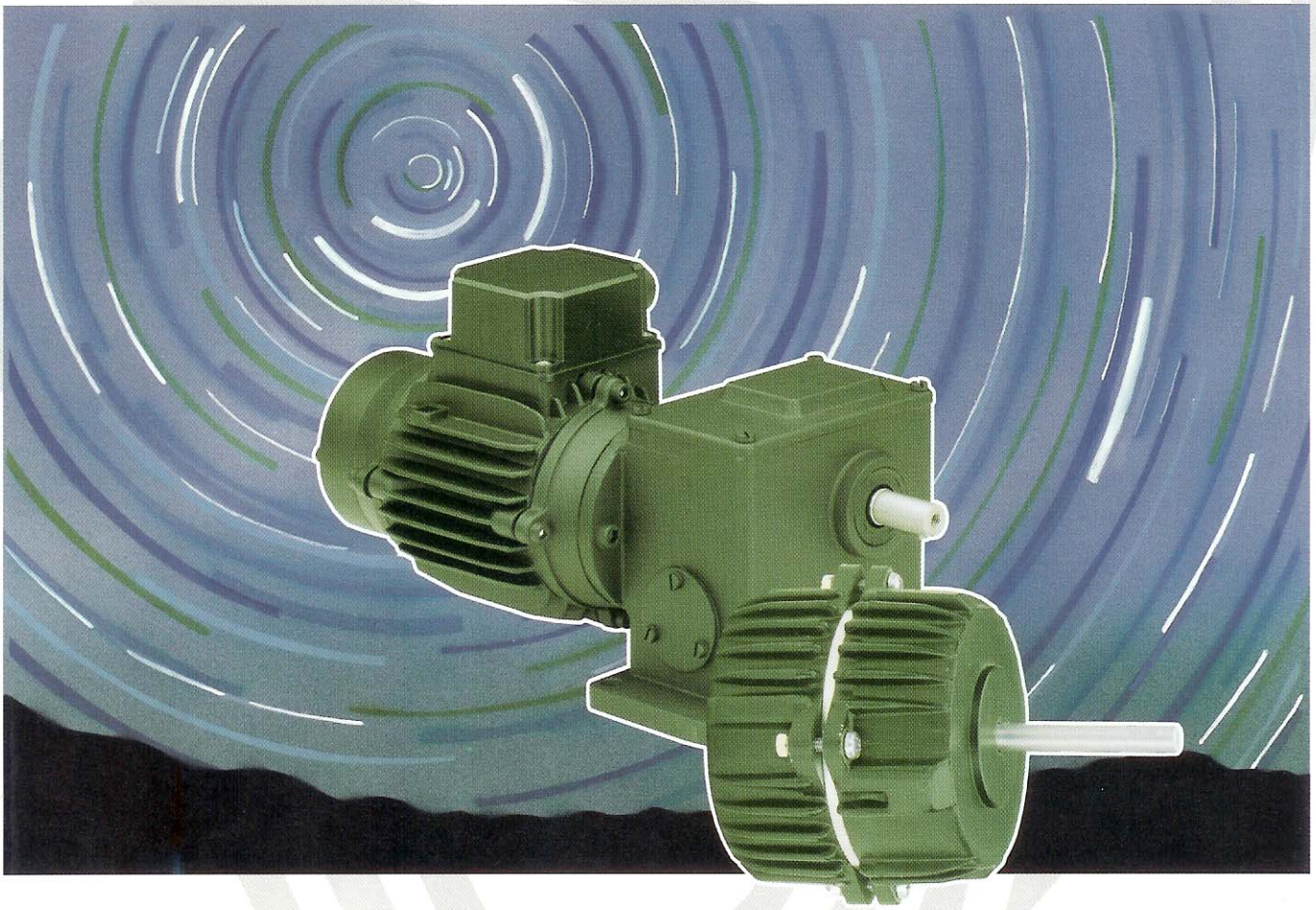


Conventional Electric Motors

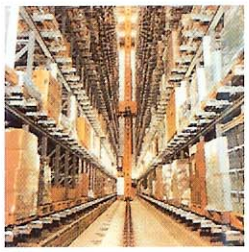
Drives for the hard to please

HEINZMANN®

Electromagnetic Drives

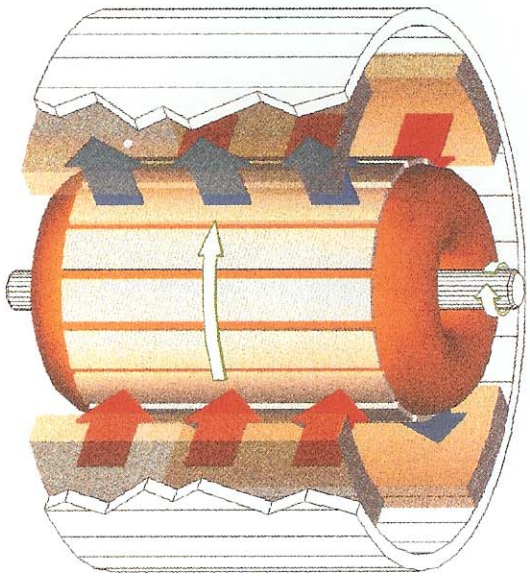
Our Compact Classics:
HEINZMANN Conventional Electric Motors.

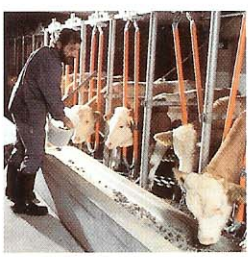
Compact, powerful, durable and economical.



With this product line, we present a mature program of motors for almost every field of application.
Our specialists can rely on 40 years of experience in constructing electromotors and gearings. They develop and build all varieties and types of direct-current-, alternating current- and three phase current motors. Before being delivered, each drive is submitted to extensive and thorough tests of quality and functions. This ensures a standard of quality which takes account of the latest developments in motive power engineering, thus offering you a maximum of security. Our products give proof of their qualification in the following areas:
Travelling devices, vehicle control, filling level measuring devices, medical equipment, elevators, pumps and compressors, welding engineering, agricultural machines, non-destructive material testing devices, tram clutch devices, floor cleaning machines, lifting cylinders, linear drives, packing machines, and many others.

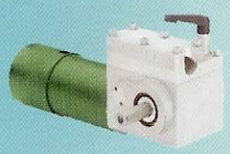
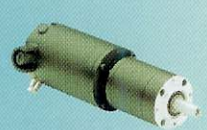
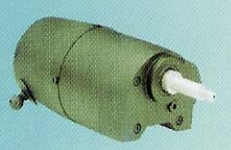
Photographs etc. from AFT and Glatt





This illustration might inform about your specific application for our conventional motors!

Our team of engineers will be happy to give advice and to cooperate with you to find the most suitable solution for your specific application or drive problem. Just give us a call!

Motor type	Power (kW)	Speed (rpm)	Charact
 Direct-current Magneto-electric Motors Illustration: Type GP 114.60	0.01 -1.00	6,000	Direct-c mutato They ar type IP
 Direct-Current Shunt Motors Illustration: Type GN 76.40 (Diagram on the right)	0.01 - 1.00	6,000	Direct-c As a pa number on acco ability.
