



D.C. MOTORS FOR INDUSTRIAL APPLICATIONS

RP SERIES

FRAMES 200 – 355

FROM 70 TO 850 kW (1000 RPM)

FROM 710 TO 9150 Nm

TECHNICAL CATALOGUE



LIST OF CONTENTS**INTRODUCTION****A. GENERAL DESCRIPTION**

- 1 Manufacturer's liabilities
- 2 Validity of the catalogue
- 3 Reserved property
- 4 Warranty
- 5 Motors and generators
- 6 Clockwise and counter-clockwise rotation
- 7 Reference Standards
- 8 CSA Certification
- 9 Approvals and certifications
- 10 Declaration of conformity

B. CONSTRUCTIONAL FEATURES

- 1 Bearings
- 2 Forms of constructions and mounting arrangements IM
- 3 Environment
- 4 Cooling methods IC and degrees of protection IP
- 5 Heat exchangers
- 6 Balancing and vibrations
- 7 Noise level
- 8 Main terminal box
- 9 Painting of finished products
- 10 Main data plate
- 11 Options and accessories

C. COMPANY QUALITY SYSTEM, TESTS, CONTROLS, INSPECTIONS

- 1 Quality control dept.
- 2 Routine tests
- 3 Type tests
- 4 Special tests
- 5 Witnessed tests

D. PERFORMANCE DATA

- 01 Overload capacity
- 02 Standstill
- 03 Current gradient
- 04 Derating coefficient

E. COMMERCIAL INFORMATION

- 1 Offers
- 2 General terms of supply
- 3 Guide-sheet for requests for quotations and orders transmission

Output data**Performance tables****Dimension drawings**



CERTIFICATE

IQNet and its partner
CISQ/IMQ-CSQ
hereby certify that the organization

SICME MOTORI SRL

STRADA DEL FRANCESE 130 - 10156 TORINO (TO)

for the following field of activities

Design, engineering, production and sale of direct current motors and generators:

alternate current, permanent magnets synchronous, reluctance

Refer to quality manual for details of applications to ISO 9001:2008 requirements

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2008

Issued on: 2014 - 07 - 22

Expiry date: 2017 - 07 - 22

Registration Number: **IT - 1088**

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Michael Drechsel

President of IQNET

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Ing. Claudio Provetti,

President of CISQ

A. GENERAL DESCRIPTION

This catalogue gives the main technical information about D.C. motors for industrial applications RP Series, frames 200-225-250-280-315-355.

Motors described in this catalogue are fully laminated, with 4 poles, with compensating windings. Frames 225 and 250 are also available without compensating windings.

Designation of the motors (example)

RP	:	Motor series
280	:	Shaft height (mm)
K	:	Compensating windings (N: not compensating windings)
M	:	Core length
6	:	Selection code for length definition
PVA	:	Type of cooling
B3	:	Mounting arrangement

A.01 Manufacturer's liabilities

SICMEMOTORI is subject to assumption of liability for damages to persons or things attributed to the manufacturer by the Italian law DPR 224 dated 24/05/1988 (which has incorporated EEC Directive 85/374) and any subsequent amendments, provided that these are known and in force at the time of order, with the proviso that all SICMEMOTORI products are designed solely for installation and use in an industrial environment by sufficiently experienced personnel (to be instructed by the Customer, with the co-operation of SICMEMOTORI, if required), which is informed of the problems and dangers inherent in the use of rotating electric machines for voltages up to 1000 V. Furthermore, SICMEMOTORI responsibility shall lapse in the event of failure to adhere to the contents of the INSTRUCTIONS FOR INSTALLATION, USE AND MAINTENANCE, which must always be made available to the personnel concerned. Lastly, SICMEMOTORI shall not be held responsible if any of its products are tampered with for repair or any other reason, by third parties which have not been explicitly authorised

A.02 Validity of the catalogue

Information given in this catalogue is of a purely indicative nature and may be changed without prior notice. SICMEMOTORI shall not be held responsible if the products illustrated herein are used outside the limits of the specifications given.

A.03 Reserved property

This document and its contents are the sole property of SICMEMOTORI. They may not be reproduced either wholly or in part, nor shown, referred to or in any way transmitted to other persons without express permission in writing from SICMEMOTORI.

A.04 Warranty

All the products described herein are warranted according to our General Terms of Supply given under F.02. The duration of the warranty is one year from the date of delivery or of notice that goods are ready, unless otherwise agreed between the Customer and SICMEMOTORI. **Warranty and sales support are regulated by instructions given by our ISO9001-2000 Quality System.**

A.05 Motors and generators

All RP machines can in general be used both as motors and as d.c. generators. Performance ratings given in the technical catalogues refer to use as variable speed motors connected to three-phase, fully-controlled bridge (6 or 12 thyristors) or, for frames 80-112 only, to single-phase bridge also.

The performance ratings concerning use as generator will be given upon request.

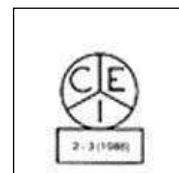
A.06 Clockwise and counter-clockwise rotation

All RP machines are suitable for either clockwise or counter-clockwise rotation without adjustment (as the brushes are radial), and they are generally tuned in the Test Room for this operating condition. In special cases, when the direction of rotation is defined, upon request, Test Room tuning may be carried out for one direction only, which will be indicated by a special plate on the DE (Drive End) shield.

A.07 Reference Standards

All RP machines meet the Standards of the International Electrotechnical Commission (IEC 60034-1):

IEC	CEI	Title
60034-1	EN 60034-1	Rating and performances
60034-2	EN 60034-2	Methods for determining losses and efficiency
60034-5	EN 60034-5	Classification of the degrees of protection
60034-6	EN 60034-6	Methods of cooling (IC code)
60034-7	EN 60034-7	Type of construction and mounting arrangements (IM code)
60034-8	EN 60034-8	Terminal markings and direction of rotation
34-9	EN 60034-9	Noise limits
60034-14	EN 60034-14	Mechanical vibrations of rotating machines
72-1	72-1	Dimensions and output series for rotating machines
1293	16-8	Markings of electrical devices
UNI ISO 2768/1-2		General tolerances
UNI 9321		Shaft end
73/23/EEC		Low voltage directive
EMC 2014/30/EU		Electromagnetic compatibility directive
98/37/CE		Machine directive

**WARNING**

Motors and electrical devices feeding them are electrical components installed on machines and industrial systems subject to high voltage. During operation, these components can be dangerous since they are live and have non-insulated and rotating parts. Therefore, they can be extremely harmful to personnel and objects if the instructions for the installation, the use and the maintenance are not respected. Motors are always supplied complete with the installation, use and maintenance instruction manual. It is necessary to read and understand all the information contained before proceeding to connect and to start up the installation. If the above mentioned documentation is lacking, please request a copy to Sicme Motori Srl

RP motors power ratings are valid according to the International Standards listed below.

Belgium	BN C 51-101
France	NF C 51-111
Germany	VDE 0530 teil 1
Great Britain	BS 4999
ITALY	CEI EN 60034-1
Norway	NEN 41.69
Holland	NEN 3173
Spain	UNE 20.106-20.111
Sweden	SEN 260.101
Switzerland	SEV 3009

Machines according to other International Standards are available on request.

A.08 CSA Certification

All RP machines have been approved and certified as meeting the Standards of the Canadian Standards Association, and they are therefore allowed to bear the CSA brand. The certification number is LR77401.

**A.09 Approvals and Certifications**

All RP machines may be built and certified according to RINA, BUREAU VERITAS, DET NORSKE VERITAS, GERMANISCHER LLOYD, LLOYD'S REGISTER OF SHIPPING, AMERICAN BUREAU OF SHIPPING, CENELEC EN 50014-50016 Standards for EExp pressurised flameproof machines, etc.

A.10 Declaration of conformity

All RP machines satisfy the essential requisites of the following Directives:

- 2014/35/EU Low Voltage Directive
- 2011/65/EU RoHS2 Directive



Reference has also been made to the following directives, specifically for the reasons listed as follows:

- EMC 2014/30/EU (Electromagnetic Compatibility) Directive
- 2006/42/CE Machinery Directive



The electric motors/generators are components that are incorporated into other machines, systems and plants and therefore the resulting EMC behaviour is under the responsibility of the Manufacturer of the machine or plant incorporating the motor/generator.

With reference to the 2006/42/EC Directive, it must be specified that the motors/generators must be installed in compliance with the installation instructions and cannot be put into service until the machine in which they are incorporated has been declared in compliance with the 2006/42/EC Machinery Directive



B. CONSTRUCTIONAL FEATURES

IEC 60034-1/A1-A2 Standards - CSA Standards available
 Fully laminated frame
 Insulation class H
 4 poles
 Compensating windings
 Frames 225 and 250 available also without compensating windings
 Balancing N degree (ISO2373) with half key
 Twin brushes
 Constant pressure brush-holders
 Terminal box RHS viewed from DE
 DE roller grease lubricated bearings
 NDE ball grease lubricated bearings
 TIG welding from winding to commutator
 Vacuum impregnation with resin without solvent
 Top quality materials

B.01 Bearings

Bearings normally specified for the machines in this catalogue are rolling bearings, ball or roller. All bearings are oversized clearance C3.
 DE ball bearings are available for direct coupling without radial load.

Frame 200

Standard arrangement uses ball bearings on both DE and NDE, grease lubricated, with ball nipple and drainage of used grease, single shield (Z type).

DE roller bearings are available for coupling with pulley and belt with high radial load.

Frames 225-355

Standard arrangement uses ball bearing on NDE and roller bearing on DE, grease lubricated, with ball nipple and drainage of used grease

The recommended lubrication intervals and the amount of grease to be used are given on the data plate. To define the lubrication programme, complete grease changing and changing the bearings, strict compliance with the Instructions for Installation, Use and Maintenance is necessary.

Bearings allow a radial and/or axial load in relation to the speed of rotation, type of load and theoretical life calculated on the basis of statistic data made available by the bearing manufacturers. In case of radial and/or axial loads, please ask SICMEMOTORI: table b.01 shows the standard ones.

Motor size	DE bearing			NDE bearing		
	Type	SICMEMOTORI code	Type	SICMEMOTORI code		
RP200	Ball	6314-Z-C3	8.3.09.18.070.0	Ball	6314-Z-C3	8.3.09.18.070.0
RP225	Roller	NU2218-C3	8.3.09.75.090.0	Ball	6315-C3	8.3.09.17.075.0
RP250	Roller	NU2220-C3	8.3.09.75.100.0	Ball	6318-C3	8.3.09.17.090.0
RP280	Roller	NU2220-C3	8.3.09.75.100.0	Ball	6318-C3	8.3.09.17.090.0
RP315	Roller	NU321-C3	8.3.09.63.105.0	Ball	6321-C3	8.3.09.17.105.0
RP355	Roller	NU324-C3	8.3.09.63.120.0	Ball	6324-C3	8.3.09.17.120.0

Table b. 01

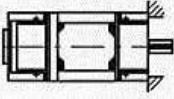
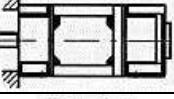
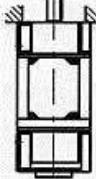
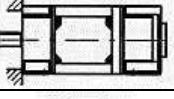
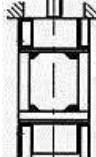
B.02 Forms of constructions and mounting arrangements IM

Most of form of construction and mounting IM described in IEC Standards 60034-7 are available; table b.02 shows the most common ones.

For other forms of construction, please ask SICMEMOTORI.

Second shaft end is also available on request (in this case the last number is 2: example IM1002).

IM	Description	200	225 250	280 315	355
1001 (B3) (1)	Horizontal shaft, foot mounting. Ground fastening		S	S	S
1011 (V5) (1)	Vertical shaft, with foot. Wall fastening. Shaft below		S	S	O
1031 (V6) (1)	Vertical shaft, with foot. Wall fastening. Shaft above		S	S	O
1051 (B6) (1)	Horizontal shaft, foot mounting. Wall fastening at the left		S	S	S
1061 (B7) (1)	Horizontal shaft, foot mounting. Wall fastening at the right		S	S	S
1071 (B8) (1)	Horizontal shaft, foot mounting. Ceiling fastening		S	S	S
2001 (B35) (2)	Horizontal shaft, foot and flange with through holes. Feet fastened to ground		S	S	S
2011 (V15) (2)	Vertical shaft, foot and flange with through holes. Feet fastened to wall. Shaft below		S	S	O
2031 (V36) (2)	Vertical shaft, foot and flange with through holes. Feet fastened to wall. Shaft above		S	S	O
2051 (B65)	Horizontal shaft, foot and flange with through holes. Feet fastened to wall at the left		S	S	S
2061 (B75) (2)	Horizontal shaft, foot and flange with through holes. Feet fastened to wall at the right		S	S	S
2071 (B85) (2)	Horizontal shaft, foot and flange with through holes. Feet fastened to ceiling		S	S	S
2101 (B34) (2)	Horizontal shaft, foot and flange with threaded holes. Feet fastened to ground		S	S	O

2151 (B64) (2)	Horizontal shaft, foot and flange with threaded holes. Feet fastened to wall at the left		S	S	S	O
2161 (B74) (2)	Horizontal shaft, foot and flange with threaded holes. Feet fastened to wall at the right		S	S	S	O
2171 (B84) (2)	Horizontal shaft, foot and flange with threaded holes. Feet fastened to the ceiling		S	S	S	O
3001 (B5) (3)	Horizontal shaft with flange with through holes		O	O	O	O
3011 (V1) (3)	Vertical shaft with flange with through holes. Shaft below		O	O	O	O
3031 (V3) (3)	Vertical shaft with flange with through holes. Shaft above		S	O	O	O
3601 (B14) (3)	Horizontal shaft with flange with threaded holes		O	O	O	O
3611 (V18) (3)	Vertical shaft with flange with threaded holes. Shaft below		S	O	O	O
3631 (V19) (3)	Vertical shaft with flange with threaded holes. Shaft above		S	O	O	O

- (1): Motors with feet
 (2): Motors with feet and flange
 (3): Motors with flange
 S: Standard
 O: Option available on request

Table b.02

B.03 Environment

For standardisation it is assumed that the environment in which our machines are installed is benign, thus:

dry, i.e. with relative humidity of the air below 75%. However an excessively dry atmosphere (below 20% relative humidity) can cause commutating difficulty (excessive brush wear).

clean, i.e. without appreciable quantities of dust and dirt in general, suspended in the air.

free of chemical agents, i.e. without concentrations of gas or vapours that could chemically harm the copper, iron, aluminium, paints and insulation.

Our machines can also be installed in difficult environments (damp, dusty, chemically harmful, etc.) but in this case the degree of protection, method of cooling and possibly the choice of materials must be agreed upon previously.

All RP machines may be installed in environments with temperature down to -15°C and stored in environments with temperature down to -30°C. For lower temperatures, please ask SICMEMOTORI.

B.04 Cooling methods IC and degrees of protection IP

RP motors can be supplied with various IC cooling methods (according to IEC Std. 34-6), with the corresponding IP degrees of protection (according to IEC Std. 60034-5). The different versions are distinguished by a special SICMEMOTORI code, to which reference should be made also for calculating the price, bearing in mind that as far as the price is concerned:

- BPVA and BPVAB are the same as PVA
- BCA is the same as CBA

In addition to the catalogue versions, illustrated in table b.04, other versions (with different cooling methods and/or degree of protection) are available upon request.

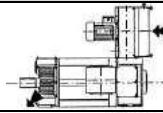
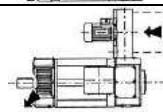
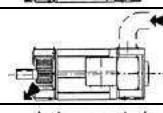
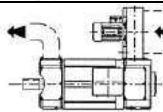
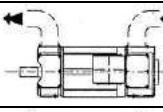
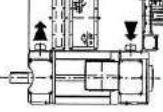
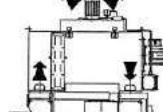
IP	IC	Description	SICME MOTORI code
23	06	Forced ventilation by fitted fan. Suction exhaust to the local atmosphere	 PVA
	16	Forced ventilation by fitted fan, with ducted air inlet and outlet vent to local atmosphere	 BPVA
	17	Ventilation by external system with ducted air inlet and outlet vent to local atmosphere	 BCA
44 54 55	410	Totally enclosed not ventilated machine	 CNV
	610	Totally enclosed machine with air to air heat exchanger in self ventilated version for air circulating inside with external air cooling by natural convection (for frames 132-250 only)	 CNVC
	36	Force ventilation by integral system with air inlet and outlet ducts	 BPVAB
	37	Ventilation by external system with air inlet and outlet ducts	 CBA
	86W	Assisted ventilation in closed cycle with air-water heat exchanger (for frames 132-800 only)	 CBARH
	666	Assisted ventilation in closed cycle with air-air heat exchanger (for frames 132-560 only)	 CBARO

Table b.04

Notes: Machines with IP54 and IP55 degree of protection are suitable for outdoor installation only if under a shed or special cover

B.05 Heat exchangers***Air-water heat exchanger (IC86W)***

Placed on top of the motor. Standard and optional accessories are described in the accessories table.

Blower motor data are shown on performance tables.

Standard design is for inlet water temperature 26 °C max.

Air-air heat exchanger (IC666)

Placed on top of the motor. Standard and optional accessories are described in the accessories table.

Blower motor data for IC666

Motor	Inner circuit fan			Voltage (V)	Freq. (Hz)	Outer circuit fan			Cooler weight (kg)
	Type asynchr. motor	Current (A)	Power (kW)			Type asynchr. motor	Current (A)	Power (kW)	
225	112M2A	7,4	4	400	50	90S2	3,5	1,5	280
250	112M2A	7,4	4	400	50	90S2	3,5	1,5	370
280	132S2A	10,5	5,5	400	50	90S2	3,5	1,5	415
315	132S2B	13,9	7,5	400	50	90L4	3,68	1,5	450
355	132M2B	18	9	400	50	90L4	3,68	1,5	520

B.06 Balancing and vibrations

All the machines in this catalogue are balanced according to IEC 60034-14 class A. Balancing is carried out with the half key (therefore the half-coupling must be balanced with half key). Machines with special balancing (class B) are supplied upon request.

Limits of vibration severity are given in table b.06 (tolerance $\pm 10\%$).

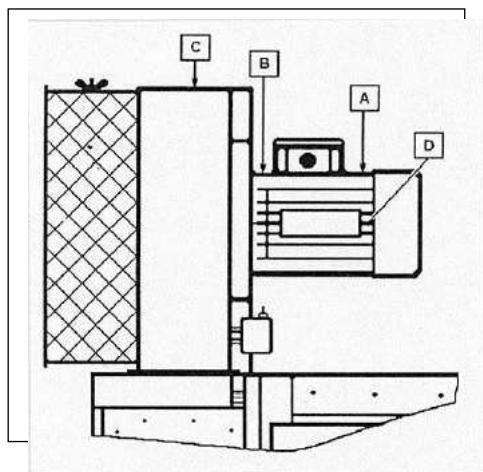
Class	Speed (rpm)	Limits of vibration severity in mm/s	
		200-225	250-355
A	600-3600	2,8	3,5
B	600-1800	1,12	1,8
	1801-3600	1,8	2,8

Table b.06

Test must be carry out with the method of free suspension or with motors placed on rubber.

B.06.1 Cooler AC motor vibrations (coolings IC06 and derivated, IC86W, IC666)

Test is carried out using a vibrometer and checking that vibrations values measured at points A, B, C, D, whit AC motor supplied with nominal voltage and frequency, are within values given in table b.06.1.



D.C. motor frame	Max measured value (mm/s)
200	7,1
≥ 225	10

Table b.06.1

A-B-D : points of measure on AC motor

C : point of measure on the blower scroll (IC06 and derivated motors) or on the fixing blower flange (IC86W and IC666 motors)

B.07 Noise level

According to IEC 34-9, noise levels to be warranted refer to a machine operating with no load, powered at the nominal supply voltage, with the ventilation system on.

Noise levels expressed in 'sound pressure' are detected using a phonometer positioned at the centre of the 4 sides of the direct current machine tested and of the nosepiece of the fan for PVA motors, or of the asynchronous motor for machines with heat exchangers, at a distance of approx.1 metre.

The mean of these values is the noise rating adopted by SICMEMOTORI.

Typical values of the sound pressure and of the associated power, obtained by the methods described above, valid for motors with combined fan with 50 Hz filter are given in table b.07.

Motor	Sound pressure (dBA) Cooling IC06 (PVA)	Sound pressure (dBA) Cooling IC86W (CBARH)	Sound pressure (dBA) Cooling IC666 (CBARO)
200 N	85	80	86
200 K	85	82	86
225 N	85	82	86
225 K	85	82	86
250 N	85	82	86
250 K	85	82	86
280 K	85	82	86
315 K	85	82	86
355 K	85	82	90

Table b.07

B.08 Main terminal box

The main terminal box is in welded steel, and very generously sized inside, in compliance with CSA and NEMA Standards.

It contains:

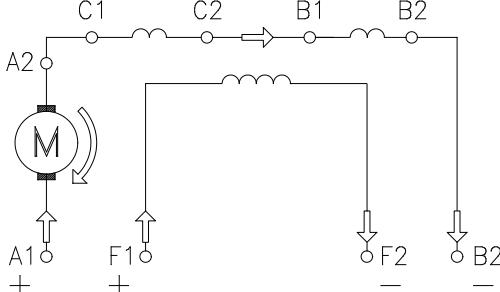
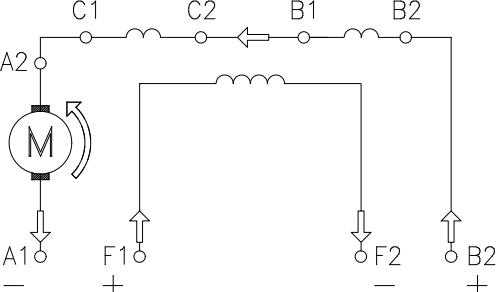
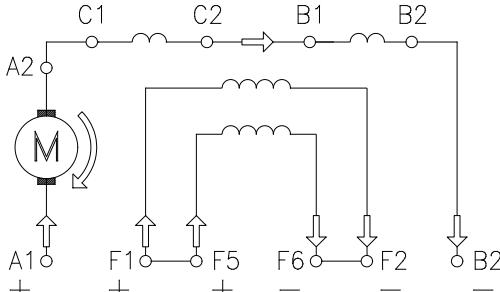
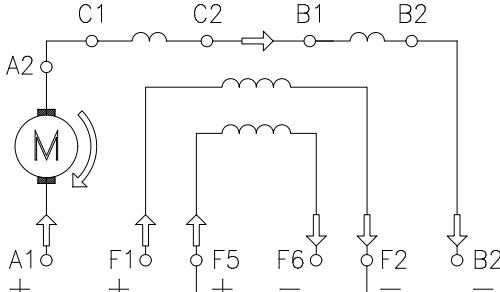
- the main terminals (armature circuits), formed of generously sized copper bars, fastened in insulated supports, pierced to simplify the fitting of the plant cables;
- a terminal block for the separately excited field circuit;
- a terminal block for the auxiliary protection circuits;
- a box earth terminal distinguished by a special data plate.



The standard terminal box has IP54 degree of protection. Higher degrees of protection can be obtained upon request. Terminal box is normally located at right (viewing from the DE); on request, when ordering, it can be positioned on top or left side; The diagrams for connection to the terminal box for motors with separate excitation and compensation windings are shown in fig.b.8.1 (terminals marked according to IEC 60034-8).

On the standard version, two plates, 4 mm or more in thickness are screwed on opposite walls of the box, to be drilled by the Customer.

The terminal box is rectangular, with the longer side normally at right angles to the machine axis. The box can be fitted turned 90° on its own axis, if this is requested when ordering.

ROTAZIONE ORARIA VISTA LATO ACCOPPIAMENTO CLOCKWISE ROTATION DRIVE END VIEW	ROTAZIONE ANTIORARIA VISTA LATO ACCOPPIAMENTO CON INVERSIONE DI INDOTTO COUNTERCLOCKWISE ROTATION DRIVE END VIEW BY ARMATURE REVERSAL
MOTORE CON ECCITAZIONE SEPARATA SEPARATE EXCITATION DIRECT CURRENT MOTOR	
	
MOTORE CON ECCITAZIONE SEPARATA CON POSSIBILITA' DI COLLEGAMENTO SERIE O PARALLELO SEPARATE EXCITATION DIRECT CURRENT MOTOR WITH POSSIBILITY OF PARALLEL/SERIES CONNECTION	
	COLLEGAMENTO PARALLELO PARALLEL CONNECTION
	COLLEGAMENTO SERIE SERIES CONNECTION
MARCATURA DEI TERMINALI CON SIGLE IEC 34-8 TERMINAL MARKINGS IN ACCORDANCE WITH IEC 34-8	NOMENCLATURA NOMENCLATURE
AVVOLGIMENTO INDOTTO / ARMATURE WINDING	A1-A2
AVVOLGIMENTO POLI AUSILIARI / COMMUTATING WINDING	B1-B2
AVVOLGIMENTO DI COMPENSAZIONE / COMPENSATING WINDING	C1-C2
AVVOLGIMENTO ECCITAZIONE SEPARATA / SEPARATE FIELD WINDING	F1-F2 / F5-F6
A TERMINE DI LEGGE CI RISERViamo LA PROPRIETÀ DI QUESTO DISEGNO CON IL DIVIETO DI RIPRODURLO O DI RENDERLO NOTO A TERZI SENZA LA NOSTRA AUTORIZZAZIONE.	
	MOTORE A CORRENTE CONTINUA GRANDEZZE 200 - 355 SCHEMA ELETTRICO MOTORE STANDARD D.C. MOTOR TYPE 200 - 355 CONNECTION DIAGRAM FOR STANDARD MOTOR

b. 8.1. – 4 poles

ROTAZIONE ORARIA VISTA LATO ACCOPPIAMENTO CLOCKWISE ROTATION DRIVE END VIEW	ROTAZIONE ANTORARIO VISTA LATO ACCOPPIAMENTO CON INVERSIONE DI INDOTTO COUNTERCLOCKWISE ROTATION DRIVE END VIEW BY ARMATURE REVERSAL
MOTORE CON ECCITAZIONE SEPARATA SEPARATE EXCITATION DIRECT CURRENT MOTOR	
MOTORE CON ECCITAZIONE SEPARATA CON POSSIBILITA' DI COLLEGAMENTO SERIE O PARALLELO SEPARATE EXCITATION DIRECT CURRENT MOTOR WITH POSSIBILITY OF PARALLEL/SERIES CONNECTION	
<p style="text-align: center;">COLLEGAMENTO PARALLELO PARALLEL CONNECTION</p>	<p style="text-align: center;">COLLEGAMENTO SERIE SERIES CONNECTION</p>
MARCATURA DEI TERMINALI CON SIGLE IEC 34-8 TERMINAL MARKINGS IN ACCORDANCE WITH IEC 34-8	NOMENCLATURA NOMENCLATURE
AVVOLGIMENTO INDOTTO / ARMATURE WINDING	A1-A2
AVVOLGIMENTO POLI AUSILIARI / COMMUTATING WINDING	B1-B2
AVVOLGIMENTO DI COMPENSAZIONE / COMPENSATING WINDING	C1-C2
AVVOLGIMENTO ECCITAZIONE SEPARATA / SEPARATE FIELD WINDING	F1-F2 / F5-F6
A TERMINE DI LEGGE CI RISERViamo LA PROPRIETÀ DI QUESTO DISEGNO CON IL DIVIETO DI RIPRODURLO O DI RENDERLO NOTO A TERZI SENZA LA NOSTRA AUTORIZZAZIONE.	
MOTORE A CORRENTE CONTINUA GRANDEZZE 200 - 355 SCHEMA ELETTRICO MOTORE STANDARD D.C. MOTOR TYPE 200 - 355 CONNECTION DIAGRAM FOR STANDARD MOTOR	

b. 8.2

B.09 Painting of finished products

SICMEMOTORI has standardized certain painting cycles, which should be chosen considering the machine operating environment. Any other cycles may be defined in agreement with the Customer when ordering.

The final standard colour is green RAL6004; other colours are available upon prior agreement when ordering.

B.09.1 Preparation of the surfaces

Regardless of the specified painting cycle, all the machines undergo surface preparation treatment to ensure excellent adherence of the paint.

The shields and terminal boxes are always degreased and painted with one or more coats of epoxy primer; the lids and hatches are treated with electrolytic galvanising; the wound stator packs are covered with impregnation insulating paint, which acts as a perfect base coat; the cooling systems (fans, heat exchangers) are degreased and painted with primer.

Thus, all parts of each machine have received at least one coat of primer in preparation for final painting with the specified finish.

B.09.2 Standard painting cycles

The painting cycles standardised by SICMEMOTORI are described in table b.23.2. The primer adherence index is 1 (according to DIN Std.53151).

The paints used contain no lead, chromium or zinc or their components. Technical characteristics of paints are available on request to SICMEMOTORI.

The Customer must previously check if the paint cycle is suitable for its application.

In lack of other instructions, all machines are painted according to cycle 1.



Cycle	Environment	Application
1 (normal)	Indoor, dry, clean, not aggressive (see B.03)	- degreasing with spray solvent - synthetic nitrous enamel finishing coat - minimum thickness 15 micron
2 (anticorrosive)	Damp-salty, tropical, sea, near sea	- degreasing with spray solvent - 1 coat of epoxy primer - 1 coat of enamel semi-gloss finishing coat - minimum thickness 90 micron
3 (anticorrosive special for aggressive environment)	Chemically aggressive, naval	- free jet shotblasting with GH 50 carbon steel grit to obtain SA 2 ½ degree of cleaning - 2 coats of epoxy primer - 2 epoxy semi-gloss enamel finishing coats - minimum thickness 130 micron
4 (special)		To be defined with the Customer when ordering

B.10 Main data plate

Main data plate is in stainless steel and it is solidly riveted to the motor frame.

Languages Italian/English (standard), Italian/French or Italian/German are available when ordering. Other languages are available on request when ordering (please ask SICMEMOTORI).

Data on nameplate are according to IEC 60034-8.



