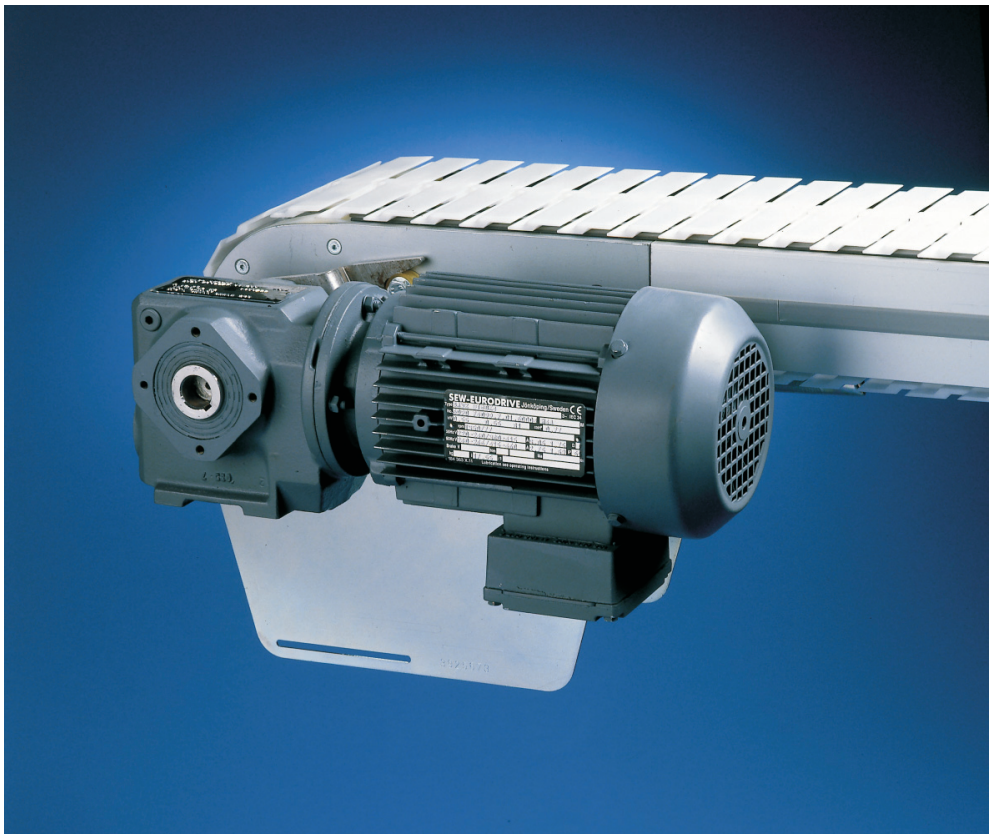
Drive unit guide



FlexLink®

2011-05

Drive unit guide

2007-12-06

Motor specifications (page 24–32) now include motors for new X85 conveyor system

2008-09-24

XTUC S11 Part No.

2009-02-03

Motor spec variable speed 50/60 Hz "Fits 0-unit vers."

Speed tables updated

2009-10-22

Motor spec 50 Hz fixed speed updated DT=>DR

2010-04-06

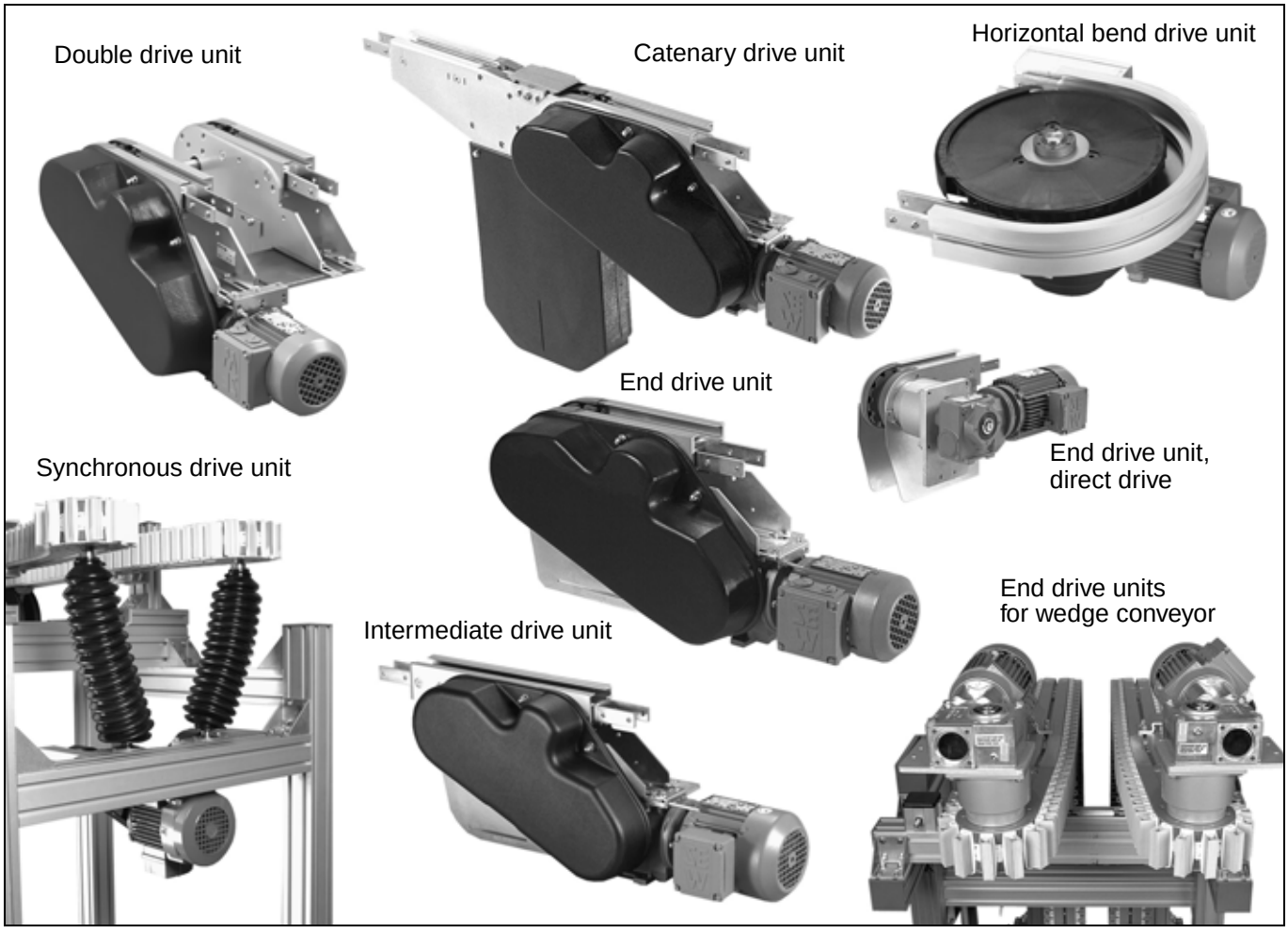
SPG partno. XTUC S11, XTPT PWxPL 50 Hz/60 Hz

2010-09-21

Chapter X45, X85 inserted

Contents

General information



Document information

This *Drive unit guide* contains information about how to order complete drive units, 0-units, basic units, and separate motors. For ordering of spares, see *Spare Parts*.

FlexLink drive units

FlexLink Systems offers many drive unit configurations to satisfy various requirements for speed and traction force, thus covering a very wide range of applications:

- End drive units and double drive units are installed at one end of the conveyor.
- Intermediate drive units can be placed anywhere along the conveyor.
- Catenary drive units are used in conveyors where chain return on the bottom of the conveyor is not suitable or desired.
- Horizontal bend drive units are especially suitable for endless conveyors without a return chain.
- Synchronous drive units are intended for vertical wedge conveyors.

Further information about how to select drive units and make calculations for various applications is given in the FlexLink product catalogue.

Slip clutches are included in all drive units except the direct drive units with torque arm. Primarily, the slip clutch serves to prevent damage to the products or to the conveyor itself if the load becomes excessive. *The slip clutch is not a personal safety device*.

The slip clutch has to be correctly adjusted so that it will not slip whenever the drive unit is started under full load. There are three types of slip clutch available: Standard and direct drives 1/2" and 5/8" for roller chains.

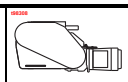
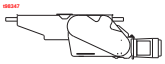
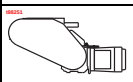
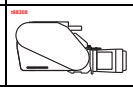
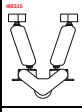
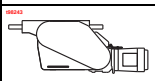
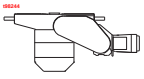
All drive units except direct drive units are provided with a protective cover enclosing the transmission chain.

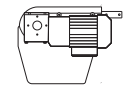
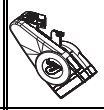
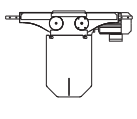
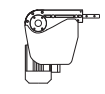
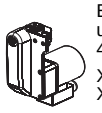
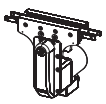
Drive units with variable speed control

Many of the drive units can be delivered with variable speed motors. See Technical reference .D. in the *FlexLink product catalogue* for more information.

The catalogue is also available on the internet. Go to http://www.flexlink.com.

Drive unit overview

Drive unit type		XS (page 16) 45 mm	XL (page 18) 65 mm	X85 (page 21) 85mm	XM (page 24) 85 mm	XH (page 27) 105 mm	XK (page 30) 105 mm
End drive unit		XSEB _ HL XSEB _ HR	XLEB _ HL XLEB _ HR	XBEB A85_ HL XBEB A85_ HR	XMEB _ HL XMEB _ HR	XHEB _ HL XHEB _ HR	XKEB _ L XKEB _ R XKEB _ HL XKEB _ HR
End drive unit, type J		--	XLEB _ HLJ XLEB _ HRJ	--	XMEB _ HLJ XMEB _ HRJ	XHEB _ HLJ XHEB _ HRJ	--
End drive unit, direct drive, with slip clutch		XSEB _ HLP XSEB _ HRP	XLEB _ HLP XLEB _ HRP	XBEB A85_ HLP XBEB A85_ HRP	XMEB _ HLP XMEB _ HRP	XHEB _ HLP XHEB _ HRP	XKEB _ LP XKEB _ RP
End drive unit, direct drive, no slip clutch, Type C		--	XLEB _ CNLP XLEB _ CNRP	XBEB A85_ CNLP XBEB A85_ CNRP	XMEB _ CNLP XMEB _ CNRP	--	--
End drive unit, direct drive, no slip clutch, Type M		--	XLEB _ MNLP XLEB _ MNRP	XBEB A85_ MNLP XBEB A85_ MNRP	XMEB _ MNLP XMEB _ MNRP	--	--
End drive unit, direct drive, no slip clutch, Type H		--	XLEB _ HNLP XLEB _ HNRP	XBEB A85_ HNLP XBEB A85_ HNRP	XMEB _ HNLP XMEB _ HNRP	XHEB _ HNLP XHEB _ HNRP	--
End drive unit, over-head motor		XSEH _ HL XSEH _ HR	XLEH _ HL XLEH _ HR	--	XMEH _ HL XMEH _ HR	XHEH _ HL XHEH _ HR	XKEH _ L XKEH _ R
End drive unit, guided		--	XLEB _ HLG XLEB _ HRG	--	XMEB _ HLG XMEB _ HRG	XHEB _ HLG XHEB _ HRG	--
End drive, double		XSEB _ HLD XSEB _ HRD	XLEB _ HLD XLEB _ HRD	XBEB DD A85_ HLD XBEB DD A85_ HRD	XMEB _ HLD XMEB _ HRD	XHEB _ HLD XHEB _ HRD	XKEB _ LD XKEB _ RD
End drive unit for wedge conveyor		--	XLEB _ HLGP XLEB _ HRGP	XBEB A85_ HLGP XBEB A85_ HRGP	XMEB _ HLGP XMEB _ HRGP	--	--
Synchronous drive unit for wedge conveyor		--	XLED H	--	XMED H	--	--
Intermediate drive unit		--	XLER _ HL XLER _ HR	XBER A85_ HL XBER A85_ HR	XMER _ HL XMER _ HR	XHER _ HL XHER _ HR	--
Catenary drive unit		--	XLEC _ HL XLEC _ HR	--	XMEC _ HL XMEC _ HR	XHEC _ HL XHEC _ HR	XKEC _ L XKEC _ R XKEC _ HL XKEC _ HR
Horizontal bend drive unit		XSEW H	XLEW H	XBEW 180A85HNP XBEW 180A85HP	XMEW H	XHEW H	XKEW

Drive unit type	XB (page 32) 182/300 mm	XT (page 33) c/c 210/290/370 mm	EM (page 34)	X45 (page 15) 45 mm
End drive unit, direct drive 	With torque arm: XBEB _ A175 LPB/RPB With slip clutch: XBEB _ A175 LP/RP	With torque arm: XTEB _ LNPD XTEB _ RNPD	EMEB _ NLP EMEB _ NRP	 End drive unit 24 V XUEB L XUEB R
	With torque arm: XBEB _ A295 LP/RP With slip clutch: XBEB _ A295 LPB/RPB	With slip clutch: XTEB _ LPD XTEB _ RPD		
Catenary drive unit, direct drive 	--	With torque arm: XTEC _ LNPD XTEC _ RNPD With slip clutch: XTEC _ LPD XTEC _ RPD	--	 Intermediate drive unit 24 V XUER L XUER R
End drive unit, direct centre drive 	--	XTEB MNPD Heavy-duty version: XTEB HMNPD	--	 End drive unit 380 V-440 V XUEB ML_ XUEB MR_
				 Intermediate drive unit 380 V-440 V XUER M_

Drive unit features

End drive unit with transmission chain and slip clutch
End drive unit, direct drive with slip clutch

- Heavy-duty design.
- SEW S37 worm gear unit.
- SEW SA37 worm gear unit for X_EB HLP/HRP.
- Standard speeds.
- Blind adapter plates available for non-standard applications (not direct drive), see *Spare Parts*.

End drive, overhead motor

- Heavy-duty design.
- SEW S37 worm gear unit.
- Standard speeds.
- Blind adapter plates available for non-standard applications, see *Spare Parts*.

End drive unit, guided

- Heavy-duty design.
- SEW SA37 worm gear unit.
- Standard speeds.
- Blind adapter plates available for non-standard applications, see *Spare Parts*.

Double drive unit

- Available with centre-to-centre spacing 90–350 mm.
- Heavy-duty design.
- SEW SA37 worm gear unit.
- Standard speeds.
- Blind adapter plates available for non-standard applications, see *Spare Parts*.

Intermediate drive unit

- Heavy-duty design.
- SEW S37 worm gear unit.
- Standard speeds.
- Blind adapter plates available for non-standard applications, see *Spare Parts*.

Catenary drive unit

- Heavy-duty design.
- SEW S37 worm gear unit.
- Standard speeds.
- Blind adapter plates available for non-standard applications, see *Spare Parts*.

Horizontal bend drive unit

- SEW S37 worm gear unit.
- Standard speeds.

Direct drive unit for wedge conveyor

- Direct drive with slip clutch.
- SEW SA37 worm gear unit.
- Standard speeds.

End drive units, direct drive without slip clutch

- Gear unit directly mounted on gear shaft.
- Type C (compact) uses SEW WA10 gear unit.
- Type M (medium) uses SEW WA20 gear unit.
- Type H (heavy) uses SEW SA37 gear unit.
- Optimized capability – cost-effective.
- Standard speeds.

Synchronous drive unit

- Synchronous drive based on heavy basic unit
- X_EB 0 HLGU/HRGU.
- ABB motor.
- Sturdy shaft and bellow.
- Standard speeds.

Drive units XT

- Direct drive
- Heavy-duty design for centre drive unit.
- SEW SA37 worm gear unit for end drive unit and catenary drive unit.
- SEW SA47 worm gear unit for centre drive unit.
- Standard speeds.