 Wound Motors Illustration: Type GR 60.25	0.01 - 1.00	10,000	With se the arm rent. U show s operati
 Direct-current Compound-wound Motors Illustration: Type GD 120.55	0.03 - 1.00	6,000	In addi compou equippe exciter f can be
 Single Phase Capacitor Motors Illustration: Type EK 90.20	0.005 - 2.20	2,800	Single p main w tric) dis ing is sl
 Three-Phase Current Motors Illustration: Type DS 80.55	0.06 - 4.00	2,800	3-phase have 3 s ment. T type, as ce stabl
 Slip-ring Motors Illustration: Type SR 180.40 with brake and spur-gearing	0.10 - 1.00	4,000	Besides equippe supplie
Geared motors	**Torque up to (Nm)**		**Charact**
 Illustration: Motor Type GP 76.50 with Gear Type: SNSR 40 (Worm-spur-gearing)	120		Worm g in com ular ad noise d
 Epicyclic Gears Illustration: Motor Type GP 76.50 Gear Type: PN 10.2	150		Epicycli able hc epicycli speed /
 Spur-Gears Illustration: Motor Type GP 114.28 Gear Type: SR 40.2	1000		Spur ge compa well as

eristics

urrent magneto-electric motors are com-
motors with shunt motor characteristics.
available as cased motors up to protection
68.

rrent shunt motors are commutator motors.
rticular feature, they maintain high speed
constant on load and are preferably used
unt of their infinitely variable speed adjust-

ries wound motors (main current motors),
ature current is at the same time exciter cur-
hlike shunt motors, series wound motors
able power characteristics also beyond the
g point.

ion to the shunt winding, direct-current
nd-wound motors (compound motors) are
d with a series winding which supports the
eld during strain. Thus, speed drop on load
educed.

hase capacitor motors possess besides the
nding an auxiliary winding with a 90° (elec-
placement. The current of this auxiliary wind-
ifted in phase by an operating capacitor.

current motors (squirrel-cage induction motors)
tator windings, each with a 120° (el.) displace-
ey constitute the most frequently used motor
hey require only little maintenance and produ-
characteristics within their rated power range.