Meaning of the abbreviations

TIPO/TYPE	motor type (according to SICMEMOTORI code; please refer to par.A)
N	serial number
P	nominal power
VEL/SPEED	speed
ARM/ARM (V)	armature voltage
ARM/ARM (A)	armature current
CAMPO/FIELD (V)	field voltage
CAMPO/FIELD (A)	field current
MASSA/MASS	motor weight complete with cooling devices
J (kgm ²)	rotor moment of inertia
ANNO/MESE-YEAR/MONTH	year/month of construction
SERV/DUTY	duty
IP	degree of protection
IC	cooling method
IM	form of construction
CL.ISOL/INS.CL	insulation class (the temperature rise is also given if different from class H)
TEMP.AMB/AMB.TEMP.	ambient temperature
CUSC.LA/DR.END BEAR.	drive end bearing
CUSC.LO/COMM.END BEAR.	non drive end bearing
INT.LUBR/LUBR.INT.	bearing lubrication interval



B.11 Options and accessories

X = Available on request
 STD = Standard

Common options and accessories

Description	200-250	280-315	355
Klixon fitted as standard in stator windings (standard quantity)	1	1	2
PTC thermistors in stator windings	X	X	X
Pt100 thermal detector in stator windings	X	X	X
Brush wear control device	X	X	X
Special balancing (R or S degree)	X	X	X
Balancing with half key	STD	STD	STD
Special balancing with whole key	X	X	X
Keyless shaft	X	X	X
Tacho or Pulse generator provision (std type diam. 14/11)	STD	STD	STD
Tacho or Pulse generator provision (hollow shaft)	X	X	X
Speed feedback devices	X	X	X
Anticondensation heaters	X	X	X
Transparent inspection covers	STD	STD	STD
Earthing brush	X	X	X
Bearing vibration control sensor provision (M8 hole)	X	X	X
Bearing temperature control sensor (Pt100)	X	X	X
DE ball bearing (for direct coupling)	X	X	X
Slide rails	X	NO	NO
Brakes (Disc, Pneumatic, Electromagnetic, Etc.)	X	X	X
Terminal box LHS or Top	X	X	X
Painting different than RAL 6011	X	X	X
Tropicalization	STD	STD	STD
Special painting for corrosive environments	X	X	X
Stainless steel screws and bolts	X	X	X
Anchorage and foundation bolts	X	X	X
Tandem or Triple arrangement (engineering or supply)	X	X	X
Electromagnetic clutches	X	X	X
Adapting subframe for shaft height gap	X	X	X

Options and accessories for IC06 cooling

Description	200-250	280-315	355
Blower Position on Top (NDE side)	STD	STD	STD
Blower Position Left or Right	X	X	X
Filter	STD	STD	STD
Ventilation failure detector (Pressure switch)	X	X	STD
Blower with special Volt / Hz	X	X	X
Noise reduction device	X	X	X
Anticondensation heaters	X	X	X

Options and accessories for IC86W cooling (air-water)

Description	200-250	280-315	355
Degree of protection IP44	STD	STD	STD
Degree of protection IP45, IP54, IP55	X	X	X
Cooler position on Top	STD	STD	STD
Cooler position Left or Right	X	X	X
STD side for AC blower	NDE	NDE	DE
STD position water in/out flanges	Left	Left	Right
Ventilation failure detector (Pressure switch)	STD	STD	STD
Inner air thermostat	STD	STD	STD
Water flow switch	STD	STD	STD
Drain tap	STD	STD	STD
Filter	STD	STD	STD
Water leakage detector (switch)	STD	STD	STD
Air drain plug	STD	STD	STD
Differential pressure switch	X	X	X
Fan with special Volt / Hz	X	X	X
Anticondensation heaters	STD	STD	STD
Cooler for water temp. > 26 °C	X	X	X
Pt100 on inner air	X	X	X
Thermometer on inlet water	X	X	X
Water valves	X	X	X

Options and accessories for IC666 cooling (air-air)

Description	200-250	280-315	355
Degree of protection IP44	STD	STD	STD
Degree of protection IP45, IP54, IP55	X	X	X
Cooler position on Top	STD	STD	STD
Cooler position Left or Right	X	X	X
STD side for inner air	NDE	NDE	DE
Ventilation failure detector for outer air (Pressure Switch)	STD	STD	STD
Ventilation failure detector for inner air (Pressure Switch)	STD	STD	STD
Inner air thermostat	STD	STD	STD
Filter	STD	STD	STD
Fan with special Volt / Hz	X	X	X
Anticondensation heaters	STD	STD	STD
Differential pressure switch	X	X	X
Noise reduction device	X	X	X
Pt100 on inner air	X	X	X



C. COMPANY QUALITY SYSTEM – TESTS, CONTROLS, INSPECTIONS

C.01 Quality Control Dept.

The manufacturing process is controlled by the Quality Control Dept., which is responsible for the correct execution of the tests and inspections specified by the Company Quality System, set out and defined by the "Quality Assurance" department.

The company Quality System is certified and controlled by the CSQ (*) in compliance with European Standards ISO 9001. At the time of going to press environmental certification EN 14001 is in progress.

(*) The CSQ Quality Certification Systems is run by IMQ in collaboration with CESI, it forms part of the CISQ convention (Italian Certification of Quality System) and adheres to the EQNET International agreement.

C.02 Routine tests

All RP machines are subjected to routine checks and tests at the end of the production cycle, on the basis of the list of tests in the card shown in table c.02.

The corresponding test Protocol is supplied with all motors.

Visual inspection of conformity to design
Measurement of windings resistance
Continuity test of auxiliary circuits
No load test
Test at nominal load and speed and visual check of commutation (for frames 225-800 only)
Overspeed test
High voltage test
Check of accessories

c.02

C.03 Type tests

The type tests are carried out on the first machine of a series, and the values revealed are used as reference during the routine tests of the following ones of the same series.

At the time of ordering the Customer may ask for a machine to be subjected to the type tests (surcharge).
The list of type tests is given in table c.03.

Visual inspection of conformity to design
Measurement of windings resistance
Continuity test of auxiliary circuits
No load test
Test at nominal load and speed and visual check of commutation
Heating test
Determination of efficiency (with the indirect method)
Overspeed test
Voltage test with hot machine
Recording of the no-load magnetisation characteristic
Recording of field weakening characteristic (for field weakened motors)
High voltage test
Check of accessories

c.03

C.04 Special tests

The performance of one or more of the tests listed in table c.04 must be agreed upon at the time of ordering and will involve a surcharge.

Measurement of noise level
Measurement of vibrations
Measurement of armature winding inductance
Measurement of field winding inductance

c.04

C.05 Witnessed tests

Tests carried out in the presence of a Customer or authorised body must be requested at the time of ordering and will involve a surcharge.



D. PERFORMANCE DATA

Conditions of validity of data contained in the performance tables shown in next pages are the following:

- Type of cooling IC06-IC16-IC17-IC36-IC37-IC86W
- Maximum ambient temperature 40 °C
- Maximum altitude 1000 m.a.s.l.
- Supply from three phase fully controlled bridge (max form factor of armature current 1,05)
- Insulation and temperature rise class H
- Duty S1 (continuous duty)
- Standard overloads
- Separate excitation

D.01 Overload capacity

	T _{max}	I _{max}	Duration
Std IEC 60034-1	1,6 T _n	Not stated	1' occasional
Compensated machines	1,7 T _n	1,8 I _n	15" every 5' or 1' every 20'
NOT compensated machines	1,6 T _n	1,8 I _n	15" every 5' or 1' every 20'

Nema MG1-23.41 Standards overloads available on request. Please ask SICMEMOTORI.

D.02 Standstill

Current % (*)	Duration
200	10 s
100	30 s
50	90 s
20	10 min
10	Continuous

(*) percentage with respect to the nominal rating

D.03 Current gradient

Motors are suitable for dynamic load dI/dt up to 200 In/s.

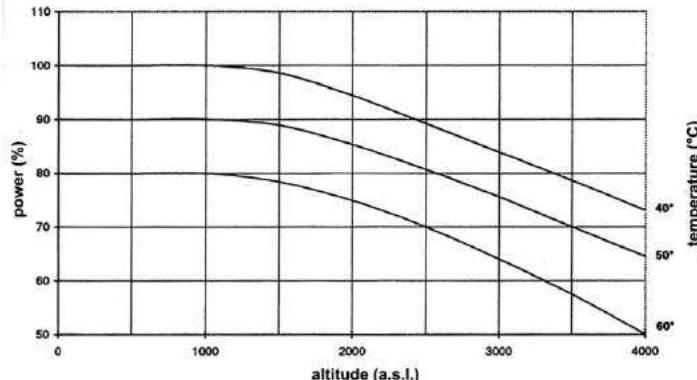
D.04 De-rating coefficient for conditions different than the above ones

These are the coefficients that need to be used to bring the power ratings (and speed) required by the application to values compatible with the power and speed data given in this catalogue, when the type of service, ventilation, environment temperature and overtemperature differ from the standard ones above indicated. The various coefficients must be multiplied together when contemporaneous situations occur, obtaining two overall coefficients:

coefficient Kp referring to the power;
coefficient Kn referring to the speed.

To select a frame size suitable for required power/speed, the power rating to be found in this catalogue must be divided by Kp and the speed rating must be multiplied by Kn.

De-rating coefficient for different ambient temperature or altitude a.s.l.



When ambient temperature is > 60°C and/or altitude is > 4000 m.a.s.l., please ask SICMEMOTORI.

De-rating coefficient for IC666 and IC610 cooling methods

Please ask to Sicmemotori



De-rating coefficient for temperature rise different than class H

Please ask to Sicmemotori

Important remark: The Purchaser is always responsible to declare the duty; in case duty is not declared, SICMEMOTORI assumes that duty S1 (continuous running duty) applies. When duty is different from S1, or when sudden accelerations/decelerations/overloads are required, please call SICMEMOTORI.

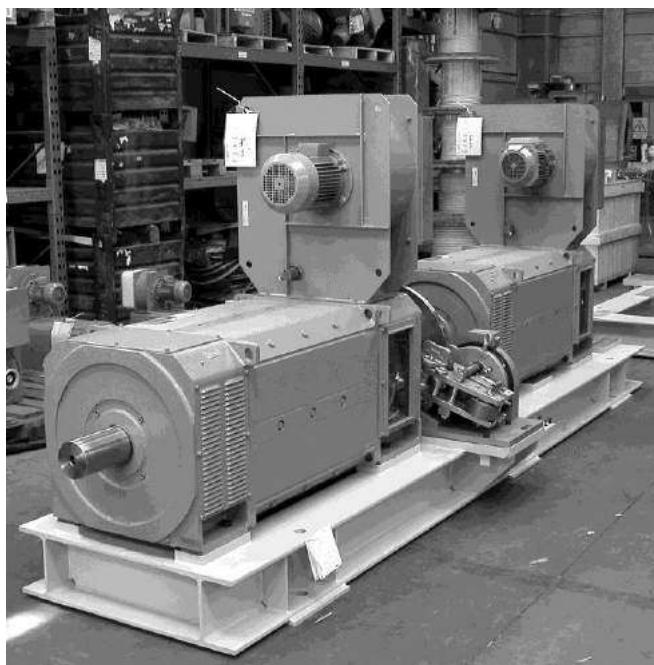
Selection code for length definition

Selection codes are necessary to select the right motor length on drawing. Standard selection codes are shown on the performance tables. When de-rating coefficient are used, selection codes change as shown in the following table.

Motor frame	Motors with de-rating coefficients			
	Temperature rise class F		Temperature rise class B IC610 and IC666 motors	
	Number of Winding	Selection code	Number of winding	Selection code
200	All	4	All	4
225	All	5	All	5
250	All	5	All	5
280	All	6	All	6
315	All	8 6	All	6
355	All	7 6	All	6

Abbreviations used in the performance tables

Winding N°.	Number of armature winding
Base speed	Nominal speed (rpm)
P	Nominal power (kW)
I	Nominal armature current (A)
T	Nominal torque (Nm)
η	Armature circuit efficiency (%)
R_{arm}	Armature circuit resistance at 115 °C (Ohm)
L_{arm}	Armature circuit inductance (mH)
Select. code	Selection code



Motor type RP200NS

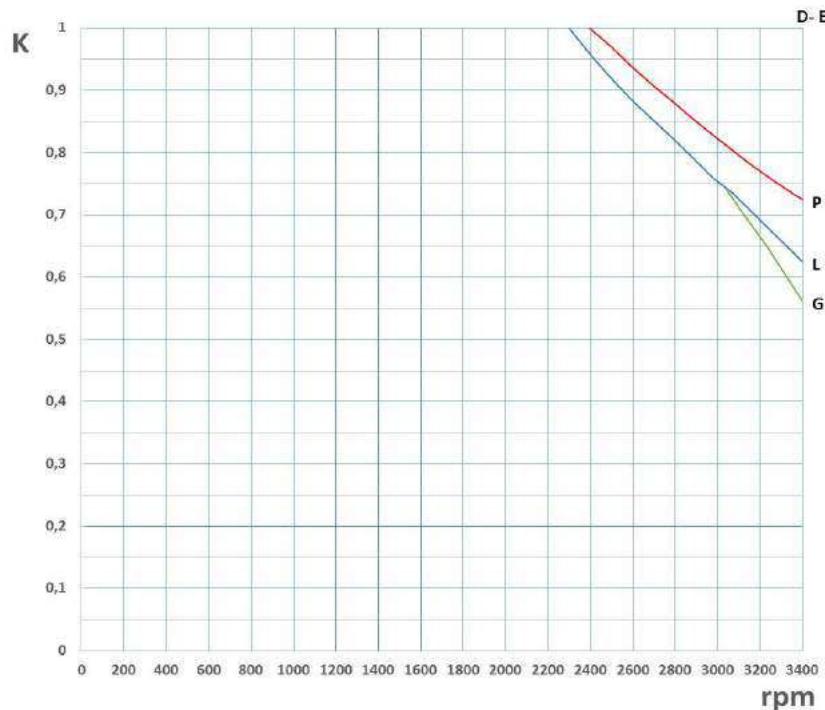
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
D	3037					181	491	569	91,8	0,031	0,75
E	2765					163	444	563	91,5	0,037	0,78
		3055				180	444	563	91,9		
F	2530					148	405	559	91,0	0,045	0,93
		2797				164	405	560	91,4		
			2930			172	405	561	91,6		
G	2147					131	360	583	90,4	0,058	1,20
		2375				145	360	583	90,9		
L	1758					105	292	570	89,0	0,090	2,00
		1947				116	292	569	89,6		
			2041			122	292	571	89,9		
				2325		138	291	567	90,7		
P	1234					73	210	565	86,0	0,176	3,10
		1370				81	210	565	87,0		
			1439			85	210	564	87,4		
				1644		98	210	569	88,5		
					1917	114	210	568	89,5		

Note: other windings are available on request

Motor type RP200NS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200NS5	
Field power	W	1600
Inertia	kgm^2	0,8
Max mechanical speed	rpm	3400
Weight IC06	kg	490
Weight IC17-IC37	kg	455
Weight IC86W	kg	625
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200KS

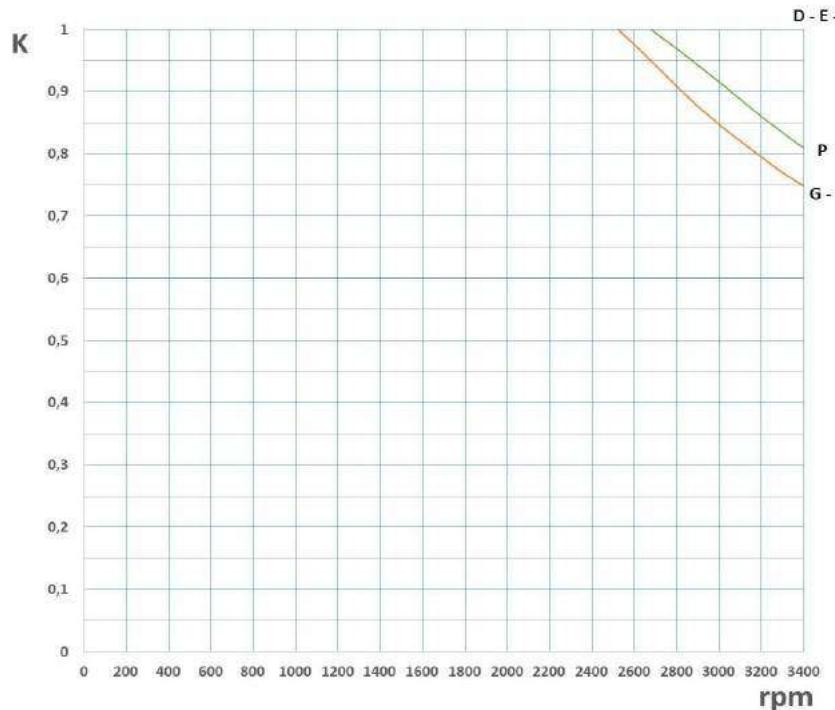
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
D	2837					180	491	606	91,0	0,034	0,26
		3135				198	491	603	91,3		
E	2568					162	444	602	90,5	0,042	0,35
		2839				178	444	599	90,9		
			2974			187	444	600	91,1		
				3388		212	444	598	91,5		
F	2347					147	405	598	90,2	0,051	0,39
		2595				162	405	596	90,6		
			2720			170	405	597	90,8		
				3099		193	405	595	91,2		
G	1992					130	360	623	89,4	0,067	0,59
		2205				143	360	619	90,0		
			2311			150	360	620	90,2		
				2631		171	360	621	90,8		
L	1635					104	292	607	88,6	0,098	0,77
		1812				115	292	606	89,2		
			1901			121	292	608	89,5		
				2166		138	292	608	90,2		
					2523	160	292	606	90,9		
P	1140					73	210	612	85,6	0,193	1,31
		1267				81	210	611	86,6		
			1331			85	210	610	87,0		
				1522		97	210	609	88,1		
					1777	113	210	607	89,1		

Note: other windings are available on request

Motor type RP200KS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200KS5	
Field power	W	1400
Inertia	kgm^2	0,8
Max mechanical speed	rpm	3400
Weight IC06	kg	490
Weight IC17-IC37	kg	455
Weight IC86W	kg	625
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200NM

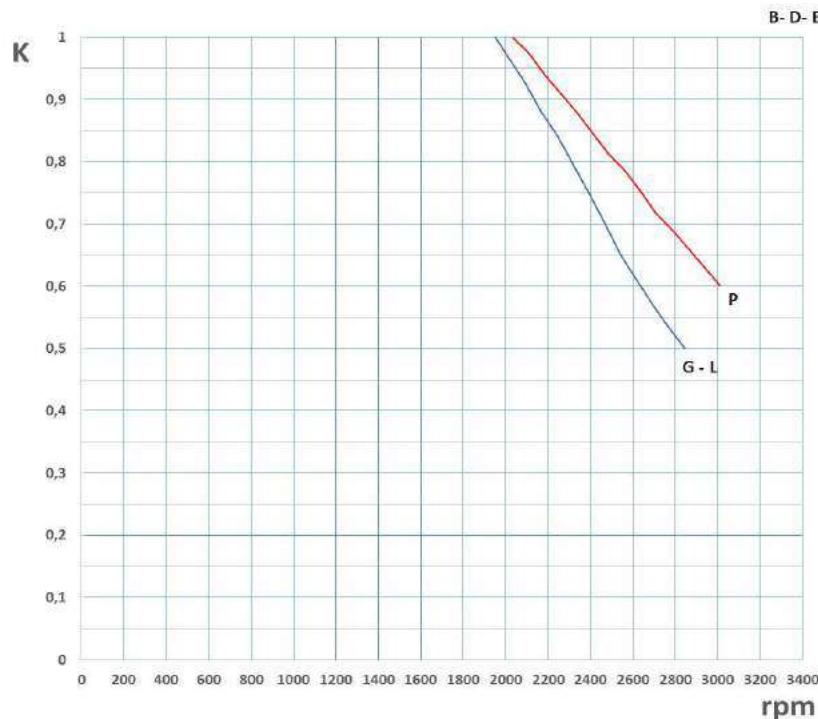
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	2937					217	585	706	92,0	0,026	0,65
		3243				239	585	704	92,4		
D	2395					181	491	722	91,4	0,036	0,95
		2647				200	491	722	91,8		
			2773			209	491	720	92,0		
				3151		237	491	718	92,5		
E	2179					163	444	714	91,0	0,043	0,98
		2410				180	444	713	91,5		
			2525			189	444	715	91,7		
				2870		214	444	712	92,2		
F	1993					148	405	709	90,4	0,052	1,18
		2204				163	405	706	90,9		
			2310			171	405	707	91,2		
				2628		195	405	709	91,8		
G	1689					226	405	707	92,4	0,068	1,50
		1870				130	360	735	89,7		
L	1379					144	360	735	90,3	0,104	2,50
		1529				104	292	720	88,0		
			1604			115	292	718	88,8		
				1830		121	292	720	89,1		
P	963					137	291	715	90,0	0,204	3,90
		1072				72	210	714	84,6		
			1126			80	210	713	85,7		
				1289		84	210	712	86,2		
					1506	97	210	719	87,4		
						113	210	717	88,7		

Note: other windings are available on request

Motor type RP200NM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200NM5	
Field power	W	1900
Inertia	kgm^2	0,92
Max mechanical speed	rpm	3400
Weight IC06	kg	555
Weight IC17-IC37	kg	520
Weight IC86W	kg	690
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--
Power	kW	2,2	--
Current	A	5,2	--
Poles	n°.	2	--
Dissipated losses	kW	--	--
Water flow rate	m^3/h	--	3,44
Pressure drop	Pa	--	9700
Water flanges	DIN2566	--	DN40
Air flow rate	m^3/s	--	0,8
Static pressure	Pa	--	2000

Motor type RP200KM

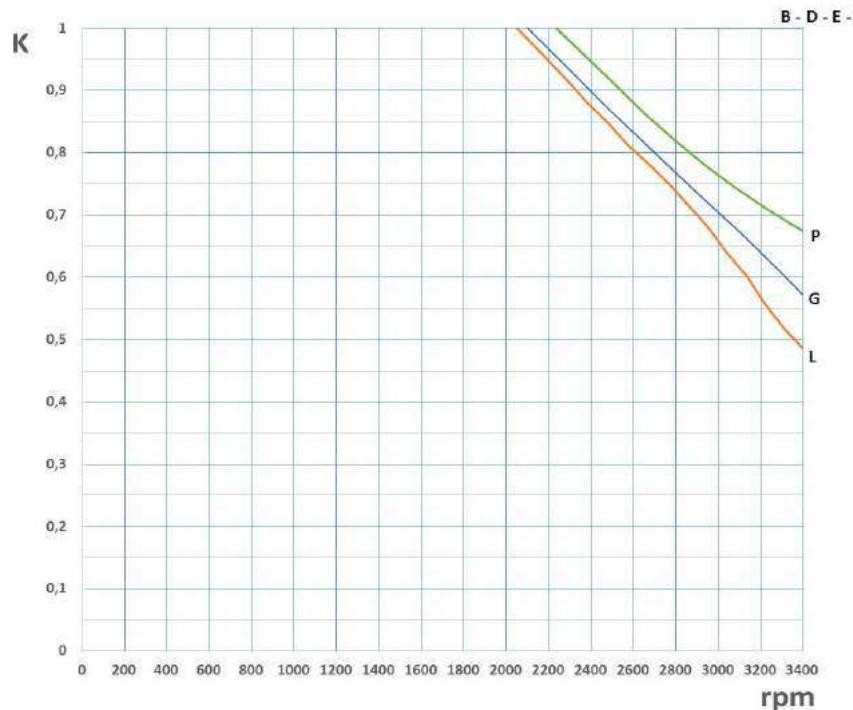
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	2738					214	585	746	91,2	0,028	0,23
		3025				237	585	748	91,5		
D	2237					179	491	764	90,7	0,039	0,32
		2474				198	491	764	91,1		
			2592			207	491	763	91,3		
				2946		235	491	762	91,7		
E	2023					161	444	760	90,1	0,048	0,45
		2238				178	444	760	90,6		
			2345			186	444	757	90,8		
				2668		212	444	759	91,3		
					3104	245	444	754	91,7		
F	1848					146	405	754	89,6	0,058	0,48
		2045				162	405	757	90,2		
			2144			169	405	753	90,4		
				2440		193	405	755	90,9		
					2841	223	405	750	91,5		
G	1566					129	360	787	88,7	0,077	0,75
		1735				143	360	787	89,4		
			1820			149	360	782	89,7		
				2073		170	360	783	90,3		
L	1283					103	292	767	87,6	0,112	0,97
		1424				115	292	771	88,4		
			1494			120	292	767	88,8		
				1705		137	292	767	89,6		
					1986	160	292	769	90,5		
P	890					72	210	773	84,2	0,220	1,66
		991				80	210	771	85,3		
			1042			84	210	770	85,8		
				1193		96	210	768	87,0		
					1396	112	210	766	88,3		

Note: other windings are available on request

Motor type RP200KM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200KM5	
Field power	W	1700
Inertia	kgm^2	0,92
Max mechanical speed	rpm	3400
Weight IC06	kg	555
Weight IC17-IC37	kg	520
Weight IC86W	kg	690
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200NL

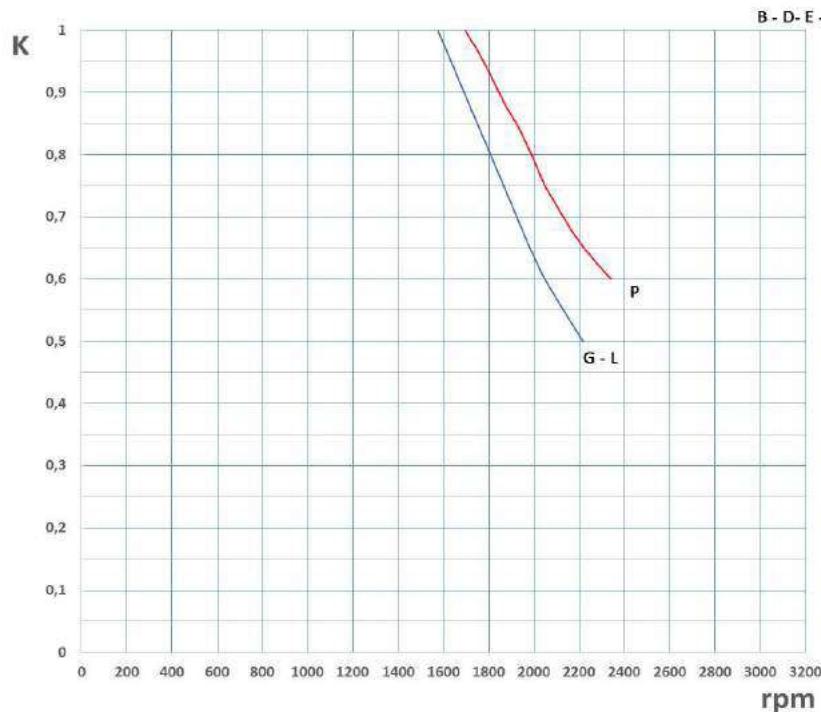
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	2296					215	585	894	91,3	0,030	0,82
		2538				238	585	896	91,7		
			2659			249	585	894	91,9		
D	1870					179	491	914	90,5	0,043	1,21
		2069				198	491	914	91,0		
			2168			208	491	916	91,3		
				2465		236	491	914	91,8		
					2862	273	490	911	92,4		
E	1701					162	444	910	90,1	0,050	1,28
		1882				179	444	908	90,7		
			1973			187	444	905	90,9		
				2244		213	444	906	91,5		
					2607	247	444	905	92,1		
F	1553					146	405	898	89,3	0,062	1,41
		1720				162	405	899	90,0		
			1803			170	405	900	90,3		
				2053		193	405	898	91,0		
					2387	224	405	896	91,7		
G	1315					129	360	937	88,5	0,080	1,90
		1457				143	360	937	89,2		
L	1070					102	292	910	85,8	0,122	3,61
		1188				114	292	916	87,4		
			1247			120	292	919	87,8		
				1425		136	291	911	88,9		
P	742					71	210	914	82,5	0,240	5,20
		828				79	210	911	83,8		
			870			83	210	911	84,3		
				999		95	210	908	85,8		
					1169	111	210	907	87,3		

Note: other windings are available on request

Motor type RP200NL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200NL5	
Field power	W	2300
Inertia	kgm^2	1,05
Max mechanical speed	rpm	3200
Weight IC06	kg	640
Weight IC17-IC37	kg	605
Weight IC86W	kg	775
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200KL

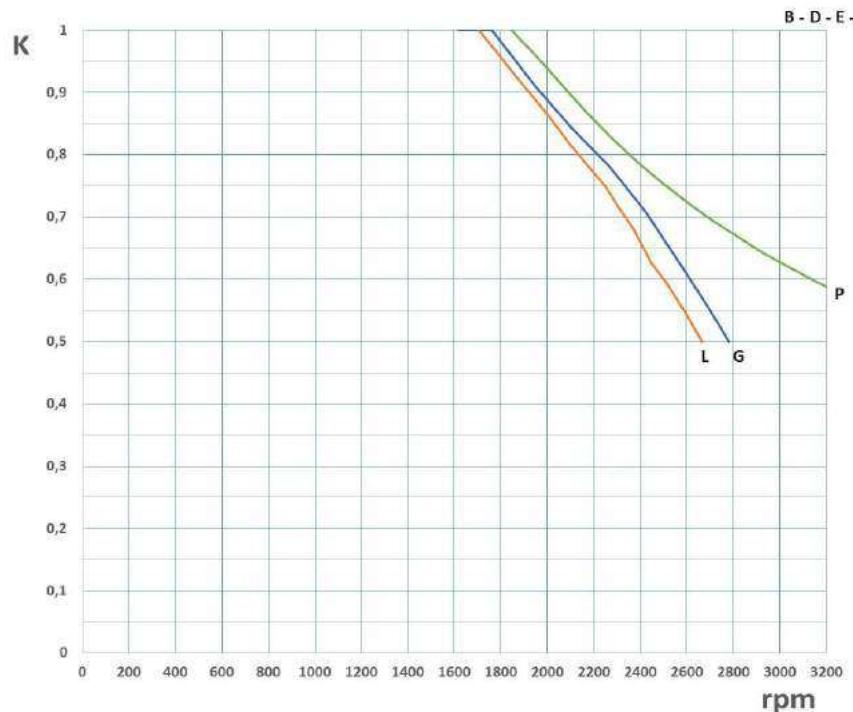
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	2141					214	585	955	90,8	0,032	0,29
		2367				236	585	952	91,2		
			2480			247	585	951	91,4		
				2828		281	585	949	91,8		
D	1747					178	491	973	90,2	0,045	0,41
		1933				197	491	973	90,7		
			2026			207	491	976	90,9		
				2305		235	491	974	91,4		
					2680	271	490	966	91,9		
E	1578					160	444	968	89,5	0,057	0,56
		1747				177	444	968	90,0		
			1832			186	444	970	90,3		
				2086		211	444	966	90,9		
					2429	245	444	963	91,5		
F	1440					145	405	962	88,9	0,067	0,61
		1595				161	405	964	89,6		
			1673			169	405	965	89,8		
				1906		192	405	962	90,5		
					2222	223	405	958	91,2		
G	1218					128	360	1004	87,8	0,090	0,95
		1351				141	360	997	88,6		
			1418			148	360	997	88,9		
				1618		169	360	997	89,7		
L	995					102	292	979	86,4	0,131	1,24
		1106				113	292	976	87,4		
			1161			119	292	979	87,8		
				1327		136	292	979	88,8		
					1549	159	292	980	89,8		
P	685					70	210	976	82,4	0,256	2,10
		765				78	210	974	83,7		
			805			82	210	973	84,3		
				925		95	210	981	85,7		
					1084	111	210	978	87,2		

Note: other windings are available on request

Motor type RP200KL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200KL5	
Field power	W	1900
Inertia	kgm^2	1,05
Max mechanical speed	rpm	3200
Weight IC06	kg	640
Weight IC17-IC37	kg	605
Weight IC86W	kg	775
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--
Power	kW	2,2	--
Current	A	5,2	--
Poles	n°.	2	--
Dissipated losses	kW	--	--
Water flow rate	m^3/h	--	3,44
Pressure drop	Pa	--	9700
Water flanges	DIN2566	--	DN40
Air flow rate	m^3/s	--	0,8
Static pressure	Pa	--	2000

