ebmpapst

engineering a better life

iQx

Maximum Flexibility with iQx

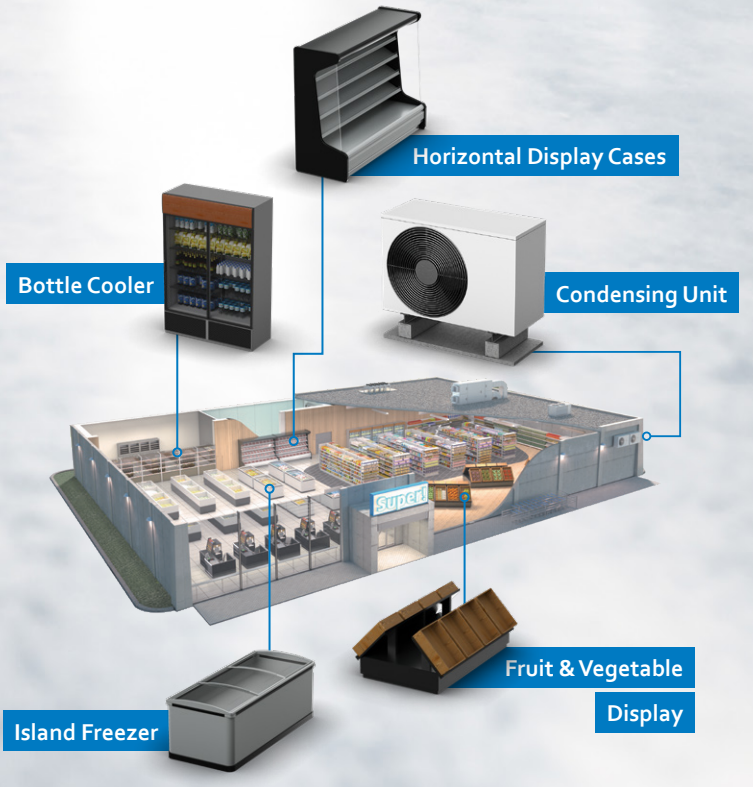
Universally applicable, efficient and durable

NEXT
EXPANDED
FLEXIBILITY
EXTREME

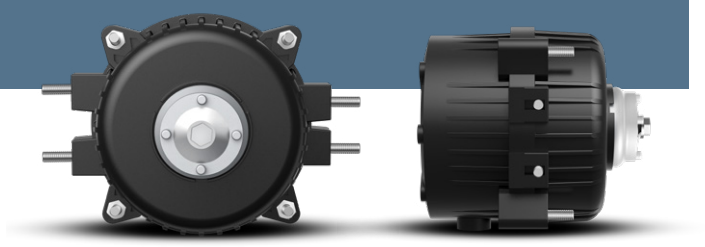
The advantages of the iQx

- Designed for global use
  – Certified with all major international approvals (UL, CSA, VDE, CCC)
- Wide input voltage range for broad application coverage: 100–240 VAC, 50/60 Hz
- Approved for use with flammable refrigerants acc. to EN 60335-2-89
- Motor efficiency up to 68%
- Proven reliability with extended service life and IP65 protection class
- Easy to retrofit with multiple installation options
- Two speed settings
- Optional ROD (Reverse on Demand) and ROS (Reverse on Start) functions

Maximum freshness, minimum energy
– iQx for supermarkets



Reliable replacement
with proven performance

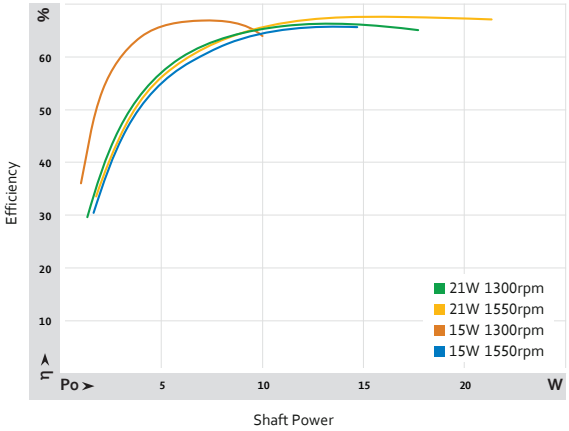


Technical data

Material No.[1]	8317088006 (15W) 8317087404 (21W)
Nominal Voltage	100~240VAC , 50/60Hz
Shaft Power	15W and 21W
Nominal Speed [2]	1,300rpm and 1,550rpm
Customer Interface	Multifunctional
Ambient Temperature	-40 ~ 50°C
Protection	IP65
Installation	Any mounting position
Standard Cable Length [3]	480mm
Lifetime	40,000hours @ 40°C
Motor Bearing	ball bearing
Approvals	UL/CSA , VDE , CCC, EN 60335-2-89

