

# WORLDWIDE LOCATIONS

NICOTRA||Gebhardt®

**AUSTRALIA**  
65 Yale Drive,  
Epping, VIC 3076  
Phone +61 3 9017 5333  
Fax +61 3 8401 3969  
E-mail info@nicotra.com.au

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

**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**  
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

**GERMANY**  
Gebhardtstraße 19-25  
74638 Waldenburg  
Phone +49 (0)7942 101 0  
Fax +49 (0)7942 101 170  
E-mail info.ng.de@regalbeloit.com

**GREAT BRITAIN**  
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**  
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

**ITALY**  
Via Modena, 18  
24040 Zingonia (BG)  
Phone +39 035 873 111  
Fax +39 035 884 319  
E-mail info@nicotra-gebhardt.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**  
Nicotra Gebhardt S.p.A  
Via Modena, 18  
24040 Zingonia (BG) (Italy)  
Phone +39 035 873 111  
Fax +39 035 884 319  
E-mail info@nicotra-gebhardt.com  
Web: www.nicotra-gebhardt.com

## APPLICATION CONSIDERATIONS

The proper selection and application of power transmission 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 <http://www.regalbeloit.com> (please see link at bottom of page to "Standard 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 and Nicotra Gebhardt are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
© 2018 Regal Beloit Corporation, All Rights Reserved. MCB18066E • Form# 10236E

NICOTRA-GEHBARDT.COM



**MALAYSIA**  
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

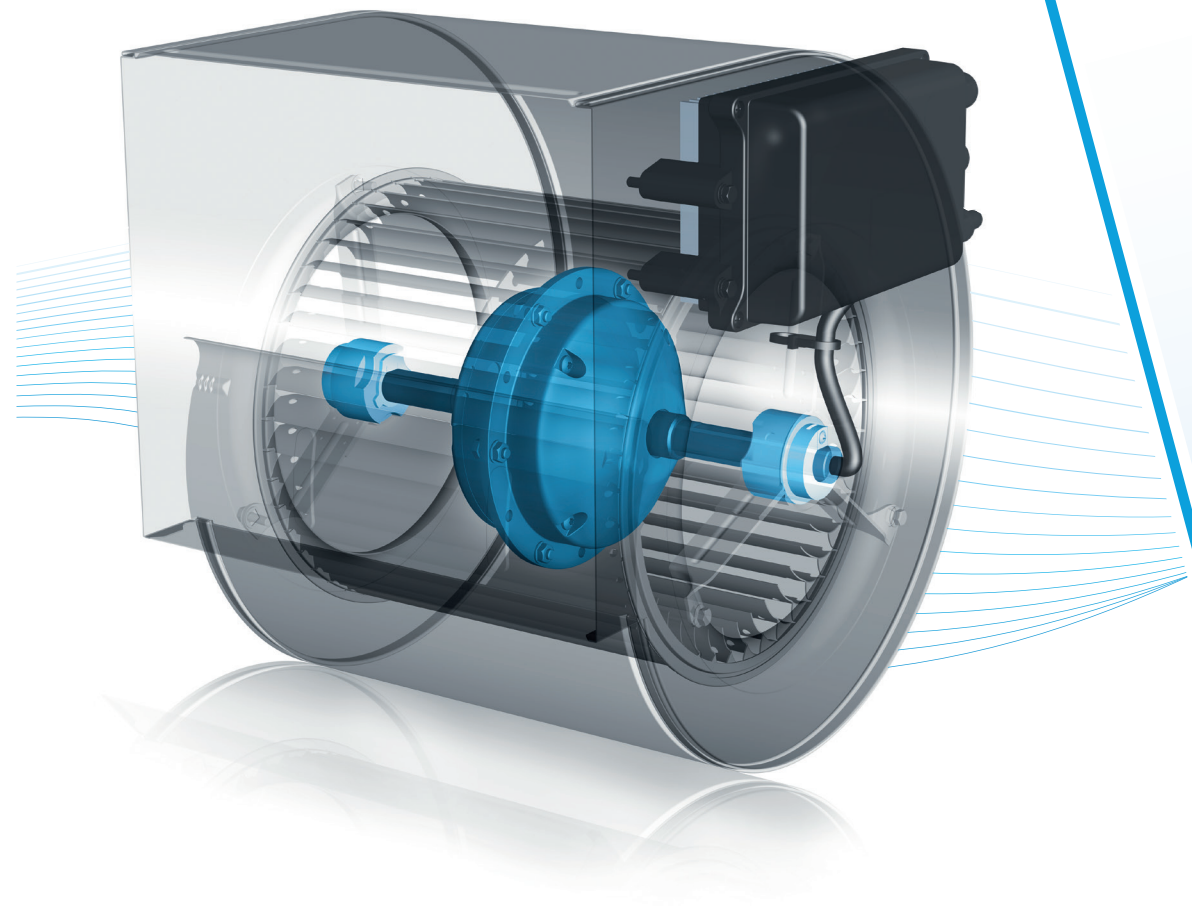
**SPAIN**  
C/ Jamaica, 5  
Apdo. Correos 5077  
28806 Alcalá de Henares  
Phone +34 918-846110  
Fax +34 918-859450  
E-mail info.es@nicotra-gebhardt.com