Motor type RP200NX

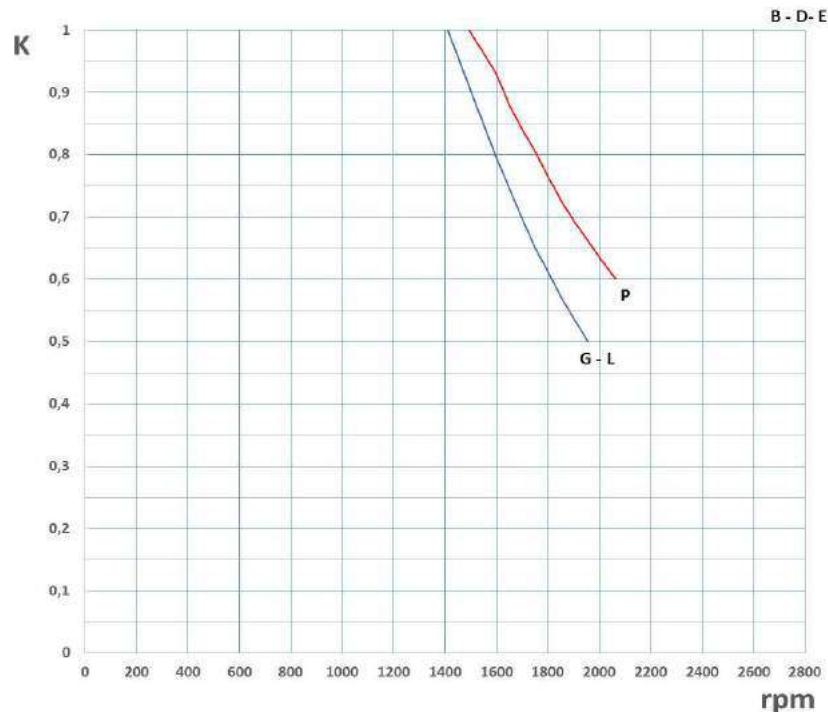
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	2033					215	585	1010	90,9	0,033	0,92
		2247				237	585	1007	91,4		
			2355			248	585	1006	91,6		
D	1654					179	491	1034	90,0	0,046	1,34
		1830				198	491	1033	90,6		
			1919			207	491	1030	90,9		
				2183		236	491	1032	91,5		
					2536	273	490	1028	92,2		
E	1504					161	444	1022	89,6	0,055	1,41
		1665				178	444	1021	90,2		
			1745			187	444	1023	90,5		
				1987		212	444	1019	91,2		
					2309	247	444	1022	91,9		
F	1373					146	405	1016	88,7	0,067	1,58
		1521				161	405	1011	89,5		
			1595			169	405	1012	89,8		
				1817		193	405	1014	90,6		
					2113	224	405	1012	91,4		
G	1161					128	360	1053	87,7	0,087	2,10
		1287				142	360	1054	88,6		
L	943					102	292	1033	85,6	0,133	4,03
		1048				113	292	1030	86,6		
			1100			119	292	1033	87,1		
				1258		135	291	1025	88,2		
P	651					70	210	1027	81,1	0,262	5,85
		727				78	210	1025	82,6		
			765			82	210	1024	83,2		
				879		94	210	1021	84,8		
					1031	111	210	1028	86,4		

Note: other windings are available on request

Motor type RP200NX

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200NX5	
Field power	W	2600
Inertia	kgm^2	1,2
Max mechanical speed	rpm	2800
Weight IC06	kg	690
Weight IC17-IC37	kg	655
Weight IC86W	kg	825
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200KX

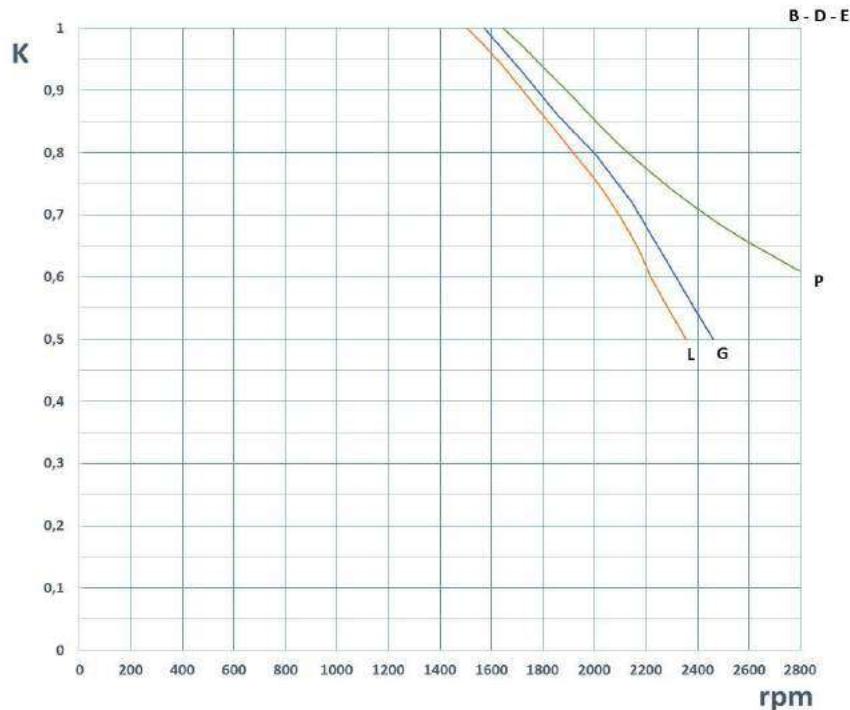
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	1895					213	585	1073	90,6	0,035	0,32
		2096				236	585	1075	91,0		
			2197			247	585	1074	91,2		
				2506		280	585	1067	91,6		
D	1546					178	491	1100	89,8	0,049	0,46
		1711				197	491	1100	90,4		
			1794			206	491	1097	90,6		
				2042		234	491	1094	91,2		
					2375	271	490	1090	91,7		
E	1394					159	444	1089	89,0	0,061	0,63
		1545				177	444	1094	89,6		
			1620			185	444	1091	89,9		
				1846		211	444	1092	90,6		
					2151	245	444	1088	91,3		
F	1272					145	405	1089	88,4	0,073	0,69
		1410				160	405	1084	89,1		
			1479			168	405	1085	89,4		
				1687		191	405	1081	90,2		
					1967	222	405	1078	90,9		
G	1074					127	360	1129	87,2	0,097	1,06
		1193				141	360	1129	88,0		
			1252			148	360	1129	88,4		
				1430		169	360	1129	89,3		
L	877					101	292	1100	85,6	0,142	1,39
		975				113	292	1107	86,6		
			1024			118	292	1100	87,1		
				1172		135	292	1100	88,2		
					1369	158	292	1102	89,3		
P	601					69	210	1096	81,2	0,277	2,37
		672				78	210	1108	82,6		
			708			82	210	1106	83,3		
				814		94	210	1103	84,8		
					956	110	210	1099	86,5		

Note: other windings are available on request

Motor type RP200KX

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200KX5	
Field power	W	2100
Inertia	kgm^2	1,2
Max mechanical speed	rpm	2800
Weight IC06	kg	690
Weight IC17-IC37	kg	655
Weight IC86W	kg	825
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200NY

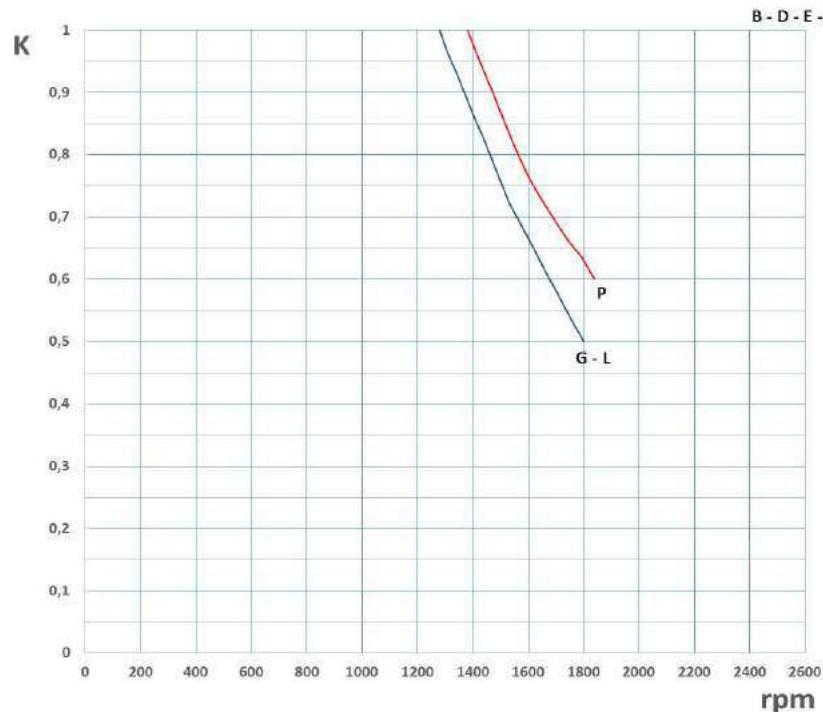
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	1822					214	585	1122	90,6	0,036	1,01
		2015				237	585	1123	91,1		
			2112			248	585	1121	91,4		
D	1481					178	491	1148	89,6	0,050	1,45
		1640				197	491	1147	90,2		
			1719			207	491	1150	90,5		
				1957		235	491	1147	91,2		
					2275	272	490	1142	91,9		
E	1346					160	444	1135	89,1	0,059	1,55
		1491				177	444	1134	89,8		
			1564			186	444	1136	90,1		
				1781		212	444	1137	90,9		
					2071	246	444	1134	91,6		
F	1228					145	405	1128	88,2	0,073	1,75
		1361				161	405	1130	89,0		
			1428			168	405	1124	89,3		
				1628		192	405	1126	90,2		
					1895	223	405	1124	91,0		
G	1037					127	360	1170	87,1	0,094	2,31
		1151				141	360	1170	88,0		
L	841					101	292	1147	84,8	0,144	4,45
		935				112	292	1144	85,9		
			983			118	292	1146	86,4		
				1125		135	291	1146	87,6		
P	578					69	210	1140	80,0	0,283	6,48
		647				77	210	1137	81,5		
			681			81	210	1136	82,2		
				783		93	210	1134	83,9		
					920	110	210	1142	85,6		

Note: other windings are available on request

Motor type RP200NY

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP200NY5	
Field power	W	2600
Inertia	kgm^2	1,37
Max mechanical speed	rpm	2800
Weight IC06	kg	750
Weight IC17-IC37	kg	710
Weight IC86W	kg	880
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP200KY

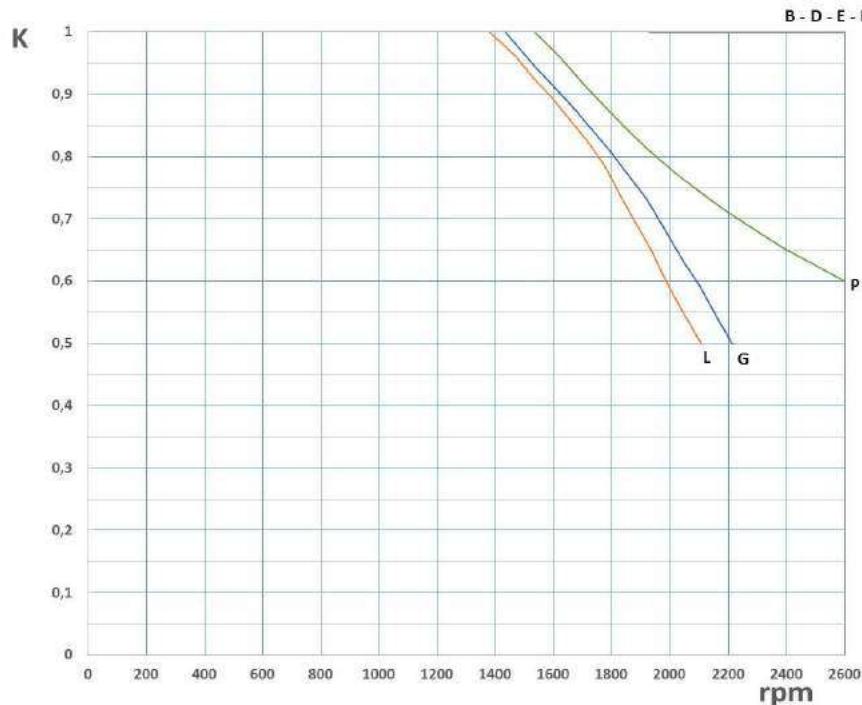
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
B	1699					213	585	1197	90,2	0,038	0,32
		1879				235	585	1194	90,7		
			1970			246	585	1193	90,9		
				2248		280	585	1190	91,4		
D	1384					177	491	1221	89,3	0,053	0,51
		1533				196	491	1221	89,9		
			1607			205	491	1218	90,2		
				1831		234	491	1220	90,9		
					2131	271	490	1214	91,5		
E	1248					159	444	1217	88,4	0,066	0,70
		1383				176	444	1215	89,1		
			1451			184	444	1211	89,4		
				1654		210	444	1213	90,2		
					1929	244	444	1208	90,9		
F	1138					144	405	1208	87,8	0,079	0,76
		1262				160	405	1211	88,6		
			1324			167	405	1205	88,9		
				1511		191	405	1207	89,7		
					1763	222	405	1203	90,5		
G	960					126	360	1253	86,4	0,105	1,17
		1066				140	360	1254	87,3		
			1120			147	360	1253	87,7		
				1280		168	360	1253	88,7		
L	782					100	292	1221	84,7	0,153	1,54
		871				112	292	1228	85,8		
			915			118	292	1232	86,3		
				1048		135	292	1230	87,5		
					1225	157	292	1224	88,7		
P	534					69	210	1234	79,8	0,298	2,10
		598				77	210	1230	81,4		
			630			81	210	1228	82,1		
				725		93	210	1225	83,8		
					853	109	210	1220	85,6		

Note: other windings are available on request

Motor type RP200KY

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP200KY5		
Field power	W	2500
Inertia	kgm^2	1,37
Max mechanical speed	rpm	2700
Weight IC06	kg	750
Weight IC17-IC37	kg	710
Weight IC86W	kg	880
DE bearing	ball	6314-Z-C3
NDE bearing	ball	6314-Z-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	90L2	--	100L2
Power	kW	2,2	--	3
Current	A	5,2	--	5,95
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	20
Water flow rate	m^3/h	--	--	3,44
Pressure drop	Pa	--	--	9700
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	0,8	--
Static pressure	Pa	--	2000	--

Motor type RP225NS

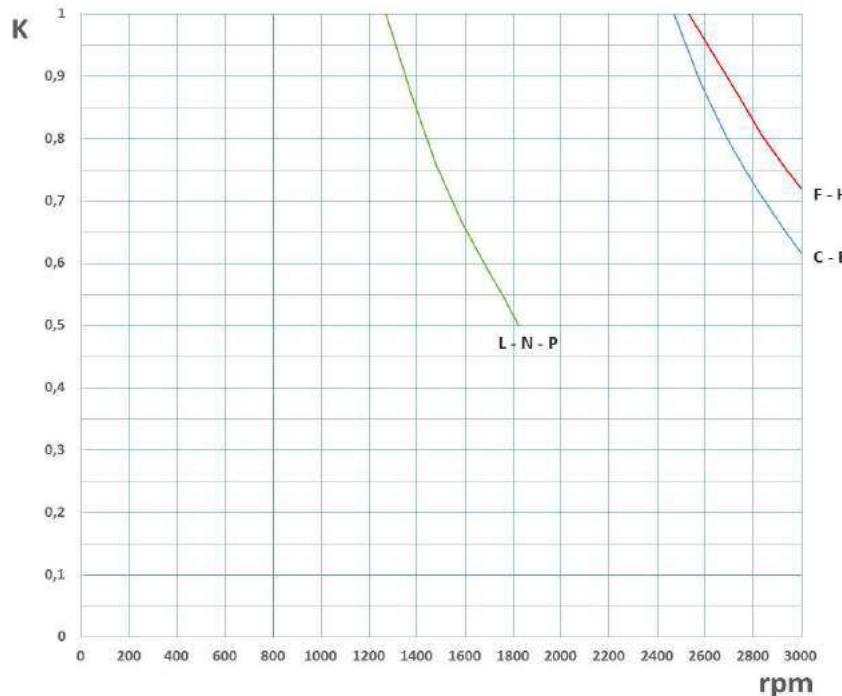
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	2033					285	770	1339	91,9	0,0200	0,53
	2245					314	770	1336	92,2		
E	1672					233	635	1331	91,1	0,0289	0,80
	1848					258	635	1333	91,6		
		1936				270	635	1332	91,8		
			2201			307	635	1332	92,3		
F	1505					208	570	1320	90,6	0,0355	0,98
	1665					230	570	1319	91,1		
		1745				241	570	1319	91,3		
			1984			274	570	1319	91,9		
H	1322					182	500	1315	89,9	0,0455	1,24
	1463					201	500	1312	90,5		
		1533				211	500	1314	90,7		
			1745			239	500	1308	91,4		
L	1059					279	500	1314	92,4	0,0672	1,89
N	906					149	415	1344	88,6	0,0913	2,80
	1005					126	355	1328	87,3		
		1055				139	355	1321	88,1		
P	600					146	355	1322	88,5	0,1962	5,60
	669					83	245	1321	83,0		
		703				92	245	1313	84,2		
			806			97	245	1318	84,8		
				944		112	245	1327	86,2		
						130	245	1315	87,6		

Note: other windings are available on request

Motor type RP225NS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP225NS5		
Field power	W	2600
Inertia	kgm^2	2
Max mechanical speed	rpm	3000
Weight IC06	kg	910
Weight IC17-IC37	kg	865
Weight IC86W	kg	1060
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--	112M2A
Power	kW	3	--	4
Current	A	5,95	--	7,4
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	28
Water flow rate	m^3/h	--	--	4,82
Pressure drop	Pa	--	--	12400
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	1	--
Static pressure	Pa	--	2000	--

Motor type RP225KS

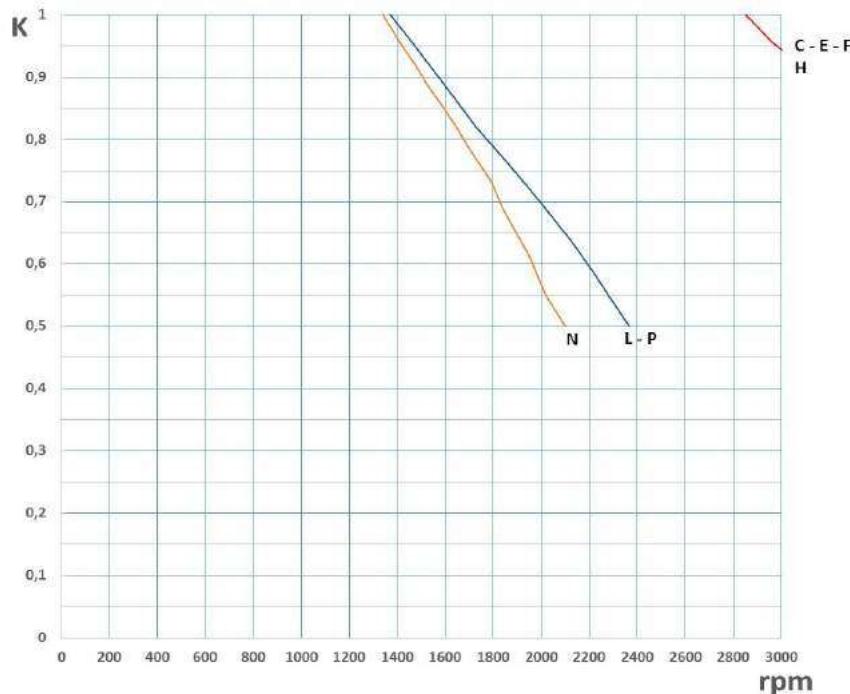
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1937					295	800	1454	91,9	0,0215	0,18
		2140				326	800	1455	92,3		
			2242			342	800	1457	92,4		
				2547		388	800	1455	92,8		
E	1586					241	660	1451	90,8	0,0330	0,28
		1755				266	660	1447	91,3		
			1839			279	660	1449	91,5		
				2092		317	660	1447	92,1		
					2429	368	660	1447	92,6		
F	1429					218	600	1457	90,4	0,0391	0,33
		1581				241	600	1456	91,0		
			1658			253	600	1457	91,2		
				1887		288	600	1458	91,8		
					2192	334	600	1455	92,4		
H	1252					191	530	1457	89,6	0,0503	0,40
		1387				212	530	1460	90,3		
			1455			222	530	1457	90,5		
				1657		253	530	1458	91,2		
					1927	294	530	1457	91,9		
L	1001					157	440	1498	88,2	0,0737	0,66
		1111				174	440	1496	89,0		
			1165			182	440	1492	89,4		
				1330		208	440	1494	90,2		
N	850					133	380	1494	86,4	0,1047	0,86
		945				147	380	1486	87,3		
			992			155	380	1492	87,8		
				1135		177	380	1489	88,8		
					1325	206	380	1485	89,9		
P	565					87	260	1471	82,7	0,2068	1,95
		631				97	260	1468	84,0		
			664			102	260	1467	84,5		
				763		117	260	1464	86,0		
					894	138	260	1474	87,5		

Note: other windings are available on request

Motor type RP225KS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening

Main features

	RP225KS5	
Field power	W	2000
Inertia	kgm^2	2
Max mechanical speed	rpm	3000
Weight IC06	kg	910
Weight IC17-IC37	kg	865
Weight IC86W	kg	1060
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--	112M2A
Power	kW	3	--	4
Current	A	5,95	--	7,4
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	28
Water flow rate	m^3/h	--	--	4,82
Pressure drop	Pa	--	--	12400
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	1	--
Static pressure	Pa	--	2000	--

Motor type RP225NM

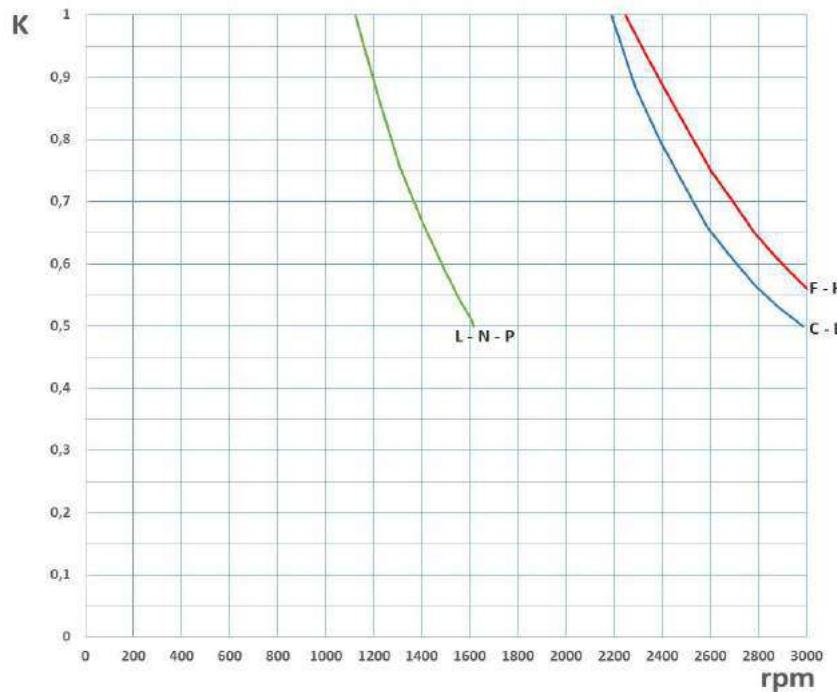
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1801					284	770	1506	91,7	0,0217	0,60
		1990				314	770	1507	92,1		
E	1480					233	635	1503	90,8	0,0313	0,81
		1637				257	635	1499	91,3		
			1715			269	635	1498	91,6		
				1950		306	635	1499	92,1		
F	1332					208	570	1491	90,3	0,0384	1,10
		1474				230	570	1490	90,8		
			1545			241	570	1490	91,1		
				1757		274	570	1489	91,7		
H	1169					181	500	1479	89,5	0,0493	1,40
		1294				200	500	1476	90,2		
			1357			210	500	1478	90,4		
				1545		239	500	1477	91,1		
					1796	278	500	1478	92,1		
L	935					148	415	1512	88,1	0,0729	2,14
N	800					125	355	1492	86,7	0,0989	3,24
		888				139	355	1495	87,6		
			932			146	355	1496	88,0		
P	527					82	245	1486	82,0	0,2128	6,40
		588				92	245	1494	83,4		
			619			96	245	1481	84,0		
				711		111	245	1491	85,5		
					833	130	245	1490	87,0		

Note: other windings are available on request

Motor type RP225NM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP225NM5		
Field power	W	2700
Inertia	kgm^2	2,15
Max mechanical speed	rpm	3000
Weight IC06	kg	970
Weight IC17-IC37	kg	925
Weight IC86W	kg	1120
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--
Power	kW	3	--
Current	A	5,95	--
Poles	n°.	2	--
Dissipated losses	kW	--	--
Water flow rate	m^3/h	--	4,82
Pressure drop	Pa	--	12400
Water flanges	DIN2566	--	DN40
Air flow rate	m^3/s	--	1
Static pressure	Pa	--	2000

Motor type RP225KM

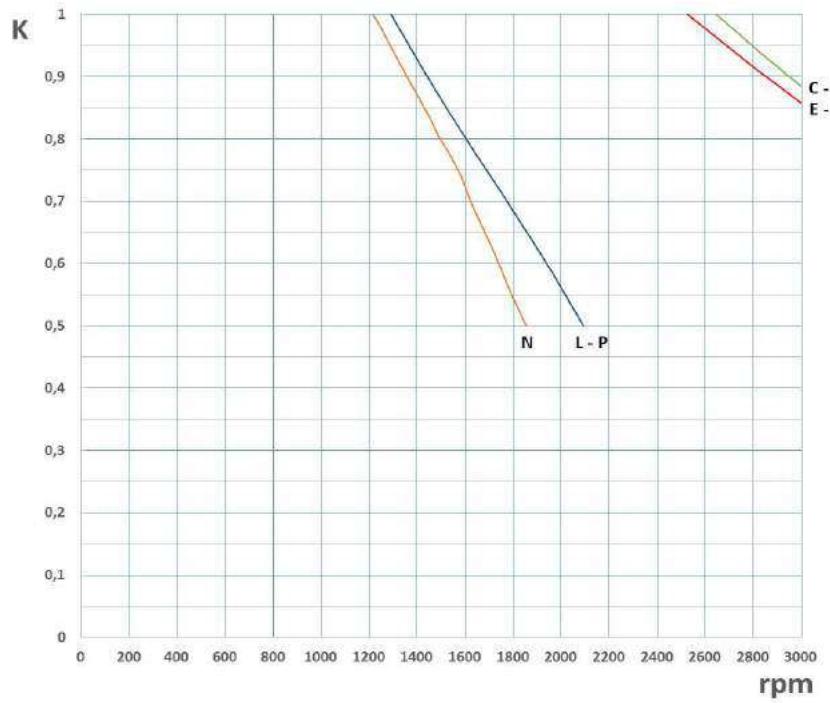
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1716					295	800	1642	91,7	0,0232	0,20
		1896				326	800	1642	92,1		
			1987			341	800	1639	92,3		
				2258		387	800	1637	92,7		
E	1403					240	660	1634	90,5	0,0356	0,31
		1553				266	660	1636	91,0		
			1628			279	660	1637	91,3		
				1853		317	660	1634	91,9		
					2153	368	660	1632	92,4		
F	1264					218	600	1647	90,0	0,0421	0,37
		1399				241	600	1645	90,6		
			1467			252	600	1640	90,9		
				1671		287	600	1640	91,6		
					1942	333	600	1638	92,2		
H	1107					190	530	1639	89,2	0,0542	0,44
		1227				211	530	1642	89,9		
			1287			221	530	1640	90,2		
				1467		252	530	1640	90,9		
					1707	293	530	1639	91,7		
L	883					156	440	1687	87,6	0,0795	0,74
		981				173	440	1684	88,5		
			1030			181	440	1678	88,9		
				1176		207	440	1681	89,8		
N	749					132	380	1683	85,6	0,1130	0,97
		833				146	380	1674	86,7		
			875			154	380	1681	87,1		
				1002		176	380	1677	88,3		
					1171	205	380	1672	89,4		
P	496					86	260	1656	81,6	0,2229	2,10
		555				96	260	1652	83,0		
			584			101	260	1652	83,6		
				672		117	260	1663	85,2		
					789	137	260	1658	86,8		

Note: other windings are available on request

Motor type RP225KM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

	RP225KM5	
Field power	W	2200
Inertia	kgm^2	2,15
Max mechanical speed	rpm	3000
Weight IC06	kg	970
Weight IC17-IC37	kg	925
Weight IC86W	kg	1120
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--	112M2A
Power	kW	3	--	4
Current	A	5,95	--	7,4
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	28
Water flow rate	m^3/h	--	--	4,82
Pressure drop	Pa	--	--	12400
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	1	--
Static pressure	Pa	--	2000	--

Motor type RP225NL

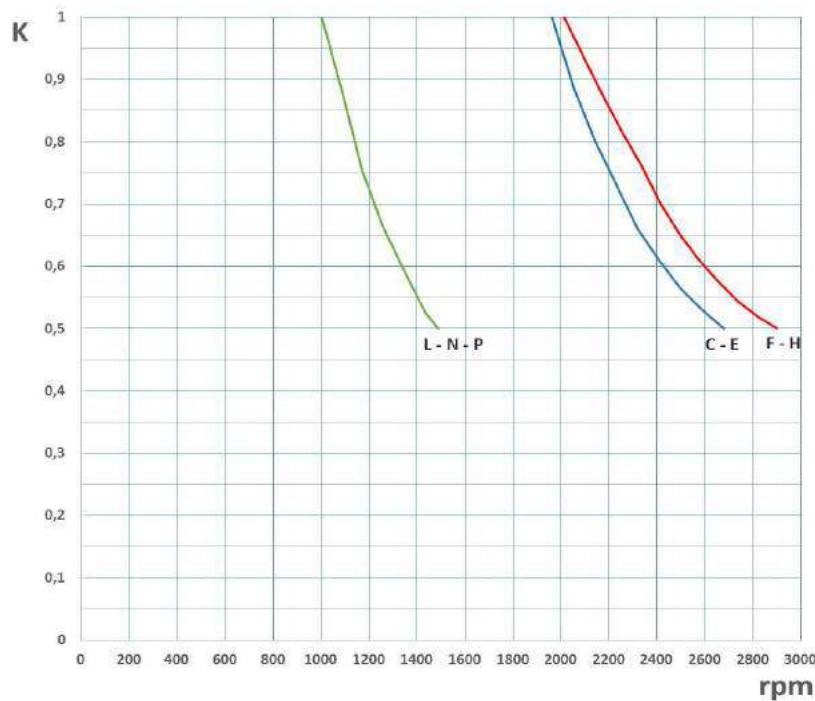
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1615					284	770	1679	91,4	0,0234	0,67
		1785				313	770	1675	91,9		
E	1327					232	635	1670	90,5	0,0338	0,81
		1468				257	635	1672	91,1		
			1538			269	635	1670	91,3		
				1750		306	635	1670	91,9		
F	1193					207	570	1657	89,9	0,0414	1,23
		1321				229	570	1656	90,5		
			1385			240	570	1655	90,8		
				1576		273	570	1654	91,5		
H	1047					180	500	1642	89,1	0,0531	1,56
		1160				200	500	1647	89,8		
			1216			209	500	1641	90,1		
				1385		238	500	1641	90,8		
L	836					278	500	1648	91,9		
N	714					147	415	1679	87,5	0,0785	2,39
		794				124	355	1659	86,0	0,1065	3,60
			833			138	355	1660	87,0		
P	469					145	355	1662	87,4	0,2294	7,10
		524				81	245	1649	81,0		
			551			91	245	1658	82,4		
				634		96	245	1664	83,1		
					744	110	245	1657	84,7		
						129	245	1656	86,3		

Note: other windings are available on request

Motor type RP225NL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP225NL5		
Field power	W	2900
Inertia	kgm^2	2,3
Max mechanical speed	rpm	3000
Weight IC06	kg	1030
Weight IC17-IC37	kg	985
Weight IC86W	kg	1180
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--
Power	kW	3	--
Current	A	5,95	--
Poles	n°.	2	--
Dissipated losses	kW	--	--
Water flow rate	m^3/h	--	4,82
Pressure drop	Pa	--	12400
Water flanges	DIN2566	--	DN40
Air flow rate	m^3/s	--	--
Static pressure	Pa	--	2000