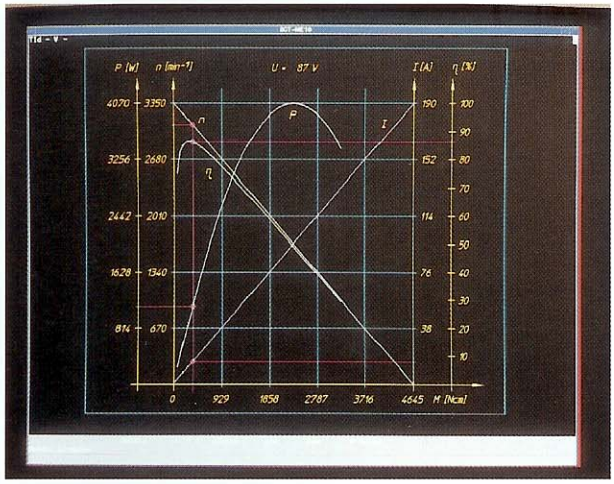
the stator winding, slip-ring motors are
d with an armature winding. This winding is
with voltage via brushes.

eristics

ears serve the purpose of torque conversion
ination with speed reduction. Their partic-
antages are high transmission ratios and low
evelopment.

gears are one stage pinion gears with a rotat-
using. One stage, two stage, and three stage
gears are available, so that a large range of
torque can be covered.

ars are distinguished by simple construction,
design, high efficiency under high load, as
y operating safety characteristics.



Power diagram of a HEINZMAN Conventional Electric Motor.
All characteristics are theoretical values and should serve for your guidance for choosing a motor.

HEINZMANN® direkt

By telephone, Info-Card or FAX:
Start your hotline with us now!

Tel: (49 76 73) 82 08-0
Fax: (49 76 73) 82 08-88

INFO-CARD

☐ We would like further information on conventional motors,

Specifically on.....

☐ Please send us technical data on.....

☐ In addition we would like information on:.....

○ Speed Governors ○ Hub Wheel Motors ○ DC Disc Motors

☐ We request a telephone call:

Name

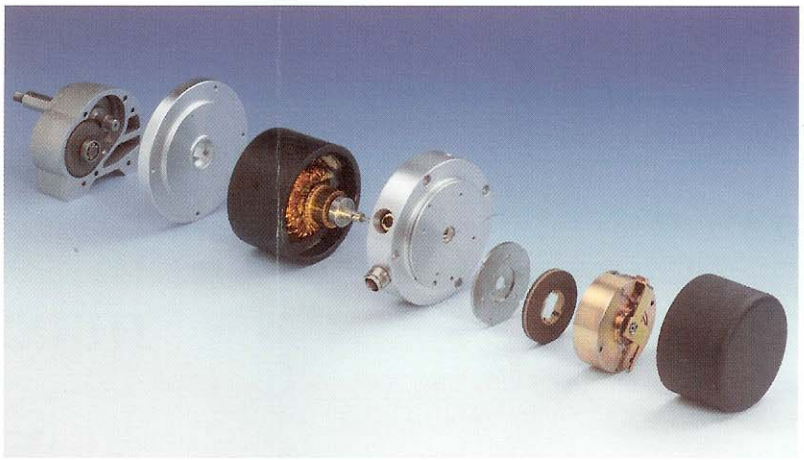
Telephone-Number

ustration
inform
your spe-
plication
conven-
notors!

1 or

Direct-current shunt motor
GN 120.65

Direct current-permanent magnet motor with spur gears and brakes.
GP 114.28 SR 40.2



Quality even in the smallest detail.
Besides this selection of basic versions, we develop special motors that will solve your specific drive problems and satisfy your demands. Challenge our creativity!