Drive units EM (discontinued product line)

- Direct drive
- Bonfiglioli or SEW WA10 gear units
- Standard speeds

Drive units X45

The drive unit is an active function with the main purpose of driving the chain of a conveyor.

The X45 systems includes 24 V and 380-440 V, 50/60 Hz drive units. Drive units are available as end drive and intermediate drive units. The 24 V drive unit has a variable speed ranging from 5 m/min to 20 m/min. The 380-440 V drive unit is available in different speeds, see “X45 – Order designation” on page 15

Drive units X45 – Ordering information

The FlexLink designation system is built upon four letters followed by suffixes indicating the features of the specific component, such as speed, motor/transmission mounted on left/right-hand side or centre, etc.

1) First two letters: product group

XU

2) Third letter: product type

For drive units and idlers the third letter is an E.

3) Fourth letter: special feature

B = End drive unit
R = Intermediate drive unit
J = Idler end unit

4) Suffixes: speed, orientation, etc.

L/R = Left/right/centre mounted motor/transmission

Examples

1. Standard products (catalogue items)

Letters 1–4			*Suffix*
XU	**E**	**B**	**ML1**
1)	2)	3)	4)

Letter/suffixes	Description
XU	Conveyor system
E	End unit
B	Suspended motor
M	Medium drive
L	Left-hand version
1	Fixed Speed see “X45 – Order designation” on page 15

Information about speed, mounting positions, and c/c dimensions can be found in the individual chapters.

Drive units XS – Configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A		B		D		E		G		H		I
*X*SEB	H	-	L	-	V4	-	SA37	-	50/230	-	0,18kW	-	TF

Drive unit with variable speed motor

Item no	A		B		D		E		F		G		J		K
*X*SEB	HPV	-	L	-	V6-15	-	WA20	-	MM03	-	50/380-500	-	C	-	P

Item no - Drive type

*X*SEB:	End drive
*X*SEW:	Horizontal bend drive
*X*SEB DD:	Double drive

A – 0-Unit

HP: Heavy, direct drive, slip clutch
H: Heavy, suspended motor, slip clutch
....V: Variable speed

B – Motor position

L: Left
R: Right

D – Speed

V...: Fixed speed... m/min
V... -...: Variable speed range...-... m/min

E – Gearbox

S37: SEW motor type S37
SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW
MM05: SEW Movimot type, 0,55 kW
MM07: SEW Movimot type, 0,75 kW
MM11: SEW Movimot type, 1,1 kW
(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V
50/400: 50 Hz, 400 V
60/230: 60 Hz, 230 V
60/460: 60 Hz, 460 V
60/575: 60 Hz, 575 V
50/380-500: SEW Movimot variable speed motor
60/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
(position is omitted for variable speed motors see position F)

I – Thermal protection

No: No thermal protection
TF: Thermal protection type TF
TH: Thermal protection type TH
(position is omitted for variable speed motors)

J – Hybrid cable

No: No hybrid cable
C: Hybrid cable included in SEW Movimot
(position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
P: Profibus fieldbus, maintenance switch
D: DeviceNet fieldbus, maintenance switch
(position is omitted for fixed speed motors)

Drive units XL – Configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A		B		C		D		E		G		H		I
*XL*EB	HNP	-	L	-	G	-	V4	-	SA37	-	50/230	-	0,18kW	-	TF

Drive unit with variable speed motor

Item no	A		B		D		E		F		G		J		K
*XL*EB	MNPV	-	L	-	V6-15	-	WA20	-	MM03	-	50/380-500	-	C	-	P

Item no - Drive type

*XL*EB:	End drive
*XL*EC:	Catenary drive
*XL*ER:	Intermediate drive
*XL*EW:	Horizontal bend drive
*XL*EB DD:	Double drive

A – 0-Unit

CNP: Compact, direct drive, no slip clutch
MNP: Medium, direct drive, no slip clutch
HNP: Heavy, direct drive, no slip clutch
HP: Heavy, direct drive, slip clutch
H: Heavy, suspended motor, slip clutch
....V: Variable speed

B – Motor position

L: Left
R: Right

C – End drive with guided chain

G: Guided (position is omitted for non-guided)

D – Speed

V...: Fixed speed... m/min
V... -...: Variable speed range...-... m/min

E – Gearbox

WA10: SEW motor type WA10
WA20: SEW motor type WA20
S37: SEW motor type S37
SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW
MM05: SEW Movimot type, 0,55 kW
MM07: SEW Movimot type, 0,75 kW
MM11: SEW Movimot type, 1,1 kW
(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V
50/400: 50 Hz, 400 V
60/230: 60 Hz, 230 V
60/460: 60 Hz, 460 V
60/575: 60 Hz, 575 V
50/380-500: SEW Movimot variable speed motor
60/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
(position is omitted for variable speed motors see position F)

I – Thermal protection

No: No thermal protection
TF: Thermal protection type TF
TH: Thermal protection type TH
(position is omitted for variable speed motors)

J – Hybrid cable

No: No hybrid cable
C: Hybrid cable included in SEW Movimot
(position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
P: Profibus fieldbus, maintenance switch
D: DeviceNet fieldbus, maintenance switch
(position is omitted for fixed speed motors)

Drive units X85 – Configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A		B		C		D		E		G		H		I
*XB*EB *A85*	HNP	-	L	-	G	-	V4	-	SA37	-	50/230	-	0,18kW	-	TF

Drive unit with variable speed motor

Item no	A		B		D		E		F		G		J		K
*XB*EB *A85*	MNPV	-	L	-	V6-15	-	WA20	-	MM03	-	50/380-500	-	C	-	P

Item no - Drive type

*XB*EB:	End drive
*XB*EC:	Catenary drive
*XB*ER:	Intermediate drive
*XB*EW:	Horizontal bend drive
*XB*EB DD:	Double drive

A – 0-Unit

CNP: Compact, direct drive, no slip clutch
MNP: Medium, direct drive, no slip clutch
HNP: Heavy, direct drive, no slip clutch
HP: Heavy, direct drive, slip clutch
H: Heavy, suspended motor, slip clutch
....V: Variable speed

B – Motor position

L: Left
R: Right

C – End drive with guided chain

G: Guided (position is omitted for non-guided)

D – Speed

V...: Fixed speed... m/min
V... -...: Variable speed range...-... m/min

E – Gearbox

WA10: SEW motor type WA10
WA20: SEW motor type WA20
S37: SEW motor type S37
SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW
MM05: SEW Movimot type, 0,55 kW
MM07: SEW Movimot type, 0,75 kW
MM11: SEW Movimot type, 1,1 kW
(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V
50/400: 50 Hz, 400 V
60/230: 60 Hz, 230 V
60/460: 60 Hz, 460 V
60/575: 60 Hz, 575 V
50/380-500: SEW Movimot variable speed motor
60/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
(position is omitted for variable speed motors see position F)

I – Thermal protection

No: No thermal protection
TF: Thermal protection type TF
TH: Thermal protection type TH
(position is omitted for variable speed motors)

J – Hybrid cable

No: No hybrid cable
C: Hybrid cable included in SEW Movimot
(position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
P: Profibus fieldbus, maintenance switch
D: DeviceNet fieldbus, maintenance switch
(position is omitted for fixed speed motors)

Drive units XH – Configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A		B		C		D		E		G		H		I
***XH*EB**	**HNP**	**-**	**L**	**-**	**G**	**-**	**V4**	**-**	**SA37**	**-**	**50/230**	**-**	**0,18kW**	**-**	**TF**

Drive unit with variable speed motor

Item no	A		B		D		E		F		G		J		K
***XH*EB**	**HNPV**	**-**	**L**	**-**	**V6-15**	**-**	**WA20**	**-**	**MM03**	**-**	**50/380-500**	**-**	**C**	**-**	**P**

Item no - Drive type

*XH*EB:	End drive
*XH*EC:	Catenary drive
*XH*ER:	Intermediate drive
*XH*EW:	Horizontal bend drive
*XH*EB DD:	Double drive

A – 0-Unit

HNP: Heavy, direct drive, no slip clutch
HP: Heavy, direct drive, slip clutch
H: Heavy, suspended motor, slip clutch
....V: Variable speed

B – Motor position

L: Left
R: Right

C – End drive with guided chain

G: Guided (position is omitted for non-guided)

D – Speed

V...: Fixed speed... m/min
V... -...: Variable speed range...-... m/min

E – Gearbox

WA10: SEW motor type WA10
WA20: SEW motor type WA20
S37: SEW motor type S37
SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW
MM05: SEW Movimot type, 0,55 kW
MM07: SEW Movimot type, 0,75 kW
MM11: SEW Movimot type, 1,1 kW
(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V
50/400: 50 Hz, 400 V
60/230: 60 Hz, 230 V
60/460: 60 Hz, 460 V
60/575: 60 Hz, 575 V
50/380-500: SEW Movimot variable speed motor
60/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
(position is omitted for variable speed motors see position F)

I – Thermal protection

No: No thermal protection
TF: Thermal protection type TF
TH: Thermal protection type TH
(position is omitted for variable speed motors)

J – Hybrid cable

No: No hybrid cable
C: Hybrid cable included in SEW Movimot
(position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
P: Profibus fieldbus, maintenance switch
D: DeviceNet fieldbus, maintenance switch
(position is omitted for fixed speed motors)

Drive units XK – Configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A		B		D		E		G		H		I
***XK*EB**	**H**	**-**	**L**	**-**	**V4**	**-**	**SA37**	**-**	**50/230**	**-**	**0,18kW**	**-**	**TF**

Drive unit with variable speed motor

Item no	A		B		D		E		F		G		J		K
***XK*EB**	**HPV**	**-**	**L**	**-**	**V6-15**	**-**	**WA20**	**-**	**MM03**	**-**	**50/380-500**	**-**	**C**	**-**	**P**

Item no - Drive type

*XK*EB:	End drive
*XK*EC:	Catenary drive
*XK*EW:	Horizontal bend drive
*XK*EB DD:	Double drive

A – 0-Unit

HP: Heavy, direct drive, slip clutch
H: Heavy, Xheavy suspended motor, slip clutch
....V: Variable speed

B – Motor position

L: Left
R: Right

D – Speed

V...: Fixed speed... m/min
V... -...: Variable speed range...-... m/min

E – Gearbox

WA10: SEW motor type WA10
WA20: SEW motor type WA20
S37: SEW motor type S37
SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW
MM05: SEW Movimot type, 0,55 kW
MM07: SEW Movimot type, 0,75 kW
MM11: SEW Movimot type, 1,1 kW
(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V
50/400: 50 Hz, 400 V
60/230: 60 Hz, 230 V
60/460: 60 Hz, 460 V
60/575: 60 Hz, 575 V
50/380-500: SEW Movimot variable speed motor
60/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
(position is omitted for variable speed motors see position F)

I – Thermal protection

No: No thermal protection
TF: Thermal protection type TF
TH: Thermal protection type TH
(position is omitted for variable speed motors)

J – Hybrid cable

No: No hybrid cable
C: Hybrid cable included in SEW Movimot
(position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
P: Profibus fieldbus, maintenance switch
D: DeviceNet fieldbus, maintenance switch
(position is omitted for fixed speed motors)

Drive units XB – Configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A		B		D		E		G		H		I
*XB*EB *A175*	HNP	-	L	-	V4	-	SA37	-	50/230	-	0,18kW	-	TF

Drive unit with variable speed motor

Item no	A		B		D		E		F		G		J		K
*XB*EB *A295*	HPV	-	L	-	V6-15	-	WA20	-	MM03	-	50/380-500	-	C	-	P

Item no - Drive type

*XB*EB: End drive

A – 0-Unit

HNP: Heavy, direct drive, no slip clutch
HP: Heavy, direct drive, slip clutch
....V: Variable speed

B – Motor position

L: Left
R: Right

D – Speed

V...: Fixed speed... m/min
V... -...: Variable speed range...-... m/min

E – Gearbox

WA10: SEW motor type WA10
WA20: SEW motor type WA20
S37: SEW motor type S37
SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW
MM05: SEW Movimot type, 0,55 kW
MM07: SEW Movimot type, 0,75 kW
MM11: SEW Movimot type, 1,1 kW
(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V
50/400: 50 Hz, 400 V
60/230: 60 Hz, 230 V
60/460: 60 Hz, 460 V
60/575: 60 Hz, 575 V
50/380-500: SEW Movimot variable speed motor
60/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
(position is omitted for variable speed motors see position F)

I – Thermal protection

No: No thermal protection
TF: Thermal protection type TF
TH: Thermal protection type TH
(position is omitted for variable speed motors)

J – Hybrid cable

No: No hybrid cable
C: Hybrid cable included in SEW Movimot
(position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
P: Profibus fieldbus, maintenance switch
D: DeviceNet fieldbus, maintenance switch
(position is omitted for fixed speed motors)

Drive units XT – Ordering information

The FlexLink designation system is built upon four letters followed by suffixes indicating the features of the specific component, such as speed, motor/transmission mounted on left/right-hand side or centre, etc.

1) First two letters: product group

XT (W=C-C 210/290/370 mm)

2) Third letter: product type

For drive units and idlers the third letter is an E.

3) Fourth letter: special feature

B = End drive unit,suspended motor
C = Catenary drive unit,suspended motor
J = Idler end unit
K = Idler bend unit

4) Suffixes: speed, orientation, etc.

# = Chain speed (e.g 5 = Chain speed 5 m/min)
H = Heavy-duty version
L/R/M = Left/right/centre mounted motor/transmission
N = Without slip clutch
P = Direct drive
D = Double drive unit
A = 60 Hz
C = Compact version
% = C-C
C-C = PW-30 (Product Width 240, 320, 400, 480, 640 mm)

Examples

1. Standard products (catalogue items)

Letters 1–4			*Suffix*
XT	**E**	**B**	**5 LNPD210**
1)	2)	3)	4)

Letter/suffixes	Description
XT	Conveyor system
E	End unit
B	Suspended motor
5 (#)	5 m/min (chain speed)
L	Left-hand version
N	Without slip clutch
P	Direct drive
D	Double drive unit
210 (%)	C-C

Information about speed, mounting positions, and c/c dimensions can be found in the individual chapters.

Delivery configuration

Three drive unit configuration levels can be ordered: complete units, 0-units or basic units. Other configurations can be obtained by ordering one of the three standard configurations in combination with additional separate parts, see *Spare Parts*. The table on the next page (*Delivery configurations*) shows which components are included in the various drive unit configurations.

Complete units

Complete units are fully assembled units with motor and gear, as described in the FlexLink catalogue. Note that drive units Type C, P and M are delivered unassembled.

0-units

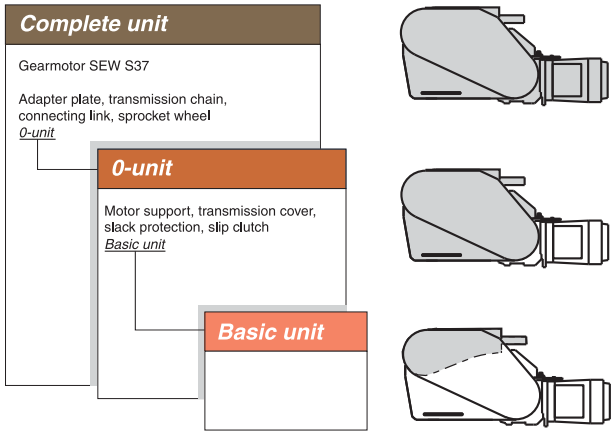
0-units are drive units without motor and worm gear, adapter plate, transmission chain, connecting link, and sprocket wheel for gear shaft. These devices must be ordered separately, see *Spare Parts*.

Note that adapter plates are available for SEW motor/worm gear unit. In addition, a blind plate is available which can be adapted to other motor/gear combinations.

0-units for direct drive are delivered complete with a torque arm, ready to be connected to a gear motor.

Basic units

Basic units are 0-units for chain transmission, without transmission components. These components must be ordered separately, see *Spare Parts*.