Motor type RP225KL

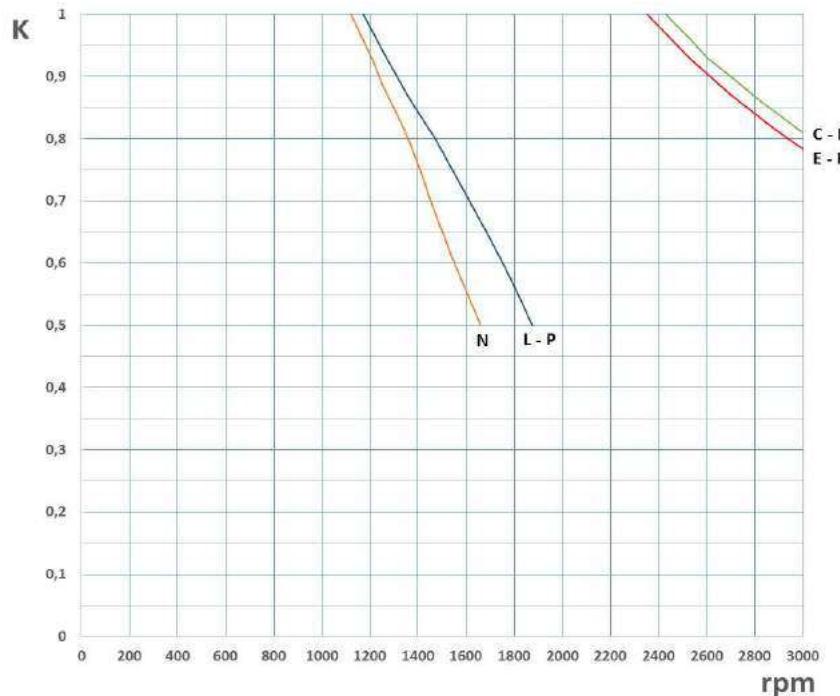
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1538					294	800	1826	91,4	0,0248	0,22
		1701				325	800	1825	91,9		
			1783			341	800	1826	92,1		
				2027		387	800	1823	92,6		
E	1257					240	660	1823	90,1	0,0382	0,34
		1392				265	660	1818	90,7		
			1460			278	660	1818	91,0		
				1662		316	660	1816	91,6		
					1932	367	660	1814	92,3		
F	1132					217	600	1831	89,6	0,0452	0,41
		1254				240	600	1828	90,3		
			1315			252	600	1830	90,6		
				1498		287	600	1830	91,3		
					1742	333	600	1826	92,0		
H	991					190	530	1831	88,7	0,0582	0,49
		1098				210	530	1827	89,4		
			1152			221	530	1832	89,8		
				1314		251	530	1824	90,6		
					1530	292	530	1823	91,4		
L	789					155	440	1876	87,0	0,0853	0,82
		877				172	440	1873	87,9		
			921			180	440	1866	88,3		
				1052		206	440	1870	89,3		
N	668					130	380	1859	84,8	0,1213	1,07
		744				145	380	1861	85,9		
			782			153	380	1868	86,4		
				896		175	380	1865	87,7		
					1048	204	380	1859	88,9		
P	441					85	260	1841	80,5	0,2391	2,40
		494				95	260	1837	82,0		
			520			100	260	1837	82,7		
				599		116	260	1849	84,4		
					704	136	260	1845	86,1		

Note: other windings are available on request

Motor type RP225KL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP225KL5		
Field power	W	2450
Inertia	kgm^2	2,3
Max mechanical speed	rpm	3000
Weight IC06	kg	1030
Weight IC17-IC37	kg	985
Weight IC86W	kg	1180
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--	112M2A
Power	kW	3	--	4
Current	A	5,95	--	7,4
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	28
Water flow rate	m^3/h	--	--	4,82
Pressure drop	Pa	--	--	12400
Water flanges	DIN2566	--	--	DN40
Air flow rate	m^3/s	--	1	--
Static pressure	Pa	--	2000	--

Motor type RP225NP

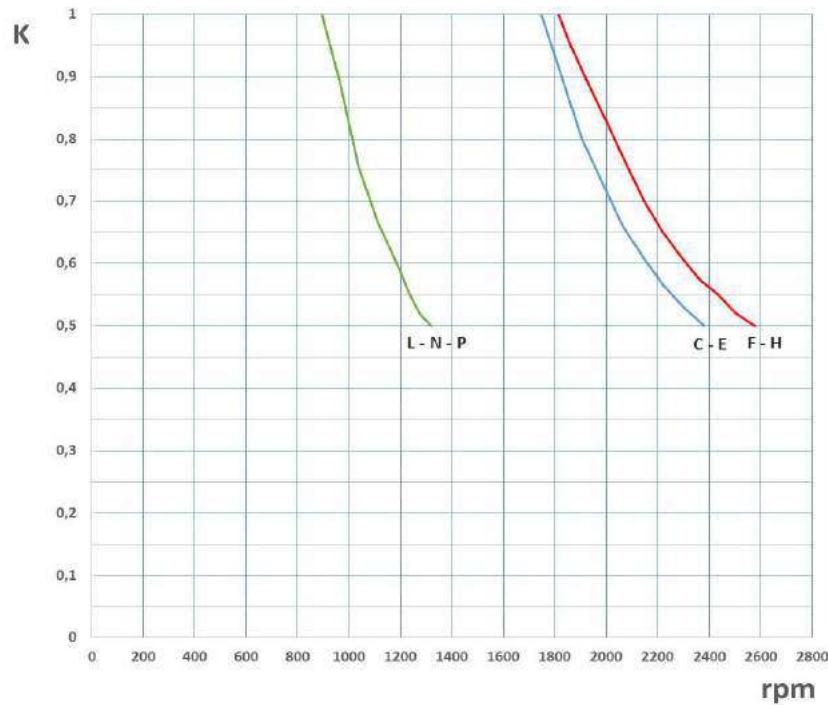
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1436					283	770	1882	91,1	0,0254	0,75
		1588				313	770	1882	91,6		
E	1179					231	635	1871	90,1	0,0367	0,90
		1305				256	635	1873	90,7		
			1367			268	635	1872	91,0		
				1556		305	635	1872	91,6		
F	1060					206	570	1856	89,4	0,0450	1,37
		1174				228	570	1855	90,1		
			1231			239	570	1854	90,4		
				1401		272	570	1854	91,1		
H	929					179	500	1840	88,6	0,0577	1,74
		1030				199	500	1845	89,3		
			1080			208	500	1839	89,6		
				1231		237	500	1839	90,5		
					1432	277	500	1847	91,5		
L	741					146	415	1882	86,8	0,0854	1,55
N	632					123	355	1859	85,2	0,1157	4,00
		703				137	355	1861	86,3		
			738			144	355	1863	86,8		
P	413					80	245	1850	79,7	0,2493	7,90
		462				90	245	1860	81,3		
			486			94	245	1847	82,0		
				560		109	245	1859	83,7		
					658	129	245	1872	85,9		

Note: other windings are available on request

Motor type RP225NP

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening

Main features

	RP225NP5	
Field power	W	3000
Inertia	kgm^2	2,5
Max mechanical speed	rpm	2800
Weight IC06	kg	1095
Weight IC17-IC37	kg	1050
Weight IC86W	kg	1245
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--
Power	kW	3	--
Current	A	5,95	--
Poles	n°.	2	--
Dissipated losses	kW	--	--
Water flow rate	m^3/h	--	--
Pressure drop	Pa	--	--
Water flanges	DIN2566	--	--
Air flow rate	m^3/s	--	1
Static pressure	Pa	--	2000

Motor type RP225KP

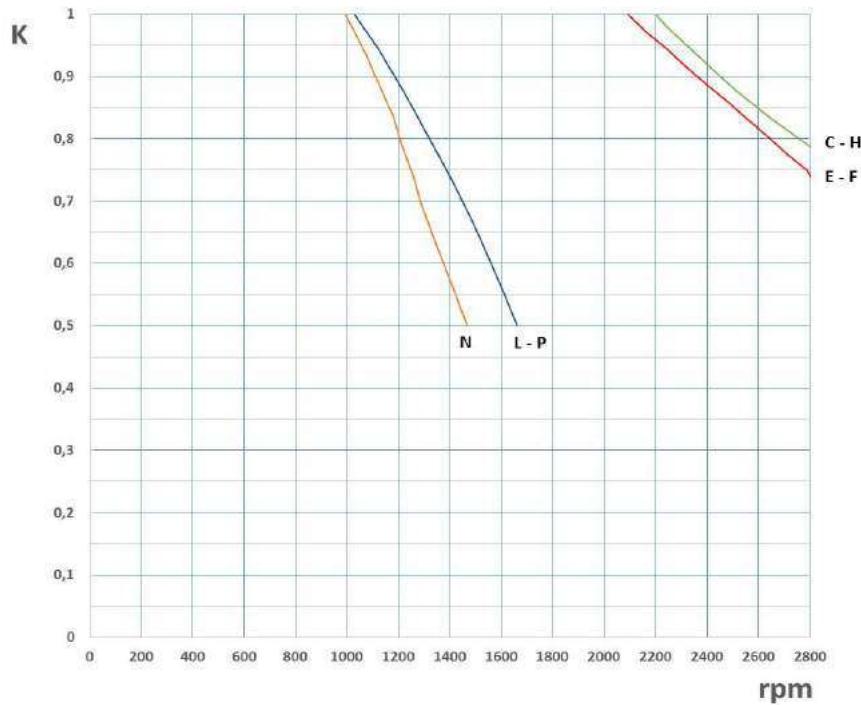
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1368					293	800	2045	91,1	0,0268	0,24
		1513				324	800	2045	91,6		
			1586			340	800	2047	91,8		
				1804		386	800	2043	92,4		
E	1116					239	660	2045	89,7	0,0412	0,38
		1237				264	660	2038	90,3		
			1297			277	660	2040	90,6		
				1478		315	660	2035	91,3		
					1719	366	660	2033	92,0		
F	1004					216	600	2055	89,1	0,0488	0,56
		1113				239	600	2051	89,8		
			1168			251	600	2052	90,2		
				1331		286	600	2052	90,9		
					1549	332	600	2047	91,7		
H	878					189	530	2056	88,1	0,0629	0,55
		975				209	530	2047	88,9		
			1023			220	530	2054	89,3		
				1168		250	530	2044	90,2		
					1360	291	530	2043	91,1		
L	699					154	440	2104	86,3	0,0923	0,92
		777				171	440	2102	87,3		
			816			179	440	2095	87,7		
				934		205	440	2096	88,8		
N	590					129	380	2088	83,9	0,1312	1,20
		658				144	380	2090	85,1		
			692			151	380	2084	85,6		
				793		174	380	2095	87,0		
					929	203	380	2087	88,4		
P	388					84	260	2068	79,2	0,2584	2,85
		435				94	260	2064	80,8		
			458			99	260	2064	81,6		
				529		114	260	2058	83,4		
					623	135	260	2069	85,3		

Note: other windings are available on request

Motor type RP225KP

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP225KP5		
Field power	W	2650
Inertia	kgm ²	2,5
Max mechanical speed	rpm	2800
Weight IC06	kg	1095
Weight IC17-IC37	kg	1050
Weight IC86W	kg	1245
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	100L2	--	112M2A
Power	kW	3	--	4
Current	A	5,95	--	7,4
Poles	n°.	2	--	2
Dissipated losses	kW	--	--	28
Water flow rate	m ³ /h	--	--	4,82
Pressure drop	Pa	--	--	12400
Water flanges	DIN2566	--	--	DN40
Air flow rate	m ³ /s	--	1	--
Static pressure	Pa	--	2000	--

Motor type RP225NX

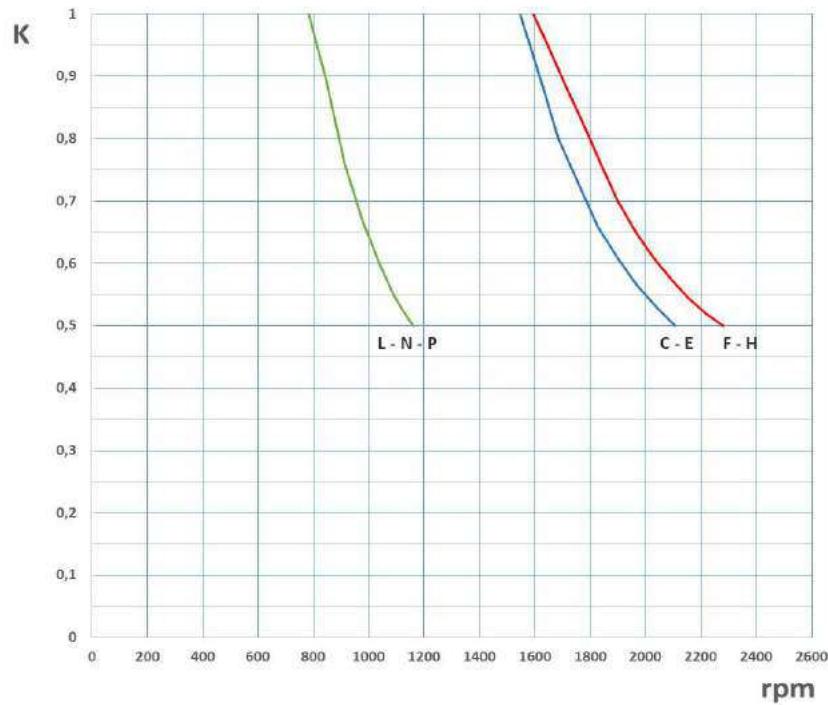
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1270					282	770	2121	90,7	0,0278	0,84
		1405				312	770	2121	91,3		
E	1042					230	635	2108	89,6	0,0401	1,02
		1153				255	635	2112	90,3		
			1209			267	635	2109	90,6		
				1377		304	635	2108	91,3		
F	936					205	570	2092	88,9	0,0491	1,55
		1037				227	570	2091	89,6		
			1088			238	570	2089	90,0		
				1240		271	570	2087	90,7		
H	820					178	500	2073	87,9	0,0630	1,96
		909				198	500	2080	88,7		
			954			207	500	2072	89,1		
				1088		236	500	2072	90,0		
					1267	275	500	2073	90,9		
L	652					145	415	2124	86,0	0,0933	3,01
N	556					122	355	2096	84,3	0,1264	4,53
		619				136	355	2098	85,4		
			650			143	355	2101	86,0		
P	361					79	245	2090	78,3	0,2725	8,90
		404				88	245	2080	80,0		
			426			93	245	2085	80,8		
				491		108	245	2101	82,6		
					579	127	245	2095	85,0		

Note: other windings are available on request

Motor type RP225NX

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP225NX5		
Field power	W	3300
Inertia	kgm ²	2,6
Max mechanical speed	rpm	2600
Weight IC06	kg	1160
Weight IC17-IC37	kg	1120
Weight IC86W	kg	1310
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor type	100L2	--	112M2A
Power	kW	3	4
Current	A	5,95	7,4
Poles	n°.	2	2
Dissipated losses	kW	--	28
Water flow rate	m ³ /h	--	4,82
Pressure drop	Pa	--	12400
Water flanges	DIN2566	--	DN40
Air flow rate	m ³ /s	--	--
Static pressure	Pa	--	2000

Motor type RP225KX

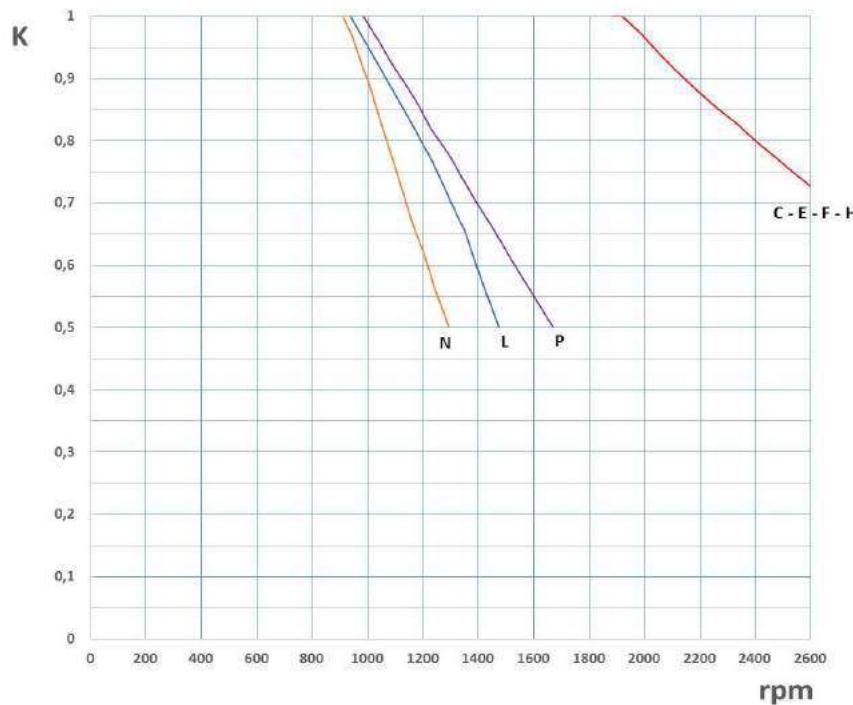
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
C	1210					292	800	2305	90,7	0,0292	0,27
		1339				323	800	2304	91,3		
			1404			339	800	2306	91,5		
				1597		385	800	2302	92,1		
E	986					237	660	2295	89,1	0,0448	0,42
		1093				263	660	2298	89,9		
			1147			276	660	2298	90,2		
				1307		314	660	2294	91,0		
					1521	365	660	2292	91,7		
F	886					215	600	2317	88,6	0,0531	0,51
		983				238	600	2312	89,3		
			1032			250	600	2313	89,7		
				1177		285	600	2312	90,5		
					1371	331	600	2306	91,4		
H	774					187	530	2307	87,4	0,0683	0,61
		860				208	530	2310	88,3		
			903			218	530	2306	88,7		
				1032		249	530	2304	89,7		
					1203	290	530	2302	90,7		
L	615					152	440	2360	85,4	0,1004	1,03
		685				169	440	2356	86,5		
			719			178	440	2364	87,0		
				824		204	440	2364	88,2		
N	518					128	380	2360	82,8	0,1428	1,30
		578				143	380	2363	84,2		
			608			150	380	2356	84,7		
				699		172	380	2350	86,2		
					819	202	380	2355	87,7		
P	339					83	260	2338	77,7	0,2810	3,01
		380				93	260	2337	79,5		
			401			98	260	2334	80,3		
				464		113	260	2326	82,3		
					547	133	260	2322	84,3		

Note: other windings are available on request

Motor type RP225KX

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening

Main features

RP225KX5		
Field power	W	2800
Inertia	kgm ²	2,6
Max mechanical speed	rpm	2600
Weight IC06	kg	1160
Weight IC17-IC37	kg	1120
Weight IC86W	kg	1310
DE bearing	roller	NU2218-C3
NDE bearing	ball	6315-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor type	100L2	--	112M2A
Power	kW	3	--
Current	A	5,95	--
Poles	n°.	2	--
Dissipated losses	kW	--	--
Water flow rate	m ³ /h	--	4,82
Pressure drop	Pa	--	12400
Water flanges	DIN2566	--	DN40
Air flow rate	m ³ /s	--	--
Static pressure	Pa	--	2000

Motor type RP250KS

IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1641					336	910	1955	91,8	0,0191	0,18
		1813				371	910	1954	92,2		
			1899			388	910	1951	92,4		
				2158		441	910	1952	92,8		
G	1365					312	852	2183	91,2	0,0251	0,27
		1510				345	852	2182	91,7		
			1582			362	852	2185	91,9		
				1799		411	852	2182	92,4		
					2089	477	852	2181	92,9		
L	1147					263	724	2190	90,1	0,0354	0,34
		1271				291	724	2187	90,7		
			1332			305	724	2187	91,0		
				1517		347	724	2184	91,6		
					1764	403	724	2182	92,3		
M	1002					231	643	2202	89,2	0,0457	0,44
		1111				256	643	2201	89,9		
			1165			269	643	2205	90,2		
				1329		306	643	2199	91,0		
					1546	356	643	2199	91,7		
P	837					191	541	2179	87,5	0,0664	0,61
		929				212	541	2179	88,4		
			975			223	541	2184	88,8		
				1114		254	541	2177	89,7		
					1299	296	541	2176	90,7		
R	786					180	510	2187	87,4	0,0710	0,71
		873				200	510	2188	88,3		
			917			210	510	2187	88,7		
				1047		240	510	2189	89,7		
					1221	279	510	2182	90,6		
T	631					144	415	2179	85,9	0,1013	1,11
		702				160	415	2177	86,9		
			737			168	415	2177	87,4		
				844		193	415	2184	88,5		
					986	225	415	2179	89,7		

Note: other windings are available on request

Motor type RP250KS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP250KS5		
Field power	W	2500
Inertia	kgm ²	3,65
Max mechanical speed	rpm	2800
Weight IC06	kg	1200
Weight IC17-IC37	kg	1145
Weight IC86W	kg	1405
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m ³ /h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP250KM

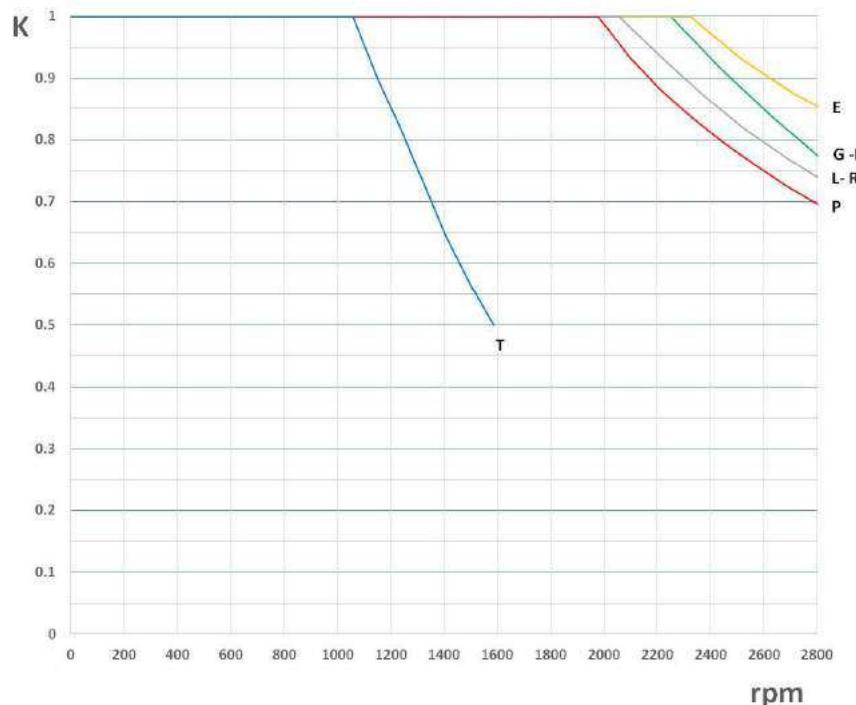
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1472					335	910	2173	91,6	0,0203	0,20
		1627				370	910	2172	92,0		
			1705			388	910	2173	92,2		
				1938		440	910	2168	92,7		
G	1223					311	851	2428	90,9	0,0268	0,31
		1354				344	851	2426	91,4		
			1419			361	851	2430	91,6		
				1615		410	851	2424	92,2		
					1876	476	851	2423	92,8		
L	1028					262	724	2434	89,7	0,0379	0,39
		1139				290	724	2432	90,4		
			1194			304	724	2431	90,7		
				1361		346	724	2428	91,4		
					1583	402	724	2425	92,1		
M	897					230	643	2449	88,7	0,0489	0,48
		995				255	643	2447	89,5		
			1044			268	643	2452	89,8		
				1191		305	643	2446	90,7		
					1387	355	643	2444	91,5		
P	748					190	541	2426	86,9	0,0710	0,67
		831				211	541	2425	87,9		
			873			222	541	2429	88,3		
				997		253	541	2423	89,3		
					1164	295	541	2420	90,3		
R	703					179	510	2432	86,8	0,0759	0,79
		781				199	510	2433	87,8		
			820			209	510	2434	88,2		
				937		239	510	2436	89,2		
					1094	278	510	2427	90,3		
T	563					143	415	2426	85,2	0,1083	1,24
		627				159	415	2422	86,3		
			659			167	415	2420	86,8		
				755		192	415	2429	88,0		
					882	224	415	2425	89,2		

Note: other windings are available on request

Motor type RP250KM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening

Main features

	RP250KM5	
Field power	W	2700
Inertia	kgm^2	3,9
Max mechanical speed	rpm	2800
Weight IC06	kg	1275
Weight IC17-IC37	kg	1220
Weight IC86W	kg	1480
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

	IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--
Power	kW	4	--
Current	A	8,6	--
Poles	n°.	4	--
Dissipated losses	kW	--	--
Water flow rate	m^3/h	--	--
Pressure drop	Pa	--	--
Water flanges	DIN2566	--	--
Air flow rate	m^3/s	--	1,5
Static pressure	Pa	--	1600

Motor type RP250KL

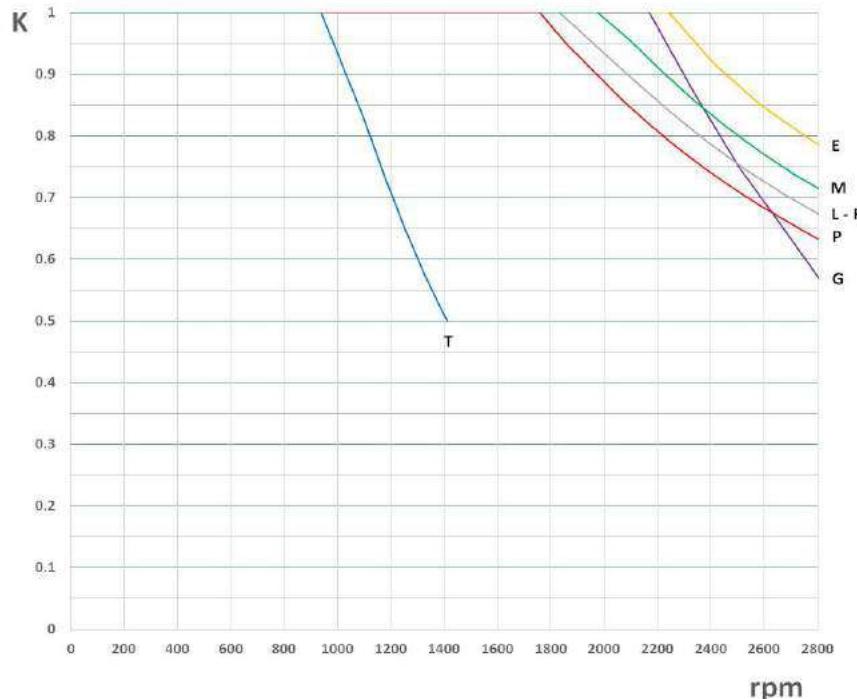
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1309					335	910	2444	91,3	0,0219	0,22
		1448				370	910	2440	91,8		
			1517			387	910	2436	92,0		
				1725		440	910	2436	92,5		
G	1087					310	852	2724	90,5	0,0289	0,33
		1203				344	852	2731	91,1		
			1262			360	852	2724	91,3		
				1436		410	852	2727	92,0		
					1669	475	852	2718	92,6		
L	912					261	724	2733	89,2	0,0408	0,43
		1011				289	724	2730	90,0		
			1061			303	724	2727	90,3		
				1209		345	724	2725	91,0		
					1408	401	724	2720	91,8		
M	795					229	643	2751	88,2	0,0527	0,54
		883				254	643	2747	89,0		
			942			266	643	2740	89,4		
				1058		304	643	2744	90,2		
					1233	354	643	2742	91,1		
P	662					189	541	2727	86,2	0,0765	0,76
		736				210	541	2725	87,2		
			773			220	541	2718	87,7		
				885		252	541	2719	88,8		
					1034	294	541	2715	89,9		
R	622					178	510	2733	86,1	0,0819	0,88
		692				198	510	2733	87,1		
			727			208	510	2732	87,6		
				832		237	510	2720	88,7		
					971	277	510	2724	89,8		
T	498					142	415	2723	84,3	0,1168	1,39
		555				158	415	2719	85,5		
			583			166	415	2719	86,0		
				669		191	415	2727	87,3		
					783	223	415	2720	88,7		

Note: other windings are available on request

Motor type RP250KL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP250KL5		
Field power	W	2900
Inertia	kgm ²	4,2
Max mechanical speed	rpm	2900
Weight IC06	kg	1365
Weight IC17-IC37	kg	1310
Weight IC86W	kg	1570
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m ³ /h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP250KP

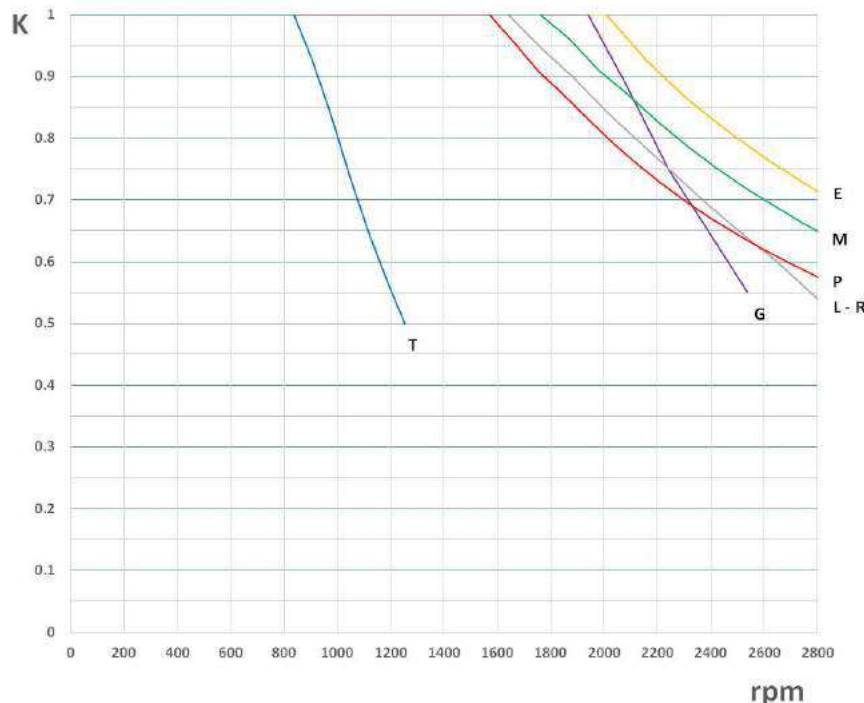
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1170					334	910	2726	91,0	0,0237	0,24
		1295				369	910	2721	91,5		
			1357			386	910	2717	91,7		
				1543		439	910	2717	92,3		
G	970					309	851	3042	90,0	0,0313	0,35
		1075				342	851	3038	90,7		
			1127			358	851	3034	90,9		
				1284		408	851	3035	91,6		
					1493	474	851	3032	92,3		
L	814					259	724	3039	88,7	0,0443	0,46
		903				287	724	3035	89,4		
			948			301	724	3032	89,8		
				1082		343	724	3027	90,6		
					1260	400	724	3032	91,5		
M	708					227	643	3062	87,5	0,0572	0,58
		786				252	643	3062	88,4		
			825			265	643	3068	88,8		
				943		302	643	3058	89,7		
					1100	352	643	3056	90,7		
P	589					187	541	3032	85,4	0,0830	0,81
		656				208	541	3028	86,5		
			689			219	541	3035	87,0		
				790		250	541	3022	88,2		
					923	292	541	3021	89,4		
R	553					176	510	3039	85,2	0,0888	0,94
		615				196	510	3044	86,4		
			647			206	510	3041	86,8		
				741		236	510	3042	88,1		
					866	276	510	3044	89,3		
T	441					140	415	3032	83,3	0,1267	1,48
		493				157	415	3041	84,6		
			518			165	415	3042	85,1		
				595		189	415	3034	86,6		
					697	221	415	3028	88,0		

