

Operating Instructions RV 1.3233/10



Safety Regulations



Please comply with Accident Prevention Regulations VBG 16 Compressors, in particular Section IIIc "Installation" and IV "Operation" and VBG 4 "Electrical Installations and Equipment". Alterations to the radial compressors may be effected only after agreement by the factory.

Transport and storage

Store radial compressors in a dry place and protect against condensate through water vapour. Transport in usage position with secure stand on the equipment foot. To be lifted with belts only.

Installation

It is recommended to install the radial compressor with easy access for maintenance. Clearance between compressors and adjacent walls should be no less than 10 cm of free space in order to ensure sufficient air flow for cooling. Contact Gebr. Becker prior to installation under noise insulation canopies. Ambient temperatures must not exceed 45°C.

Assembly

Ensure clean pipelines. Keep connections free from oil, grease, water and other contaminants.

Motor connection

Observe separate instructions for frequency converter. Connect the radial compressor to the electricity supply observing all applicable safety regulations.

Connect motor based on connecting diagram. This work should be carried out by an experienced electrician only.

Attention: Do not insert your hand into the suction hole and do not touch the rotating rotor.



Briefly start motor and check rotation: counterclockwise with view on the motor. Exchange phases of motor fan if rotation is incorrect.

Commissioning

The lines must be elastic to avoid mechanical stress on the radial compressor.

Loud swinging sounds in the pressure line indicate insufficient of air. Adjust machine to take-off more air or bleed-off air via an additional tap.

Maintenance

Regular maintenance of your radial compressor will yield the best results. Maintenance intervals will depend on use and operating conditions.



Before carrying out any maintenance, disconnect motor from mains and reliably prevent unintentional restarting. Maintenance instructions of the system manufacturer must be complied with.



Blow out contaminations at the surfaces and the motor fan using compressed air.



Vakuumpumpen • Verdichter
Vacuum pumps • Compressors

Gebr. Becker GmbH • Postfach 29023 • D-42279 Wuppertal

EC Declaration of Conformity (EC Directive 98/37/EC)

The manufacturer: Gebr. Becker GmbH
Hölder Feld 29-31
D-42279 Wuppertal

hereby declares that the machines from series: **RV 33
RV 1.3230 - RV 1.3233**

- conform to the pertinent provisions of EC Machine Directive 98/37/EC,
- conform to the pertinent provisions of the following further EC Directives as amended at the time of declaration.

Low Voltage Directive (73/23/EEC + 93/68/EEC)
EMC Directive (89/336/EEC + 91/263/EEC + 92/31/EEC + 93/68/EEC)

In particular, the following harmonised standards were applied:

EN ISO 1012-1	Safety requirements - compressors
EN ISO 1012-2	Safety requirements - vacuum pumps
EN 60 204-1	Electrical equipment of machines
EN 61 000-6-2	EMC, Generic standard - Immunity for industrial environments
EN 61 000-6-4	EMC, Generic standard - Emission standard for industrial environments

Gebr. Becker GmbH
Wuppertal, 01. July 2005

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Geschäftsjahr: Martin Becker MA MBA, 1960 Wilsdorfstr., Dr.-Ing. Detl. W. Ing. Christof Soest, Dipl.-Ing. Gerdert Krieger
Händlerregister Wuppertal HRB 190229 • USt-IdNr: DE 814448516 • Steuer-Nr. 131/7902/0015

Tabelle-Table-Tableau-Tabella-Tabla

RV1.3233/10 RV1.3233/10-04

Anschlußleitung bis 2m / 2m bis 10m..... 180.....150

Pipework up to 2m / 2m up to 10m
 Tuyauterie jusqu'à 2m / de 2m jusqu'à 10m
 Tubazione fino a 2m / da 2m fino a 10m
 Tubo de conexión hasta 2m / de 2 a 10m

Volumenstrom bei +240 mbar [m³/h] 400-1800

Air flow at +240 mbar [m³/h]
 Débit d'air à +240 mbar [m³/h]
 Capacità aria a +240 mbar [m³/h]
 Caudal volumétrico de aire con +240 mbar [m³/h]

Länge [mm]/Breite [mm] 512/679-818.....518/679-818

Length [mm]/Width [mm]
 Longueur [mm]/Largeur [mm]
 Lunghezza [mm]/Larghezza [mm]
 Longitud [mm]/Ancho [mm]

Höhe [mm]594-767

Height [mm]
 Hauteur [mm]
 Altezza [mm]
 Altura [mm]

Gewicht mit Motor [kg]..... 45.....45

Weight incl. motor [kg]
 Poids avec moteur [kg]
 Peso con motore [kg]
 Peso con motor [kg]

Schalldruckpegel [db(A)] 85.....85

Acoustic pressure level [db(A)]
 Niveau de pression acoustique [db(A)]
 Livello di pressione acustica [db(A)]
 Nivel de presión acústica [db(A)]

Technische Änderungen vorbehalten

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 Sous réserve des modifications
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