Delivery configuration example

SEW motors

All drive units are delivered with SEW motors/worm gears, except the synchronous drive unit which uses an ABB motor. If motors and gears are purchased separately, it is important to specify left-/right-hand version and terminal box position correctly. The motor manufacturers' codes for mounting positions and location of terminal box are explained in the adjacent illustrations. Note that there is a new standard for mounting positions, M1–M6.

Standard mounting position

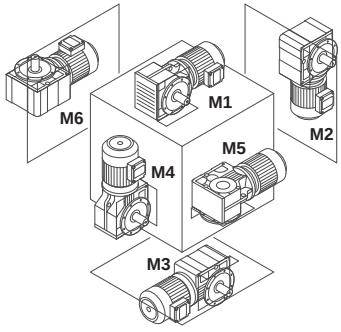
Each SEW motor/gearbox is delivered for use in a specified mounting position, for example M2. Other mounting options are usually permitted in FlexLink applications. See the following table. SEW use letters A and B to indicate the shaft side. M1A, for example, means that that the shaft extends on the left-hand side of the gearbox, as seen from the motor side, with the motor above the mounting plane. In most cases the motor is mounted below the conveyor, which means that M_A versions should be ordered for left-hand drive unit versions (suffix HL or L). Motor types SA37, WA10 and WA20 use hollow shafts which means that M_A types will fit all drives. In the speed tables, **L**eft and **R**ight refer directly to the drive unit left or right version, as indicated by (H)L or (H)R in the suffix. The opposite applies to overhead motors.

Mounting positions

Motor type	Delivered as	Mounting options	Comments
S37	M2	M1, M2, M3, (M4),* M5, M6	No breather valve, 0,4 l oil
SA37	M2	M1, M2, M3, (M4),* M5, M6	No breather valve, 0,4 l oil
S47	M2	M2, M3	No breather valve, 0,8 l oil
WA10	M3	M1–M6	No breather valve
WA20	M3	M1–M6	No breather valve
Note! All units with MOVIMOT and BS 50, except WA10/WA20 will be delivered with a breather plug to be mounted before commissioning according to the choosen mounting position.			

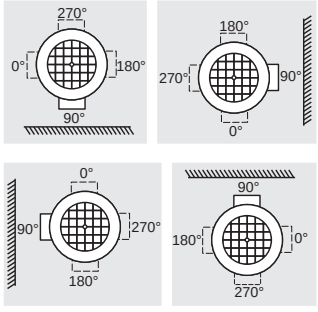
* Add 0,2 l oil in this position

SEW mounting positions M1A–M6A, 0° (definitions, see lable on motor)



Terminal box position

The position of the terminal box is defined using an angular notation (0°, 90°, 180°, 270°) in relation to the mounting plane indicated in the above illustration. Look at the motor from the fan guard end. Then, 90° is in the direction of the mounting plane. See the illustration below.



Spare part orders

Worm gear type S37 will also be delivered as spare part for older drive units. If a motor and worm gear is ordered as a spare part for an old drive unit (delivered before January 1999) it is normally necessary to order additional mounting hardware. Please contact FlexLink Systems for additional information.

Speed tables

The speed tables in each chapter present the speed options available for the FlexLink drive unit.

Standard speeds

When ordering standard speed drive units, always specify the speed as the rounded-off integer value (no decimals) as listed in the FlexLink conveyor systems catalogue. The actual speed may differ from this value. See the speed tables to find out the actual speed.

Special order speeds

In addition to the standard speed, it is possible to combine motors and gears in many other combinations. The result is a large number of non-standard speeds. Such drive units should be ordered by entering the actual speed (including decimal) of the non-standard unit in the drive unit order designation.

Delivery configurations

Configuration	Designation	Complete unit							0-unit							
		Gearmotor	Adapter plate	Transmission chain	Connecting link	Sprocket wheel	Shaft	*0-unit*	Motor support	Transmission cover	Slack protection	Chain guard	Slip clutch	Bridge	Flange	*Basic unit*
End drive unit with transmission chain	..EB (H)L/(H)R	x	x	x	x	x		x	x	x	x		x			x
End drive unit, direct drive with slip clutch	..EB (H)LP/(H)RP	x	x					x			x		x			x
End drive unit, with transmission chain, overhead motor	..EH (H)L/(H)R	x	x	x	x	x		x	x	x	x		x			x
End drive unit, with transmission chain, guided	..EB HLG/HRG	x	x	x	x	x		x	x	x	x		x			x
Double drive unit with transmission chain	..EB (H)LD/(H)RD	x	x	x	x	x		x	x	x	x		x			x
Intermediate drive unit with transmission chain	..ER HL/HR	x	x	x	x	x		x	x	x	x		x			x
Catenary drive unit with transmission chain	..EC HL/HR	x	x	x	x	x		x	x	x		x	x	x		x
Horizontal bend drive unit with transmission chain	..EW (H)	x		x	x	x		x	x	x			x			x
End drive unit, direct drive without slip clutch (XB)	..EB LP/RP	x						x			x					x
End drive unit, direct drive with slip clutch (XB)	..EB LPB/RPB	x	x				x	x			x		x		x	x
End drive unit, direct drive without slip clutch (XT)	..EB LNPD/RNPD	x						x			x					
End drive unit, direct drive with slip clutch (XT)	..EB LPD/RPD	x	x				x	x			x		x		x	
Centre drive unit, direct drive without slip clutch (XT)	..EB (H)MNPD	x						x			x					
Catenary drive unit, direct drive with slip clutch (XT)	..EC LPD/RPD	x	x				x	x	x			x	x		x	
Catenary drive unit, direct drive without slip clutch (XT)	..EC LNPD/RNPD	x						x	x			x				
End drive unit, direct drive for wedge conveyor	..EB HLGP/HRGP	x	x				x	x					x		x	x
Synchronous drive unt for wedge conveyor	..ED H	Motor, 2 basic units, 2 cardan shafts, 2 protective bellows, synchronous unit, spacers, wedges, strips.														

Configuration Configuration	Designation	Complete unit					
				0-unit			
		Gearmotor	0-unit	Torque arm	Slack protection	Wedge	*Basic unit*
		Complete unit					
End drive unit, direct drive without slip clutch (Type C, M, H)	..EB CNLP/CNRP ..EB MNLP/MNRP ..EB HNLP/HNRP	x	x	x	x	x	x

X45 – Order designation

Complete unit

Drive unit	Drive unit designation	Speed	Suffixes
End drive unit	XUEB	See table below	L, R or ML_/MR_
Intermediate drive unit	XUER	See table below	L, R or M_

0-unit, Basic unit

Drive unit	0-unit	Basic unit
End drive unit, 380 V - 440 V	XUEB ML0/MR0	XUEB 0 U
Intermediate drive unit, 380 V - 440 V	XUER M0	XUER 0 U

Ordering information Drive units

Type	Designation	Chain pull		Speed in meters per minute 50/60 Hz				24 V	Motor 24 V Manufacturer FlexLink	Motor/gearbox 380 - 440 V 50/60 Hz 40 W SPG	Motor/gearbox 115 V 60 Hz, single phase 40 W (U.S market) SPG	Motor/gearbox 230 V 60 Hz, 3 phase 40 W (U.S market) SPG
		100 N	200 N	4,2/5	8,5/10	13,5/16	17/20	5-20				
24 V End drive unit, motor on left side	XUEB L	X						X	5113190			
24 V End drive unit, motor on right side	XUEB R	X						X	5113190			
24 V Intermediate drive unit, motor on left side	XUER L	X						X	5113190			
24 V Intermediate drive unit, motor on right side	XUER R	X						X	5113190			
380- 440 V End drive unit, motor on left side	XUEB ML1		X	X					--	5113191/5113192	5113533/5113192	5113534/5113192
	XUEB ML2		X		X				--	5113191/5113193	5113533/5113193	5113534/5113193
	XUEB ML3		X			X			--	5113191/5113194	5113533/5113194	5113534/5113194
	XUEB ML4		X				X		--	5113191/5113195	5113533/5113195	5113534/5113195
380- 440 V End drive unit, motor on right side	XUEB MR1		X	X					--	5113191/5113192	5113533/5113192	5113534/5113192
	XUEB MR2		X		X				--	5113191/5113193	5113533/5113193	5113534/5113193
	XUEB MR3		X			X			--	5113191/5113194	5113533/5113194	5113534/5113194
	XUEB MR4		X				X		--	5113191/5113195	5113533/5113195	5113534/5113195
380- 440 V Intermediate drive unit, motor on left or right side	XUER M1	X		X					--	5113191/5113192	5113533/5113192	5113534/5113192
	XUER M2	X			X				--	5113191/5113193	5113533/5113193	5113534/5113193
	XUER M3	X				X			--	5113191/5113194	5113533/5113194	5113534/5113194
	XUER M4	X					X		--	5113191/5113195	5113533/5113195	5113534/5113195

Motor		
5113190	--	Manufacturer FlexLink
5113191	S9I40GSH-TCE	SPG
5113533	S9I40GEH-TUL	SPG
5113534	S9I40GTH-TCE	SPG
Gearbox		
5113192	S9KB40BH, 40W, 37rpm	SPG
5113193	S9KB20BH, 40W, 75rpm	SPG
5113194	S9KB12,5BH, 40W, 120rpm	SPG
5113195	S9KB10BH, 40W, 150rpm	SPG

XS – Order designation

Complete unit

Drive unit	Drive unit designation	Speed See next page	Suffixes*	Motor type
End drive unit	XSEB	See speed table	HL or HR	S37
End drive unit, direct drive	XSEB	See speed table	HLP or HRP	SA37
End drive unit, overhead motor	XSEH	See speed table	HL or HR	S37
Double drive unit c/c 55 mm	XSEB	See speed table	HLD or HRD + c/c-spacing	S37
Double drive unit c/c 90–350 mm	XSEB	See speed table	HLD or HRD + c/c-spacing	S37
Horizontal bend drive unit	XSEW 180	See speed table	H	S37

* For 60 Hz version, add an “A” to the designation (example: XSEB 5 HLA). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit**	Basic unit
End drive unit	XSEB 0 HL/HR	XSEB 0 HLU/HRU
End drive unit, direct drive	XSEB 0 HLP/HRP	XSEB 0 HLU/HRU
End drive unit, overhead motor	XSEH 0 HL/HR	XSEB 0 HLU/HRU
Double drive unit c/c 55 mm	XSEB 0 HLD55/HRD55	--
Double drive unit c/c 90–350 mm	XSEB 0 HLD–/HRD–*	--
Horizontal bend drive unit	XSEW 180/0 H	XSEW 180/0 HU

* The dash (–) indicates a customer specified c/c distance in the range 90 mm to 350 mm.

** For 60 Hz versions of 0-units with transmission chain, (ANSI) add an “A” to the designation (example: XSEB 0 HLA).

XS speed tables 50 Hz

XSEB H_ / H_D–
XSEH H_ (overhead motor: exchange **L**eft/**R**ight)

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	5,1	500	21	15	5045313	5045314
10	10,1	480	23	27	5045315	5045316
15	15,0	450	25	37	5045317	5045318
20	20,5	420	21	60	5045319	5045320
25	24,4	390	25	60	5045319	5045320
30	31,5	360	19	102	5045321	5045322
40	41,4	300	25	102	5045321	5045322
50	50,8	240	25	125	5045323	5045324
60	59,0	180	21	173	5047052	5047053

XSEB H_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,5	500	11	5045429
10	11,0	480	27	5045432
15	15,0	450	37	5045433
20	19,1	420	47	5045433
25	24,4	390	60	5045436
30	28,9	360	71	5045437
40	41,5	300	102	5045439
50	50,8	240	125	5045440
60	62,2	180	153	5045441

XSEW H

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	5,2	200	19	7,3	5045686	5046689
10	10,7	200	19	15	5045687	5046690
15	14,1	200	25	15	5045687	5046690
20	19,3	200	19	27	5045688	5046691
25	25,4	200	25	27	5045688	5046691
30	29,2	200	21	37	5047054	5046692

XS speed tables 60 Hz

XSEB H_A / H_AD–
XSEH H_A (overhead motor: exchange **L**eft/**R**ight)

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,2	496	19	20	5044953	5044954
10	9,5	480	15	39	5044955	5044956
12	12,0	468	19	39	5044955	5044956
16	15,9	444	25	39	5044955	5044956
19	18,5	426	17	67	5045201	5045202
21	20,7	414	19	67	5045201	5045202
25	25,1	390	23	67	5045201	5045202
27	27,2	378	25	67	5045201	5045202
33	33,2	342	15	136	5044957	5044958
38	37,6	312	17	136	5044957	5044958
46	46,4	264	21	136	5044957	5044958
55	55,3	210	25	136	5044957	5044958
59	58,9	186	17	213	5044959	5044960

XSEB H_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	500	16	5045615
10	9,8	480	24	5045616
16	15,8	444	39	5045617
20	19,5	420	48	5045618
31	30,9	354	76	5045619
36	36,2	324	89	5045620
45	44,3	270	109	5045621
64	63,4	150	156	5045622

XSEW HA

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	5,8	200	21	7,6	5045689	5046693
11	11,3	200	15	20	5045690	5046695
14	14,3	200	19	20	5045690	5046695
16	15,8	200	21	20	5045690	5046695
19	18,8	200	25	20	5045690	5046695
22	22,0	200	15	39	5045691	5046696
25	24,9	200	17	39	5045691	5046696
30	30,8	200	21	39	5045691	5046696

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

XL – Order designation

Complete unit

Drive unit	Drive unit designation	Speed See next page	Suffixes*	Motor type
End drive unit	XLEB	See speed table	HL or HR	S37
End drive unit, type J	XLEB	See speed table	HLJ or HRJ	S37
End drive unit, direct drive	XLEB	See speed table	HLP or HRP	SA37
End drive unit, direct drive without slip clutch, Type C	XLEB	See speed table	CNLP or CNRP	WA10
End drive unit, direct drive without slip clutch, Type M	XLEB	See speed table	MNLP or MNRP	WA20
End drive unit, direct drive without slip clutch, Type H	XLEB	See speed table	HNLP or HNRP	SA37
End drive unit, overhead motor	XLEH	See speed table	HL or HR	S37
End drive unit, guided	XLEB	See speed table	HLG or HRG	S37
Double drive unit c/c 66 mm	XLEB	See speed table	HLD or HRD + c/c-spacing	S37
Double drive unit c/c 110–350 mm	XLEB	See speed table	HLD or HRD + c/c-spacing	S37
Intermediate drive unit	XLER	See speed table	HL or HR	S37
Catenary drive unit	XLEC	See speed table	HL or HR	S37
Horizontal bend drive unit	XLEW 180	See speed table	H	S37
Direct drive unit for wedge conveyor	XLEB	See speed table	HLGP or HRGP	SA37
Synchronous drive unit	XLED	See speed table	H	ABB

*For 60 Hz version, add an “A” to the designation (example: XLEB 5 HLA). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit**	Basic unit
End drive unit	XLEB 0 HL/HR	XLEB 0 HLU/HRU
End drive unit, type J	XLEB 0 HLJ/HRJ	XLEB 0 HLU/HRU
End drive unit, direct drive	XLEB 0 HLP/HRP	XLEB 0 HLU/HRU
End drive unit, direct drive without slip clutch, Type C/M/H	XLEB 0 CNLP/CNRP XLEB 0 MNLP/MNRP XLEB 0 HNLP/HNRP	XLEB 0 CNLPU/CNRPU XLEB 0 MNLPU/MNRPU XLEB 0 HNLPU/HNRPU
End drive unit, overhead motor	XLEH 0 HL/HR	XLEB 0 HLU/HRU
End drive unit, guided	XLEB 0 HLG/HRG	XLEB 0 HLGU/HRGU
Double drive unit c/c 66 mm	XLEB 0 HLD66/HRD66	
Double drive unit c/c 110–350 mm	XLEB 0 HLD–/HRD–*	
Intermediate drive unit	XLER 0 HL/HR	XLER 0 HLU/HRU
Catenary drive unit	XLEC 0 HL/HR	XLEB 0 HLU/HRU
Horizontal bend drive unit	XLEW 180/0 H	XLEW 180/0 HU
Direct drive unit for wedge conveyor	XLEB 0 HLGP/HRGP	XLEB 0 HLGU/HRGU

* The dash (–) indicates a customer specified c/c distance in the range 110 mm to 350 mm.