Note: other windings are available on request

Motor type RP250KP

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP250KP5		
Field power	W	3100
Inertia	kgm^2	4,5
Max mechanical speed	rpm	2800
Weight IC06	kg	1460
Weight IC17-IC37	kg	1410
Weight IC86W	kg	1665
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m^3/h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,5	--
Static pressure	Pa	--	1600	--

Note: other windings are available on request

Motor type RP250KX

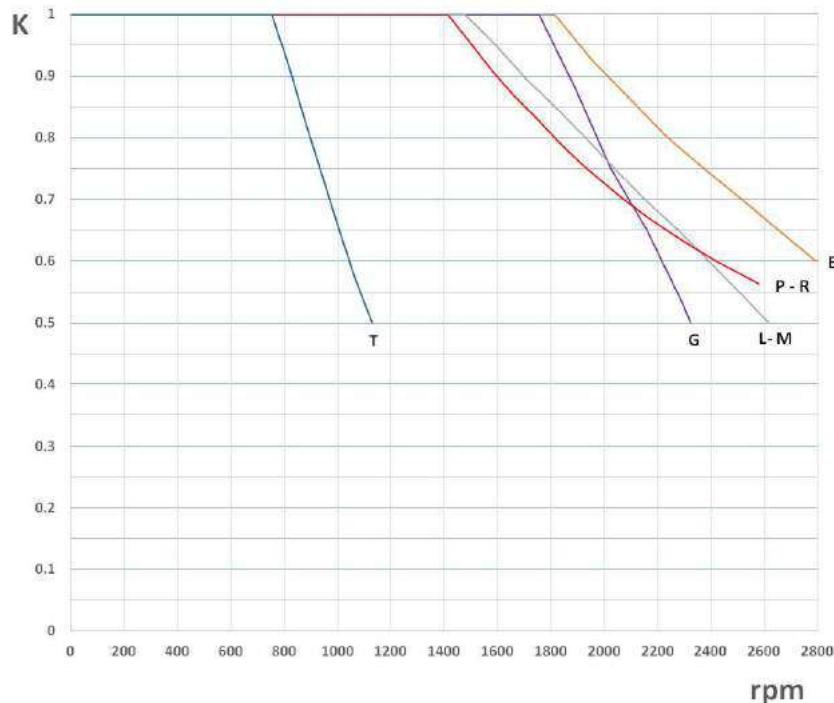
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1057					332	910	3000	90,6	0,0257	0,26
		1170				367	910	2996	91,1		
			1227			385	910	2997	91,4		
				1396		438	910	2996	92,0		
G	875					307	851	3351	89,4	0,0341	0,38
		970				340	851	3347	90,1		
			1018			357	851	3349	90,4		
				1160		406	851	3343	91,2		
					1350	472	851	3339	92,0		
L	734					257	724	3344	88,0	0,0482	0,49
		814				285	724	3344	88,8		
			855			299	724	3340	89,2		
				976		342	724	3346	90,1		
					1138	398	724	3340	91,0		
M	637					225	643	3373	86,7	0,0623	0,62
		708				250	643	3372	87,6		
			743			263	643	3380	88,1		
				850		300	643	3371	89,1		
					993	350	643	3366	90,2		
P	529					185	541	3340	84,4	0,0903	0,87
		590				206	541	3334	85,6		
			620			217	541	3343	86,1		
				711		248	541	3331	87,4		
					832	290	541	3329	88,7		
R	496					174	510	3350	84,2	0,0967	1,01
		553				194	510	3350	85,4		
			582			204	510	3347	86,0		
				667		234	510	3350	87,3		
					781	274	510	3350	88,6		
T	395					138	415	3336	82,1	0,1380	1,59
		442				155	415	3349	83,5		
			465			163	415	3348	84,1		
				535		187	415	3338	85,7		
					628	220	415	3346	87,2		

Note: other windings are available on request

Motor type RP250KX

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP250KX5		
Field power	W	3300
Inertia	kgm^2	4,9
Max mechanical speed	rpm	2600
Weight IC06	kg	1565
Weight IC17-IC37	kg	1510
Weight IC86W	kg	1770
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m^3/h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP280KS

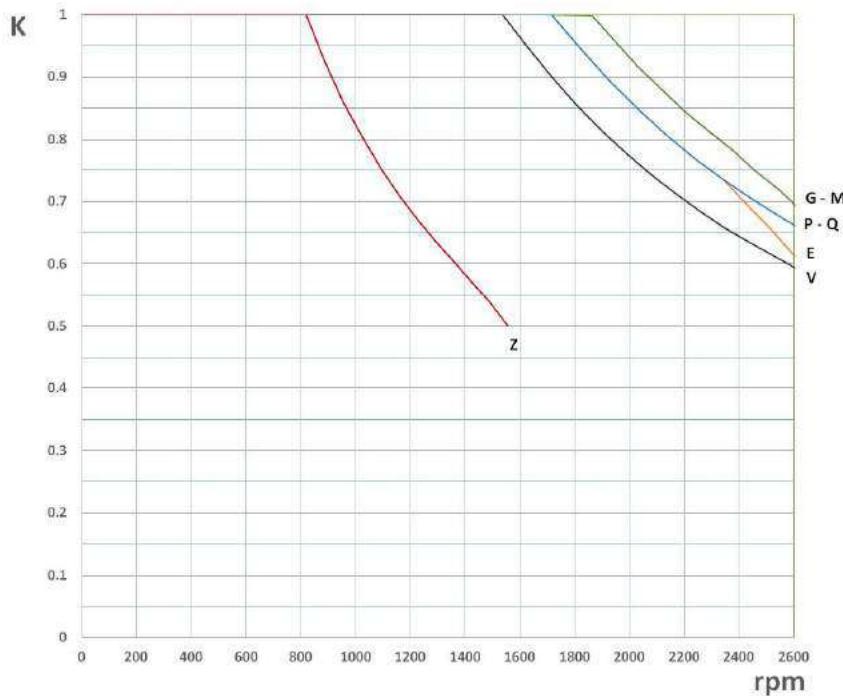
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1318					457	1235	3311	92,0	0,0157	0,17
		1458				505	1235	3308	92,5		
			1527			529	1235	3308	92,7		
				1736		601	1235	3306	93,2		
G	1105					377	1031	3258	90,9	0,0222	0,23
		1223				417	1031	3256	91,5		
			1282			437	1031	3255	91,7		
				1459		498	1031	3260	92,5		
					1695	579	1031	3262	93,2		
M	941					322	886	3268	90,2	0,0303	0,35
		1042				357	886	3272	90,9		
			1093			374	886	3268	91,2		
				1245		427	886	3275	92,1		
					1448	497	886	3278	93,0		
P	810					277	772	3266	88,9	0,0410	0,42
		898				307	772	3265	89,8		
			943			322	772	3261	90,1		
				1075		368	772	3269	91,1		
					1252	429	772	3272	92,0		
Q	689					237	670	3285	87,5	0,0557	0,58
		765				263	670	3283	88,4		
			804			276	670	3278	88,8		
				918		316	670	3287	90,0		
					1071	368	670	3281	91,1		
V	578					197	567	3255	86,0	0,0737	0,78
		643				220	567	3267	87,1		
			676			230	567	3249	87,5		
				773		264	567	3262	88,8		
					903	309	567	3268	90,0		
Z	511					175	500	3271	86,2	0,0830	0,98
		568				194	500	3262	87,3		
			597			204	500	3263	87,7		
				683		234	500	3272	89,0		

Note: other windings are available on request

Motor type RP280KS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP280KS6		
Field power	W	3100
Inertia	kgm^2	5,05
Max mechanical speed	rpm	2600
Weight IC06	kg	1665
Weight IC17-IC37	kg	1600
Weight IC86W	kg	1955
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m^3/h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP280KM

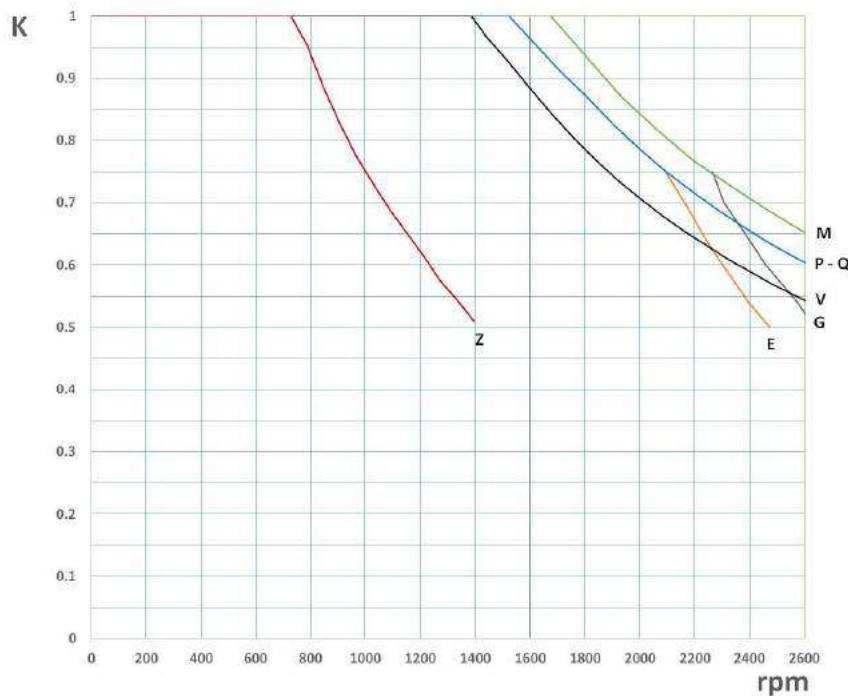
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1173					456	1235	3713	91,7	0,0168	0,18
		1297				504	1235	3711	92,3		
			1359			528	1235	3710	92,5		
				1546		600	1235	3706	93,1		
G	982					376	1031	3657	90,6	0,0238	0,27
		1088				416	1031	3651	91,2		
			1140			437	1031	3661	91,5		
				1298		497	1031	3657	92,2		
					1509	578	1031	3658	93,0		
M	836					321	886	3667	89,8	0,0326	0,37
		926				355	886	3661	90,5		
			971			373	886	3669	90,8		
				1107		426	886	3675	91,8		
					1288	495	886	3670	92,7		
P	719					275	772	3653	88,4	0,0440	0,47
		798				306	772	3662	89,3		
			837			321	772	3663	89,6		
				956		367	772	3666	90,6		
					1114	427	772	3661	91,7		
Q	610					235	670	3679	86,8	0,0598	0,65
		679				261	670	3671	87,7		
			679			261	670	3671	87,8		
				815		314	670	3679	89,5		
					952	367	670	3682	90,6		
V	512					196	567	3656	85,2	0,0791	0,87
		570				218	567	3652	86,4		
			599			229	567	3651	86,9		
				686		263	567	3661	88,2		
					802	307	567	3656	89,6		
Z	452					173	500	3655	85,4	0,0889	1,11
		504				193	500	3657	86,6		
			529			203	500	3665	87,1		
				606		232	500	3656	88,4		

Note: other windings are available on request

Motor type RP280KM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP280KM6		
Field power	W	3500
Inertia	kgm^2	5,45
Max mechanical speed	rpm	2600
Weight IC06	kg	1785
Weight IC17-IC37	kg	1720
Weight IC86W	kg	2075
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m^3/h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP280KL

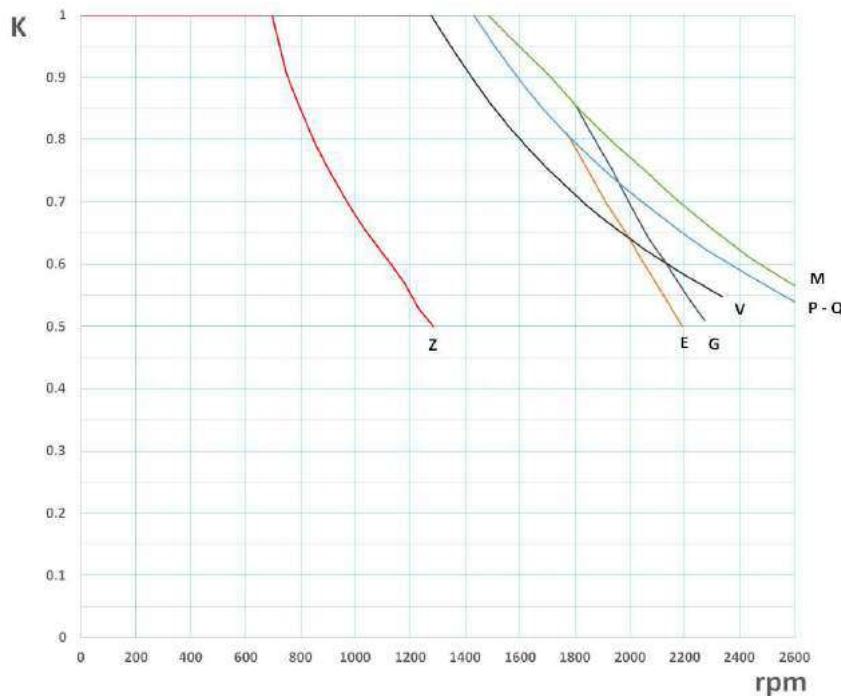
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	1038					454	1235	4177	91,4	0,0181	0,21
		1148				503	1235	4184	92,0		
			1204			527	1235	4180	92,3		
				1370		599	1235	4176	92,9		
G	869					375	1031	4121	90,2	0,0257	0,29
		962				415	1031	4120	90,9		
			1009			435	1031	4117	91,2		
				1149		496	1031	4123	92,0		
					1336	577	1031	4125	92,8		
M	738					319	886	4128	89,2	0,0352	0,40
		818				354	886	4133	90,0		
			859			371	886	4125	90,4		
				979		424	886	4136	91,4		
					1140	494	886	4138	92,4		
P	634					274	772	4127	87,7	0,0476	0,52
		704				304	772	4124	88,7		
			739			319	772	4122	89,1		
				845		365	772	4125	90,2		
					985	426	772	4130	91,3		
Q	538					233	670	4136	86,1	0,0646	0,73
		598				260	670	4152	87,2		
			629			273	670	4145	87,6		
				720		313	670	4152	88,9		
					841	365	670	4145	90,2		
V	450					194	567	4117	84,4	0,0855	0,96
		502				216	567	4109	85,7		
			528			227	567	4106	86,2		
				605		261	567	4120	87,6		
					708	306	567	4128	89,0		
Z	398					172	500	4127	84,6	0,0958	1,25
		444				192	500	4130	85,8		
			466			201	500	4119	86,3		
				535		231	500	4123	87,8		

Note: other windings are available on request

Motor type RP280KL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening

Main features

RP280KL6		
Field power	W	3700
Inertia	kgm ²	5,9
Max mechanical speed	rpm	2600
Weight IC06	kg	1925
Weight IC17-IC37	kg	1860
Weight IC86W	kg	2215
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m ³ /h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP280KP

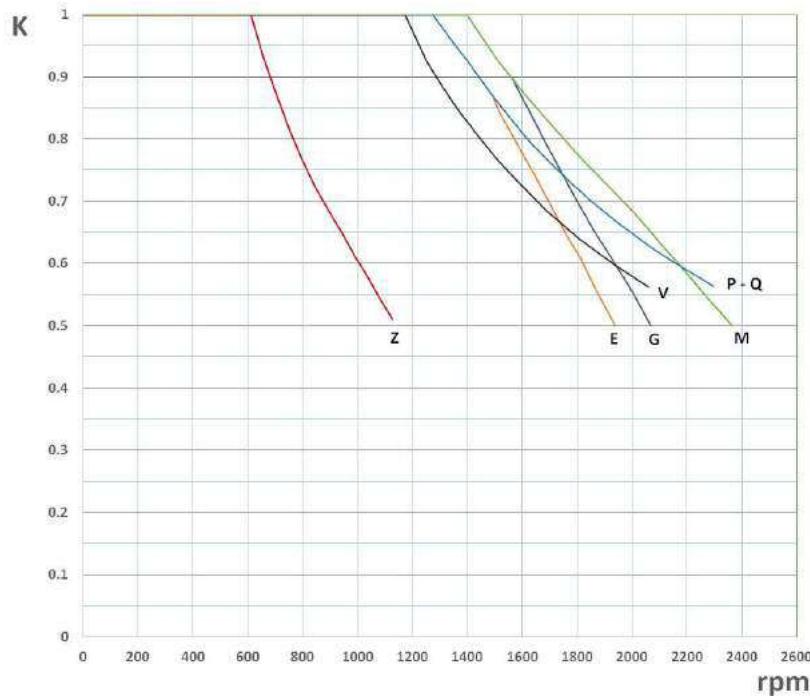
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]
	400 V	440 V	460 V	520 V	600 V						
E	916					453	1235	4723	91,0	0,0197	0,23
		1014				501	1235	4718	91,7		
			1063			526	1235	4726	92,0		
				1211		598	1235	4716	92,6		
G	766					373	1031	4650	89,7	0,0279	0,32
		849				413	1031	4646	90,5		
			891			434	1031	4652	90,8		
				1015		495	1031	4657	91,7		
					1181	576	1031	4658	92,6		
M	650					317	886	4657	88,6	0,0382	0,44
		721				352	886	4662	89,5		
			757			369	886	4655	89,9		
				864		422	886	4664	90,9		
					1007	492	886	4666	92,0		
P	557					272	772	4664	87,0	0,0516	0,57
		620				302	772	4652	88,0		
			651			317	772	4650	88,5		
				744		363	772	4659	89,6		
					869	424	772	4660	90,8		
Q	472					231	670	4674	85,2	0,0700	0,80
		526				258	670	4684	86,3		
			553			271	670	4680	86,8		
				634		310	670	4670	88,2		
					741	363	670	4678	89,6		
V	395					192	567	4642	83,4	0,0927	1,05
		441				214	567	4634	84,7		
			463			225	567	4641	85,3		
				532		259	567	4649	86,8		
					624	304	567	4653	88,4		
Z	349					170	500	4652	83,6	0,1037	1,38
		390				190	500	4653	84,9		
			410			200	500	4659	85,5		
				470		229	500	4653	87,0		

Note: other windings are available on request

Motor type RP280KP

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

RP280KP6		
Field power	W	4000
Inertia	kgm^2	6,4
Max mechanical speed	rpm	2400
Weight IC06	kg	2075
Weight IC17-IC37	kg	2010
Weight IC86W	kg	2365
DE bearing	roller	NU2220-C3
NDE bearing	ball	6318-C3

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	112M4A	--	132S2A
Power	kW	4	--	5,5
Current	A	8,6	--	10,5
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	40
Water flow rate	m^3/h	--	--	12,6
Pressure drop	Pa	--	--	26500
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,5	--
Static pressure	Pa	--	1600	--

Motor type RP315KS

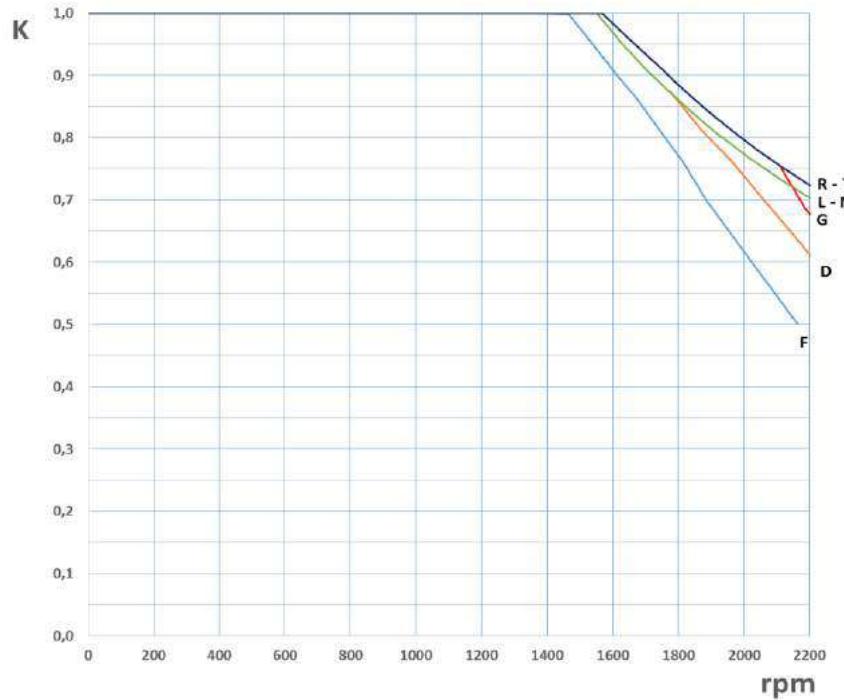
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
D	1205					551	1479	4367	92,6	0,0118	0,16	8
		1332				608	1479	4359	93,1			
			1396			637	1479	4358	93,2			
				1586		723	1479	4353	93,7			
F	1059					504	1360	4545	92,1	0,0147	0,20	6
		1172				557	1360	4539	92,6			
			1228			583	1360	4534	92,8			
				1396		663	1360	4536	93,3			
G	952					460	1250	4614	91,5	0,0180	0,25	6
		1053				509	1250	4616	92,1			
			1104			533	1250	4611	92,3			
				1256		606	1250	4608	92,9			
					1459	704	1250	4608	93,5			
L	788					379	1040	4593	90,5	0,0255	0,33	6
		873				420	1040	4595	91,2			
			915			440	1040	4592	91,4			
				1043		501	1040	4587	92,1			
					1212	582	1040	4586	92,9			
N	687					325	900	4518	89,7	0,0330	0,46	6
		761				360	900	4518	90,4			
			799			378	900	4518	90,7			
				911		431	900	4518	91,5			
					1060	501	900	4514	92,3			
R	573					272	765	4533	88,1	0,0469	0,59	6
		637				302	765	4528	89,0			
			668			317	765	4532	89,4			
				763		362	765	4531	90,3			
					890	421	765	4517	91,3			
T	503					236	670	4481	87,2	0,0586	0,80	6
		559				262	670	4476	88,1			
			587			275	670	4474	88,6			
				672		315	670	4477	89,6			
					784	367	670	4470	90,7			

Note: other windings are available on request

Motor type RP315KS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP315KS6	RP315KS8
Field power	W	3200	
Inertia	kgm ²	10	10,4
Max mechanical speed	rpm	2400	2200
Weight IC06	kg	2155	2210
Weight IC17-IC37	kg	2045	2100
Weight IC86W	kg	2425	2480
DE bearing	roller	NU321-C3	
NDE bearing	ball	6321-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	132S4A/132S2B	--	132S2B
Power	kW	5,5/7,5	--	7,5
Current	A	11,1/14,8	--	13,9
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	45
Water flow rate	m ³ /h	--	--	12
Pressure drop	Pa	--	--	18000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	1,75	--
Static pressure	Pa	--	1400	--

Motor type RP315KM

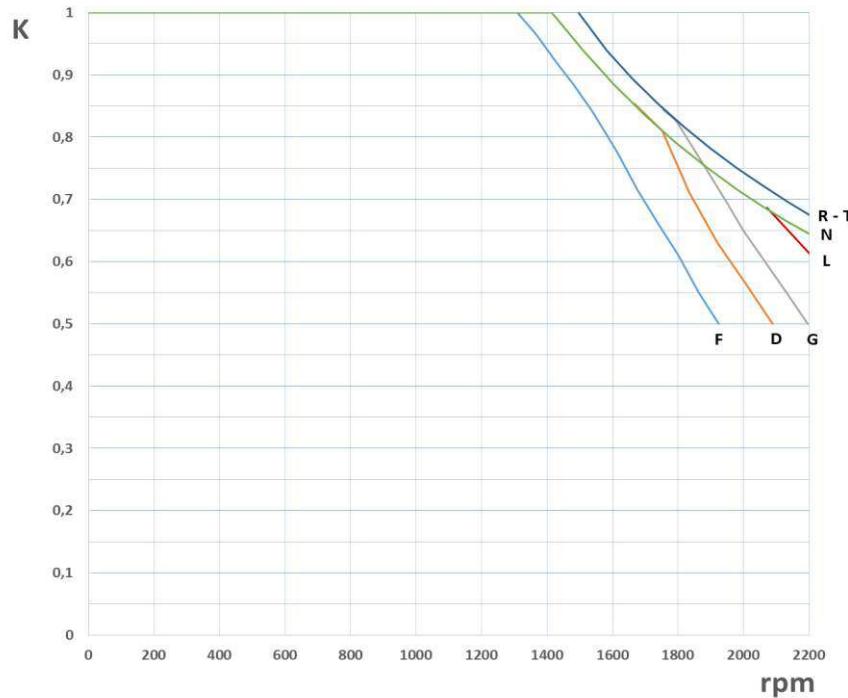
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
D	1073					549	1479	4886	92,4	0,0127	0,18	8
		1186				607	1479	4888	92,8			
			1242			636	1479	4890	93,0			
				1412		722	1479	4883	93,5			
F	942					502	1360	5089	91,8	0,0157	0,22	6
		1042				555	1360	5087	92,3			
			1092			582	1360	5090	92,5			
				1242		661	1360	5083	93,1			
G	846					459	1250	5181	91,1	0,0193	0,27	6
		936				507	1250	5173	91,7			
			982			532	1250	5174	92,0			
				1117		605	1250	5173	92,6			
					1299	702	1250	5161	93,3			
L	700					377	1040	5143	90,0	0,0274	0,37	6
		776				418	1040	5144	90,7			
			813			438	1040	5145	91,0			
				927		499	1040	5141	91,8			
					1079	580	1040	5133	92,6			
N	609					324	900	5081	89,1	0,0354	0,50	6
		676				359	900	5072	89,9			
			709			376	900	5065	90,2			
				809		429	900	5064	91,1			
					943	500	900	5064	92,0			
R	508					270	765	5076	87,4	0,0503	0,65	6
		565				300	765	5071	88,3			
			593			315	765	5073	88,7			
				678		360	765	5071	89,8			
					791	420	765	5071	90,9			
T	446					234	670	5011	86,4	0,0630	0,89	6
		496				260	670	5006	87,4			
			521			274	670	5022	87,9			
				596		313	670	5015	89,0			
					696	365	670	5008	90,2			

Note: other windings are available on request

Motor type RP315KM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening

Main features

		RP315KM6	RP315KM8
Field power	W	3700	
Inertia	kgm ²	10,8	11,2
Max mechanical speed	rpm	2400	2200
Weight IC06	kg	2305	2360
Weight IC17-IC37	kg	2195	2250
Weight IC86W	kg	2575	2630
DE bearing	roller	NU321-C3	
NDE bearing	ball	6321-C3	

Blowers data (3x400 V – 50 Hz)

		IC06 (6/8)	IC17-37	IC86W
Blower ac motor	type	132S4A/132S2B	--	132S2B
Power	kW	5,5/7,5	--	7,5
Current	A	11,1/14,8	--	13,9
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	45
Water flow rate	m ³ /h	--	--	12
Pressure drop	Pa	--	--	18000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	1,75	--
Static pressure	Pa	--	1400	--

Motor type RP315KL

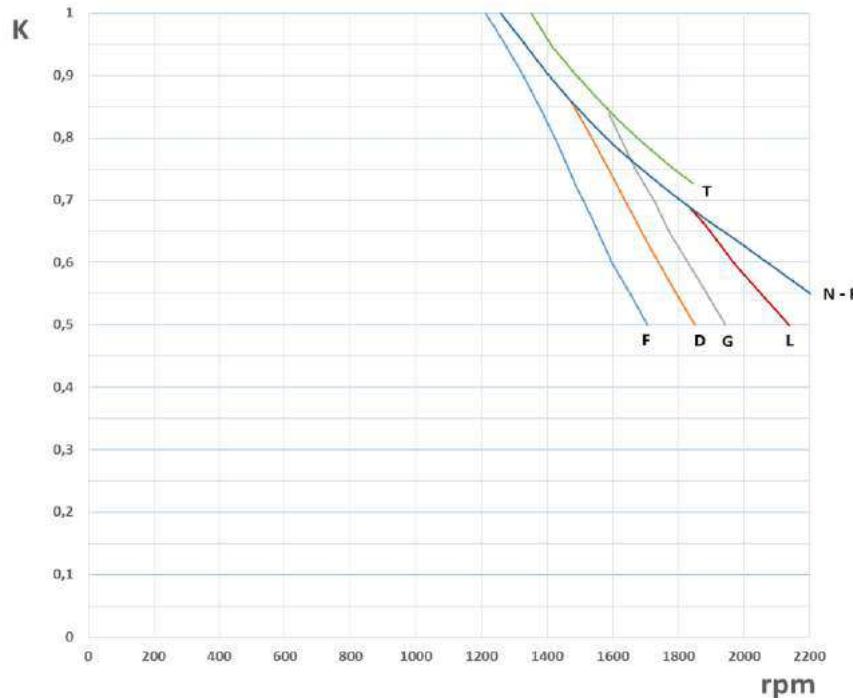
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
D	950					548	1479	5509	92,0	0,0137	0,20	8
		1050				605	1479	5503	92,5			
			1101			634	1479	5499	92,7			
				1251		721	1479	5504	93,3			
F	834					500	1360	5725	91,4	0,0170	0,25	6
		923				553	1360	5722	91,9			
			967			580	1360	5728	92,2			
				1101		660	1360	5725	92,8			
G	748					457	1250	5835	90,6	0,0208	0,30	6
		828				505	1250	5825	91,3			
			869			530	1250	5825	91,6			
				989		603	1250	5823	92,3			
					1150	701	1250	5821	93,0			
L	618					375	1040	5795	89,4	0,0296	0,40	6
		685				416	1040	5800	90,2			
			719			436	1040	5791	90,5			
				820		497	1040	5788	91,4			
					955	579	1040	5790	92,2			
N	538					322	900	5716	88,4	0,0382	0,55	6
		597				357	900	5711	89,3			
			627			374	900	5696	89,7			
				716		427	900	5695	90,6			
					834	498	900	5703	91,6			
R	448					268	765	5713	86,5	0,0544	0,74	6
		498				298	765	5715	87,6			
			523			313	765	5715	88,0			
				599		358	765	5708	89,2			
					699	418	765	5711	90,3			
T	392					232	670	5652	85,4	0,0680	0,98	6
		437				258	670	5638	86,6			
			459			272	670	5659	87,1			
				526		311	670	5646	88,3			
					615	363	670	5637	89,6			

Note: other windings are available on request

Motor type RP315KL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP315KL6	RP315KL8
Field power	W	4200	
Inertia	kgm^2	11,7	12,1
Max mechanical speed	rpm	2400	2200
Weight IC06	kg	2480	2535
Weight IC17-IC37	kg	2370	2425
Weight IC86W	kg	2750	2805
DE bearing	roller	NU321-C3	
NDE bearing	ball	6321-C3	

Blowers data (3x400 V – 50 Hz)

		IC06 (6/8)	IC17-37	IC86W
Blower ac motor	type	132S4A/132S2B	--	132S2B
Power	kW	5,5/7,5	--	7,5
Current	A	11,1/14,8	--	13,9
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	45
Water flow rate	m^3/h	--	--	12
Pressure drop	Pa	--	--	18000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,75	--
Static pressure	Pa	--	1400	--

