

people in motion

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COMBIDRIVE

**KEB**

**KEB**

# Frequency Inverter KEB COMBIVERT F5

## Selection Tablet 400 V 3ph

The new F5 KEB-frequency inverter generation combines versatility and easy handling.

**F5 BASIC** 0.37 .. 11 kW  
A reliable frequency inverter for standard applications

**F5 GENERAL** 0.37 .. 315 kW  
An inverter offering maximum versatility with enhanced programming facilities, compatibility with bus protocols. A must have for the design of high quality machines.

**F5 MULTI** 0.37 .. 315 kW  
Field oriented frequency inverter for synchronous and asynchronous motors with pluggable feedback modules for

- Resolver
- Incremental encoder
- Sin / Cos encoder
- Absolute encoder

**F5 APPLICATION** 0.37 .. 315 kW  
Bespoke solutions optimized for specific requirements conditions

- Industry specific software
- alternative cooling systems (cooling plate, fluid cooling)

Pn [kW]	In [A]	Imax [A]	fschalt [kHz]	Filter Option EN55011	Housing size		
					BASIC	GENERAL	MULTI
0,37	1,3	2,8	16	A/B	B	B	-
0,75	2,6	5,6	16	A/B	B	B	D
1,5	4,1	8,9	16	A/B	B	B	D
2,2	5,8	12,5	16	B	B	B	D
49,5	21	8	B	B	B		D
5,5	12	25,9	4	B	D	D	D
7,5	16,5	33	8	B	E	E	E
11	24	48	4	B	E	E	E
15	33	59	8	B	-	G	G
18,5	42	75	4	B	-	G	G
22	50	90	8	B	-	H	H
30	60	108	4	B	-	H	H
37	75	135	8	B	-	R	R
45	90	162	8	B	-	R	R
55	115	207	4	B	-	R	R
75	150	227	4	B	-	R	R
90	180	270	8	A/B	-	U	U
110	210	315	8	A/B	-	U	U
132	250	375	4	A/B	-	U	U
160	300	450	2	A/B	-	U	U
200	370	555	2	A	-	W	W
250	460	690	2	A	-	W	W
315	570	855	2	A	-	W	W

### Dimensions

Housing size	B x H x T	
	Inverter IP20	with HF-Filter
A	75 x 185 x 145	75 x 185 x 145
B	90 x 220 x 160	90 x 220 x 200
D	90 x 250 x 181	90 x 250 x 231
E	130 x 290 x 200	130 x 352 x 250
G	170 x 340 x 255	181 x 415 x 311
H	297 x 340 x 255	300 x 445 x 321
R	342 x 520 x 360	110 x 478 x 115 *
U	342 x 800 x 360	110 x 598 x 240 *
W	670 x 940 x 380	260 x 386 x 135 *

\* external Filter

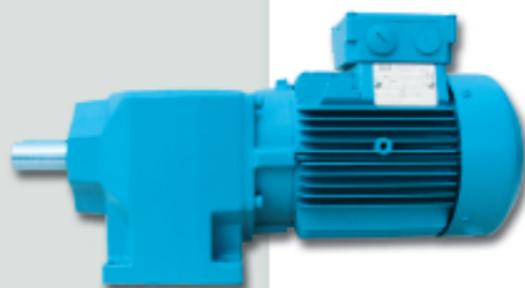
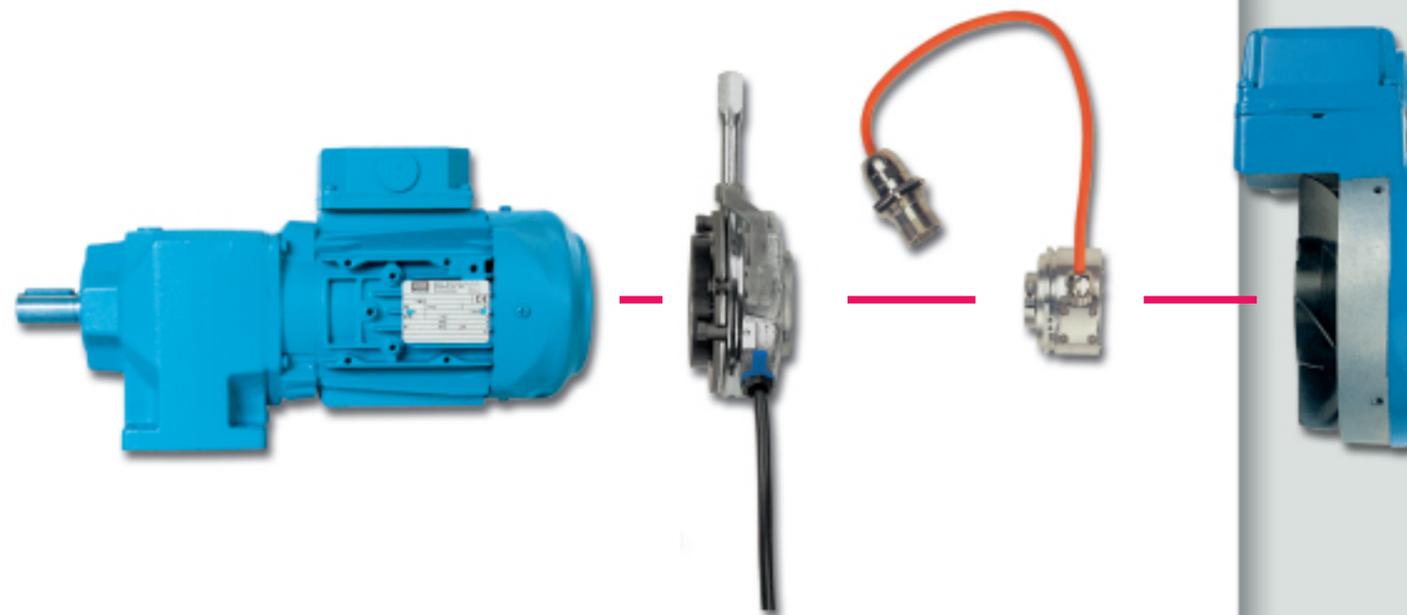