** For 60 Hz versions of 0-units with transmission chain, (ANSI) add an “A” to the designation (example: XLEB 0 HLA).

XL speed tables 50 Hz

XLEB H_ / H_J / H_G / H_D–
XLEH H_ (overhead motor: exchange **L**eft/**R**ight)
XLEC H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	5,1	500	21	15	5045313	5045314
10	10,1	480	23	27	5045315	5045316
15	15,0	450	25	37	5045317	5045318
20	20,5	420	21	60	5045319	5045320
25	24,4	390	25	60	5045319	5045320
Below: Not for catenary drive unit						
30	31,5	360	19	102	5045321	5045322
40	41,4	300	25	102	5045321	5045322
50	50,8	240	25	125	5045323	5045324
60	59,0	180	21	173	5047052	5047053

XLEB CN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,8	300	17	5057909
10	9,2	300	33	5057839
15	14,8	220	53	5057855
20	18,7	185	67	5057856
25	25,4	140	91	5057857
35	35,5	121	127	5057858

XLEB MN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	5,0	500	18	5057860
10	9,8	400	35	5057861
15	14,0	325	50	5057862
20	19,8	260	71	5057863
30	26,8	190	96	5057864
40	37,7	150	135	5057865
50	46,9	120	168	5057866
60	58,7	100	210	5057867

XLEB HN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,5	500	11	5045429
10	11,0	480	27	5045432
15	15,0	450	37	5045433
20	19,1	420	47	5045434
30	28,9	360	71	5045437
40	41,5	300	102	5045439
50	50,8	240	125	5045440
60	62,2	180	153	5045441

Note. Applies to version with SEW SA37 gearmotor.

XLER H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	4,2	200	25	15	5045313	5045314
10	10,3	200	25	37	5045317	5045318
15	15,4	200	23	60	5045319	5045320
20	21,7	200	19	102	5045321	5045322
25	26,2	200	23	102	5045321	5045322

XLEB H_P / H_GP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,5	500	11	5045429
10	11,0	480	27	5045432
15	15,0	450	37	5045433
20	19,1	420	47	5045434
25	24,4	390	60	5045436
30	28,9	360	71	5045437
40	41,5	300	102	5045439
50	50,3	240	125	5045440
60	62,2	180	153	5045441

XLEW H

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 35
5	5,2	200	19	7,3	5045686
10	10,7	200	19	15	5045687
15	14,1	200	25	15	5045687
20	19,3	200	19	27	5045688
25	25,4	200	25	27	5045688
30	29,2	200	21	37	5047054

XLED H

Speed (m/min)		**Chain pull**	Z_1[3]	Z_2[4]	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)			rpm	See page 35
5	5,7	500	18	22	14	A
10	11,2	450	18	22	27,5	B
15	14,7	425	18	22	36	C
18	17,9	400	20	20	44	C
22	22,3	350	18	22	55	D
27	27,3	300	20	20	67	D
35	33,5	250	18	22	82	E
45	44,7	150	18	22	110	F
55	54,6	75	20	20	134	F

*rpm cardan shaft

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft
3 Number of sprocket wheel teeth on sprocket wheel, motor
4 Number of sprocket wheel teeth on sprocket wheel, gearbox

XLEB H_A / XLEB H_AJ / H_AG / H_AD–
XLEH H_A (overhead motor: exchange Left/Right)
XLEC H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,2	496	19	20	5044953	5044954
10	9,5	480	15	39	5044955	5044956
12	12,0	468	19	39	5044955	5044956
16	15,9	444	25	39	5044955	5044956
19	18,5	426	17	67	5045201	5045202
21	20,7	414	19	67	5045201	5045202
25	25,1	390	23	67	5045201	5045202
Below: Not for catenary drive unit						
27	27,2	378	25	67	5045201	5045202
33	33,2	342	15	136	5044957	5044958
38	37,6	312	17	136	5044957	5044958
46	46,4	264	21	136	5044957	5044958
55	55,3	210	25	136	5044957	5044958
59	58,9	186	17	213	5044959	5044960

XLEB CN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	5,8	300	20,4	5057964
10	9,2	300	32,4	5057965
16	17,0	250	60	5058026
20	23,8	200	84	5058027
31	32,3	150	114	5058028
43	45,3	100	160	5058029
54	56,6	50	200	5058030

XLEB MN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,4	500	22	5058031
10	10,1	400	35	5058032
16	14,8	312	52	5058033
20	19,6	260	69	5058035
31	33,2	186	117	5058037
45	46,4	135	164	5058038
64	57,8	104	205	5058039

XLEB HN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	500	16	5045615
10	9,8	480	24	5045616
16	15,8	444	39	5045617
20	19,5	420	48	5045618
31	30,9	354	76	5045619
45	44,3	270	109	5045621
64	63,4	150	156	5045622

Note. Applies to version with SEW SA37 gearmotor.

XLER H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,2	200	15	39	5044955	5044956
9	9,2	200	21	39	5044955	5044956
13	12,7	200	17	67	5045201	5045202
16	15,7	200	21	67	5045201	5045202
19	18,7	200	25	67	5045201	5045202
26	25,8	200	17	136	5044957	5045958

XLEB H_AP / H_AGP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	500	16	5045615
10	9,8	480	24	5045616
16	15,8	444	39	5045617
20	19,5	420	48	5045618
31	30,9	354	76	5045619
36	36,2	324	89	5045620
45	44,3	270	109	5045621
64	63,4	150	156	5045622

XLEW HA

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 39
6	6,1	200	21	7,6	5045689
10	11,8	200	15	20	5045690
15	14,6	200	19	20	5045690
20	21,5	200	21	20	5045690
30	28,4	200	25	20	5045691
35	35,8	200	15	39	5045691

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

X85 – Order designation

Complete unit

Drive unit	Drive unit designation	Speed See next page	Suffixes*	Motor type
End drive unit	XBEB A85	See speed table	HL or HR	S37
End drive unit, direct drive	XBEB A85	See speed table	HLP or HRP	SA37
End drive unit, direct drive without slip clutch, Type C	XBEB A85	See speed table	CNLP or CNRP	WA10
End drive unit, direct drive without slip clutch, Type M	XBEB A85	See speed table	MNLP or MNRP	WA20
End drive unit, direct drive without slip clutch, Type H	XBEB A85	See speed table	HNLP or HNRP	SA37
Double drive unit c/c 86 mm	XBEB DD A85	See speed table	HLPD or HRPD + c/c-spacing	SA37
Double drive unit c/c 130–350 mm	XBEB DD A85	See speed table	HLPD or HRPD + c/c-spacing	SA37
Intermediate drive unit	XBER A85	See speed table	HL or HR	S37
Horizontal bend drive unit	XBEW 180A85	See speed table	HP or HNP	SA37
Direct drive unit for wedge conveyor	XBEB A85	See speed table	HLGP or HRGP	SA37

* For 60 Hz version, add an “A” to the designation (example: XBEB A85 HLA). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit**	Basic unit
End drive unit	XBEB 0A85HL/HR	XBEB 0 A85HLU/HRU
End drive unit, direct drive	XBEB 0A85HLP/HRP	XBEB 0A85 HLU/HRU
End drive unit, direct drive without slip clutch, Type C/M/H	XBEB 0A85CNLP/CNRP XBEB 0A85MNLP/MNRP XBEB 0A85HNLP/HNRP	XBEB 0A85CNLPU/CNRPU XBEB 0A85MNLPU/MNRPU XBEB 0A85HNLPU/HNRPU
Double drive unit c/c 86 mm, slip clutch	XBEB 0A85HLPD86/HRPD86	
Double drive unit c/c 86 mm, no slip clutch	XBEB 0A85HLNPD86/HRPD86	
Double drive unit c/c 130–350 mm, slip clutch	XBEB 0A85HLPD–/HRPD–*	
Double drive unit c/c 130–350 mm, no slip clutch	XBEB 0A85HNLPD–/HNRPD–*	
Intermediate drive unit	XBER 0A85MNLP/MNRP	XBER 0 HLU/HRU
Horizontal bend drive unit	XBEW 18/0A85HP	XBEW 18/0HU
Direct drive unit for wedge conveyor	XBEB 0A85HLGP/HRGP	XBEB 0A85 HLGU/HRGU

* The dash (–) indicates a customer specified c/c distance in the range 130 mm to 350 mm.

** For 60 Hz versions of 0-units with transmission chain, (ANSI) add an “A” to the designation (example: XBEB 0A85 HLA).

X85 speed tables 50 Hz

XBEB A85H_ / H_G

XBEB DD A85/ H_D–

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	5,1	1250	21	15	5045313	5045314
10	10,0	1165	23	27	5045315	5045316
15	14,9	1081	25	37	5045317	5045318
20	20,3	996	21	60	5045319	5045320
25	24,1	912	25	60	5045319	5045320
30	31,2	827	19	102	5045321	5045322
40	38,2	658	19	125	5045323	5045324
50	50,3	489	25	125	5045323	5045324
60	58,4	320	21	173	5047052	5047053

XBER A85H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	4,5	200	25	15	5045313	5045314
10	10,3	200	23	37	5045317	5045318
15	15,2	200	21	60	5045319	5045320
20	18,0	200	25	60	5045319	5045320
25	25,8	200	21	102	5045321	5045322

XBEB A85H_P / H_GP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,4	1250	11	5045429
10	10,9	1165	27	5045432
15	14,9	1081	37	5045433
20	18,9	996	47	5045434
25	24,1	912	60	5045436
30	28,5	827	71	5045437
40	41,0	658	102	5045439
50	50,3	489	125	5045440
60	61,5	320	153	5045441

XBEB A85CN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	5,1	300	17	5057909
10	10,0	300	33	5057839
15	16,0	220	53	5057855
20	20,0	185	67	5057856
30	27,4	140	91	5057857
40	38,3	110	127	5057858

XBEB A85MN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	5,0	800	18	5057879
10	9,5	590	34	5057880
15	13,4	465	48	5057881
20	19,0	380	68	5057882
30	25,7	270	92	5057883
40	36,0	210	129	5057884
50	45,0	180	161	5057885
60	56,2	150	201	5057886

XBEB A85HN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,4	1250	11	5045429
10	10,9	1165	27	5045432
15	14,9	1081	37	5045433
20	18,9	996	47	5045434
30	28,5	827	71	5045437
40	41,0	658	102	5045439
50	50,3	489	125	5045440
60	61,5	320	153	5045441

Note. Applies to version with SEW SA37 gearmotor.

XBEW 180A85H_P

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 35
5	5,6	200	19	7,3	5045686
10	11,4	200	19	15	5045687
15	15,1	200	25	15	5045687
20	20,6	200	19	27	5045688
25	25,0	200	23	27	5045688
30	28,3	200	19	37	5047054

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft
3 Number of sprocket wheel teeth on sprocket wheel, motor
4 Number of sprocket wheel teeth on sprocket wheel, gearbox

X85 speed tables 60 Hz

XBEB A85H_A / H_AG
XBEB DD A85/ H_AD–

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,1	1233	19	20	5044953	5044954
10	9,4	1165	15	39	5044955	5044956
12	11,9	1132	19	39	5044955	5044956
16	15,7	1064	25	39	5044955	5044956
18	18,3	1030	17	67	5045201	5045202
20	20,5	996	19	67	5045201	5045202
25	24,8	912	23	67	5045201	5045202
27	26,9	878	25	67	5045201	5045202
33	32,8	777	15	136	5044957	5044958
37	37,2	709	17	136	5044957	5044958
46	45,9	557	21	136	5044957	5044958
55	54,7	405	25	136	5044957	5044958
58	58,2	354	17	213	5044959	5044960

XBEB A85CN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,3	300	20,4	5057964
10	10,0	300	32,4	5057965
16	15,4	240	50	5058023
19	20,7	200	67	5058024
31	30,5	150	99	5058025
44	49,3	75	160	5058029

XBEB A85MN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,9	800	22	5058031
10	10,9	590	34	5058032
16	16,0	448	50	5058033
20	21,1	380	66	5058035
30	31,1	270	98	5058036
35	35,9	240	113	5058037
47	50,0	189	158	5058038
60	62,4	150	198	5058039

XBEB A85HN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	1233	16	5045615
10	9,8	1165	24	5045616
16	15,9	1064	39	5045617
19	19,6	1013	48	5045618
31	31,0	810	76	5045619
44	44,4	591	109	5045621
63	63,5	320	156	5045622

Note.
Applies to version with SEW SA37 gearmotor.

XBER A85H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,0	200	25	20	5044953	5044954
9	8,9	200	19	39	5044955	5044956
12	12,1	200	15	67	5045201	5045202
15	15,4	200	19	67	5045201	5045202
19	18,6	200	23	67	5045201	5045202
25	24,6	200	15	136	5044957	5044958

XBEB A85H_AP / H_AGP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	1250	16	5045615
10	9,8	1150	24	5045616
16	15,9	1050	39	5045617
19	19,6	800	48	5045618
31	31,0	600	76	5045619
36	36,2	400	89	5045620
44	44,4	250	109	5045621
63	63,5	75	156	5045622

XBEW 180A85HA_P

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 39
5	5,2	200	17	7,6	5045689
8	7,4	200	25	7,6	5045689
12	12,1	200	15	20	5045690
15	15,3	200	19	20	5045690
18	18,5	200	23	20	5045690
24	23,5	200	15	39	5045691
30	29,8	200	19	39	5045691

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

XM – Order designation

Complete unit

Drive unit	Drive unit designation	Speed See next page	Suffixes*	Motor type
End drive unit	XMEB	See speed table	HL or HR	S37
End drive unit, type J	XMEB	See speed table	HLJ or HRJ	S37
End drive unit, direct drive	XMEB	See speed table	HLP or HRP	SA37
End drive unit, direct drive without slip clutch, Type C	XMEB	See speed table	CNLP or CNRP	WA10
End drive unit, direct drive without slip clutch, Type M	XMEB	See speed table	MNLP or MNRP	WA20
End drive unit, direct drive without slip clutch, Type H	XMEB	See speed table	HNLP or HNRP	SA37
End drive unit, overhead motor	XMEH	See speed table	HL or HR	S37
End drive unit, guided	XMEB	See speed table	HLG or HRG	S37
Double drive unit c/c 86 mm	XMEB	See speed table	HLD or HRD + c/c-spacing	S37
Double drive unit c/c 130–350 mm	XMEB	See speed table	HLD or HRD + c/c-spacing	S37
Intermediate drive unit	XMER	See speed table	HL or HR	S37
Catenary drive unit	XMEC	See speed table	HL or HR	S37
Horizontal bend drive unit	XMEW 180	See speed table	H	S37
Direct drive unit for wedge conveyor	XMEB	See speed table	HLGP or HRGP	SA37
Synchronous drive unit	XMED	See speed table	H	ABB

* For 60 Hz version, add an “A” to the designation (example: XMEB 5 HLA). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit**	Basic unit
End drive unit	XMEB 0 HL/HR	XMEB 0 HLU/HRU
End drive unit, type J	XMEB 0 HLJ/HRJ	XMEB 0 HLU/HRU
End drive unit, direct drive	XMEB 0 HLP/HRP	XMEB 0 HLU/HRU
End drive unit, direct drive without slip clutch, Type C/M/H	XMEB 0 CNLP/CNRP XMEB 0 MNLP/MNRP XMEB 0 HNLP/HNRP	XMEB 0 CNLPU/CNRPU XMEB 0 MNLPU/MNRPU XMEB 0 HNLPU/HNRPU
End drive unit, overhead motor	XMEH 0 HL/HR	XMEB 0 HLU/HRU
End drive unit, guided	XMEB 0 HLG/HRG	XMEB 0 HLGU/HRGU
Double drive unit c/c 86 mm	XMEB 0 HLD86/HRD86	
Double drive unit c/c 130–350 mm	XMEB 0 HLD–/HRD–*	
Intermediate drive unit	XMER 0 HL/HR	XMER 0 HLU/HRU
Catenary drive unit	XMEC 0 HL/HR	XMEB 0 HLU/HRU
Horizontal bend drive unit	XMEW 180/0 H	XMEW 180/0 HU
Direct drive unit for wedge conveyor	XMEB 0 HLGP/HRGP	XMEB 0 HLGU/HRGU

* The dash (–) indicates a customer specified c/c distance in the range 130 mm to 350 mm.