Motor type RP315KP

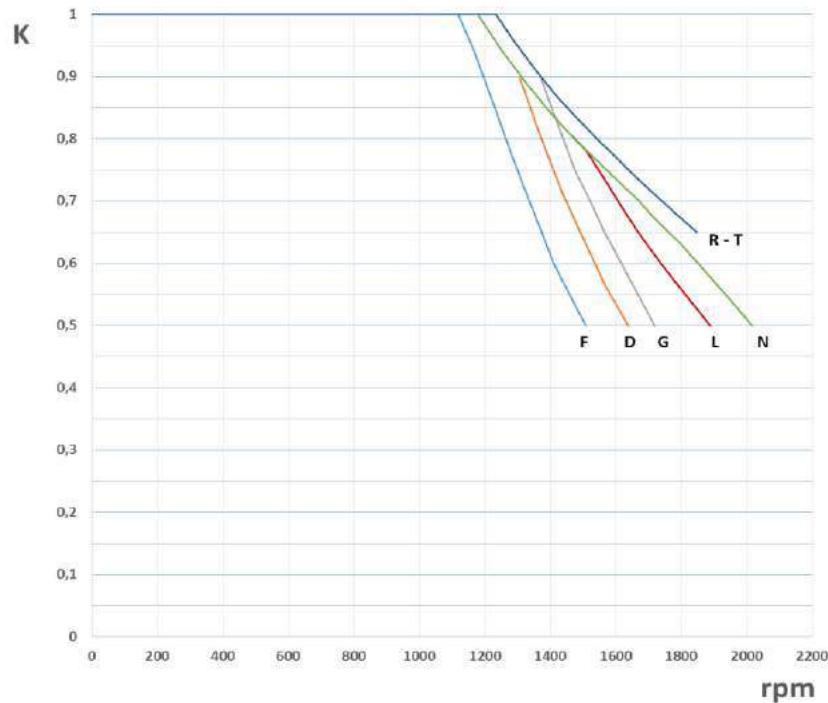
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
D	839					546	1479	6215	91,6	0,0148	0,20	8
		928				604	1479	6216	92,2			
			973			632	1479	6203	92,4			
				1107		719	1479	6203	93,0			
F	736					498	1360	6462	90,9	0,0185	0,28	6
		815				551	1360	6457	91,5			
			854			578	1360	6464	91,8			
				973		658	1360	6458	92,5			
G	660					454	1250	6569	90,1	0,0226	0,33	6
		731				503	1250	6571	90,8			
			767			528	1250	6574	91,1			
				874		601	1250	6567	91,9			
					1017	699	1250	6564	92,7			
L	545					373	1040	6536	88,8	0,0321	0,44	6
		604				414	1040	6546	89,6			
			634			434	1040	6537	90,0			
				724		495	1040	6529	90,9			
					843	577	1040	6537	91,8			
N	473					319	900	6441	87,7	0,0414	0,61	6
		526				355	900	6445	88,6			
			552			372	900	6436	89,0			
				631		425	900	6432	90,1			
					736	496	900	6436	91,1			
R	393					265	765	6440	85,7	0,0590	0,83	6
		438				296	765	6454	86,8			
			460			311	765	6457	87,3			
				527		356	765	6451	88,5			
					616	416	765	6449	89,8			
T	344					230	670	6385	84,5	0,0738	1,10	6
		384				256	670	6367	85,7			
			403			269	670	6375	86,2			
				463		309	670	6374	87,6			
					542	361	670	6361	89,0			

Note: other windings are available on request

Motor type RP315KP

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP315KP6	RP315KP8
Field power	W	4500	
Inertia	kgm^2	12,6	13
Max mechanical speed	rpm	2200	2000
Weight IC06	kg	2670	2725
Weight IC17-IC37	kg	2560	2615
Weight IC86W	kg	2940	2995
DE bearing	roller	NU321-C3	
NDE bearing	ball	6321-C3	

Blowers data (3x400 V – 50 Hz)

		IC06 (6/8)	IC17-37	IC86W
Blower ac motor	type	132S4A/132S2B	--	132S2B
Power	kW	5,5/7,5	--	7,5
Current	A	11,1/14,8	--	13,9
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	45
Water flow rate	m^3/h	--	--	12
Pressure drop	Pa	--	--	18000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	1,75	--
Static pressure	Pa	--	1400	--

Motor type RP355KR

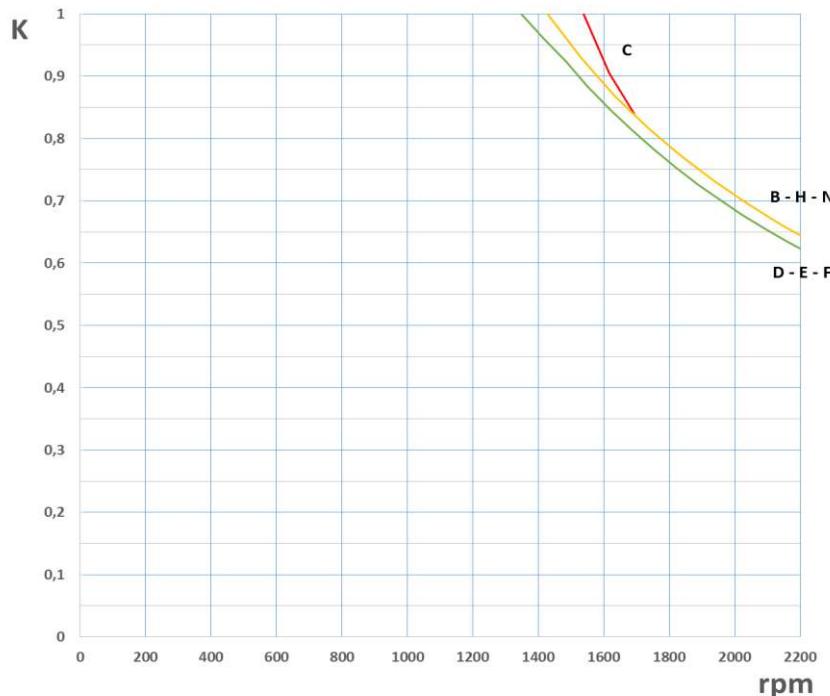
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
B	1261					640	1720	4847	92,7	0,0096	0,12	7
		1393				707	1720	4847	93,1			
			1459			741	1720	4850	93,2			
C	1170					609	1640	4971	92,4	0,0109	0,14	6
		1293				673	1640	4971	92,8			
			1355			705	1640	4969	93,0			
				1539		800	1640	4964	93,5			
D	1094					572	1540	4993	92,4	0,0117	0,16	6
		1209				632	1540	4992	92,8			
			1267			662	1540	4990	93,0			
				1440		751	1540	4981	93,5			
E	1025					533	1440	4966	92,1	0,0133	0,18	6
		1133				589	1440	4965	92,5			
			1187			617	1440	4964	92,7			
				1349		701	1440	4963	93,3			
F	893					479	1305	5123	91,2	0,0174	0,26	6
		988				530	1305	5123	91,8			
			1036			556	1305	5125	92,0			
				1179		632	1305	5119	92,7			
					1369	733	1305	5113	93,3			
H	764					408	1120	5100	90,5	0,0229	0,34	6
		846				452	1120	5102	91,1			
			887			474	1120	5103	91,4			
				1010		539	1120	5096	92,1			
					1174	627	1120	5100	92,8			
N	660					348	970	5035	88,9	0,0329	0,44	6
		732				386	970	5036	89,7			
			768			404	970	5024	90,0			
				876		461	970	5026	90,9			
					1021	537	970	5023	91,7			

Note: other windings are available on request

Motor type RP355KR

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP355KR6	RP355KR7
Field power	W	3800	
Inertia	kgm^2	14,5	14,7
Max mechanical speed	rpm	2200	2000
Weight IC06	kg	2615	2650
Weight IC17-IC37	kg	2475	2510
Weight IC86W	kg	2885	2920
DE bearing	roller	NU324-C3	
NDE bearing	ball	6324-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	132M4A	--	132M2B
Power	kW	7,5	--	9
Current	A	14,8	--	18
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	56
Water flow rate	m^3/h	--	--	12
Pressure drop	Pa	--	--	22000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	2,1	--
Static pressure	Pa	--	1300	--

Motor type RP355KS

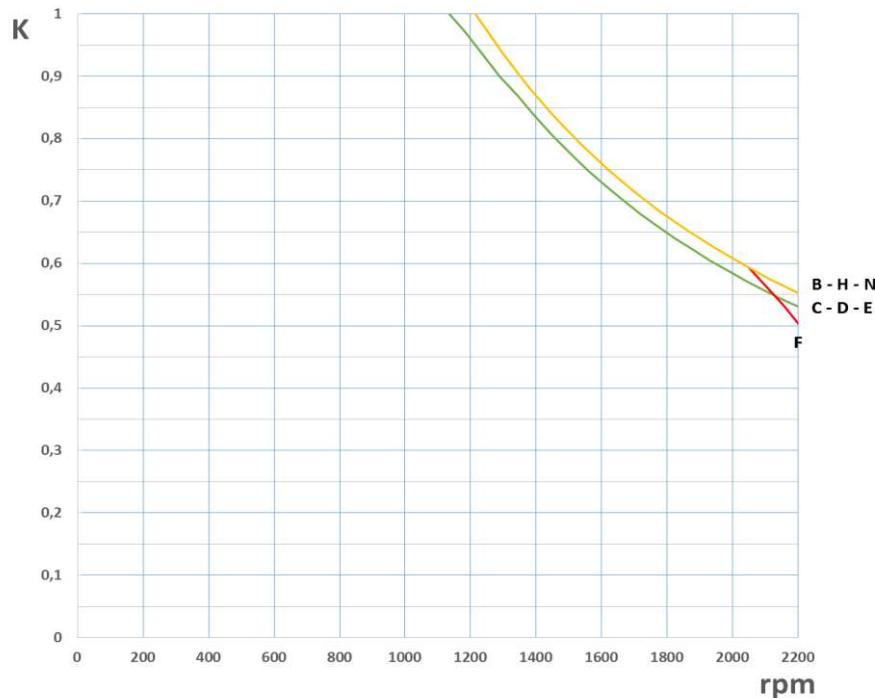
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
B	1003					639	1720	6084	92,3	0,0108	0,15	7
		1109				706	1720	6080	92,8			
			1162			739	1720	6074	93,0			
C	930					607	1640	6233	92,0	0,0123	0,16	6
		1029				671	1640	6227	92,5			
			1078			703	1640	6228	92,7			
				1226		799	1640	6224	93,3			
D	870					570	1540	6257	92,0	0,0132	0,19	6
		962				630	1540	6254	92,5			
			1008			660	1540	6253	92,7			
				1146		750	1540	6250	93,2			
E	814					531	1440	6230	91,6	0,0150	0,22	6
		901				587	1440	6222	92,2			
			944			615	1440	6222	92,4			
				1074		700	1440	6224	93,0			
F	709					477	1305	6425	90,7	0,0196	0,30	6
		785				528	1305	6423	91,3			
			823			553	1305	6417	91,6			
				937		630	1305	6421	92,3			
H					1090	731	1305	6405	93,0	0,0258	0,40	6
	606					405	1120	6382	89,8			
		671				449	1120	6390	90,5			
			704			471	1120	6389	90,8			
				803		537	1120	6386	91,6			
N					934	624	1120	6380	92,4	0,0370	0,52	6
	522					345	970	6312	88,0			
		580				383	970	6306	88,9			
			609			402	970	6304	89,3			
				695		458	970	6293	90,3			
					811	534	970	6288	91,2			

Note: other windings are available on request

Motor type RP355KS

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP355KS6	RP355KS7
Field power	W	4100	
Inertia	kgm ²	15,6	15,8
Max mechanical speed	rpm	2200	2000
Weight IC06	kg	2930	2965
Weight IC17-IC37	kg	2760	2825
Weight IC86W	kg	3200	3235
DE bearing	roller	NU324-C3	
NDE bearing	ball	6324-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	Type	132M4A	--	132M2B
Power	kW	7,5	--	9
Current	A	14,8	--	18
Poles	n°.	4	--	2
Dissipated losses	KW	--	--	56
Water flow rate	M ³ /h	--	--	12
Pressure drop	Pa	--	--	22000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	2,1	--
Static pressure	Pa	--	1300	--

Motor type RP355KM

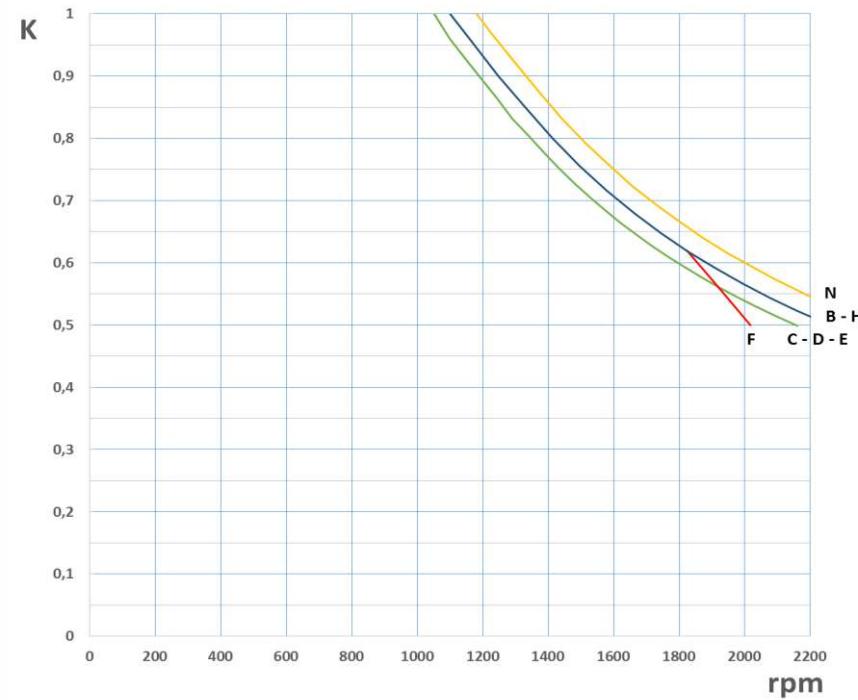
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
B	893					637	1720	6812	92,1	0,0115	0,16	7
		987				704	1720	6812	92,6			
			1035			738	1720	6810	92,8			
C	828					605	1640	6978	91,8	0,0131	0,18	6
		916				669	1640	6975	92,3			
			960			701	1640	6973	92,5			
				1092		797	1640	6970	93,1			
D	774					568	1540	7008	91,7	0,0141	0,21	6
		856				628	1540	7006	92,2			
			897			659	1540	7016	92,5			
				1021		749	1540	7006	93,1			
E	724					530	1440	6991	91,3	0,0160	0,24	6
		801				586	1440	6987	91,9			
			840			614	1440	6981	92,2			
				956		698	1440	6973	92,8			
F	630					475	1305	7200	90,3	0,0209	0,34	6
		698				526	1305	7197	91,0			
			732			551	1305	7189	91,3			
				834		628	1305	7191	92,0			
H					970	730	1305	7187	92,8	0,0276	0,46	6
	538					404	1120	7171	89,4			
		596				448	1120	7179	90,1			
			626			470	1120	7170	90,5			
				714		535	1120	7156	91,3			
N					831	623	1120	7160	92,2	0,0395	0,58	6
	463					343	970	7075	87,4			
		514				381	970	7079	88,4			
			540			400	970	7074	88,8			
				617		457	970	7074	89,9			
					721	532	970	7047	90,9			

Note: other windings are available on request

Motor type RP355KM

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP355KM6	RP355KM7
Field power	W	4300	
Inertia	kgm ²	16,8	17
Max mechanical speed	rpm	2200	2000
Weight IC06	kg	3120	3155
Weight IC17-IC37	kg	2980	3015
Weight IC86W	kg	3390	3425
DE bearing	roller	NU324-C3	
NDE bearing	ball	6324-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	132M4A	--	132M2B
Power	kW	7,5	--	9
Current	A	14,8	--	18
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	56
Water flow rate	m ³ /h	--	--	12
Pressure drop	Pa	--	--	22000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m ³ /s	--	2,1	--
Static pressure	Pa	--	1300	--

Motor type RP355KL

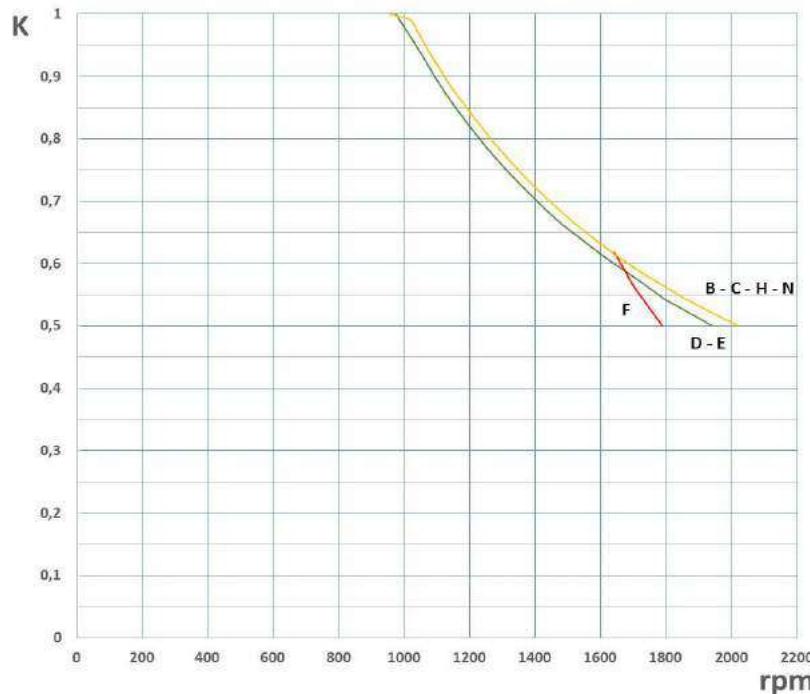
IC06-17-37-86W

Winding	Speed [rpm]					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
B	790					636	1720	7688	91,8	0,0124	0,18	7
		874				703	1720	7682	92,4			
			916			736	1720	7673	92,6			
C	733					603	1640	7856	91,4	0,0140	0,21	6
		811				668	1640	7866	92,0			
			850			700	1640	7865	92,3			
				967		796	1640	7861	92,9			
D	685					566	1540	7891	91,4	0,0151	0,23	6
		758				627	1540	7900	91,9			
			794			657	1540	7902	92,2			
				904		747	1540	7891	92,8			
E	641					528	1440	7866	91,0	0,0172	0,27	6
		709				584	1440	7866	91,6			
			744			612	1440	7856	91,9			
				847		697	1440	7859	92,5			
F	557					473	1305	8110	89,9	0,0225	0,39	6
		617				524	1305	8111	90,6			
			647			549	1305	8103	90,9			
				738		626	1305	8101	91,7			
H					859	728	1305	8094	92,5	0,0296	0,51	6
	475					402	1120	8082	88,8			
		527				445	1120	8064	89,7			
			553			467	1120	8065	90,0			
				631		533	1120	8067	90,9			
N					736	621	1120	8058	91,9	0,0424	0,66	6
	408					340	970	7958	86,8			
		454				378	970	7951	87,8			
			477			397	970	7948	88,3			
				546		454	970	7941	89,4			
					637	530	970	7946	90,5			

Note: other windings are available on request

Motor type RP355KL

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

		RP355KL6	RP355KL7
Field power	W	4500	
Inertia	kgm^2	18,1	18,3
Max mechanical speed	rpm	2200	2000
Weight IC06	kg	3345	3380
Weight IC17-IC37	kg	3205	3240
Weight IC86W	kg	3615	3650
DE bearing	roller	NU324-C3	
NDE bearing	ball	6324-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	132M4A	--	132M2B
Power	kW	7,5	--	9
Current	A	14,8	--	18
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	56
Water flow rate	m^3/h	--	--	12
Pressure drop	Pa	--	--	22000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	2,1	--
Static pressure	Pa	--	1300	--

Motor type RP355KX

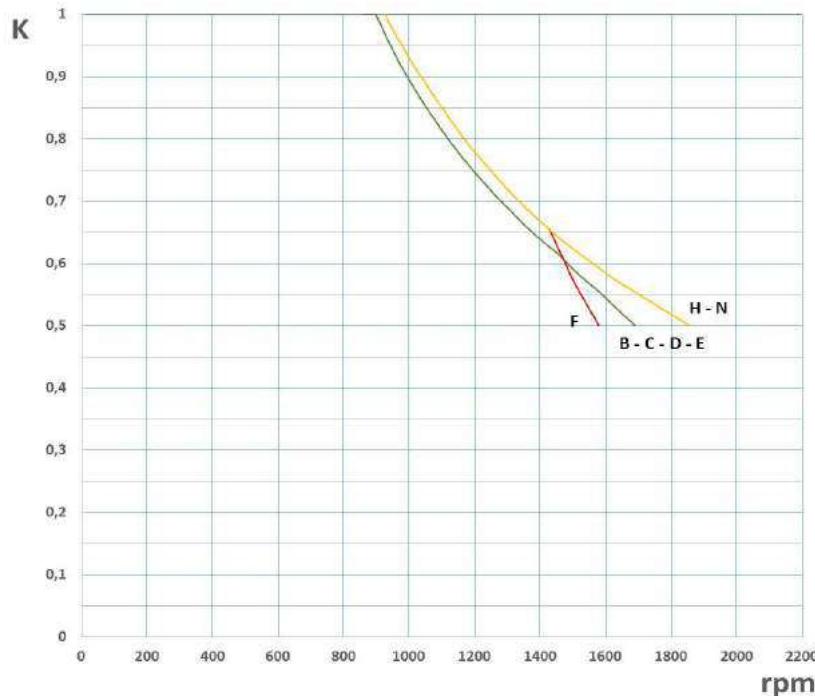
IC06-17-37-86W

Winding	Speed (rpm)					P [kW]	I [A]	Torque [Nm]	η [%]	R arm [Ohm]	L arm [mH]	Select. Code
	400 V	440 V	460 V	520 V	600 V							
B	698					633	1720	8661	91,46	0,0133	0,21	7
		773				701	1720	8660	92,04			
			810			734	1720	8654	92,28			
C	647					601	1640	8871	91,02	0,0151	0,24	6
		716				665	1640	8870	91,64			
			751			697	1640	8863	91,91			
				855		794	1640	8869	92,59			
D	605					564	1540	8903	90,93	0,0163	0,26	6
		669				624	1540	8908	91,56			
			702			655	1540	8911	91,83			
				799		745	1540	8905	92,52			
E	565					525	1440	8874	90,51	0,0186	0,31	6
		626				582	1440	8879	91,18			
			657			610	1440	8867	91,47			
				748		695	1440	8873	92,21			
F	491					470	1305	9142	89,28	0,0243	0,42	6
		545				521	1305	9129	90,08			
			571			547	1305	9149	90,42			
				652		624	1305	9140	91,29			
H					759	726	1305	9135	92,17	0,0320	0,59	6
	418					399	1120	9116	88,18			
		465				443	1120	9098	89,08			
			488			465	1120	9100	89,47			
N				557		531	1120	9104	90,45	0,0458	0,75	6
					650	619	1120	9095	91,45			
	359					337	970	8965	85,97			
		399				375	970	8976	87,07			
			420			395	970	8982	87,55			
				481		452	970	8974	88,76			
					562	528	970	8972	89,99			

Note: other windings are available on request

Motor type RP355KX

IC06-17-37-86W

De-rating coefficient for speed variation at constant power by field weakening**Main features**

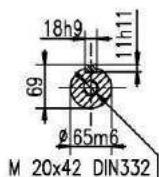
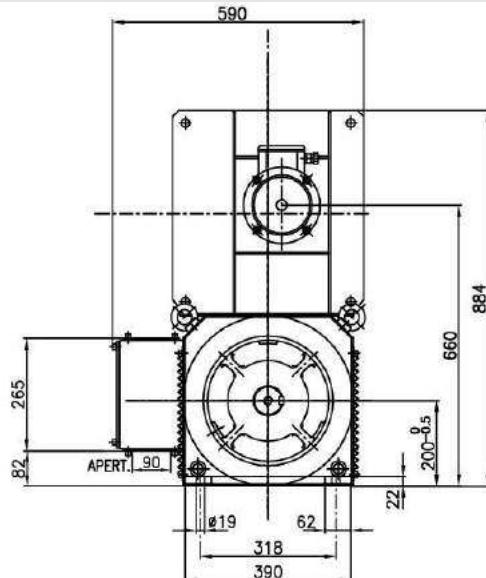
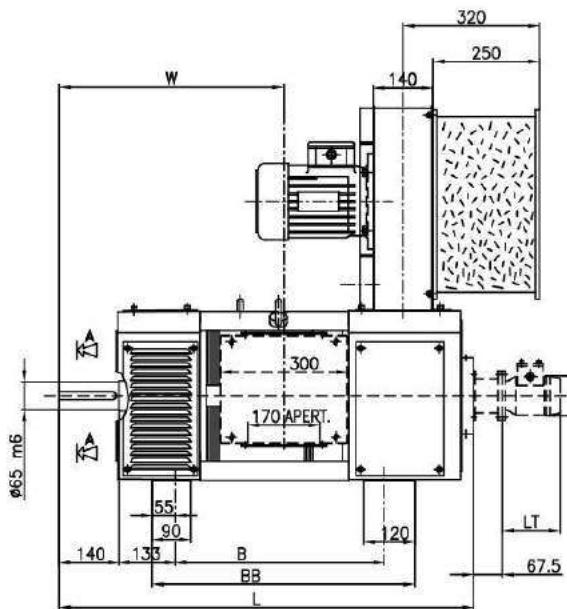
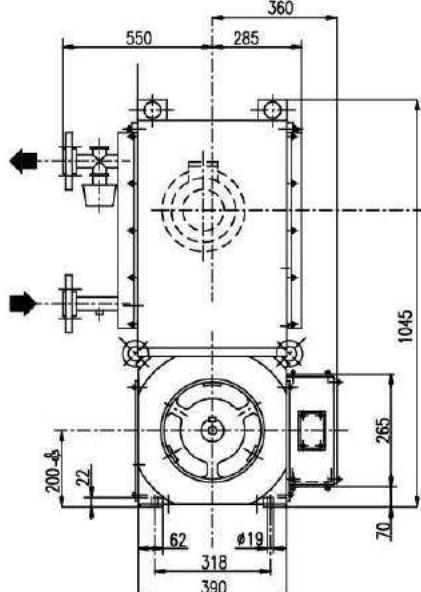
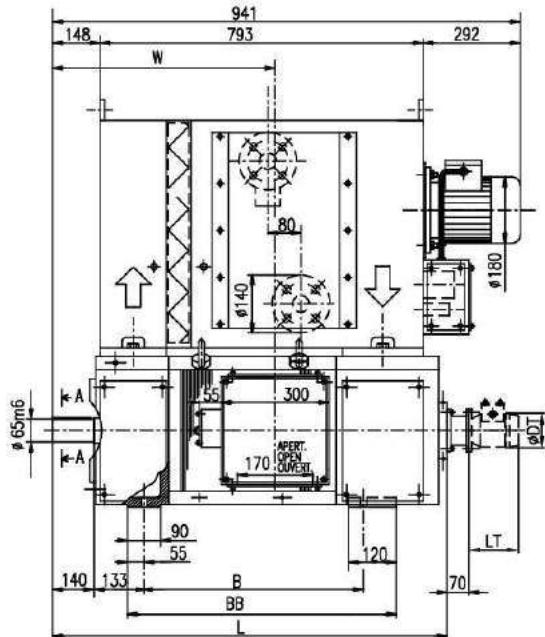
		RP355KX6	RP355KX7
Field power	W	5000	
Inertia	kgm^2	19,6	19,8
Max mechanical speed	rpm	2200	2000
Weight IC06	kg	3590	3625
Weight IC17-IC37	kg	3450	3485
Weight IC86W	kg	3860	3895
DE bearing	roller	NU324-C3	
NDE bearing	ball	6324-C3	

Blowers data (3x400 V – 50 Hz)

		IC06	IC17-37	IC86W
Blower ac motor	type	132M4A	--	132M2B
Power	kW	7,5	--	9
Current	A	14,8	--	18
Poles	n°.	4	--	2
Dissipated losses	kW	--	--	56
Water flow rate	m^3/h	--	--	12
Pressure drop	Pa	--	--	22000
Water flanges	DIN2566	--	--	DN50
Air flow rate	m^3/s	--	2,1	--
Static pressure	Pa	--	1300	--

Drawings RP200

IC06-86W

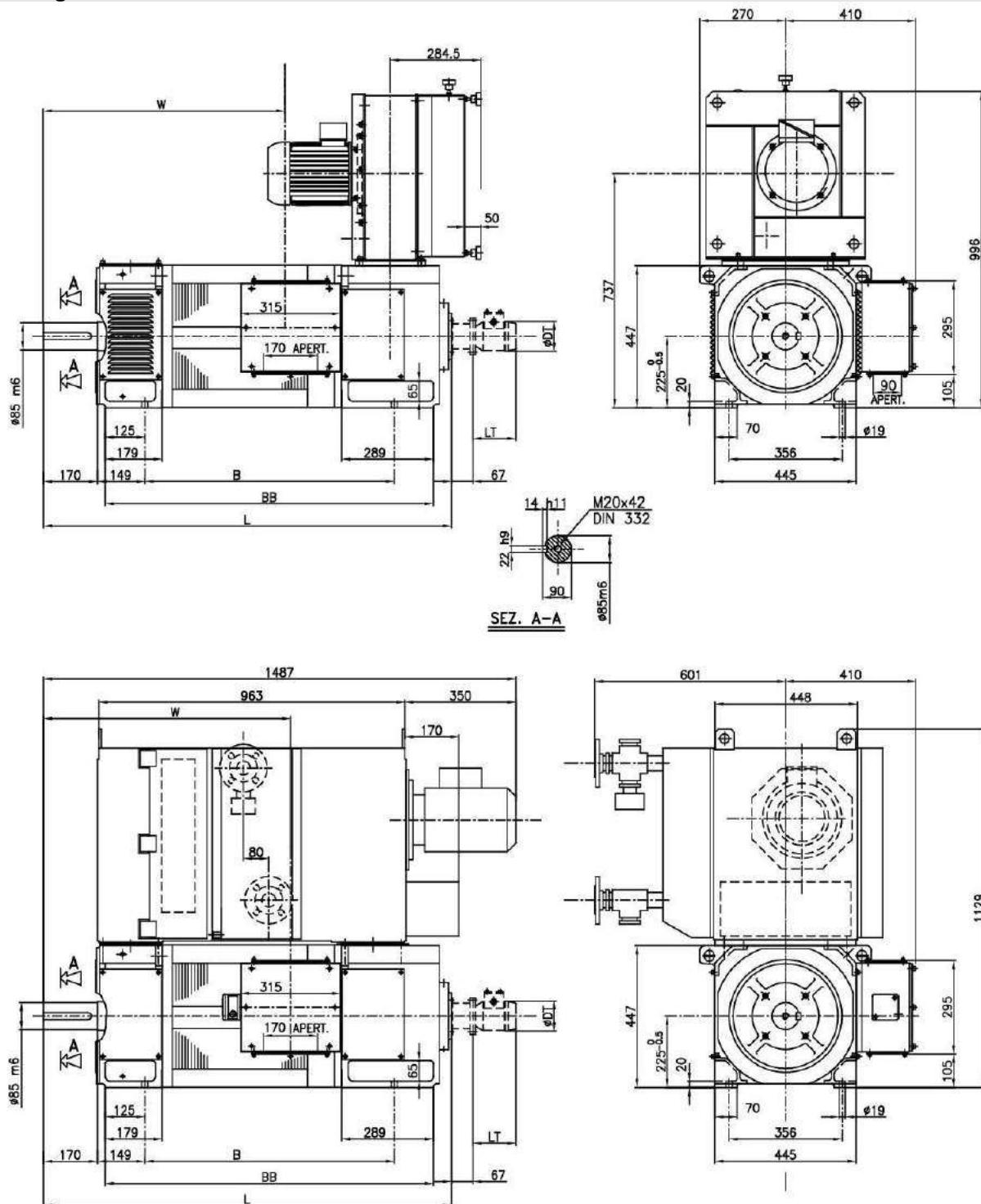
Sez. A - ASect. A - A

FRAME	B	BB	L	W
RP 200 K(N)S4	480	617	975	527
RP 200 K(N)M4	545	682	1040	592
RP 200 K(N)L4	630	767	1125	677
RP 200 K(N)X4	680	817	1175	727
RP 200 K(N)Y4	730	867	1225	777