Reply Card

Stamp

Fritz Heinzmann GmbH & Co.
Am Haselbach 1

D-79677 Schönau
Schwarzwald
Germany

Sender

Name _____

Dep./Pos. _____

Company _____

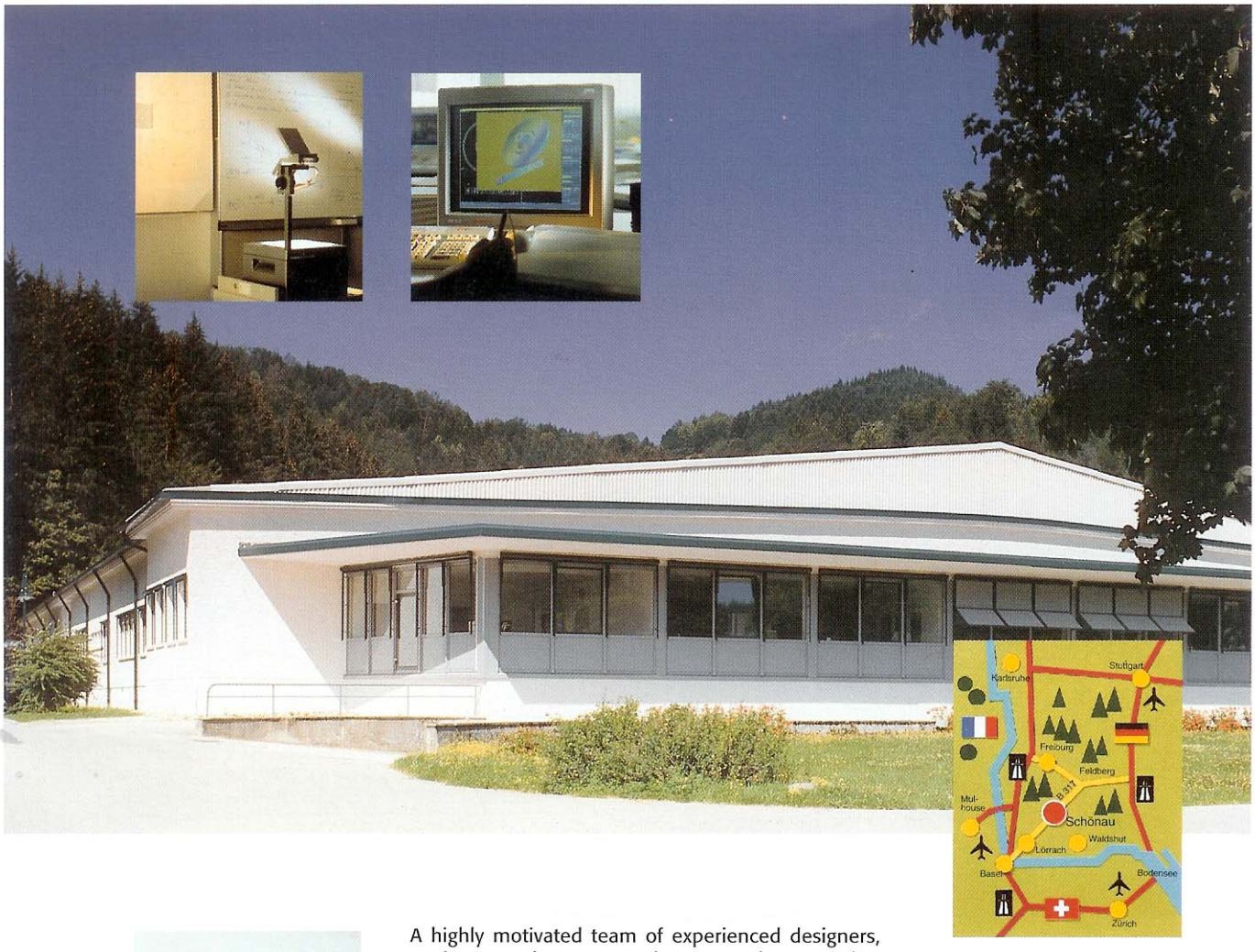
Adress _____

_____

_____

Telephone _____

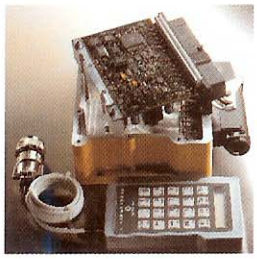
Telefax _____



A highly motivated team of experienced designers, engineers and experts produce not only motors but also ideas and application expertise for a multitude of customers worldwide.

Our factory in Schönau in the southern part of the black forest region of Germany, is both up to date and well integrated into the natural environment. It is a symbol of a company culture which is based on modern technology and solid tradition.

Also from HEINZ-MANN:
Speed Governors for combustion engines.



Also from HEINZ-MANN:
Hub Wheel Motors for direct drive.

Also from HEINZ-MANN:
DC Disc Motors for universal use.

Fritz Heinzmann GmbH & Co.
Am Haselbach 1 · D-79677 Schönau (Black Forest) Germany phone (-49-7673) 8208-0 Fax (-49-7673) 8208-88

HEINZMANN®

Electromagnetic Drives

QUALITY ISO 9001 HEINZMANN®

PI-10/94, HD, Printed in Germany, © MIKE