

PFP

THE COMPACT LIGHTWEIGHT

REGAL®

THE COMPACT LIGHTWEIGHT

THE ULTRA COMPACT (EC) PLUG FAN WITH BACKWARD CURVED BLADES (PFP) COMPLETES THE NICOTRA GEBHARDT LINE OF FANS.

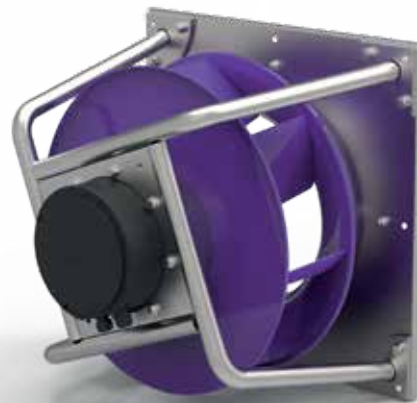
Beyond the existing plug fan range with backward curved hollow profile blades, Regal has developed an additional range of permanent magnet external-rotor motor (EC) plug fans.

The PFP, with outstanding combination of efficient drive system and aerodynamics, is the ideal solution for medium-pressure applications. The PFP range completes the offer of existing low pressure and high pressure high efficiency fan ranges RLM and RQM.

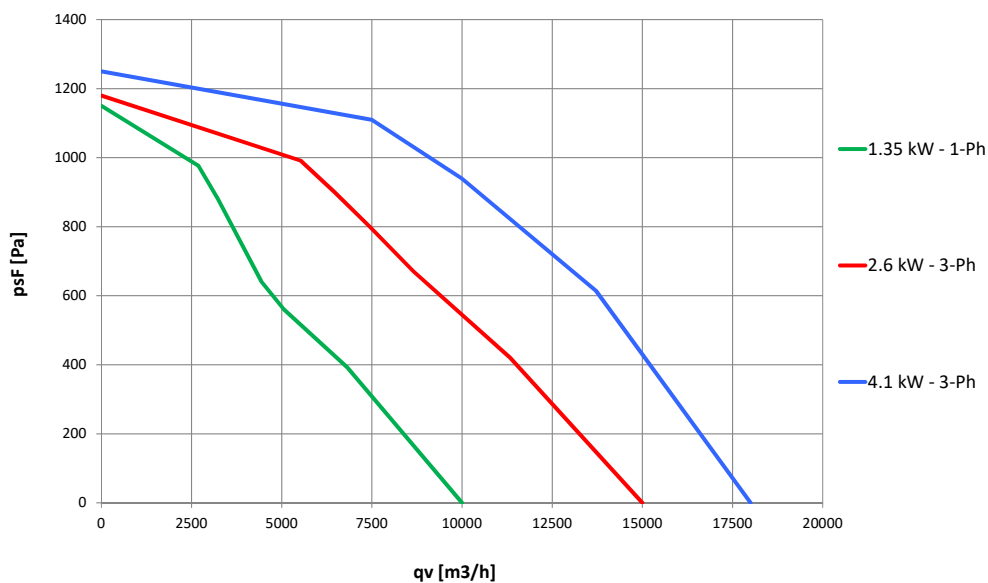
There now is a perfect solution from the Nicotra Gebhardt product range for any fan application.

THE NEW IMPELLER IS SPECIFICALLY SELECTED FOR OPTIMUM PERFORMANCE IN THE PFP APPLICATION:

- Lightweight high-efficiency aluminium impeller.
- Optimised for medium pressure applications.
- Reduced losses due to motor influence.
- Low interference loss with fan enclosure.



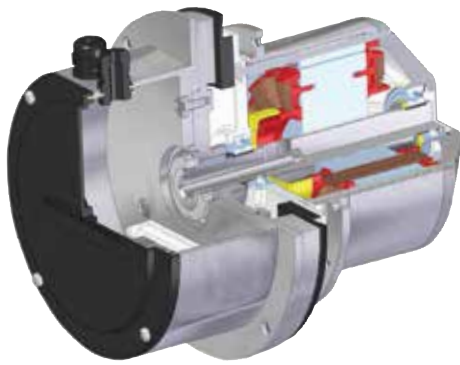
PFP RANGE - PLANNED EXPANSION OF THE PERFORMANCE ENVELOPE



THE COMPACT LIGHTWEIGHT

THE NEW MOTOR COMBINES A NUMBER OF OUTSTANDING FEATURES:

- Compact external-rotor motor.
- Efficiency in accordance with IE5.
- Aerodynamically optimised.
- High-efficiency motor with rare-earth magnets.
- Integrated controller.



THE NEW ADVANCED CONTROLLER CHARACTERISTICS:

- All single-phase models comply with EMC emission requirements for EN 61800-3 class C1; three-phase models comply with the emission requirements for class C2; both types comply with immunity requirements for class C3.
- Can operate in PID mode, adjusting fan speed to keep the measurement of a system parameter to the desired value, via 2 analogue inputs, and an external transducer.
- Operation at constant flow-rate can be achieved using the PID mode and a pressure transducer, connected with the pressure probe provided on the inlet nozzle.
- Speed control via external voltage signal.
- ModBus / RS485 serial interface.
- 10V and 24V power supply for external transducers.
- Master & slave mode, for stable operation in parallel.