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP225

IC06-86W

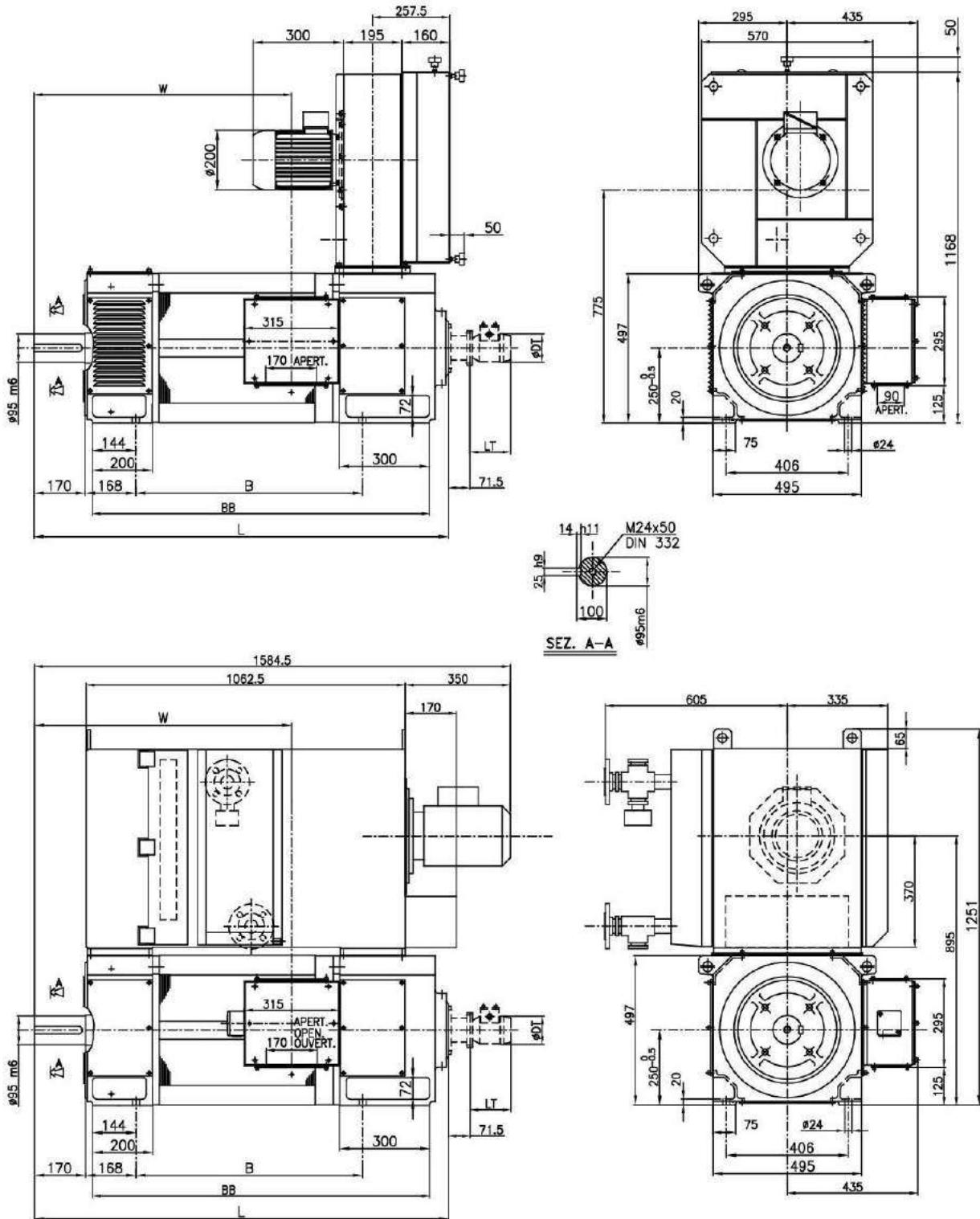


FRAME	B	BB	L	W
RP 225 K(N)S5	785	1033	1284	777
RP 225 K(N)M5	835	1083	1334	827
RP 225 K(N)L5	885	1133	1384	877
RP 225 K(N)P5	945	1193	1444	937
RP 225 K(N)X5	1015	1263	1514	1007

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP250

IC06-86W

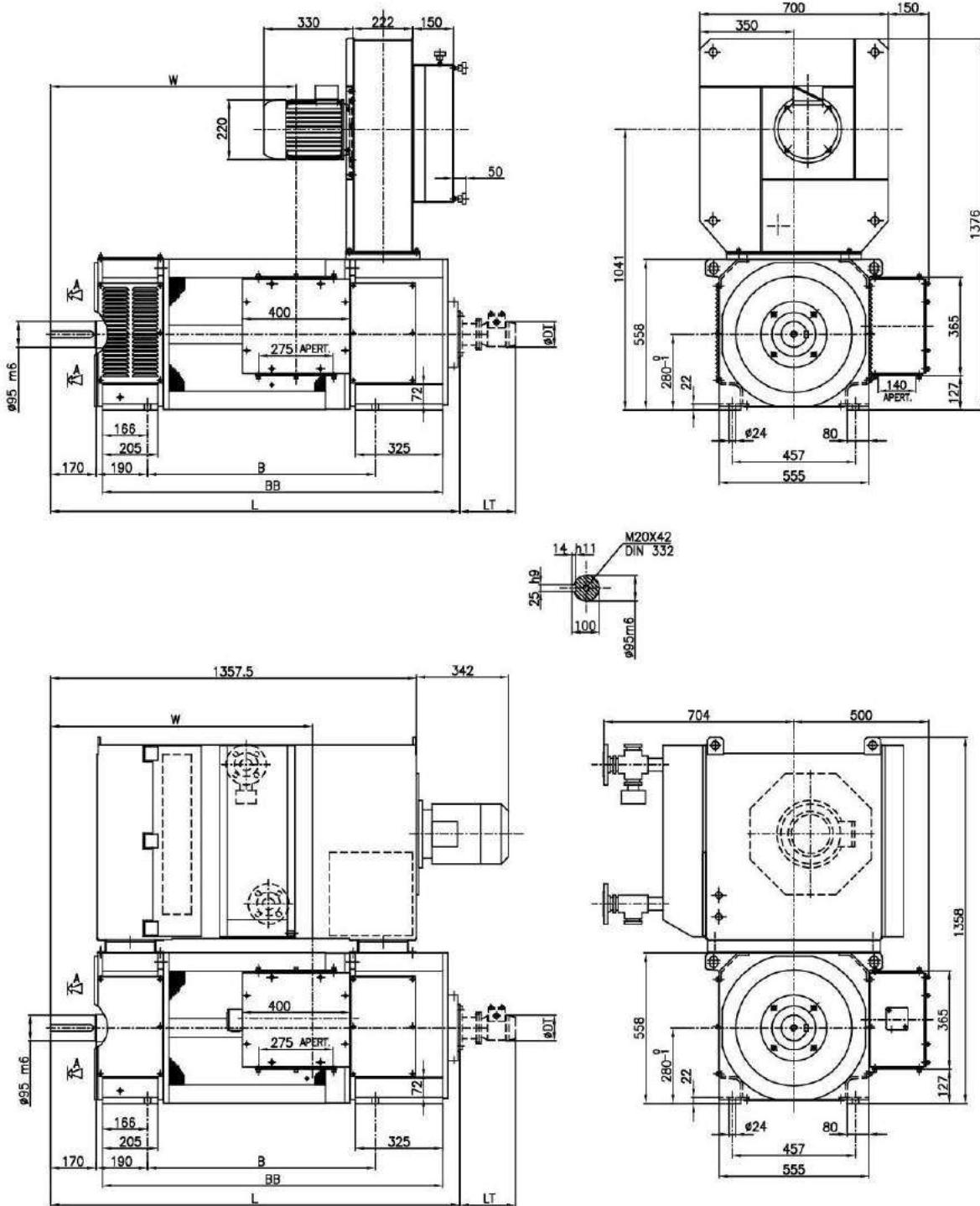


FRAME	B	BB	L	W
RP 250 KS5	755	1122	1379	857
RP 250 KM5	805	1172	1429	907
RP 250 KL5	865	1232	1489	967
RP 250 KP5	935	1302	1559	1037
RP 250 KX5	1015	1382	1639	1117

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP280

IC06-86W

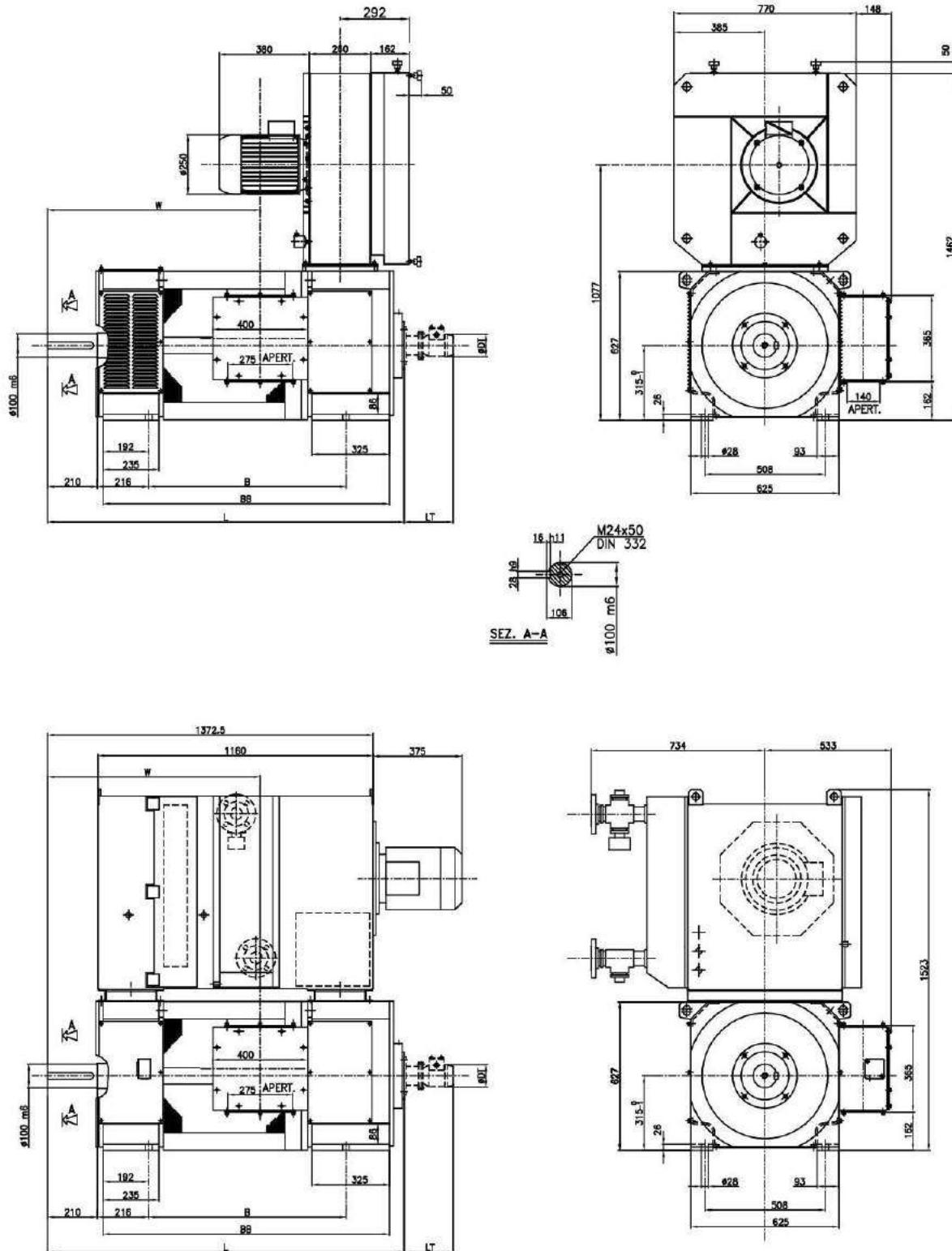


FRAME	B	BB	L	W
RP 280 KS6	845	1262	1519	912
RP 280 KM6	905	1322	1579	972
RP 280 KL6	975	1392	1649	1042
RP 280 KP6	1055	1472	1729	1122

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP315 / 6

IC06-86W

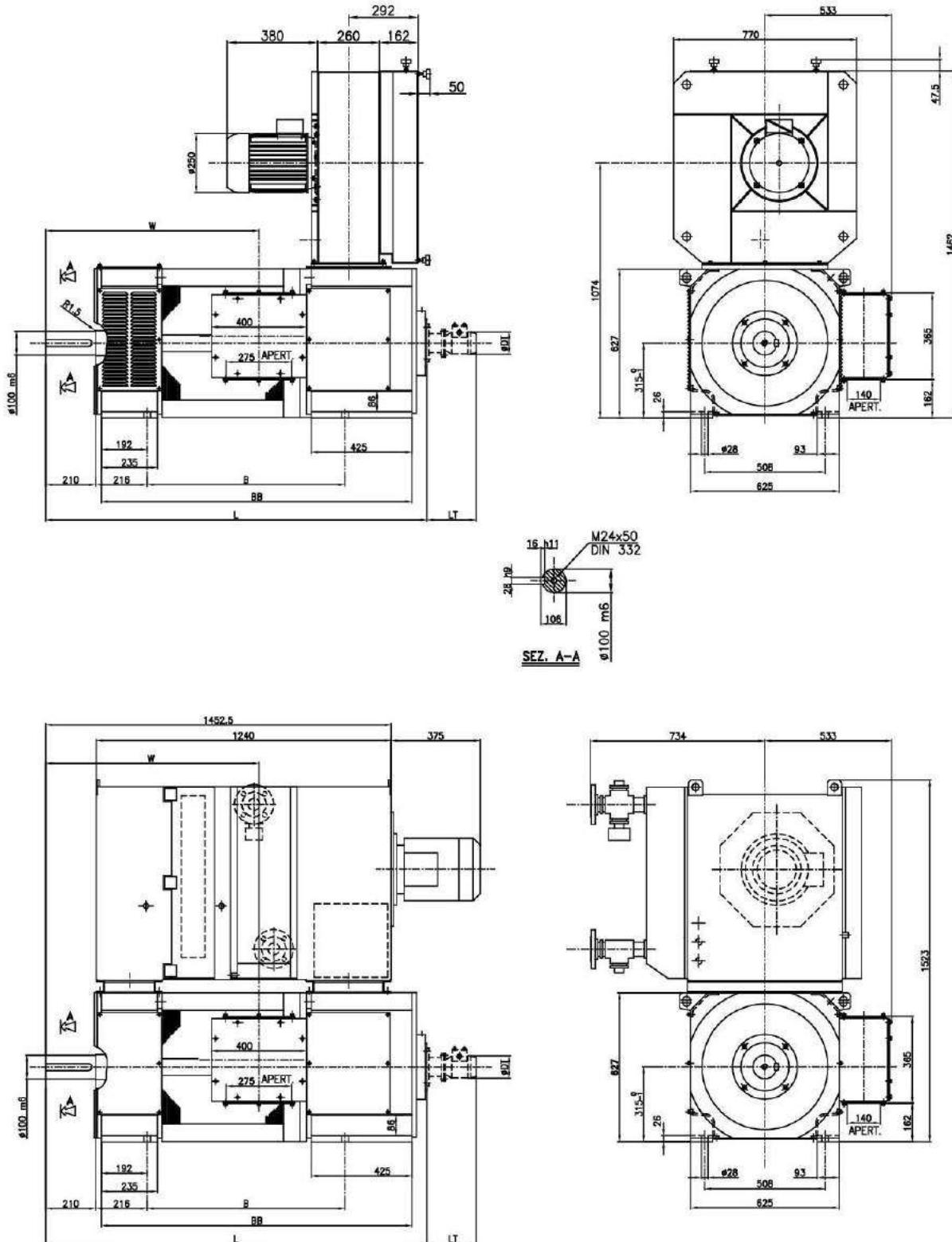


FRAME	B	BB	L	W
RP 315 KR6	833	1207	1504	897
RP 315 KS6	933	1307	1604	997
RP 315 KM6	993	1367	1664	1057
RP 315 KL6	1063	1437	1734	1127
RP 315 KP6	1143	1517	1814	1207

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP315 / 8

IC06-86W

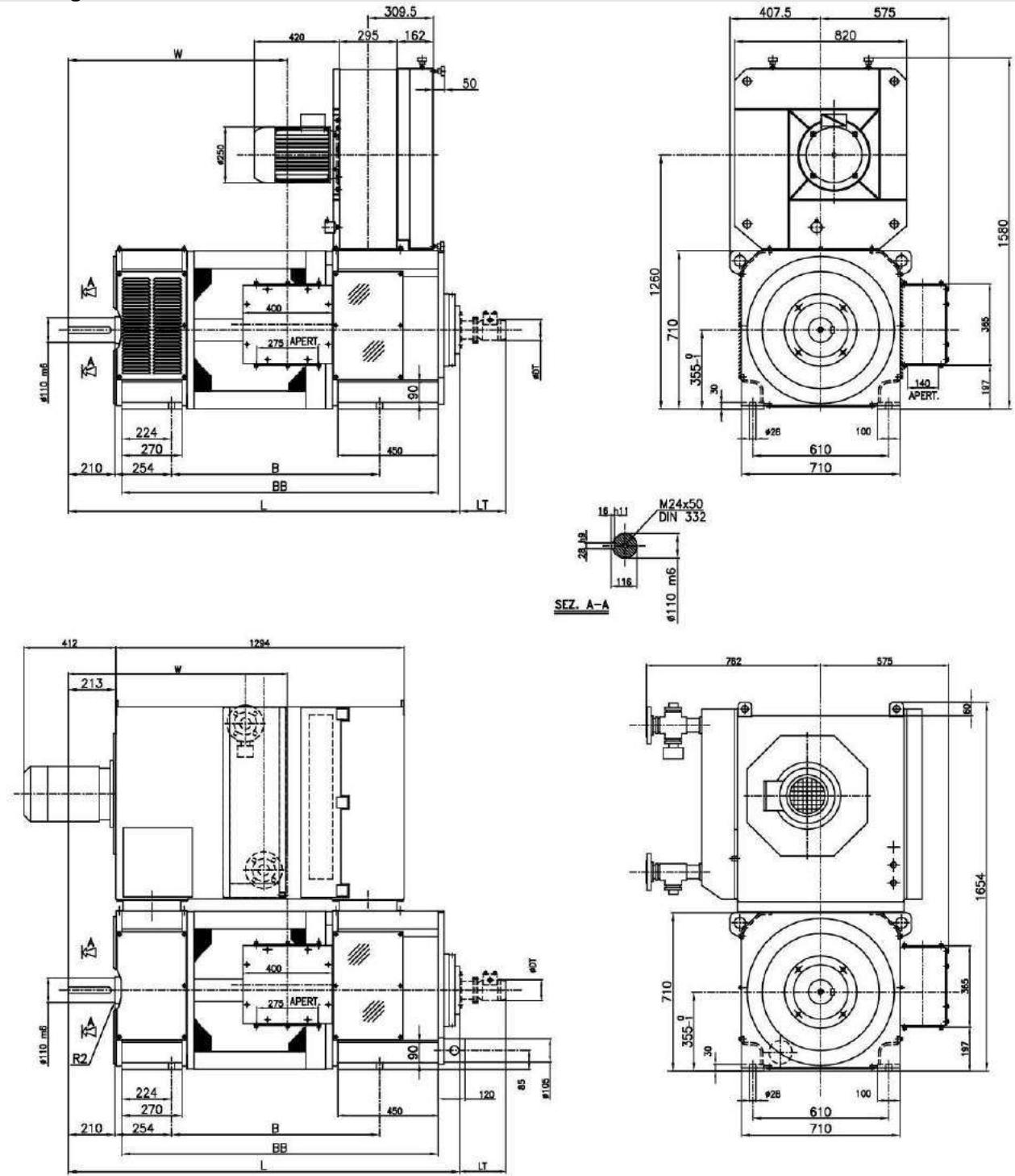


FRAME	B	BB	L	W
RP 315 KR8	833	1307	1604	897
RP 315 KS8	933	1407	1704	997
RP 315 KM8	993	1467	1764	1057
RP 315 KL8	1063	1537	1834	1127
RP 315 KP8	1143	1517	1814	1207

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP355 / 6

IC06-86W

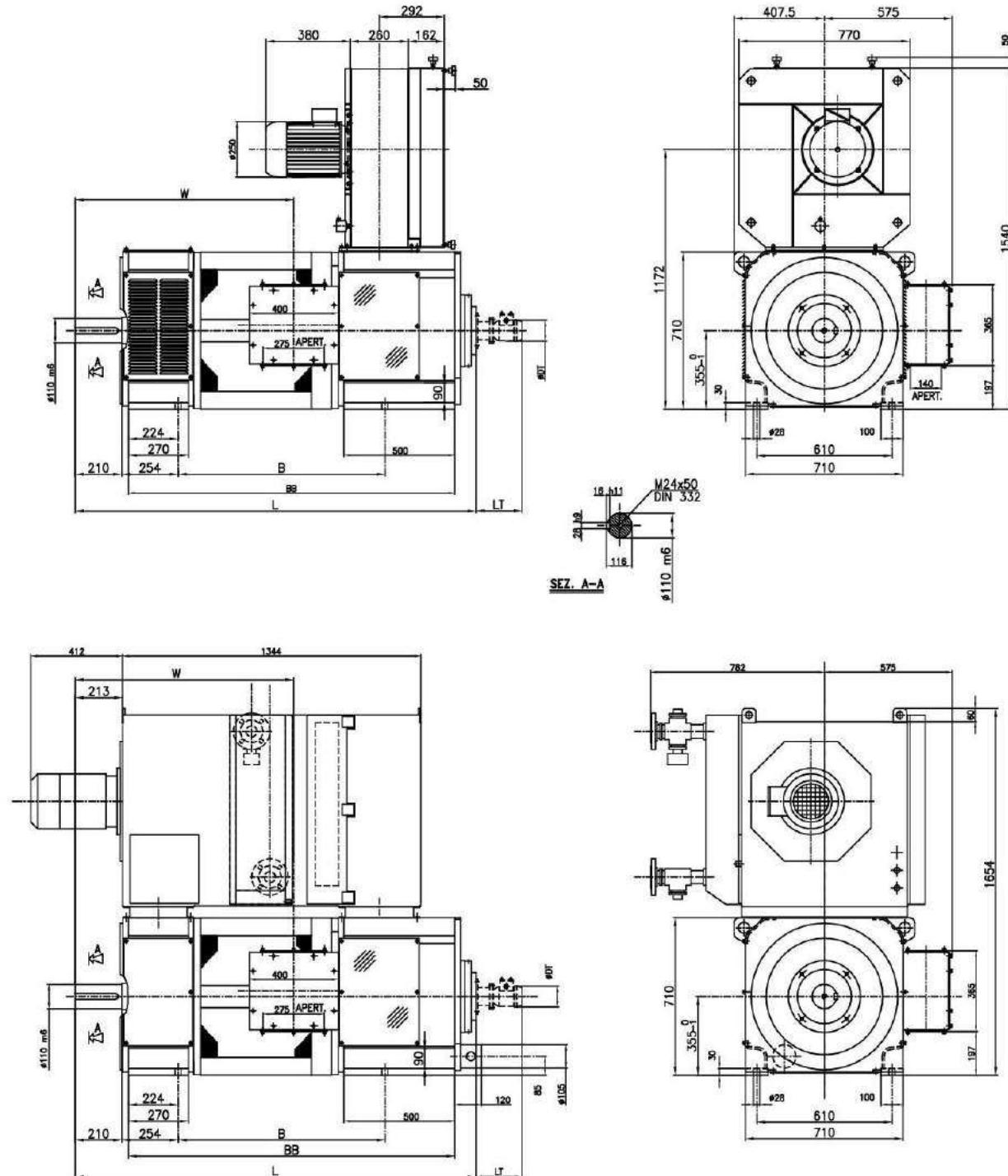


FRAME	B	BB	L	W
RP 355 KR6	932	1420	1756	984
RP 355 KS6	1032	1520	1856	1084
RP 355 KM6	1092	1580	1916	1144
RP 355 KL6	1162	1650	1986	1214
RP 355 KX6	1242	1730	2066	1294

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

Drawings RP355 / 7

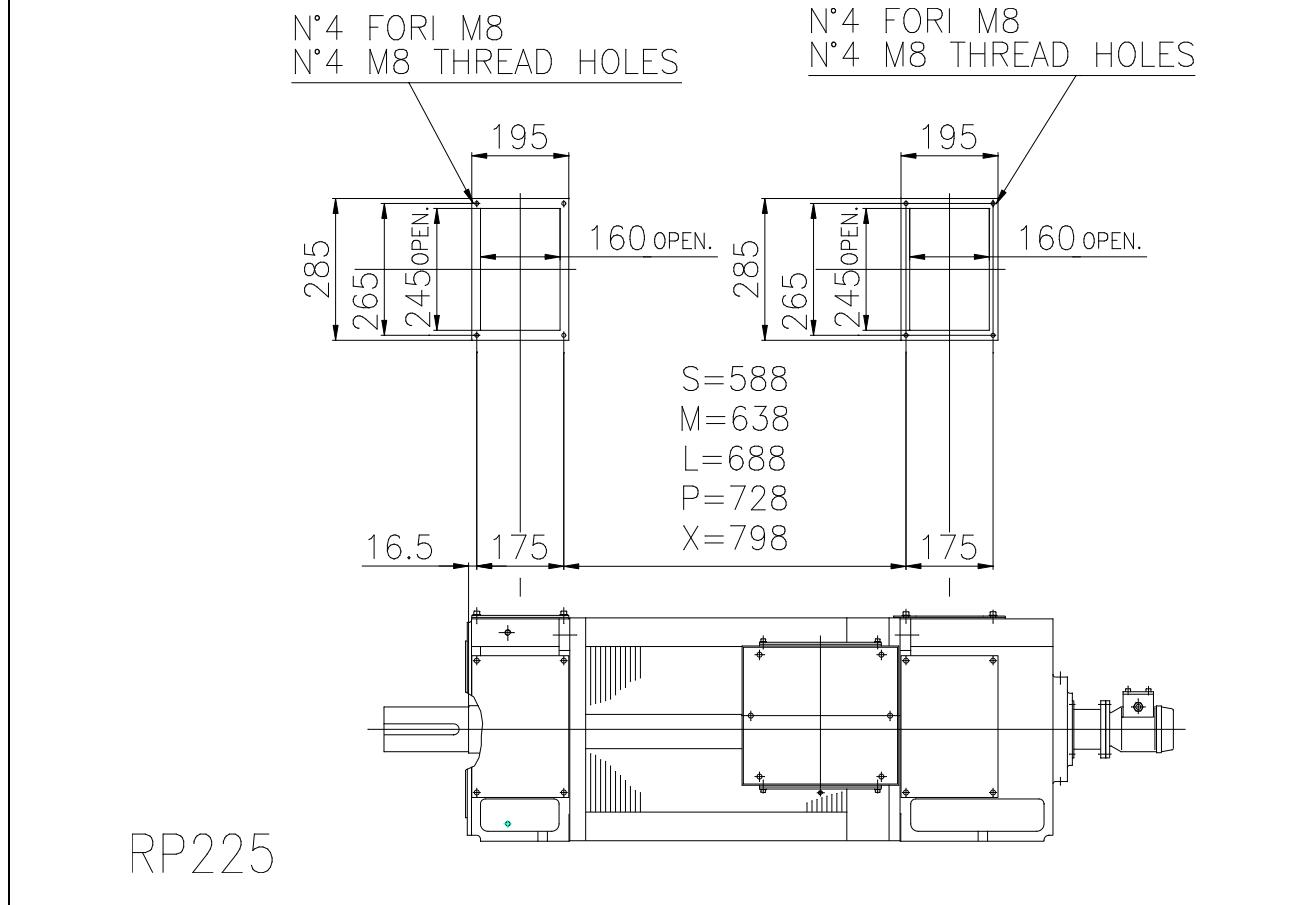
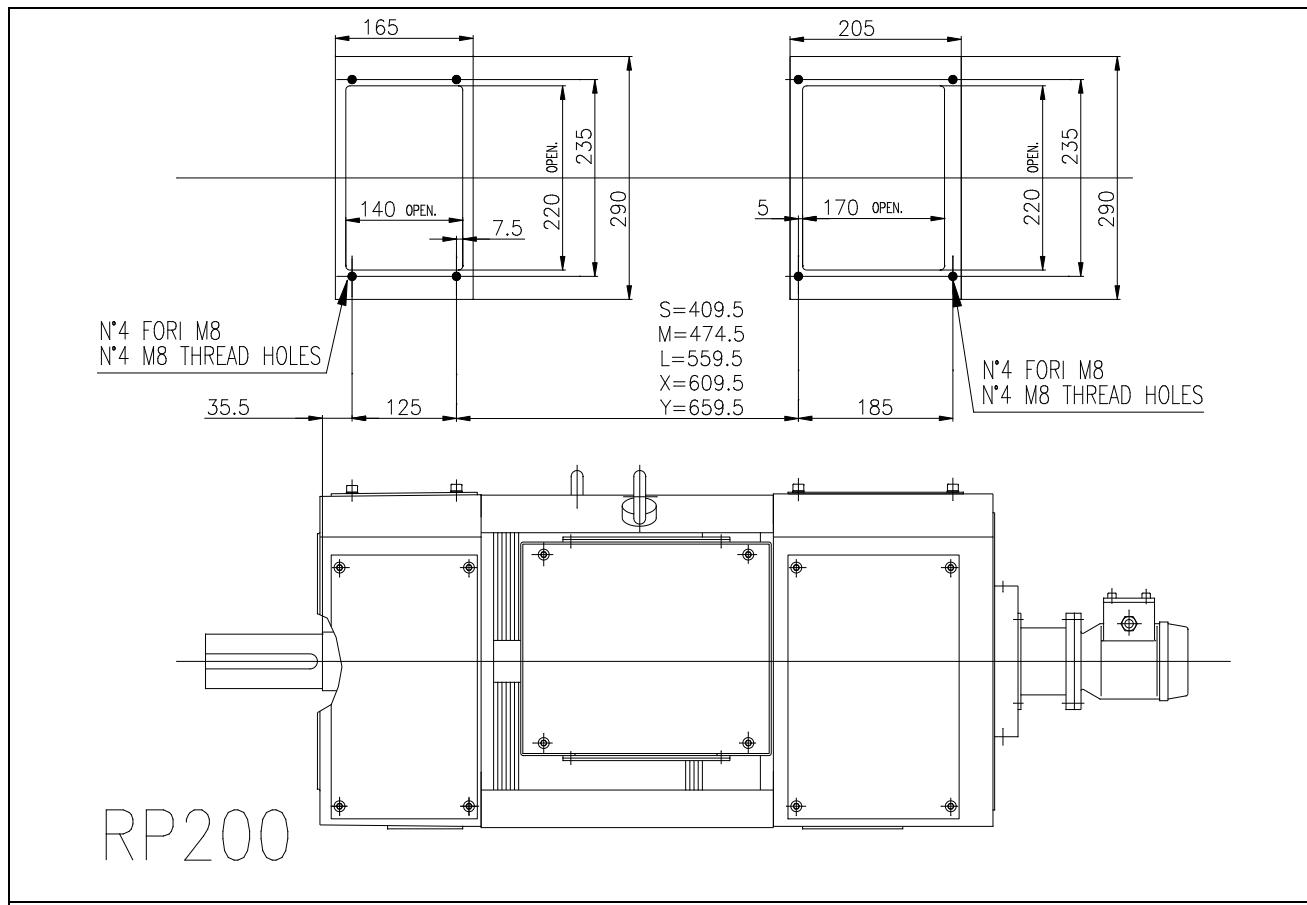
IC06-86W