** For 60 Hz versions of 0-units with transmission chain, (ANSI) add an “A” to the designation (example: XMEB 0 HLA).

XM speed tables 50 Hz

XMEB H_ / H_J / H_G / H_D–
XMEH H_ (overhead motor: exchange **L**eft/**R**ight)
XMEC H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	5,1	1250	21	15	5045313	5045314
10	10,0	1165	23	27	5045315	5045316
15	14,9	1081	25	37	5045317	5045318
20	20,3	996	21	60	5045319	5045320
25	24,1	912	25	60	5045319	5045320
Below: Not for catenary drive unit						
30	31,2	827	19	102	5045321	5045322
40	38,2	658	19	125	5045323	5045324
50	50,3	489	25	125	5045323	5045324
60	58,4	320	21	173	5047052	5047053

XMER H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	4,5	200	25	15	5045313	5045314
10	10,3	200	23	37	5045317	5045318
15	15,2	200	21	60	5045319	5045320
20	18,0	200	25	60	5045319	5045320
25	25,8	200	21	102	5045321	5045322

XMEB H_P / H_GP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,4	1250	11	5045429
10	10,9	1165	27	5045432
15	14,9	1081	37	5045433
20	18,9	996	47	5045434
25	24,1	912	60	5045436
30	28,5	827	71	5045437
40	41,0	658	102	5045439
50	50,3	489	125	5045440
60	61,5	320	153	5045441

XMEB CN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	5,1	300	17	5057909
10	10,0	300	33	5057839
15	16,0	220	53	5057855
20	20,0	185	67	5057856
30	27,4	140	91	5057857
40	38,3	110	127	5057858

XMEB MN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	5,0	800	18	5057879
10	9,5	590	34	5057880
15	13,4	465	48	5057881
20	19,0	380	68	5057882
30	25,7	270	92	5057883
40	36,0	210	129	5057884
50	45,0	180	161	5057885
60	56,2	150	201	5057886

XMEB HN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,4	1250	11	5045429
10	10,9	1165	27	5045432
15	14,9	1081	37	5045433
20	18,9	996	47	5045434
30	28,5	827	71	5045437
40	41,0	658	102	5045439
50	50,3	489	125	5045440
60	61,5	320	153	5045441

Note. Applies to version with SEW SA37 gearmotor.

XMEW H

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 35
5	5,6	200	19	7,3	5045686
10	11,4	200	19	15	5045687
15	15,1	200	25	15	5045687
20	20,6	200	19	27	5045688
25	25,0	200	23	27	5045688
30	28,3	200	19	37	5047054

XMED H

Speed (m/min)		**Chain pull**	Z_1[3]	Z_2[4]	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)			rpm	See page 35
5	5,6	1250	18	22	14	A
10	11,0	1150	18	22	27,5	B
15	14,5	1050	18	22	36	C
18	17,7	1000	20	20	44	C
22	22,1	900	18	22	55	D
27	27,0	800	20	20	67	D
35	33,1	650	18	22	82	E
45	44,2	400	18	22	110	F
55	54,0	200	20	20	134	F

*rpm cardan shaft

Note

At load conditions below maximum, the actual speed can be 10–15% higher.

1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft
3 Number of sprocket wheel teeth on sprocket wheel, motor
4 Number of sprocket wheel teeth on sprocket wheel, gearbox

XM speed tables 60 Hz

XMEB H_A / H_AJ / H_AG / H_AD–
XMEH H_A (overhead motor: exchange **L**eft/**R**ight)
XMEC H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,1	1233	19	20	5044953	5044954
10	9,4	1165	15	39	5044955	5044956
12	11,9	1132	19	39	5044955	5044956
16	15,7	1064	25	39	5044955	5044956
18	18,3	1030	17	67	5045201	5045202
20	20,5	996	19	67	5045201	5045202
25	24,8	912	23	67	5045201	5045202
Below: Not for catenary drive unit						
27	26,9	878	25	67	5045201	5045202
33	32,8	777	15	136	5044957	5044958
37	37,2	709	17	136	5044957	5044958
46	45,9	557	21	136	5044957	5044958
55	54,7	405	25	136	5044957	5044958
58	58,2	354	17	213	5044959	5044960

XMEB CN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,3	300	20,4	5057964
10	10,0	300	32,4	5057965
16	15,4	240	50	5058023
19	20,7	200	67	5058024
31	30,5	150	99	5058025
44	49,3	75	160	5058029

XMEB MN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,9	800	22	5058031
10	10,9	590	34	5058032
16	16,0	448	50	5058033
20	21,1	380	66	5058035
30	31,1	270	98	5058036
35	35,9	240	113	5058037
47	50,0	189	158	5058038
60	62,4	150	198	5058039

XMEB HN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	1233	16	5045615
10	9,8	1165	24	5045616
16	15,9	1064	39	5045617
19	19,6	1013	48	5045618
31	31,0	810	76	5045619
44	44,4	591	109	5045621
63	63,5	320	156	5045622

Note.
Applies to version with SEW SA37 gearmotor.

XMER H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,0	200	25	20	5044953	5044954
9	8,9	200	19	39	5044955	5044956
12	12,1	200	15	67	5045201	5045202
15	15,4	200	19	67	5045201	5045202
19	18,6	200	23	67	5045201	5045202
25	24,6	200	15	136	5044957	5044958

XMEB H_AP / H_AGP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	1250	16	5045615
10	9,8	1150	24	5045616
16	15,9	1050	39	5045617
19	19,6	800	48	5045618
31	31,0	600	76	5045619
36	36,2	400	89	5045620
44	44,4	250	109	5045621
63	63,5	75	156	5045622

XMEW HA

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 39
5	5,2	200	17	7,6	5045689
8	7,4	200	25	7,6	5045689
12	12,1	200	15	20	5045690
15	15,3	200	19	20	5045690
18	18,5	200	23	20	5045690
24	23,5	200	15	39	5045691
30	29,8	200	19	39	5045691

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

XH – Order designation

Complete unit

Drive unit	Drive unit designation	Speed See next page	Suffixes*	Motor type
End drive unit	XHEB	See speed table	HL or HR	S37
End drive unit, type J	XHEB	See speed table	HLJ or HRJ	S37
End drive unit, direct drive	XHEB	See speed table	HLP or HRP	SA37
End drive unit, direct drive without slip clutch, Type H	XHEB	See speed table	HNLP or HNRP	SA37
End drive unit, overhead motor	XHEH	See speed table	HL or HR	S37
End drive unit, guided	XHEB	See speed table	HLG or HRG	S37
Double drive unit c/c 106 mm	XHEB	See speed table	HLD or HRD + c/c-spacing	S37
Double drive unit c/c 150–350 mm	XHEB	See speed table	HLD or HRD + c/c-spacing	S37
Intermediate drive unit	XHER	See speed table	HL or HR	S37
Catenary drive unit	XHEC	See speed table	HL or HR	S37
Horizontal bend drive unit	XHEW 180	See speed table	H	ABB

* For 60 Hz version, add an “A” to the designation (example: XHEB 5 HLA). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit**	Basic unit
End drive unit	XHEB 0 HL/HR	XHEB 0 HLU/HRU
End drive unit, type J	XHEB 0 HLJ/HRJ	XHEB 0 HLU/HRU
End drive unit, direct drive	XHEB 0 HLP/HRP	XHEB 0 HLU/HRU
End drive unit, direct drive without slip clutch, Type H	XHEB 0 HNLP/HNRP	XHEB 0 HNLPU/HNRPU
End drive unit, overhead motor	XHEH 0 HL/HR	XHEB 0 HLU/HRU
End drive unit, guided	XHEB 0 HLG/HRG	XHEB 0 HLGU/HRGU
Double drive unit c/c 106 mm	XHEB 0 HLD106/HRD106	--
Double drive unit c/c 150–350 mm	XHEB 0 HLD–/HRD–*	--
Intermediate drive unit	XHER 0 HL/HR	XHER 0 HLU/HRU
Catenary drive unit	XHEC 0 HL/HR	XHEB 0 HLU/HRU
Horizontal bend drive unit	XHEW 180/0 H	XHEW 180/0 HU

* The dash (–) indicates a customer specified c/c distance in the range 150 mm to 350 mm.

** For 60 Hz versions of 0-units with transmission chain, (ANSI) add an “A” to the designation (example: XHEB 0 HLA).

XH speed tables 50 Hz

XHEB H_ / H_J / H_G / H_D–
XHEH H_ (overhead motor: exchange **L**eft/**R**ight)
XHEC H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	4,9	1250	19	15	5045313	5045314
10	9,7	1165	21	27	5045315	5045316
15	14,5	1081	23	37	5045317	5045318
20	19,4	996	19	60	5045319	5045320
25	25,6	912	25	60	5045319	5045320
Below: Not for catenary drive unit						
30	33,0	827	19	102	5045321	5045322
40	40,0	658	23	102	5045321	5045322
50	49,0	489	23	125	5045323	5045324
60	61,9	320	21	173	5047052	5047053

XHEB HN_P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,7	1250	11	5045429
10	11,6	1165	27	5045432
15	15,9	1081	37	5045433
20	20,3	996	47	5045434
30	30,6	827	71	5045437
40	44,0	658	102	5045439
50	53,9	489	125	5045440
60	58,2	320	135	5045438

Note. Applies to version with SEW SA37 gearmotor.

XHER H_

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	4,8	200	25	15	5045313	5045314
10	9,9	200	21	37	5045317	5045318
15	14,6	200	19	60	5045319	5045320
20	19,2	200	25	60	5045319	5045320
25	24,8	200	19	102	5045321	5045322

XHEB H_P / H_GP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,7	1250	11	5045429
10	11,6	1165	27	5045432
15	15,9	1081	37	5045433
20	20,3	996	47	5045434
25	25,6	912	60	5045436
30	30,6	827	71	5045437
40	44,0	658	102	5045439
50	53,9	489	125	5045440
60	58,2	320	135	5045438

XHEW H

Speed (m/min)		**Chain pull**	Z_1[2]	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 35
5	5,7	200	19	7,3	5045686
10	11,7	200	19	15	5045687
15	15,4	200	25	15	5045687
20	21,1	200	19	27	5045688
25	25,6	200	23	27	5045688
30	27,8	200	25	27	5045688

Note
At load conditions below maximum, the actual speed can be 10–15% higher.

1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

XHEB H_A / H_AJ / H_AG / H_AD–
XHEH H_A (overhead motor: exchange **L**eft/**R**ight)
XHEC H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	5,8	1233	17	20	5044953	5044954
10	10,0	1165	15	39	5044955	5044956
13	12,6	1115	19	39	5044955	5044956
15	15,3	1081	23	39	5044955	5044956
17	17,1	1047	15	67	5045201	5045202
22	21,7	963	19	67	5045201	5045202
24	24,0	929	21	67	5045201	5045202
29	28,5	750	25	67	5045201	5045202
Below: Not for catenary drive unit						
35	34,8	743	25	136	5044957	5044958
39	39,4	675	25	136	5044957	5044958
44	44,0	591	19	136	5044957	5044958
53	53,3	438	19	136	5044957	5044958
62	61,7	320	17	213	5044959	5044960

XHEB HN_AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
7	6,9	1216	16	5045615
10	10,3	1165	24	5045616
16	16,8	1064	39	5045617
20	20,7	996	48	5045618
32	32,7	793	76	5045619
46	47,0	557	109	5045621
66	67,2	320	156	5045622

Note. Applies to version with SEW SA37 gearmotor.

XHER H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	5,9	200	23	20	5044953	5044954
9	9,5	200	19	39	5044955	5044956
12	12,5	200	25	39	5044955	5044956
15	14,6	200	17	67	5045201	5045202
18	18,0	200	21	67	5045201	5045202
26	26,1	200	15	136	5044957	5044958

XHEB H_AP / H_AGP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
7	6,9	1216	16	5045615
10	10,3	1165	24	5045616
16	16,8	1064	39	5045617
20	20,7	996	48	5045618
32	32,7	793	76	5045619
38	38,4	692	89	5045620
46	47,0	557	109	5045621
66	67,2	320	156	5045622

XHEW HA

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 39
5	5,7	200	17	7,6	5045689
10	11,7	200	19	13	5047059
12	15,4	200	15	20	5045690
16	21,1	200	19	20	5045690
19	25,6	200	23	20	5045690
21	27,8	200	25	20	5045690
25	24,1	200	15	39	5045691
30	30,5	200	19	39	5045691

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

XK – Order designation

Complete unit

Drive unit	Drive unit designation	Speed See next page	Suffixes*	Motor type
End drive unit	XKEB	See speed table	L or R	S37
End drive unit, heavy-duty version	XKEB	See speed table	HL or HR	S47
End drive unit, direct drive	XKEB	See speed table	LP or RP	SA37
End drive unit, overhead motor	XKEH	See speed table	L or R	S37
Double drive unit c/c 106 mm	XKEB	See speed table	LD or RD + c/c-spacing	S37
Double drive unit c/c 150–350 mm	XKEB	See speed table	LD or RD + c/c-spacing	S37
Catenary drive unit	XKEC	See speed table	L or R	S37
Catenary drive unit, heavy-duty version	XKEC	See speed table	HL or HR	S37
Horizontal bend drive unit	XKEW 180	See speed table	--	S37

* For 60 Hz version, add an “A” to the designation (example: XKEB 5 HLA). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit**	Basic unit
End drive unit	XKEB 0 L/R	XKEB 0 HLU/HRU
End drive unit, heavy-duty version	XKEB 0 HL/HR	XKEB 0 HLU/HRU
End drive unit, direct drive	XKEB 0 LP/HRP	XKEB 0 LU/RU
End drive unit, overhead motor	XKEH 0 L/R	XKEB 0 LU/RU
Double drive unit c/c 106 mm	XKEB 0 LD106/RD106	--
Double drive unit c/c 150–350 mm	XKEB 0 LD–/RD–*	--
Catenary drive unit	XKEC 0 L/R	XKEC 0 LU/RU
Catenary drive unit, heavy-duty version	XKEC 0 HL/HR	XKEC 0 HLU/HRU
Horizontal bend drive unit	XKEW 180/0	XKEW 180/0 U

* The dash (–) indicates a customer specified c/c distance in the range 150 mm to 350 mm.