PFP RANGE

Motor \ Size	280	315	355	400	450	500	560	630
1.35 kW / 1-Ph	Available							
2.6 kW / 3-Ph	Available					Pending		
4.0 kW / 3-Ph					Available			

WORLDWIDE LOCATIONS

NICOTRA-GEBHARDT.COM

AUSTRALIA

Regal Beloit Australia Pty Ltd
Melbourne Office
19 Corporate Ave (PO Box 2340)
Rowville VIC 3178
Phone 1 300 888 853
Fax +61 3 9237 4050

BELGIUM

Nicotra Gebhardt Belgique
Allée des Artisan, 18
4130 Esneux
Phone +32 (0)42288580
Fax +32 (0)42288580
E-mail info@nicotra.be

CHINA

Nicotra Gebhardt (Guangzhou) Co. Ltd. - China
88 Tai'An Road, XinQiao, ShiJi, Panyu
Guangzhou 511450
PR CHINA
Phone +86 (0)20-2293 5700
Fax +86 (0)20-2293 5701
E-mail sales@nicotra-china.com

FRANCE

Nicotra Gebhardt S.p.A.
Leader's Park Bat A1
3 chemin des Cytises
69340 Francheville
Phone +33 (0)4 72 79 01 20
Fax +33 (0)4 72 79 01 21
E-mail ngfrance@nicotra-gebhardt.com

GREAT BRITAIN

Nicotra Gebhardt Ltd - UK
Unit D, Rail Mill Way
Parkgate Business Park
Rotherham
South Yorkshire
S62 6JQ
Phone +044 01709-780760
Fax +044 01709-780762
E-mail sales@nicotra.co.uk

INDIA

Nicotra India PVT Ltd - India
Plot no 28F & 29, Sector-31, Kasna,
Greater Noida-201 308 U.P (India)
Phone +91 120 4783400
Phone +91 22 65702056 (Mumbai)
Phone +91 80 25727830 (Bangalore)
E-mail info@nicotraindia.com

MALAYSIA

REGAL BELOIT Malaysia SDN BHD
Lot 1799, Jalan Balakong
Taman Perindustrian Bukit Belimbing
43300 Seri Kembangan
Selangor
Phone +603 8961-2588
Fax +603 8961-8337
E-mail info_malaysia@nicotra-gebhardt.com

NEW ZEALAND

Regal Beloit New Zealand Limited
Auckland office
18 Jomac Place
Avondale, Auckland 1026
Phone 0800 676722
Fax +64 9 820 8504

SPAIN

Nicotra Gebhardt Espana
C/ Jamaica, 5
Apdo. Correos 5077
28806 Alcalá de Henares
Phone +34 918-846110
Fax +34 918-859450
E-mail info.es@nicotra-gebhardt.com

SINGAPORE

Nicotra Gebhardt PTE LTD
12 Tuas Loop
Singapore 637346
Phone +65 6863 3473
Fax +65 6863 3476
E-mail info_singapore@nicotra-gebhardt.com

SWEDEN

Nicotra Gebhardt A.B
Box 237
Krakatorpsgratan 30
43153 Mölndal
Phone +46 (0)311302610
E-mail info.se@nicotra-gebhardt.com

THAILAND

Nicotra Gebhardt Co LTD
6/29 Soi Suksawadi 2, Moo 4, Suksawadi Road,
Kwang Jomthong, Khet Jomthong,
Bangkok 10150
Phone +662 476-1823-6
Fax +662 476-1827
E-mail sales@nicotra.co.th

UNITED STATES

Regal Beloit Corporation
200 State St.
Beloit, WI 53511
Phone 001(608) 364-8800
E-mail info.ng.us@regalbeloit.com
Web www.regalbeloit.com

NICOTRA|Gebhardt®

Nicotra Gebhardt Germany

Nicotra Gebhardt GmbH
Gebhardtstraße 19-25
74638 Waldenburg (Germany)
Phone +49 7942 1010
Fax +49 7942 101 170
E-Mail info.ng.de@regalbeloit.com
Web www.nicotra-gebhardt.com

Nicotra Gebhardt Italy

Regal Beloit Italy S.p.A.
Via Modena, 18
24040 Zingonia (BG) (Italy)
Phone +39 035 873 111
Fax +39 035 884 319
E-mail info.ng.it@regalbeloit.com
Web www.nicotra-gebhardt.com

APPLICATION CONSIDERATIONS

The proper selection and application of products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

For a copy of our Standard Terms and Conditions of Sale, please visit <https://www.regalbeloit.com/Terms-and-Conditions-of-Sale>. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use a Regal product referred to herein, including any person who buys from a licensed distributor of these branded products.

Regal, Nicotra Gebhardt and RLM Evo are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2019 Regal Beloit Corporation, All Rights Reserved.

REGAL®