# Geared Motors KEB COMBIDRIVE

The KEB geared motor range is continuously being expanded and developed to meet costumers requirements.

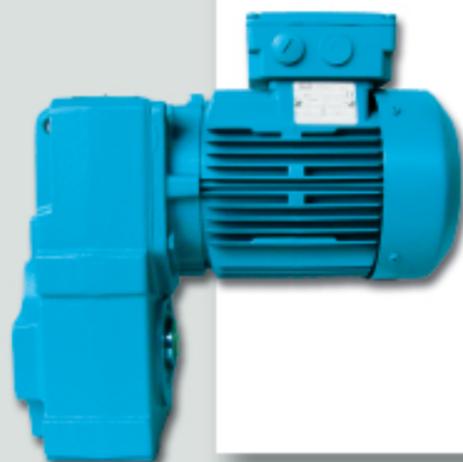
To give

- best stability, safety and reliability
- Design and manufacturing incorporating the latest technology.
- The motor options for open and closed loop inverter operation are an integral part of the standard program
- further to the various standard options the geared motors can be adapted to specific to your requirements.



## Helical Geared Motors G

Gear	kW *	rpm *	Nm	Output Shaft
G1	- 0.75	20-400	- 75	Ø20x40
G2	- 1.5	20-400	- 150	Ø25x50
G3	- 4	6.3-400	- 300	Ø30x60
G4	- 9.2	2-400	- 600	Ø40x80
G5	- 18.5	2-300	- 1250	Ø50x100
G6	- 30	2-300	- 2500	Ø60x120
G7	- 30	4-125	- 5000	Ø75x140
G8	- 30	4-65	- 10000	Ø90x170

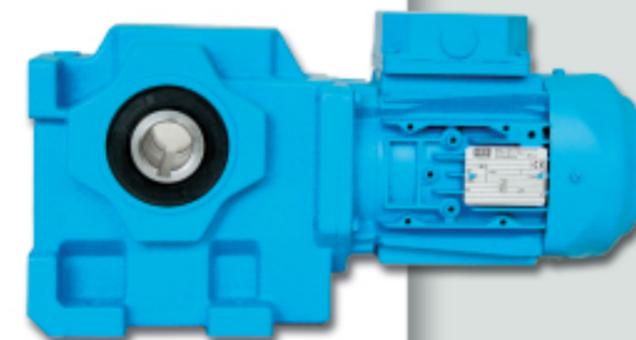


## Shaft Mounted Helical Geared Motors F

Gear	kW *	rpm *	Nm	Hollow Shaft
F3	- 4	6.3-400	- 300	Ø30
F4	- 9.2	2-400	- 710	Ø40
F5	- 18.5	2-300	- 1500	Ø50
F6	- 30	2-300	- 2800	Ø60

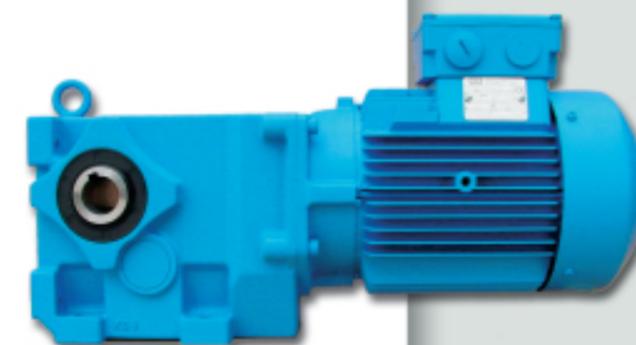
## Helical-Worm Geared Motors S

Gear	kW *	rpm *	Nm	Hollow Shaft
S0	- 0.75	6-280	- 90	Ø20
S1	- 0.75	3-140	- 180	Ø25
S2	- 1.5	8-140	- 350	Ø30
S3	- 4	2.3-130	- 700	Ø40
S4	- 5.5	0.8-130	- 1500	Ø50