** For 60 Hz versions of 0-units with transmission chain, (ANSI) add an “A” to the designation (example: XKEB 0 HLA).

XK speed tables 50 Hz

XKEB _ / _D–
XKEH _ (overhead motor: exchange **L**eft/**R**ight)
XKEC _

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
5	4,8	1250	19	15	5045313	5045314
10	10,4	1250	23	27	5045315	5045316
15	15,5	1100	25	37	5045317	5045318
20	19,1	1100	19	60	5045319	5045320
25	25,1	1000	25	60	5045319	5045320
30	32,5	870	19	102	5045321	5045322
Below: Not for catenary drive unit						
40	39,8	700	19	125	5045323	5045324
50	48,2	580	23	125	5045323	5045324

XKEB H_
XKEC H_

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 35	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
3	3,2	2500	19	10	5045300	5045299
5	5,1	2500	19	16	5045301	5045302
10	11,5	2500	19	36	5045303	5045304
15	15,1	1700	25	36	5045303	5045304
20	20,8	1700	21	59	5045305	5045306
25	24,7	1400	25	59	5045305	5045306

XKEB _P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,6	1250	11	5045429
10	11,3	1250	27	5045432
15	15,5	1100	37	5045433
20	19,7	1100	47	5045434
25	25,1	1000	60	5045436
30	29,8	850	71	5045437
40	42,7	650	102	5045439
50	52,4	500	125	5045440

XKEW

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 35
5	6,7	200	19	7,3	5046689
10	8,9	200	25	7,3	5046689
15	15,4	200	21	15	5046690
20	18,3	200	25	15	5046690
25	25,0	200	19	27	5046691
30	30,3	200	23	27	5046691

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load
2 Number of sprocket wheel teeth on worm gear shaft

XK speed tables, 60 Hz

XKEB _A / _AD–
XKEH _A (overhead motor: exchange **L**eft/**R**ight)
XKEC _A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
6	6,4	1225	19	20	5044953	5044954
10	9,8	1100	15	39	5044955	5044956
12	12,4	1050	19	39	5044955	5044956
15	15,0	1000	23	39	5044955	5044956
17	16,9	975	15	67	5045201	5045202
21	21,3	900	19	67	5045201	5045202
24	23,6	850	21	67	5045201	5045202
Below: Not for catenary drive unit						
28	28,1	750	25	67	5045201	5045202
34	34,2	625	15	136	5044957	5044958
39	38,8	525	17	136	5044957	5044958
43	43,3	425	19	136	5044957	5044958
52	52,5	250	23	136	5044957	5044958

XKEB H_A
XKEC H_A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor** See page 39	
Nominal	Actual[1]	N (max)		rpm	**L**eft	**R**ight
3	3,4	2500	17	12	5045419	5045420
6	5,7	2400	17	20	5045281	5045282
8	8,4	2000	25	20	5045281	5045282
12	12,1	2200	19	38	5045283	5045284
16	15,9	1900	25	38	5045283	5045284
20	19,7	1750	17	69	5045285	5045286
22	22,0	1600	19	69	5045285	5045286
27	26,6	1300	23	69	5045285	5045286

XKEB _AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,8	1250	16	5045615
10	10,2	1150	24	5045616
16	16,6	1100	39	5045617
20	20,4	1100	48	5045618
31	32,3	1000	76	5045619
36	37,8	850	89	5045620
45	46,3	650	109	5045621
64	66,3	500	156	5045622

XKEW A

Speed (m/min)		**Chain pull**	Z_1^2	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)		rpm	See page 39
6	5,6	200	15	7,6	5046693
9	9,3	200	25	7,6	5046693
15	14,6	200	15	20	5046695
20	20,5	200	21	20	5046695
24	24,4	200	25	39	5046696
29	28,5	200	15	39	5046696

XB – Order designation

Complete unit

Drive unit	Drive unit designation	Speed	Suffixes*	Motor type
End drive unit, direct drive with slip clutch, 175 mm	XBEB	See speed table	A175 LPB or A175 RPB	SA37
End drive unit, direct drive with slip clutch, 295 mm	XBEB	See speed table	A 295 LPB or A 295 RPB	SA37
End drive unit, direct drive without slip clutch, 175 mm	XBEB	See speed table	A175 LP or A175 RP	SA37
End drive unit, direct drive without slip clutch, 295 mm	XBEB	See speed table	A 295 LP or A 295 RP	SA37

* For 60 Hz version, add an “A” to the designation (example: XBEB 5A 175 LAPB). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit	Basic unit
End drive unit, direct drive with slip clutch, 175 mm	XBEB 0A175 LPB/RPB	XBEB 0A175 LPBU/RPBU
End drive unit, direct drive with slip clutch, 295 mm	XBEB 0A295 LPB/RPB	XBEB 0A295 LPBU/RPBU
End drive unit, direct drive without slip clutch, 175 mm	XBEB 0A175 LP/RP	XBEB 0A175 LPU/RPU
End drive unit, direct drive without slip clutch, 295 mm	XBEB 0A295 LP/RP	XBEB 0A295 LPU/RPU

XB speed table 50 Hz

XBEB A175 _PB / _P
XBEB A295 _PB / _P

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,4	1250	11	5045429
10	10,8	1130	27	5045432
15	14,9	1050	37	5045433
20	18,9	930	47	5045434
25	24,1	850	60	5045436
30	28,5	750	71	5045437
40	41,0	500	102	5045439
50	50,2	300	125	5045440
60	61,5	80	153	5045441

XB speed table, 60 Hz

XBEB A175 _APB / _AP
XBEB A295 _APB / _AP

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,4	1250	16	5045615
10	9,6	1150	24	5045616
16	15,7	1050	39	5045617
19	19,3	800	48	5045618
31	30,6	250	76	5045619
36	35,8	600	89	5045620
44	43,8	100	109	5045621
63	62,7	75	156	5045622

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load

XT – Order designation

Complete unit

Drive unit	Drive unit designation	Speed	Suffixes*	Order designation examples	Motor type
End drive unit, direct drive with torque arm	XTEB	See speed table	LNPD or RNPD + c/c 210/290/370 mm	XTEB 5 LNPD210	SA37
End drive unit, direct drive with slip clutch	XTEB	See speed table	LPD or RPD + c/c 210/290/370 mm	XTEB LPD210	SA37
Catenary drive unit, direct drive with torque arm	XTEC	See speed table	LNPD or RNPD + c/c 210/290/370 mm	XTEC LNPD210	SA37
Catenary drive unit, direct drive with slip clutch	XTEC	See speed table	LPD or RPD + c/c 210/290/370 mm	XTEC LPD210	SA37
End drive unit, direct centre drive	XTEB	See speed table	MNPD + c/c 210/290/370 mm	XTEB MNPD210	SA37
End drive unit, direct centre drive, heavy-duty version	XTEB	See speed table	HMNPD + c/c 210/290/370 mm	XTEB HMNPD210	SA47

* For 60 Hz version, add an “A” to the designation (example: XTEB 5 LANPD210). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit	Basic unit
End drive unit, direct drive with torque arm	XTEB 0 LNPD/RNPD–*	
End drive unit, direct drive with slip clutch	XTEB 0 LPD/RPD–*	
Catenary drive unit, direct drive with torque arm	XTEC 0 LNPD/RNPD–*	
Catenary drive unit, direct drive with slip clutch	XTEC 0 LPD/RPD–*	
End drive unit, direct centre drive	XTEB 0 MNPD–*	
End drive unit, direct centre drive, heavy-duty version	XTEB 0 HMNPD–*	

* The dash (–) indicates c/c distance.

XT speed tables, 50 Hz

XTEB _PD / _NPD / MNPD
XTEC _PD / _NPD

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,5	1250	11	5045429
10	11,0	1100	27	5045432
15	15,0	1000	37	5045433
20	19,1	900	47	5045434

XTEB HMNPD

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 35
5	4,9	1800	12	5050451
10	10,2	1600	25	5050452
15	14,7	1450	36	5050453

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load

XT speed tables, 60 Hz

XTEB _APD / _ANPD / MANPD
XTEC _APD / _ANPD

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	6,5	1250	16	5045615
10	9,8	1200	24	5045616
16	15,8	1050	39	5045617
20	19,5	1000	48	5045618
24	24,0	1000	59	5047792
31	31,0	650	76	5045619

XTEB HMANPD

Speed (m/min)		**Chain pull**	**n**	**Gearmotor**
Nominal	Actual[1]	N (max)	rpm	See page 39
6	5,1	1730	12,5	5050454
10	9,8	1700	24	5050455
16	14,6	1400	36	5050456
20	21,1	970	52	5050511

EM – Order designation

Note

Products for conveyor system EM are only available as spareparts.

Complete unit

Drive unit	Drive unit designation	Speed	Suffixes*	Order designation examples	Motor type
End drive unit	EMEB	See speed table	NLP or NRP	EMEB 5 NLP	WA20

* For 60 Hz version, add an “A” to the designation (example: EMEB 5 NLAP). Delivered with ANSI sprocket wheel and transmission chain.

0-unit, Basic unit

Drive unit	0-unit	Basic unit
End drive unit	EMEB 0 NLP/NRP	

EM speed table 50 Hz

EMEB N_P

Standard speed	Actual speed[1]	Max chain pull N	n rpm	Gearmotor See page 35
Bonfiglioli motor				
5	5,4	470	21	5053236
8	8,5	470	33	5053237
11	11,6	400	45	5053238
17	17,2	450	67	5053239
23	23,0	350	89	5053240
35	34,8	30	135	5053241
SEW motor				
5	5,4	420	21	5055119
8	8,2	470	32	5055126
11	11,6	380	45	5055127
16	16,5	300	64	5055128
22	22,4	230	87	5055130
31	31,5	180	122	5055132

EM speed table 60 Hz

EMEB N_AP

Standard speed	Actual speed[1]	Max chain pull N	n rpm	Gearmotor See page 41
Bonfiglioli motor, 1,2×50 Hz				
6	6,5	470	25,2	5053236
11	10,2	470	39,6	5053237
14	13,9	400	54	5053238
21	20,6	450	80	5053239
28	27,3	350	106	5053240
41	41,7	30	162	5053241

Standard speed	Actual speed[1]	Max chain pull N	n rpm	Gearmotor See page 41		
SEW motor, 60 Hz				230V	460V	575V
6	5,4	420	21	5056824	5055187	5056830
12	12,6	440	49	5056825	5055189	5056831
16	16,8	350	65	5056826	5055190	5056832
21	21,2	300	82	5056827	5055191	5056833
29	28,9	250	112	5056828	5055192	5056834
39	40,2	180	156	5056829	5055188	5056835

Note
At load conditions below maximum, the actual speed can be 10–15% higher.
1 Speed at full load

Motor specifications 50 Hz, fixed speed

Item No	Gear	Motor	Brake (Coil voltage)	n rpm	Mounting position	P kW	M Nm	I A	Voltage V	Weight kg
5045299	S47	DR 63 L4	BR (230V)	10	M2B	0,25	141	1,18/0,68	230,400	15
5045300	S47	DR 63 L4	BR (230V)	10	M2A	0,25	141	1,18/0,68	230,400	15
5045301	S47	DRS 71S4	BMG (230V)	16	M2B	0,37	137	1,98/1,14	230,400	16
5045302	S47	DRS 71S4	BMG (230V)	16	M2A	0,37	137	1,98/1,14	230,400	16
5045303	S47	DRS 71M4	BMG (230V)	36	M2B	0,55	118	2,7/1,55	230,400	18
5045304	S47	DRS 71M4	BMG (230V)	36	M2A	0,55	118	2,7/1,55	230,400	18
5045305	S47	DRS 80S4	BMG (230V)	61	M2B	0,75	97	3,13/1,18	230,400	22
5045306	S47	DRS 80S4	BMG (230V)	61	M2A	0,75	97	3,13/1,18	230,400	22
5045311	S37	DR 63 M6		7,3	M2A	0,12	86	1,0/0,58	230,400	11
5045312	S37	DR 63 M6		7,3	M2B	0,12	86	1,0/0,58	230,400	11
5045313	S37	DR 63 L4		15	M2A	0,25	96	1,18/0,68	230,400	12
5045314	S37	DR 63 L4		15	M2B	0,25	96	1,18/0,68	230,400	12
5045315	S37	DRS 71S4		27	M2A	0,37	101	1,98/1,14	230,400	13
5045316	S37	DRS 71S4		27	M2B	0,37	101	1,98/1,14	230,400	13
5045317	S37	DRS 71S4		37	M2A	0,37	76	1,98/1,14	230,400	13
5045318	S37	DRS 71S4		37	M2B	0,37	76	1,98/1,14	230,400	13
5045319	S37	DRS 71M4		61	M2A	0,55	69	2,7/1,55	230,400	15
5045320	S37	DRS 71M4		61	M2B	0,55	69	2,7/1,55	230,400	15
5045321	S37	DRS 71M4		103	M2A	0,55	45	2,7/1,55	230,400	15
5045322	S37	DRS 71M4		103	M2B	0,55	45	2,7/1,55	230,400	15
5045323	S37	DRS 71M4		127	M2A	0,55	37	2,7/1,55	230,400	16
5045324	S37	DRS 71M4		127	M2B	0,55	37	2,7/1,55	230,400	16
5045429	SA37	DR 63 M4		11	M2A	0,18	93	0,96/0,55	230,400	11
5045432	SA37	DRS 71S4		27	M2A	0,37	101	1,98/1,14	230,400	11
5045433	SA37	DRS 71S4		37	M2A	0,37	76	1,98/1,14	230,400	13
5045434	SA37	DRS 71M4		48	M2A	0,55	87	2,7/1,55	230,400	13
5045435	SA37	DR 63 M6		5,7	M2A	0,12	107	1,0/0,58	230,400	11
5045436	SA37	DRS 71M4		61	M2A	0,55	69	2,7/1,55	230,400	15
5045437	SA37	DRS 71M4		71	M2A	0,55	60	2,7/1,55	230,400	15
5045438	SA37	DRS 80S4		138	M2A	0,75	46	3,13/1,18	230,400	15
5045439	SA37	DRS 71M4		103	M2A	0,55	45	2,7/1,55	230,400	15
5045440	SA37	DRS 71M4		127	M2A	0,55	37	2,7/1,55	230,400	15
5045441	SA37	DRS 80S4		156	M2A	0,75	42	3,13/1,18	230,400	16
5045686	S37	DR 63 M6		7,3	M2A	0,12	86	1,0/0,58	230,400	11
5045687	S37	DR 63 L4		15	M2A	0,25	96	1,18/0,68	230,400	12
5045688	S37	DRS 71S4		27	M2A	0,37	101	1,98/1,14	230,400	15
5046689	S37	DR 63 M6		7,3	M2B	0,12	86	1,0/0,58	230,400	15
5046690	S37	DR 63 L4		15	M2B	0,25	96	1,18/0,68	230,400	12
5046691	S37	DRS 71S4		27	M2B	0,37	101	1,98/1,14	230,400	13
5046692	S37	DRS 71S4		37	M2B	0,37	76	1,98/1,14	230,400	13
5047052	S37	DRS 80S4		176	M2A	0,75	37	3,13/1,18	230,400	16
5047053	S37	DRS 80S4		176	M2B	0,75	37	3,13/1,18	230,400	16
5047054	S37	DRS 71S4		37	M2A	0,37	76	1,98/1,14	230,400	13
5048919	S37	DR 63 L4-TF		15	M2A	0,25	96	1,18/0,68	230,400	12
5048920	S37	DR 63 L4-TF		15	M2B	0,25	96	1,18/0,68	230,400	12
5048923	S37	DRS 71S4-TF		27	M2A	0,37	101	1,98/1,14	230,400	13
5048924	S37	DRS 71S4-TF		27	M2B	0,37	101	1,98/1,14	230,400	13
5048927	S37	DRS 71S4-TF		37	M2A	0,37	76	1,98/1,14	230,400	13
5048928	S37	DRS 71S4-TF		37	M2B	0,37	76	1,98/1,14	230,400	13
5048931	S37	DRS 71M4-TF		61	M2A	0,55	69	2,7/1,55	230,400	15
5048932	S37	DRS 71M4-TF		61	M2B	0,55	69	2,7/1,55	230,400	15
5048933	S37	DRS 71M4-TF		103	M2A	0,55	45	2,7/1,55	230,400	15
5048934	S37	DRS 71M4-TF		103	M2B	0,55	45	2,7/1,55	230,400	15
5048935	S37	DRS 71M4-TF		127	M2A	0,55	37	2,7/1,55	230,400	16
5048936	S37	DRS 71M4-TF		127	M2B	0,55	37	2,7/1,55	230,400	16
5048937	S37	DRS 80S4-TF		176	M2A	0,75	37	3,13/1,18	230,400	16

Motor specifications 50 Hz, fixed speed (continued)