**SINGAPORE**  
12 Tuas Loop  
Singapore 637346  
Tel: +65 6863 3473  
Fax: +65 6863 3476  
E-mail info\_singapore@nicotra-gebhardt.com

**SWEDEN**  
Box 237  
Krakatorpsgratan 30  
43153 Mölndal  
Phone +46 (0)311302610  
E-mail info.se@nicotra-gebhardt.com

**THAILAND**  
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 (USA)**  
Regal Beloit America, Inc.  
200 State Street  
Beloit, WI 53511  
Mobile +1 608 224-9967  
E-mail drew.donahue@regalbeloit.com



## DDMP

QUIET AND COMPACT EFFICIENCY



# TIME IS MONEY

## FIT FOR ERP 2020

In terms of energy efficiency, Nicotra Gebhardt® fan customers are ahead of the times. Our new direct driven centrifugal fan DDMP performs significantly beyond the strict minimum requirements of the ErP Directive.

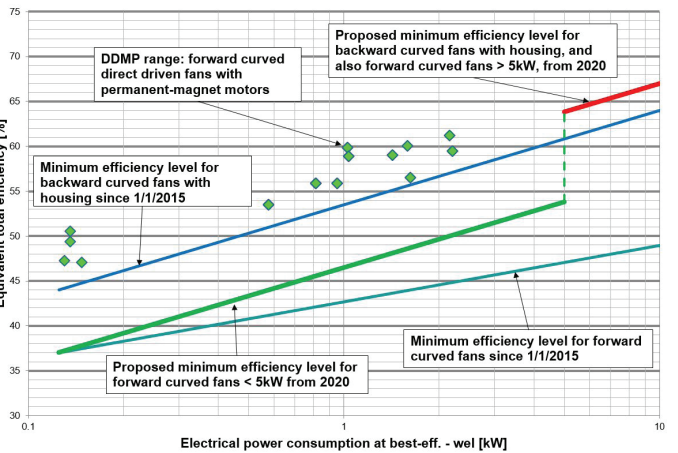
The new DDMP is driven by a particularly energy-efficient compact EC motor. These innovative motors achieve the highest efficiency and therefore cost less to operate than traditional AC motors in every application.

The EU's ErP Directive prescribes minimum levels of efficiency for fans. These minimum levels of efficiency will be steadily increased in the coming years.

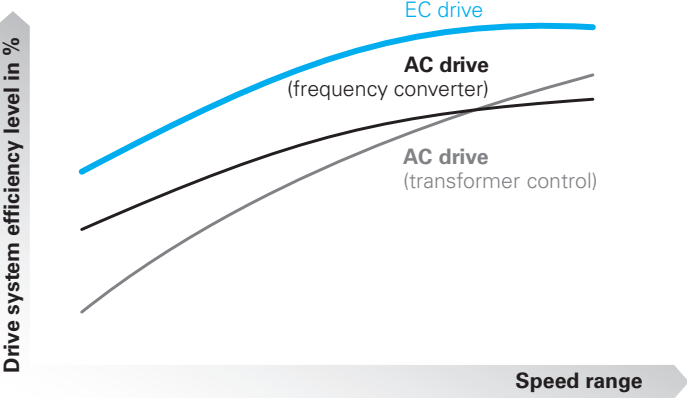
The new DDMP, with its high-efficiency EC drive system, largely exceeds both the current and any proposed future minimum efficiency requirement.