[1] More types are available on request
[2] Speed range from 900rpm to 1800rpm, one gear every 100rpm
[3] More options are available on request

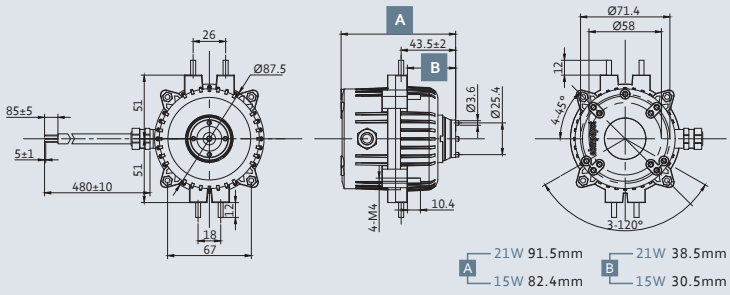
Motor efficiency overview



Efficiency

Shaft Power

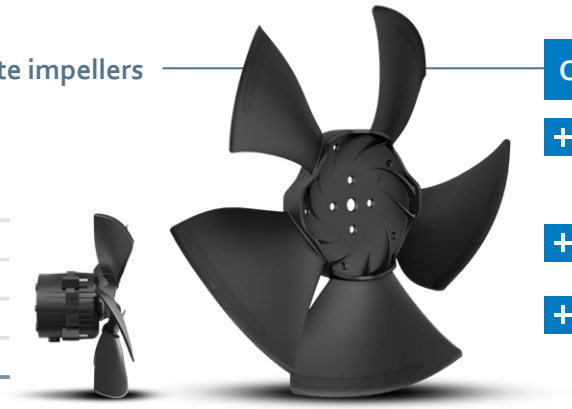
Dimensions



Overview of composite impellers

Impeller diameter Ømm	Material No.
172	8317078019
200	8317078018
230	8317078020
254	8317078021

Wall ring is available on request



Overview of advantages

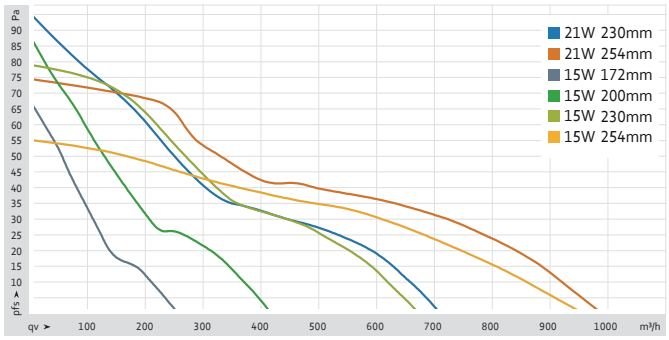
Easy replacement
– Same mechanical interface, directly replace the traditional metal impellers

Super high efficiency
– 6% higher than conventional metal impellers

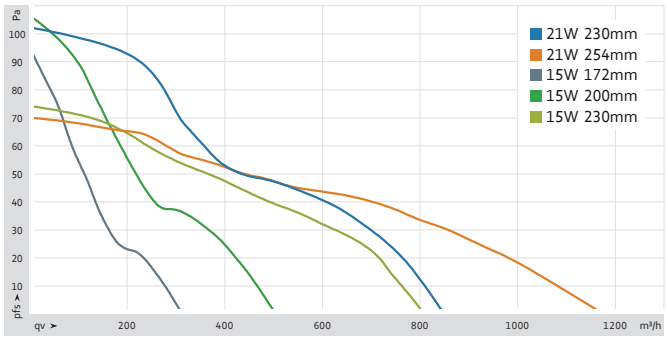
Low noise
– Excellent aerodynamic design brings quiet experience – 8dB(A) lower than metal impellers

iQx characteristic curve, 100~240VAC, 50/60Hz

1,300rpm



1,550rpm



ebm-papst Mulfingen GmbH & Co. KGaA & Co. KG
Bachmühle 2 · 74673 Mulfingen · Phone: +49 (0)7938 81-0 · Fax: +49 (0)7938 81-110 · E-Mail: info1@de.ebmpapst.com · www.ebmpapst.com