Item No	Gear	Motor	Brake (Coil voltage)	n rpm	Mounting position	P kW	M Nm	I A	Voltage V	Weight kg
5048938	S37	DRS 80S4-TF		176	M2B	0,75	37	3,13/1,18	230,400	16
5048999	S37	DR 63 L4-TH		15	M2A	0,25	96	1,18/0,68	230,400	12
5049000	S37	DR 63 L4-TH		15	M2B	0,25	96	1,18/0,68	230,400	12
5049003	S37	DRS 71S4-TH		27	M2A	0,37	101	1,98/1,14	230,400	13
5049004	S37	DRS 71S4-TH		27	M2B	0,37	101	1,98/1,14	230,400	13
5049007	S37	DRS 71S4-TH		37	M2A	0,37	76	1,98/1,14	230,400	13
5049008	S37	DRS 71S4-TH		37	M2B	0,37	76	1,98/1,14	230,400	13
5049011	S37	DRS 71M4-TH		61	M2A	0,55	19	2,7/1,55	230,400	15
5049012	S37	DRS 71M4-TH		61	M2B	0,55	19	2,7/1,55	230,400	15
5049013	S37	DRS 71M4-TH		45	M2A	0,55	103	2,7/1,55	230,400	15
5049014	S37	DRS 71M4-TH		45	M2B	0,55	103	2,7/1,55	230,400	15
5049015	S37	DRS 71S4-TH		127	M2A	0,55	25	1,98/1,14	230,400	16
5049016	S37	DRS 71S4-TH		127	M2B	0,55	25	1,98/1,14	230,400	16
5049017	S37	DRS 80S4-TH		176	M2A	0,75	37	3,13/1,18	230,400	17
5049018	S37	DRS 80S4-TH		176	M2B	0,75	37	3,13/1,18	230,400	17
5049170	SA37	DR 63 M4-TF		11	M2A	0,18	93	0,96/0,55	230,400	11
5049171	SA37	DRS 71S4-TF		27	M2A	0,37	101	1,98/1,14	230,400	13
5049172	SA37	DRS 71S4-TF		37	M2A	0,37	76	1,98/1,14	230,400	13
5049173	SA37	DRS 71M4-TF		48	M2A	0,55	87	2,7/1,55	230,400	13
5049175	SA37	DRS 71M4-TF		72	M2A	0,55	60	2,7/1,55	230,400	15
5049176	SA37	DRS 71M4-TF		103	M2A	0,55	45	2,7/1,55	230,400	15
5049177	SA37	DRS 71M4-TF		127	M2A	0,55	37	2,7/1,55	230,400	15
5049179	SA37	DRS 80S4-TF		156	M2A	0,75	41	3,13/1,18	230,400	16
5049191	SA37	DR 63 M4-TH		11	M2A	0,18	93	0,96/0,55	230,400	11
5049192	SA37	DRS 71S4-TH		27	M2A	0,37	101	1,98/1,14	230,400	13
5049193	SA37	DRS 71S4-TH		37	M2A	0,37	76	1,98/1,14	230,400	13
5049194	SA37	DRS 71M4-TH		48	M2A	0,55	87	2,7/1,55	230,400	13
5049196	SA37	DRS 71M4-TH		72	M2A	0,55	60	2,7/1,55	230,400	15
5049197	SA37	DRS 71M4-TH		103	M2A	0,55	45	2,7/1,55	230,400	15
5049198	SA37	DRS 71M4-TH		127	M2A	0,55	37	2,7/1,55	230,400	15
5049200	SA37	DRS 80S4-TH		156	M2A	0,75	41	3,13/1,18	230,400	16
5050451	SA47	DRS 71S4	BMG (230V)	12	M2A	0,37	180	1,98/1,14	230/400	19
5050452	SA47	DRS 71M4	BMG (230V)	25	M2A	0,55	162	2,7/1,55	230/400	21
5050453	SA47	DRS 71M4	BMG (230V)	36	M2A	0,55	116	2,7/1,55	230/400	21
5050510	SA47	DRS 80S4	BMG (230V)	49	M2A	0,75	120	3,13/1,18	230/400	22
5057839	WA10	DT 56 M4		33	M3	0,09	15	0,29	400	5,3
5057855	WA10	DT 56 M4		53	M3	0,09	11	0,29	400	5,3
5057856	WA10	DT 56 M4		67	M3	0,09	9,4	0,29	400	5,3
5057857	WA10	DT 56 M4		91	M3	0,09	7,6	0,29	400	5,3
5057858	WA10	DT 56 M4		127	M3	0,09	5,8	0,29	400	5,3
5057860	WA20	DR 63 S4		18	M3	0,12	25	0,39	230,400	6,3
5057861	WA20	DR 63 S4		35	M3	0,12	19	0,39	230,400	6,3
5057862	WA20	DR 63 S4		50	M3	0,12	15	0,39	230,400	6,3
5057863	WA20	DR 63 S4		71	M3	0,12	12	0,39	230,400	6,3
5057864	WA20	DR 63 S4		96	M3	0,12	9,5	0,39	230,400	6,3
5057865	WA20	DR 63 S4		135	M3	0,12	7,2	0,39	230,400	6,3
5057866	WA20	DR 63 S4		168	M3	0,12	5,9	0,39	230,400	6,3
5057867	WA20	DR 63 S4		210	M3	0,12	4,9	0,39	230,400	6,3
5057873	WA10	DT 56 M4		47	M3	0,09	12	0,29	400	5,3
5057879	WA20	DR 63 M4		18	M3	0,18	39	0,55	230,400	6,3
5057880	WA20	DR 63 M4		34	M3	0,18	29	0,55	230,400	6,3
5057881	WA20	DR 63 M4		48	M3	0,18	24	0,55	230,400	6,3
5057882	WA20	DR 63 M4		68	M3	0,18	19	0,55	230,400	6,3
5057883	WA20	DR 63 M4		92	M3	0,18	15	0,55	230,400	6,3
5057884	WA20	DR 63 M4		129	M3	0,18	11	0,55	230,400	6,3
5057885	WA20	DR 63 M4		161	M3	0,18	9,2	0,55	230,400	6,3

Motor specifications 50 Hz, fixed speed (continued)

Item No	Gear	Motor	Brake (Coil voltage)	n rpm	Mounting position	P kW	M Nm	I A	Voltage V	Weight kg
5057886	WA20	DR 63 M4		201	M3	0,18	7,7	0,55	230,400	6,3
5057909	WA10	DT 56 M4		17	M3	0,09	20	0,29	400	5,3
5110220	WA10	DT 56 L4		17	M3	0,12	27	0,73	230	5
5110221	WA10	DT 56 L4		33	M3	0,12	20	0,73	230	5
5110222	WA10	DT 56 L4		53	M3	0,12	15	0,73	230	5
5110223	WA10	DT 56 L4		67	M3	0,12	13	0,73	230	5
5110224	WA10	DT 56 L4		127	M3	0,12	7	0,73	230	5
5110226	WA10	DT 56 L4		17	M3	0,12	27	0,73	230	5
5110227	WA10	DT 56 L4		33	M3	0,12	20	0,73	230	5
5110228	WA10	DT 56 L4		53	M3	0,12	15	0,73	230	5
5110229	WA10	DT 56 L4		67	M3	0,12	13	0,73	230	5
5110230	WA10	DT 56 L4		127	M3	0,12	7	0,73	230	5
5110250	WA20	DR 63 M4-TF		18	M3	0,18	39	0,55	230,400	6,3
5110251	WA20	DR 63 M4-TF		34	M3	0,18	29	0,55	230,400	6,3
5110252	WA20	DR 63 M4-TF		48	M3	0,18	24	0,55	230,400	6,3
5110253	WA20	DR 63 M4-TF		68	M3	0,18	19	0,55	230,400	6,3
5110254	WA20	DR 63 M4-TF		92	M3	0,18	15	0,55	230,400	6,3
5110255	WA20	DR 63 M4-TF		129	M3	0,18	11	0,55	230,400	6,3
5110256	WA20	DR 63 M4-TF		161	M3	0,18	9,2	0,55	230,400	6,3
5110257	WA20	DR 63 M4-TF		201	M3	0,18	7,7	0,55	230,400	6,3
5110258	WA20	DR 63 M4-TH		18	M3	0,18	39	0,55	230,400	6,3
5110259	WA20	DR 63 M4-TH		34	M3	0,18	29	0,55	230,400	6,3
5110260	WA20	DR 63 M4-TH		48	M3	0,18	24	0,55	230,400	6,3
5110261	WA20	DR 63 M4-TH		68	M3	0,18	19	0,55	230,400	6,3
5110262	WA20	DR 63 M4-TH		92	M3	0,18	15	0,55	230,400	6,3
5110263	WA20	DR 63 M4-TH		129	M3	0,18	11	0,55	230,400	6,3
5110264	WA20	DR 63 M4-TH		161	M3	0,18	9,2	0,55	230,400	6,3
5110265	WA20	DR 63 M4-TH		201	M3	0,18	7,7	0,55	230,400	6,3
5110291	SA37	DR 63 S4		8,8	M2A	0,12	74	0,39	230,400	11
5110293	SA37	DR 63 S4		16	M2A	0,12	44	0,39	230,400	11
5110294	SA37	DR 63 S4		22	M2A	0,12	33	0,39	230,400	11
5110297	SA37	DR 63 S4		8,8	M2A	0,12	74	0,39	230,400	11
5110299	SA37	DR 63 S4		16	M2A	0,12	44	0,39	230,400	11
5110300	SA37	DR 63 S4		22	M2A	0,12	33	0,39	230,400	11
5110303	SA37	DR 63 S4		8,8	M2A	0,12	74	0,39	230,400	11
5110305	SA37	DR 63 S4		16	M2A	0,12	44	0,39	230,400	11
5110306	SA37	DR 63 S4		22	M2A	0,12	33	0,39	230,400	11

XLED H

XMED H

Reference No	Gear	Item No (motor)[1]	Brake (Coil voltage)	n rpm	Mounting position	P kW	M Nm	I A (230/400 V)	Weight kg
A	BS50H/54:1	M2AA 80A-6 R920		14*	–	0,37	121	1,4	8,5 2)
B	BS50G/42:1	M2AA 80A-4 R1410		27,5*	–	0,55	103	1,7	9,0 2)
C	BS50F/32:1	M2AA 80B-4 R1410		36/44*	–	0,75	118	2,1	10,0 2)
D	BS50D/21:1	M2AA 80B-4 R1410		55/67*	–	0,75	82	2,1	10,0 2)
E	BS50C/14:1	M2AA 80B-4 R1410		82*	–	0,75	58	2,1	10,0 2)
F	BS50B/10,5:1	M2AA 80B-4 R1410		110/134*	–	0,75	45	2,1	10,0 2)

X_ED H: The rpm values in the table above are given for each motor/gear combination, without considering cog wheels Z1 and Z2 which are part of a complete synchronous drive unit. The XLED H and XMED H speed tables give the actual rpm value for each standard speed.

1) The item number is only for the motor. For the gearbox, use the number BS50x/xx:x.

2) The total weight of drive unit X_ED H is approx. 35 kg

* rpm out, cardan shaft

XTUC S11, XTPT PW×PL

Gear	Manufacturer part number	Motor	Manufacturer part number	Poles	Voltage V	n rpm	P W	M Nm	I A	C µF
5111737	S8KA12,5B	5111735	S8R25GX-T1CE	4	240	120	25	2,185	0,28	2,0
5111738	S9KB12,5BH	5111733	S9R40GXH-T1CE	4	240	120	40	3,371	0,42	3,0
5111742	S9KC40BH	5111731	S9I60GXH-TCE	4	220	37	60	12,94	0,47	3,5
5111741	S9KC20BH	5111731	S9I60GXH-TCE	4	220	75	60	7,154	0,47	3,5
5111740	S9KC12,5BH	5111731	S9I60GXH-TCE	4	220	120	60	4,469	0,47	3,5
5111739	S9KC10BH	5111731	S9I60GXH-TCE	4	220	150	60	3,969	0,47	3,5

Motor specifications 60 Hz, fixed speed

Item No	Gear	Motor - Brake (Coil voltage)	n rpm	Mounting position	P kW	M Nm	I A	Voltage V	Weight kg
5044953	S37	DRS 71 S4	20	M2A	0,25	74	1,84/0,92	230,460	13
5044954	— " —	— " —	20	M2B	— " —	— " —	— " —	— " —	— " —
5044955	— " —	— " —	39	M2A	0,37	72	— " —	— " —	— " —
5044956	— " —	— " —	— " —	M2B	— " —	— " —	— " —	— " —	— " —
5044957	— " —	— " —	136	M2A	0,55	35	— " —	— " —	— " —
5044958	— " —	— " —	— " —	M2B	— " —	— " —	— " —	— " —	— " —
5044959	— " —	DRE 80 M4	218	M2A	0,75	31	2,9/1,44	— " —	14
5044960	— " —	— " —	— " —	M2B	— " —	— " —	— " —	— " —	— " —
5045201	— " —	DRS 71 M4	67	M2A	0,55	65	2,5/1,25	— " —	— " —
5045202	— " —	— " —	— " —	M2B	— " —	— " —	— " —	— " —	— " —
5045281	S47	DRS 71 M4-BE1 (230 V)	20	M2B	0,55	172	— " —	— " —	20
5045282	— " —	— " —	— " —	M2A	— " —	— " —	— " —	— " —	— " —
5045283	— " —	DRE 80 M4-BE1 (230 V)	38	M2B	0,75	149	2,9/1,44	— " —	21
5045284	— " —	— " —	— " —	M2A	— " —	— " —	— " —	— " —	— " —
5045285	— " —	— " —	70	M2B	0,75	86	— " —	— " —	21
5045286	— " —	— " —	— " —	M2A	— " —	— " —	— " —	— " —	— " —
5045419	— " —	DRS 71 S4-BE05	12	M2B	0,37	177	1,84/0,92	— " —	18
5045420	— " —	— " —	— " —	M2A	— " —	— " —	— " —	— " —	— " —
5045430	SA37	DRS 71 S4	5	— " —	0,15	92	— " —	— " —	11
5045615	— " —	— " —	16	— " —	0,25	89	— " —	— " —	15
5045616	— " —	— " —	24	— " —	0,37	96	— " —	— " —	— " —
5045617	— " —	— " —	39	— " —	— " —	72	— " —	— " —	— " —
5045618	— " —	DRS 71 M4	48	M2A	0,55	88	2,5/1,25	— " —	17
5045619	— " —	— " —	76	— " —	— " —	58	— " —	— " —	— " —
5045620	— " —	— " —	89	— " —	— " —	49	— " —	— " —	— " —
5045621	— " —	— " —	109	— " —	— " —	43	— " —	— " —	— " —
5045622	— " —	DRE 80 S4	160	— " —	0,75	41	2,9/1,44	— " —	18
5045689	S37	DRS 71 S6	7,6	— " —	0,18	92	1,3/0,65	— " —	15
5045690	— " —	DRS 71 S4	20	— " —	0,25	74	1,84/0,92	— " —	15
5045691	— " —	— " —	39	— " —	0,37	72	— " —	— " —	— " —
5046693	— " —	DRS 71 S6	7,6	M2B	0,18	92	1,3/0,65	— " —	15
5046695	— " —	DRS 71 S4	20	— " —	0,25	74	1,84/0,92	— " —	15
5046696	— " —	— " —	39	— " —	0,37	72	— " —	— " —	— " —
5047059	— " —	— " —	13	M2A	0,25	109	1,3/0,65	— " —	— " —
5047792	SA37	DRS 71 M6	59	— " —	0,55	72	2,9/1,44	— " —	17
5050454	SA47	DRS 71 S4-BE05 (230 V)	12,5	— " —	0,25	115	1,84/0,92	230/400	19
5050455	— " —	DRS 71 M4-BE1 (230 V)	24	— " —	0,55	149	2,5/1,25	— " —	19
5050456	— " —	— " —	36	— " —	— " —	118	— " —	— " —	— " —
5050511	— " —	DRE 80 M4	54	— " —	0,75	110	2,9/1,44	— " —	22
5057964	WA10	DT 56 M4	20,4	M3	0,09	20	0,29	460	5,3
5057965	— " —	— " —	32	— " —	— " —	16	— " —	— " —	— " —
5058023	— " —	— " —	50	— " —	— " —	13	— " —	— " —	— " —
5058024	— " —	— " —	67	— " —	0,10	11	— " —	— " —	— " —
5058025	— " —	— " —	99	— " —	— " —	8,4	— " —	— " —	— " —
5058026	— " —	— " —	60	— " —	— " —	12	— " —	— " —	— " —
5058027	— " —	— " —	84	— " —	0,09	9,4	— " —	— " —	— " —
5058028	— " —	— " —	114	— " —	— " —	7,6	— " —	— " —	— " —
5058029	— " —	— " —	160	— " —	0,10	5,8	— " —	— " —	— " —
5058030	— " —	— " —	200	— " —	0,09	4,8	— " —	— " —	— " —
5058031	WA20	DRS 71 S4	23	— " —	0,25	44	1,24/0,62	230,460	7,9
5058032	— " —	— " —	36	— " —	— " —	35	— " —	— " —	— " —
5058033	— " —	— " —	53	— " —	— " —	31	— " —	— " —	— " —
5058035	— " —	— " —	70	— " —	— " —	24	— " —	— " —	— " —
5058036	— " —	— " —	103	— " —	0,18	13	0,89/0,44	— " —	— " —