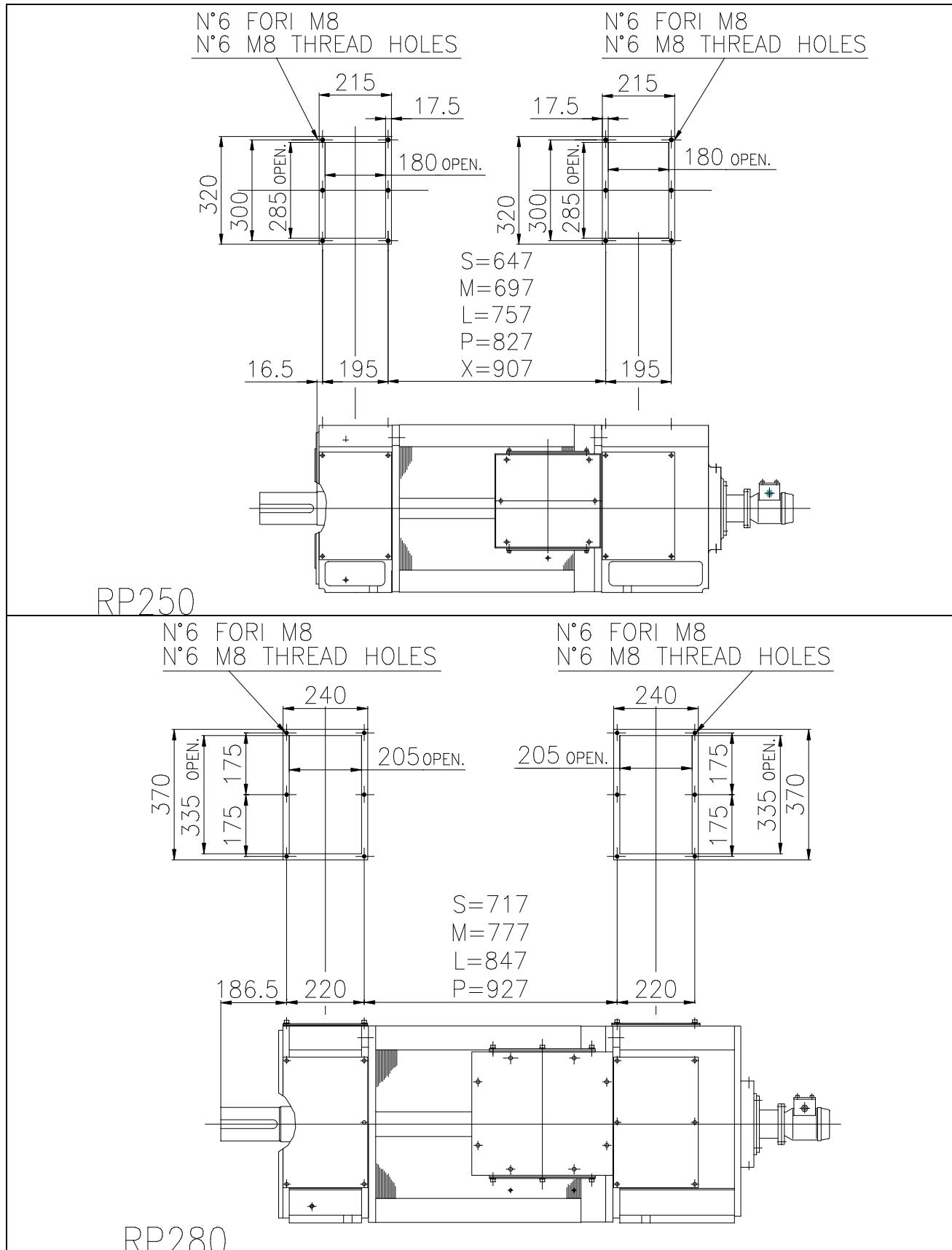
FRAME	B	BB	L	W
RP 355 KR7	932	1470	1806	984
RP 355 KS7	1032	1570	1906	1084
RP 355 KM7	1092	1630	1966	1144
RP 355 KL 7	1162	1700	2036	1214
RP 355 KX7	1242	1780	2116	1294

Note : detailed drawings are available on SICMEMOTORI website www.sicmemotori.com

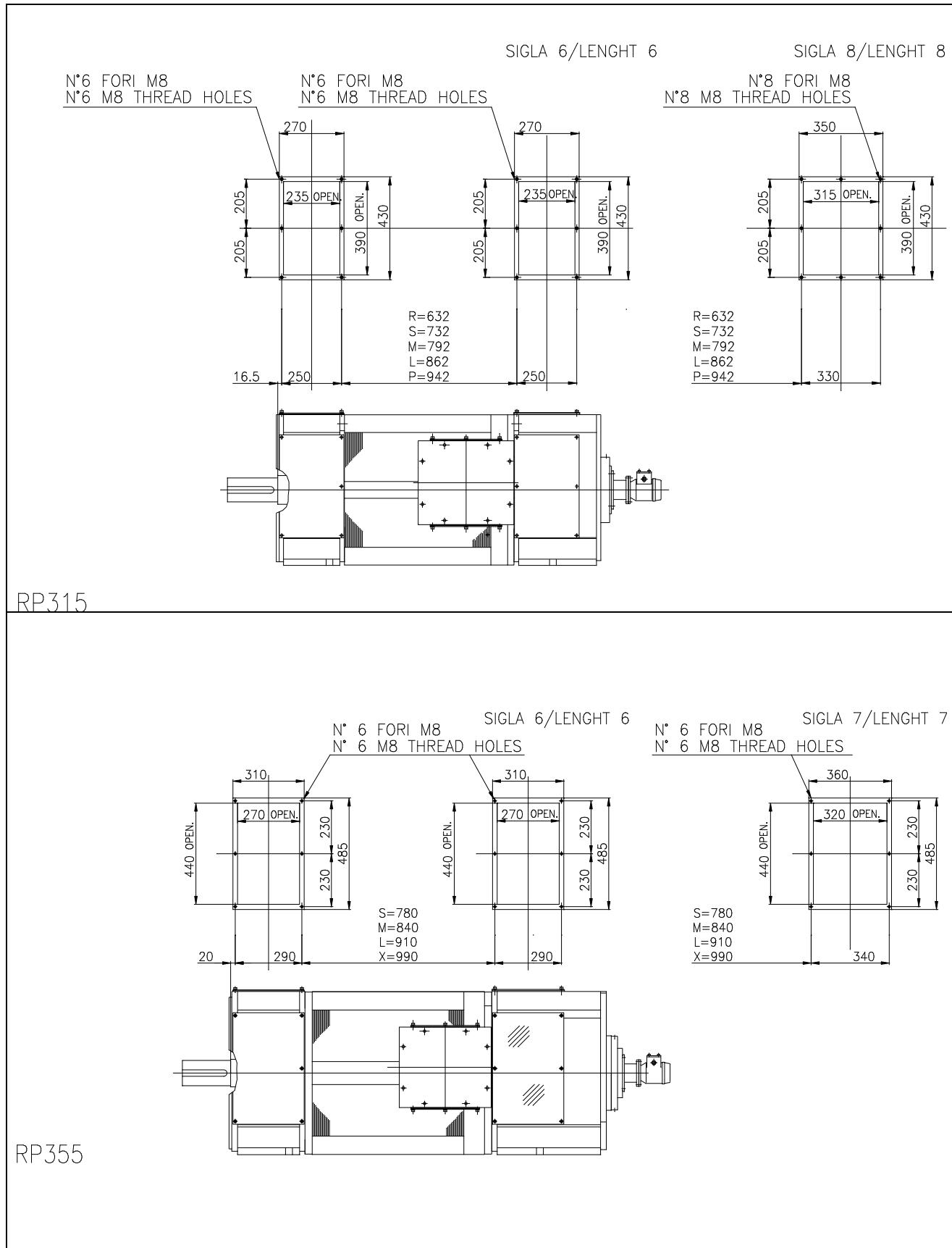
Ventilation ducts opening (IP44) – Frames 200-225-250-280-315-355



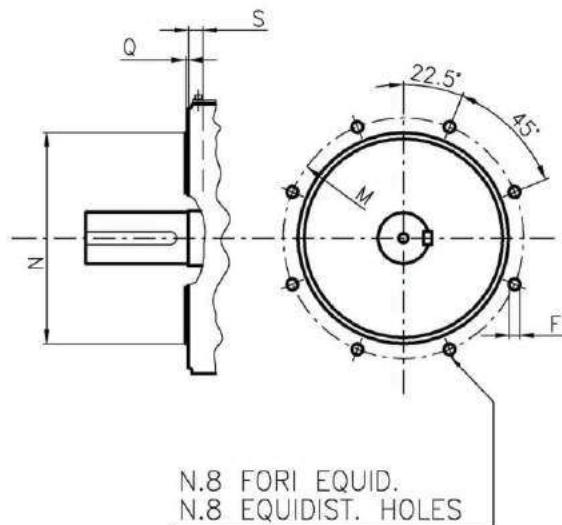
Ventilation ducts opening (IP44) – Frames 200-225-250-280-315-355



Ventilation ducts opening (IP44) – Frames 200-225-250-280-315-355

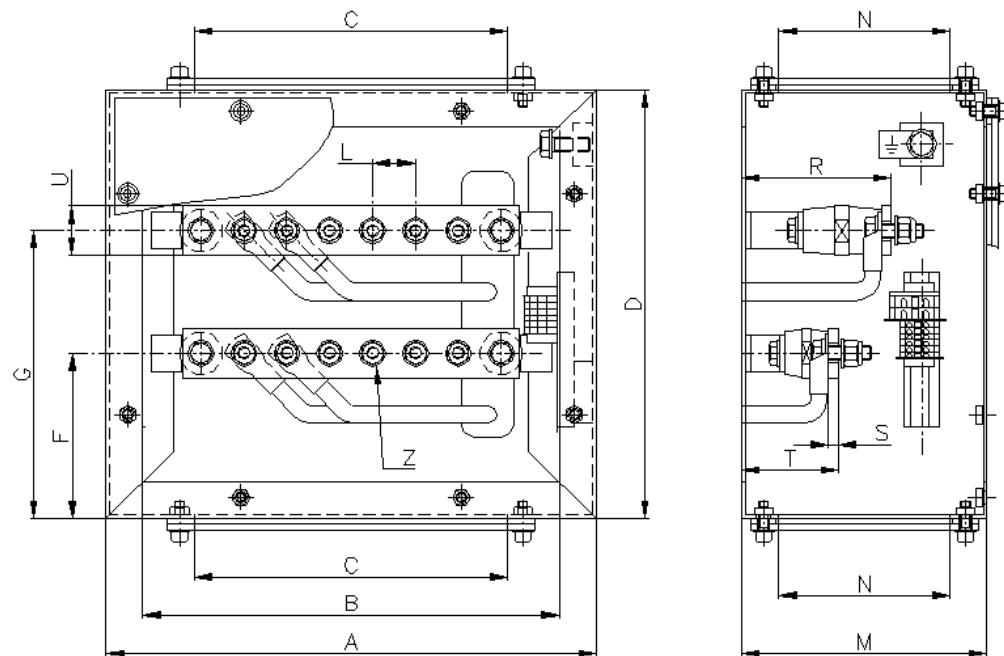


Standard flanges details – Frames 200-225-250-280-315-355



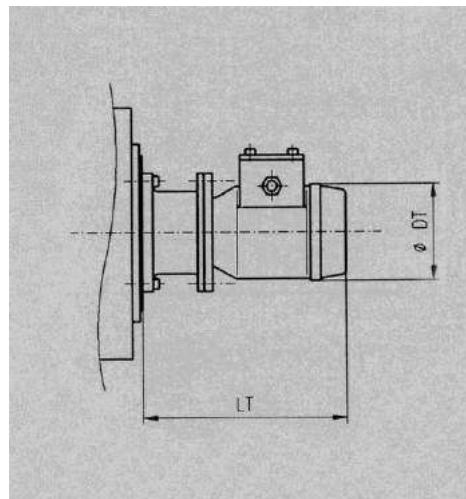
Frame size	Dimensions (mm)				
	M	F	N	Q	S
RP200	Ø300	Ø19	Ø250j6	5	18
RP225	Ø400	Ø19	Ø350j6	5	24
RP250	Ø400	Ø19	Ø350j6	5	24
RP280	Ø500	Ø19	Ø450j6	5	24
RP315	Ø600	Ø24	Ø550js6	6	24
RP355	Ø600	Ø24	Ø550js6	6	24

Main terminal box dimensions – Frames 200-225-250-280-315-355



	A	B	C	D	F	G	L	M	N	R	S	T	U	Z
RP200	300	245	170	255	95	175	27	150	90	85	5	57	30	N.4+4 M10
RP225-250	315	255	170	280	100	185	32	150	90	85	5	60	30	N.4+4 M10
RP280-355	400	340	275	350	135	235	35	200	140	125	8	85	40	N.4+4 M12

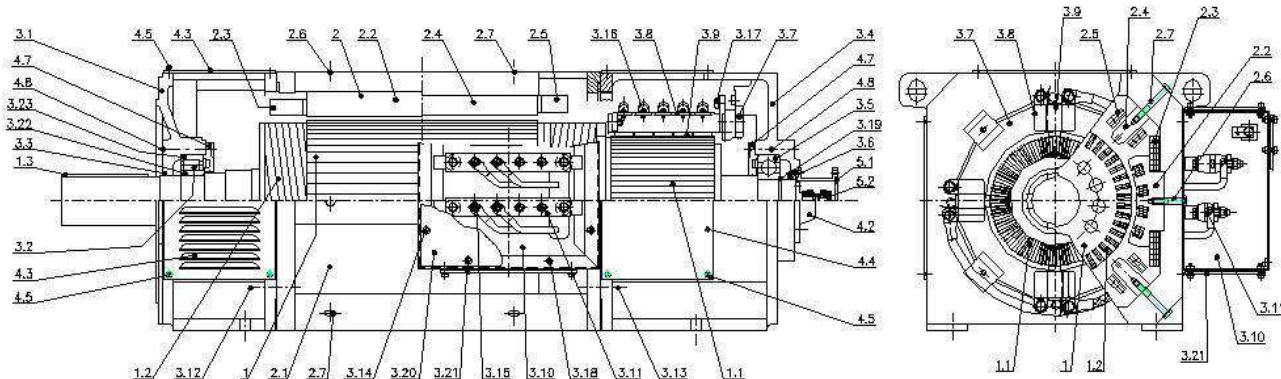
Main dimensions of tachogenerators, pulse generators and integrated units for speed control



To obtain the total motor length, including the unit for speed control, please add the dimension L in the drawing to the dimension LT shown in the following table.

Type	LT (mm)		\varnothing DT (mm)	Weight (kg)
	Frames 200-250	Frames 280-355		
REO444L1	150	160	69	1
REO444N1	190	200	96	1,9
REO444R1	195	205	95	2,8
REO444R2	215	225	95	3,2
TDP0,2LT4	205	215	105	2,5
DFS60	130	140	75	0,2
POG9	180	190	105	1
REO444R1 + RC2	265	275	96	3,3
TDP0,2LT + FSL	250	260	115	3,5
REO444R1 + 115T	280	290	100	4
TDP0,2LT + POG9	255	265	87	3,3
REO444R1 + RC2 + 115T	350	360	96	5,2
TDP0,2LT + POG9 + FSL	350	360	87	4,3
POG9 + FSL	235	245	87	3,5

Section drawing frames 200-355

1. Rotor

- | | | | |
|-----|---|-----|----------------------|
| 1.1 | Commutator | 4.1 | Electric fan |
| 1.2 | Rotor coil | 4.2 | Shaft end protection |
| 1.3 | Shaft key | 4.3 | DE door |
| 1.4 | Fan (only for self-ventilated machines-IC 01) | 4.4 | NDE door |
| | | 4.6 | Cooling system |
| | | 4.7 | Internal grease seal |

2. Stator with poles

- | | | | |
|-----|--------------------------|-----|--------------------------------------|
| 2.1 | Stator core | 5. | <u>Accessories (only on request)</u> |
| 2.2 | Main pole with coil | 5.1 | Tachoprovision |
| 2.3 | Main pole coil | 5.2 | Tachocoupling |
| 2.4 | Auxiliary pole with coil | 5.3 | Tachogenerator |
| 2.5 | Auxiliary pole coil | 5.4 | Air flow switch |

- 3.1 DE shield
- 3.2 DE bearing
- 3.3 DE end seal
- 3.4 NDE shield
- 3.5 NDE bearing
- 3.6 NDE seal
- 3.7 Brush-holders rocker
- 3.8 Brush-holder
- 3.9 Brush
- 3.10 Terminal box
- 3.11 Terminal board
- 3.19 Seeger ring (if existent)
- 3.20 Terminal box cover
- 3.21 Cover for cable leads outlet
- 3.22 Roller bearing inside ring
- 3.23 Roller bearing outside ring

E. COMMERCIAL INFORMATION**E.01 Offers**

Except different notice, our offers are valid 30 days from date of issue.

E.02 General Terms of Supply

The general terms of supply are an integral part of all our offers and order confirmations. Any special supply clauses should be agreed upon individually with the Customer when ordering, which delete and replace only the corresponding clauses of the General Terms of Supply, leaving all the others valid. The General Terms of Supply are available on request and are printed on the back of all order confirmations.

General

- The general sales conditions listed herein are to be considered valid for any order made to SICMEMOTORI and are an essential part of each order. Any derogative clauses or special supply conditions must be expressly stated in the text of the SICMEMOTORI Order Confirmation or otherwise agreed in writing. The issue by the Customer of an order to SICMEMOTORI and the subsequent receipt of SICMEMOTORI Order Confirmation involves, amongst other things, the acceptance of the present general sale conditions and every other specific conditions stated on the Order Confirmation.
- Any behaviour, also of repetitive nature, by either of the two parties which does not coincide with one or more of the present conditions will not in any way jeopardise the right of the other party to request their application at any time.

Manufacturer liability

- SICMEMOTORI, in its capacity as manufacturer of the goods supplied to the Customer, is responsible for damages attributed to defective products in accordance with Italian Law DPR 224 of 25 May 1988.
- The Customer is aware that all products manufactured by SICMEMOTORI are designed exclusively for installation and operation in industrial environments, by technical personnel who are sufficiently experienced and made aware of the potential hazards which may derive from the improper use of rotating electrical machines.
- For this purpose, the Customer undertakes to provide the operators assigned to the installation and operation of SICMEMOTORI products, the booklet containing the Installation, Operation and Maintenance Instructions, supplied by SICMEMOTORI with the product, and to ensure the observance of the prescriptions contained in it. The Customer will undertake the same obligations in the event of transfer of SICME MOTORI products to third parties.
- The responsibility for defective products is excluded in all cases covered by article 6 of Italian Law DPR 224/1988. SICMEMOTORI shall have no obligation to provide compensation for indirect or abstract damages such as, without limitation, lost of production, lost of earnings, lost invoicing, costs linked to production stoppage, etc. In any case SICMEMOTORI declines all responsibility in case of tampering with its products, or defects due to repairs or operations by third parties who have not been explicitly authorised.

Orders and order confirmations

Orders forwarded by the Customer to SICMEMOTORI shall be deemed to be accepted only if confirmed in writing by SICMEMOTORI (order confirmation forwarded by post, fax or e-mail). The text of the order confirmation shall in any case prevail over any other conditions or clauses contained in the Customer's order and will remain the sole document with contractual validity, unless otherwise stated by the Customer, which must reach SICMEMOTORI within fifteen days of receipt of the order confirmation.

Delivery terms

The delivery terms are those stated on the order confirmation, which must be considered as an indication of the date upon which the product will be available. SICMEMOTORI is therefore exonerated from all responsibility for confirmed damages due to delivery delays.

Risk transfer

The products shall be delivered and sold ex SICMEMOTORI works in Turin, Italy. Should the goods be sold free at destination, following explicit agreement stated in the order confirmation, the transfer of risk from SICMEMOTORI to the customer shall take place upon departure of the products from the SICMEMOTORI plant.

Payment terms

Unless otherwise agreed, payment shall be made upon delivery of the goods. The prices indicated shall be net of all expense, discount or tax. The Customer is bound to pay the price at the moment the goods become available for pick up. Omitted or late payment according to the specified terms shall cause the immediate imposition of interest to be charged at a current annual bank rate, as well as the withdrawal of the Customer's benefit of such term for all future orders, and shall entitle SICMEMOTORI to demand immediate payment or to consider suspended or cancelled the fulfilment of all other pending orders.

Warranty

SICMEMOTORI guarantees its products for 12 months from the date of delivery. The warrantee covers exclusively manufacturing defects ascribable to SICMEMOTORI, who may decide to repair or replace the product or the part deemed defective, as seen fit. The cost and risk involved in transporting the product from the Customer to SICMEMOTORI shall be borne by the former. The warranty is automatically voided in case of tampering or unauthorised interventions, and does not extend to parts normally subject to wear (e.g.: bearings, brushes, filters).

The warranty is also voided in case of failure to comply with the prescriptions contained in our Installation, Operation and Maintenance Instructions, available to the Customer on request, an excerpt of which is enclosed inside the terminal boxes of all machines supplied by SICMEMOTORI.

If a part is replaced or repaired, the warranty shall be renewed solely for that piece. The Customer may not withhold payment on the grounds that the warranty does not meet his satisfaction. In all cases the warranty is voided if the Customer fails to comply with that indicated in subsection 1 of article 1495 of the Civil Code. **Warranty and sales support are regulated by instructions given by SICMEMOTORI ISO9001-2000 Quality System.**

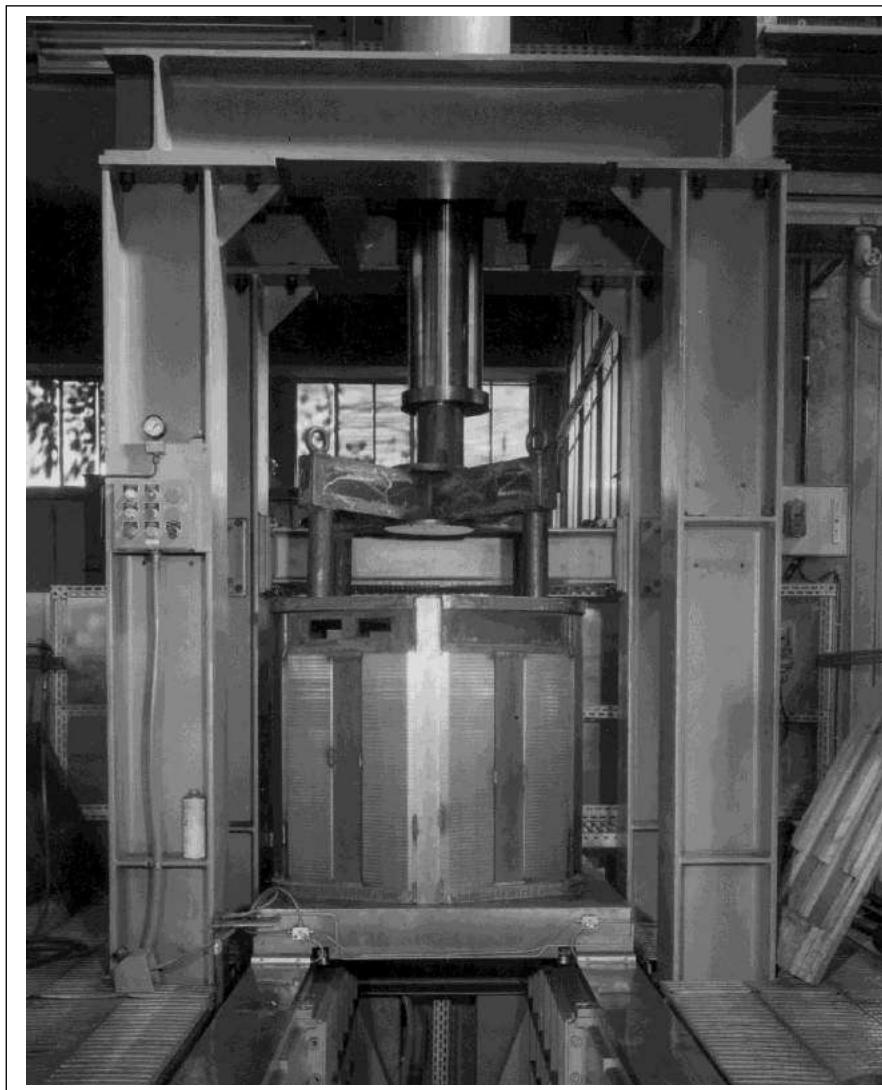
Applicable law and jurisdiction

- The contract of which these general conditions are an integrated part is governed by current Italian laws.
- Any controversy that should arise between the parties regarding the contracts of which these general conditions are an integrated part shall be heard before Turin Court.

E.03 Guide sheet for requests for quotations and orders transmission

The following page shows a reproduction of form CT.01 used as a guide for completing the technical part of requests for quotation (which must also be used when sending the order).

Copies of this sheet are available c/o SICMEMOTORI sales organisation.





SICMEMOTORI

Sicme Motori Srl

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 sicmemotori@sicmemotori.com – www.sicmemotori.com

D.C. ELECTRIC MACHINE

Offer/Inquiry No.	Item
Date	Page

Customer

Type of installation:	Operated machine:			
<input type="checkbox"/> d.c. motor	<input type="checkbox"/> d.c. generator	type		Q.ty
Power	-	kW	Max. loads: continuous	%
Speed	-	rpm	Frequent	% base speed % max speed
Armature V	-	V	Occasional	% base speed % max speed
Armature I	-	A		
Field V		V	<input type="checkbox"/> Compensating windings	
Method of cooling	IC06 (PVA)	IC16 (BPVA)	IC17 (BCA)	IC01 (PV)
	IC410 (CNV)	IC610 (CNVC)	IC37 (CBA)	IC36 (BPVAB)
	IC666 (CBARO)	IC86W (CBARH)		
Mounting arrangement	IM1001 (B3)	IM2001 (B35)	IM3011 (V1)	IM3001 (B5)
	IM 1011 (V5)	IM2031 (V36)	IM3031 (V3)	

Standard features

- 3-phase fully controlled bridge supply
- Insulation and temp. rise class H
- Degree of protection IP23
- Duty type S1
- Ambient temperature -15 to +40°C
- Indoor environment, no dust, neutral
- Relative humidity <= 70%
- Max altitude 1000 m.a.s.l.
- Max load 2 In for 15" every 5' or for 1' every 20'
- Separate excitation
- Mounting arrangement IM1001 (B3)
- Standard shaft end
- Direct coupling or toothed belt coupling
- DE ball bearing (<=200) or roller bearing (>225)
- Balancing N degree, with half key
- Terminal box right side DE view (on top <=112)
- Blower on top, commutator side, with filter
- Painting cycle 1, final colour RAL6011 (green)
- Noise level according to IEC 34-9
- IEC 60034-1 Standards

If other datas are not specified, the above will be assured

Modifications

- Supply Ward-Leonard °C
- Temp. Rise Cl. F (105°C) Cl. B (80°C) °C
- Degree of protection IP44 IP55 °C
- Duty cycle %
- Ambient temperature °C max °C min
- Environment external under roof humid-salty
 chemical agent (type)
 other %
- Altitude m. a.s.l. Relative humidity %
- Max load Nema cold Nema hot %
- Excitation Derivate Compound %
- Special shaft dim. keywayed keyless
- Special flange dim. mm
- Belt drive type mm pulley diameter mm pulley width mm
- DE roller bearing (<=200)
- Balancing R degree S degree
- Second power shaft end – dimensions x mm
- Terminal box left DE view on top
- Blower position mm
- Air inlet on top DE NDE
- Painting cycle Final colour RAL
- Tropicalization Noise level dBA
- Special Standards %

Accessories for cooling

- Filter as standard Fan 3x400V – 50 Hz V Hz
- Ventilation failure detector Noise reduction system

Accessories for protection and control

- 1 klixon as standard (1+1 frames =>355)
- klixon PTC thermistors Pt100 Q.ty on main poles Q.ty on auxiliary poles mm
- Brush wear control device (CR1 system) Bearing vibration control sensor Bearing temperature control sensor

Accessories for speed measurement and control

- Tachogenerator/encoder type Provision only Supply
- Overspeed switch type Setting speed rpm

Other accessories

- Anticond. heater V ... Hz single-phase three-phase
- Transparent inspection doors (<=315) Earthing rotor brush
- Gearbox type gear ratio %
- Electromagnetic brake type Braking torque Nm
- Other %

Unit net price

Delivery time

Notes:



Sicme Motori srl – Strada del Francese 130 – 10156 Torino – Italy
 Tel. +39-011-4076311 - Fax +39-011-4500047 – www.sicmemotori.com – sicmemotori@sicmemotori.com

C-RP200-355-E-16-2

The present technical catalogue is completed by the General Description for D.C. motors code:

C-GENDC-E-07

It is necessary to consult both sections in order to obtain complete and correct information. Please ask a hard copy to SICMEMOTORI or download it from SICMEMOTORI web site www.sicmemotori.com.

Customers can determine whether a specific product is suitable for their needs and are thus responsible for the selection, use and results obtained by any product showed in this catalogue. The information contained in the present catalogue does not guarantee the characteristics for the use.

The products listed in this catalogue are exclusively designed and built for industrial purposes.

For particular cases in NON-industrial environments, or where other types of protection must be provided (for example against contact with children fingers, etc.), these guards or additional protections must be realized by the customer.

Any non-observance of the rules for installation, use and maintenance or any modification/tampering with the motor makes the guarantee rights invalid and exempts SICMEMOTORI from any responsibility.

All data and indications shown in this catalogue have to be considered only as a guideline.

Any use of the motor differently from the specifications indicated in this catalogue does not involve any liability for SICMEMOTORI as manufacturer.

SICMEMOTORI reserves the right to modify at any time and without notice the data, the technical characteristics, the dimensions, the weights and the illustrations.

SICMEMOTORI refuses all responsibility for direct or indirect damages caused by possible errors and/or omissions in the present catalogue

The reproduction, even in part, of the present catalogue must be authorized in writing by SICMEMOTORI.



WARNING

The motors and the electrical devices feeding them are electrical components installed on machines and industrial systems subject to high voltage. During operation, these components can be dangerous since they are live and have non-insulated and rotating parts. Therefore, they can be extremely harmful to personnel and objects if the instructions for the installation, the use and the maintenance are not respected.

The motors are always supplied complete with the installation, use and maintenance instruction manual. It is necessary to read and understand all the information contained before proceeding to connect and to start up the installation.

If the above mentioned documentation is lacking, please request a copy to SICMEMOTORI.

CAUTION

All information, data, drawings given in this catalogue are of a purely indicative nature and may be changed without prior notice. SICMEMOTORI shall not be held responsible if the products illustrated herein are used outside their limits of the specifications given.