## Helical-Bevel Geared Motors K

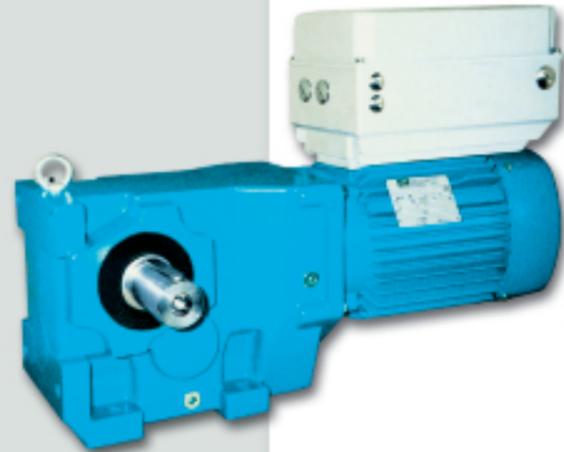
Gear	kW *	rpm *	Nm	Hollow Shaft
K3	- 4	2-400	- 350	Ø30
K4	- 9.2	2-400	- 650	Ø40
K5	- 18.5	2-300	- 1300	Ø50
K6	- 30	2-300	- 2600	Ø60
K7	- 30	1.3-200	- 4200	Ø70



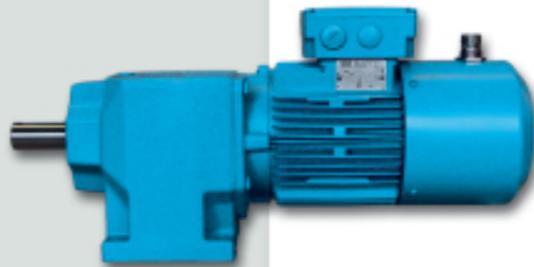
\* 4-pole motor

## Drive Systems

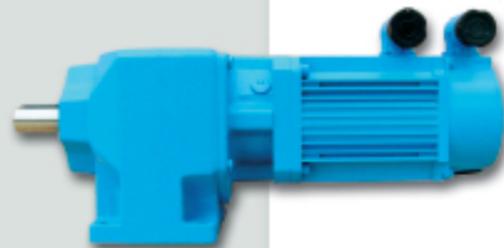
*KEB frequency inverters and geared motors are perfectly matching. Various drive combinations are available, helping the designer to configure individual drives.*



*The integrated frequency inverter – motor can control complete operating sequence. No separate switch cabinet is required*



*KEB asynchronous-servo systems are supplied as complete package including cables and accessories. With the pre-programmed system it is simple to commission the drive.*



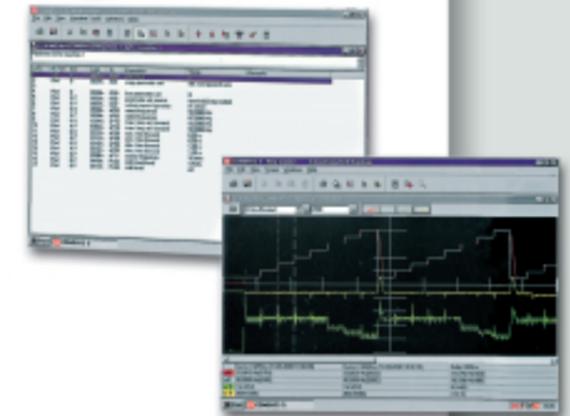
*The flexibility of the geared motor program helps the designer to incorporate servo drives perfectly into his machine.*

## KEB-Support

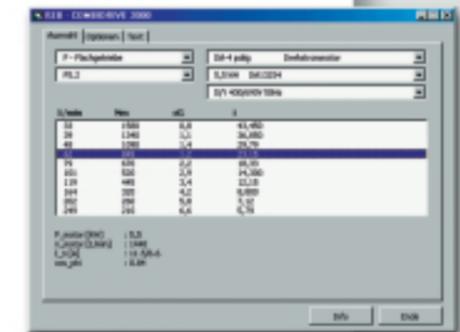
*Extensive catalogue material and operation manuals supply information quickly and allow a safe selection of drive components.*



*The KEB COMBIVIS PC Software makes easy adjustment and diagnostics of KEB frequency inverters possible.*



*The KEB COMBIDRIVE catalogue software simplifies the selection of KEB-Geared motors and produces the result in several output formats.*



*Application engineers will be ready for consultations to solve special drive problems.*

