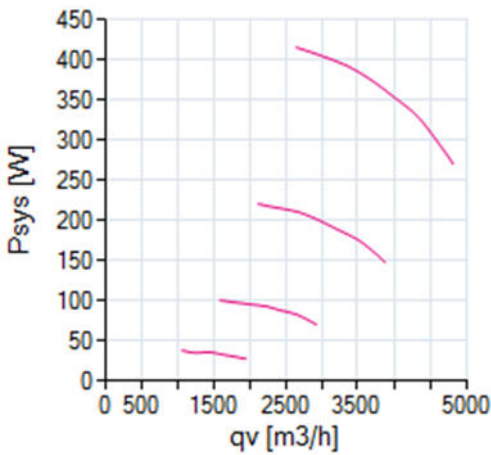
### Air performance



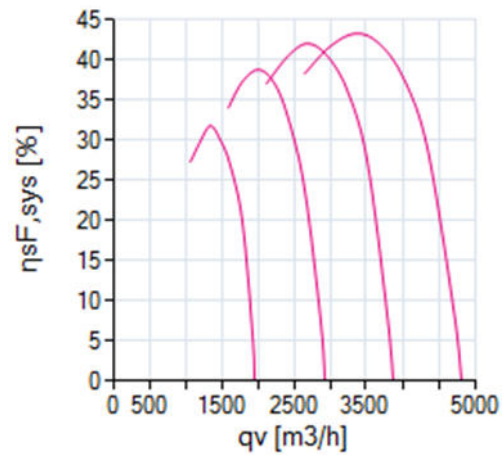
### Acoustics



### Power input



### Efficiency



měřeno v plném hrdle bez mřížky, instalace typ A podle ISO 5801





### 4. Connection diagram

1360-384



⑤ Vor Nässe und Schmutz schützen  
Keep dry and protect from dirt

00298951 / 16.11.2011