## FANS RATED ACCORDING TO THEIR PERFORMANCE IN INSTALLATION TYPE B



## COMPARISON OF THE DIFFERENT LEVELS OF EFFICIENCY

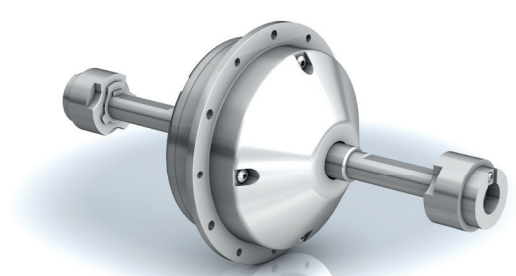
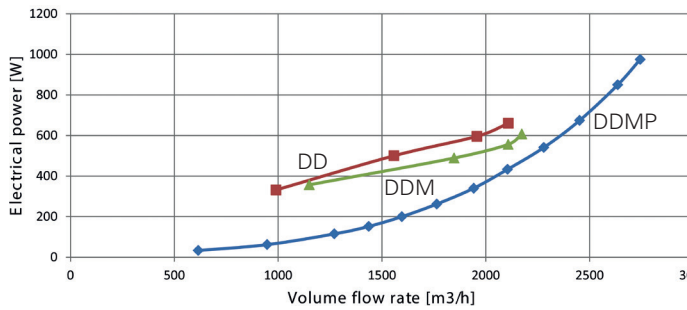


The EC motor operates without slip losses and thus consumes significantly less power than conventional AC motors.

### IMPORTANT:

This applies for all speeds, i.e. even in partial-load operation! The EC motor therefore uses less power than the AC motor under all operating conditions and has a significantly higher level of drive system (motor and control) efficiency.

## COMPARISON ENERGY CONSUMPTION DD SERIES



# WITH THE NEW DDMP YOU SAVE YEAR AFTER YEAR

## THE NEW DDMP - THE ADVANTAGES

The fundamental challenge for the development of the centrifugal fan DDMP is: how to drive fans with the lowest possible power consumption and the highest possible performance. Up to 50% of the power consumption of a fan can be saved (depending on the operating environment) by the use of EC motors.

- Compact solution
- Top rating efficiency compared to other conventional forward curved fans with scroll
- Plug and play
- No configuration needed
- Low noise level
- High reliability
- EMC performance acc. to class C1 for all 1Ph versions, to class C2 for all 3-Ph versions
- Constant volume-flow-rate mode
- Master & slave mode, for stable operation in parallel

## HIGH EFFICIENCY EC-MOTOR AND CONTROL UNIT

### Energy saving concept

- New high efficiency EC motor
- New compact and streamlined motor design
- High intensity neodymium magnets
- No obstruction of intake due to built-in control unit - reduced aerodynamic losses

### General features

- Sensorless control
- Simple installation due to plug and play
- IP 54 for complete drive
- Designed for double inlet fans

### Interface

- Analogue interface for speed control
- Full MODBUS interface compliancy

## DDMP INCH-SIZED RANGE

Motor \ Size	225/240 metric	7-7T	7-9T	7-7	7-9	8-7T	8-9T	9-7	9-9	10-8	10-10	12-9	12-12
1 kW / 1 Ph	In production												
2 kW / 1 Ph										In production			
2,6 kW / 3 Ph										In production			

## HIGH EFFICIENCY DIRECT DRIVEN CENTRIFUGAL FAN

- Sizes\*:
  - 225/240 mm
  - 7/7T to 12/12 inch
- Motor input power from 1.1 kW up to 2.6 kW
- Air volume up to 6000 m³/h
- Integrated electronics

\*Smaller sizes with 200 W EC motor and small-power drive system are available upon request.