Motor specifications 60 Hz, fixed speed (continued)

Item No	Gear	Motor - Brake (Coil voltage)	n rpm	Mounting position	P kW	M Nm	I A	Voltage V	Weight kg
5058037	WA20	DRS 71 S4	119	M3	0,18	12	0,89/0,44	230,460	7,9
5058038	— " —	— " —	166	— " —	— " —	9	— " —	— " —	— " —
5058039	— " —	— " —	207	— " —	— " —	7,2	— " —	— " —	— " —
5110238	WA10	DT 56 M4	22	— " —	0,09	18	0,28	230	5,3
5110239	— " —	— " —	34	— " —	— " —	15	— " —	— " —	— " —
5110240	— " —	— " —	50	— " —	— " —	12	— " —	— " —	— " —
5110241	— " —	DT 56 L4	65	— " —	0,12	15	— " —	— " —	5
5110242	— " —	DT 56 M4	99	— " —	0,09	7	— " —	— " —	5,3
5110243	— " —	— " —	114	— " —	— " —	6	— " —	— " —	— " —
5110244	— " —	— " —	22	— " —	— " —	18	0,23	575	— " —
5110245	— " —	— " —	34	— " —	— " —	15	— " —	— " —	— " —
5110246	— " —	— " —	50	— " —	— " —	12	— " —	— " —	— " —
5110247	— " —	DT 56 L4	65	— " —	0,12	15	— " —	— " —	5
5110248	— " —	DT 56 M4	102	— " —	0,09	8,4	— " —	— " —	5,3
5110249	— " —	DT 56 M4	114	— " —	— " —	6	— " —	— " —	— " —
5110266	WA20	DRS 71 S4	22	— " —	0,25	43,5	0,84/0,49	330,575	7,9
5110267	— " —	— " —	36	— " —	— " —	35	— " —	— " —	— " —
5110268	— " —	— " —	63	— " —	— " —	26	— " —	— " —	— " —
5110269	— " —	— " —	88	— " —	— " —	20	— " —	— " —	— " —
5110270	— " —	— " —	120	— " —	— " —	16	— " —	— " —	— " —
5110271	— " —	— " —	168	— " —	— " —	12	— " —	— " —	— " —
5110272	— " —	— " —	210	— " —	— " —	10	— " —	— " —	— " —
5110282	SA37	DRS 71 S4	13	M2A	— " —	95,5	0,86/0,49	— " —	11
5110283	— " —	— " —	27	— " —	0,37	85	— " —	— " —	12
5110284	— " —	— " —	39	— " —	— " —	71	— " —	— " —	— " —
5110285	— " —	DRS 71 M4	55	— " —	0,75	73	2,5/1,25	— " —	15
5110286	— " —	— " —	76	— " —	0,55	57	— " —	— " —	14
5110287	— " —	— " —	109	— " —	— " —	42	— " —	— " —	— " —
5110288	— " —	— " —	130,8	— " —	— " —	35,83	— " —	— " —	— " —
5110309	— " —	DRS 71 S4	11	— " —	0,18	84	0,89/0,44	230,460	11
5110312	— " —	— " —	21	— " —	— " —	48	— " —	— " —	— " —
5110313	— " —	— " —	27	— " —	— " —	38,5	— " —	— " —	— " —
5110314	— " —	— " —	33	— " —	— " —	39	— " —	— " —	— " —
5110315	— " —	— " —	11	— " —	— " —	84	0,86/0,49	330,575	— " —
5110317	— " —	— " —	16	— " —	— " —	61	— " —	— " —	— " —
5110318	— " —	— " —	21	— " —	— " —	48	— " —	— " —	— " —
5110320	— " —	— " —	33	— " —	— " —	39	— " —	— " —	— " —
5110322	— " —	— " —	27	— " —	0,37	85	1,74/1,0	— " —	12
5110323	— " —	DRS 71 M4	39	— " —	0,55	78	— " —	— " —	14
5110324	— " —	— " —	55	— " —	0,75	73	— " —	— " —	15
5110325	— " —	— " —	76	— " —	— " —	78	— " —	— " —	— " —
5110326	— " —	— " —	109	— " —	— " —	58	— " —	— " —	— " —
5110327	— " —	— " —	122,4	— " —	0,55	38,33	— " —	— " —	14
5110328	— " —	— " —	150	— " —	— " —	30,8	— " —	— " —	— " —
5110330	— " —	DRS 71 S4	27	M2B	0,37	85	0,86/0,49	— " —	12
5110331	— " —	DRS 71 M4	39	— " —	0,55	78	1,74/1,0	— " —	14
5110332	— " —	DRE 80 M4	55	— " —	0,75	73	2,9/1,44	— " —	15
5110333	— " —	— " —	76	— " —	— " —	78	— " —	— " —	— " —
5110334	— " —	— " —	109	— " —	— " —	58	— " —	— " —	— " —
5110335	— " —	DRS 71 M4	122,4	— " —	0,55	38,33	1,74/1,0	— " —	14
5110336	— " —	— " —	150	— " —	— " —	30,8	— " —	— " —	— " —

EM

Item No	Gear	Motor	Voltage V	n rpm	Mounting position	P kW	M Nm	I A	Weight kg
230 V types									
5056824	WA10	DT 56 M4	230	21		0,15	160	0,29	5,3
5056825	WA10	DT 56 L4	230	49		0,2	164	0,29	5,3
5056826	WA10	DT 56 L4	230	65		0,2	133	0,29	5,3
5056827	WA10	DT 56 L4	230	82		0,2	115	0,29	5,3
5056828	WA10	DT 56 L4	230	112		0,2	93	0,29	5,3
5056829	WA10	DT 56 L4	230	156		0,2	128	0,25	5,3
460 V types									
5055187	WA10	DT 56 M4	460	21		0,15	160	0,29	5,3
5055188	WA10	DT 56 L4	460	156		0,2	128	0,25	5,3
5055189	WA10	DT 56 L4	460	49		0,2	164	0,29	5,3
5055190	WA10	DT 56 L4	460	65		0,2	133	0,29	5,3
5055191	WA10	DT 56 L4	460	82		0,2	115	0,29	5,3
5055192	WA10	DT 56 L4	460	112		0,2	93	0,29	5,3
575 V types									
5056830	WA10	DT 56 M4	575	21		0,15	160	0,29	5,3
5056831	WA10	DT 56 L4	575	49		0,2	164	0,29	5,3
5056832	WA10	DT 56 L4	575	65		0,2	133	0,29	5,3
5056833	WA10	DT 56 L4	575	82		0,2	115	0,29	5,3
5056834	WA10	DT 56 L4	575	112		0,2	93	0,29	5,3
5056835	WA10	DT 56 L4	575	156		0,2	128	0,25	5,3

XTUC S11, XTPT PW×PL

Gear	Manufacturer part number	Motor	Manufacturer part number	Poles	Voltage V	n rpm	P W	M Nm	I A	C µF
5111737	S8KA12,5B	5111736	S8R25GE-T1CE	4	115	144	25	1,784	0,63	7,0
5111738	S9KB12,5BH	5111734	S9R40GEH-T1CE	4	115	144	40	2,783	1,00	12,0
5111742	S9KC40BH	5111732	S9I60GEH-TCE	4	115	45	60	10,39	1,27	12,0
5111741	S9KC20BH	5111732	S9I60GEH-TCE	4	115	90	60	5,723	1,27	12,0
5111740	S9KC12,5BH	5111732	S9I60GEH-TCE	4	115	144	60	3,577	1,27	12,0
5111739	S9KC10BH	5111732	S9I60GEH-TCE	4	115	180	60	3,175	1,27	12,0

Motor specifications 50 Hz, variable speed

Item No	Gear	Motor - Brake (Coil voltage)	Notes	n (10 Hz) rpm	n (50 Hz) rpm	Mounting pos.	Fits 0-unit version:	P kW	M Nm	I A	Voltage V
5057708	WA20	DRS 71 S4-MM03		10	51	M2A	Left	0,37	35-47	1,3	380-500
5057709	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057710	— " —	— " —		20	98	— " —	Left	— " —	24-29	— " —	— " —
5057711	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057712	SA37	— " —		5,5	27	— " —	Left	— " —	85-99	— " —	— " —
5057713	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057714	— " —	DRS 71 M4-MM05		9,7	49	— " —	Left	0,55	77-86	1,6	— " —
5057715	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057716	— " —	DRS 80 S4-MM07		15	73	— " —	Left	0,75	72-80	1,9	— " —
5057717	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057718	— " —	— " —		21	105	— " —	Left	— " —	56-60	— " —	— " —
5057719	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057720	— " —	— " —		31	155	— " —	Left	— " —	39-41	— " —	— " —
5057721	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057722	SA47	DRS 71 M4-BE1-MM05		4,2	21	— " —	Left	0,55	135-165	1,6	— " —
5057726	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057727	— " —	DRS 80 S4 BE1 MM07		7,3	37	— " —	Left	0,75	140-157	1,9	— " —
5057728	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5057729	— " —	— " —		14	69	— " —	Left	— " —	85-91	— " —	— " —
5057730	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058120	WA20	5057708	Hybrid cable incl.	10	51	— " —	Left	0,37	35-47	1,3	— " —
5058121	— " —	5057709	1.5 m KPF6	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058122	— " —	5057710	— " —	20	98	— " —	Left	— " —	24-29	— " —	— " —
5058123	— " —	5057711	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058124	SA37	5057712	— " —	5,5	27	— " —	Left	— " —	85-99	— " —	— " —
5058125	— " —	5057713	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058126	— " —	5057714	— " —	9,7	49	— " —	Left	0,55	77-86	1,6	— " —
5058127	— " —	5057715	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058128	— " —	5057716	— " —	15	73	— " —	Left	0,75	72-80	1,9	— " —
5058129	— " —	5057717	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058130	— " —	5057718	— " —	21	105	— " —	Left	— " —	56-60	— " —	— " —
5058131	— " —	5057719	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058132	— " —	5057720	— " —	31	155	— " —	Left	— " —	39-41	— " —	— " —
5058133	— " —	5057721	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058134	SA47	5057722	— " —	4,2	21	— " —	Left	0,55	135-165	1,6	— " —
5058135	— " —	5057726	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058136	— " —	5057727	— " —	7,3	37	— " —	Left	0,75	140-157	1,9	— " —
5058137	— " —	5057728	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058138	— " —	5057729	— " —	14	69	— " —	Left	— " —	85-91	— " —	— " —
5058139	— " —	5057730	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5110160	SA37	DRS 80 S4-MM07		35	175	— " —	Right	— " —	34-37	— " —	— " —
5110161	— " —	— " —		— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110162	— " —	5110160	— " —	35	175	— " —	Right	— " —	— " —	— " —	— " —
5110163	— " —	5110161	— " —	— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110164	— " —	DRS 80 S4-MM07		41	206	— " —	Right	— " —	29-31	— " —	— " —
5110165	— " —	— " —		— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110166	— " —	5110164	— " —	41	206	— " —	Right	— " —	— " —	— " —	— " —
5110167	— " —	5110165	— " —	— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110168	— " —	DRS 80 S4-MM11		32	321	— " —	Right	1,10	27-30	2,4	— " —
5110169	— " —	— " —		— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110170	— " —	5110168	— " —	32	321	— " —	Right	— " —	— " —	— " —	— " —
5110171	— " —	5110169	— " —	— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110274	WA20	DRS 71 S4-MM05		20	202	— " —	Left	0,55	17-22	1,6	— " —
5110275	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5110276	— " —	5110274	— " —	20	202	— " —	Left	— " —	— " —	— " —	— " —
5110277	— " —	5110275	— " —	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —

Motor specifications 60 Hz, variable speed

Item No	Gear	Motor - Brake (Coil voltage)	Notes	**n** (10 Hz) rpm	**n** (60 Hz) rpm	Mounting pos.	Fits 0-unit version:	**P** kW	**M** Nm	**I** A	Voltage V
5058157	WA20	DRS 71 S4-MM03		8,6	52	M2A	Left	0,37	34-46	1,3	380-500
5058158	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058159	— " —	— " —		17	103	— " —	Left	— " —	21,5-26	— " —	— " —
5058160	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058161	SA37	— " —		5	30	— " —	Left	— " —	75-85	— " —	— " —
5058162	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058163	— " —	DRS 71 M4-MM05		8	48	— " —	Left	0,55	78-87	1,4	— " —
5058164	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058165	— " —	DRE 80 M4-MM07		13	76	— " —	Left	0,75	70-78	1,7	— " —
5058166	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058167	— " —	— " —		18	109	— " —	Left	— " —	54-58	— " —	— " —
5058168	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058169	— " —	— " —		26	156	— " —	Left	— " —	39-41	— " —	— " —
5058170	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058171	SA47	DRS 71 M4-BE05-MM05		3,3	20	— " —	Left	0,55	138-169	1,4	— " —
5058172	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058173	— " —	DRE 80 M4-BE1 MM07		5,9	36	— " —	Left	0,75	142-159	1,7	— " —
5058174	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058175	— " —	— " —		11,3	69	— " —	Left	— " —	80-86	— " —	— " —
5058176	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5058178	WA20	5058157	Hybrid cable incl.								
5058179	— " —	5058158	1.5 m KPF6								
5058180	— " —	5058159	— " —								
5058181	— " —	5058160	— " —								
5058182	SA37	5058161	— " —								
5058183	— " —	5058162	— " —								
5058184	— " —	5058163	— " —								
5058185	— " —	5058164	— " —								
5058186	— " —	5058165	— " —								
5058187	— " —	5058166	— " —								
5058188	— " —	5058167	— " —								
5058189	— " —	5058168	— " —								
5058190	— " —	5058169	— " —								
5058191	— " —	5058170	— " —								
5058192	SA47	5058171	— " —								
5058193	— " —	5058172	— " —								
5058194	— " —	5058173	— " —								
5058195	— " —	5058174	— " —								
5058196	— " —	5058175	— " —								
5058197	— " —	5058176	— " —								
5110176	SA37	DRE 80 M4-MM07		31	188	M2A	Right	— " —	20-34	1,6	— " —
5110177	— " —	— " —		— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110178	— " —	5110176	Hybrid cable incl.								
5110179	— " —	5110177	1.5 m KPF6								
5110180	— " —	DRE 80 M4-MM07		36	213	— " —	Right	— " —	26-30	— " —	— " —
5110181	— " —	— " —		— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110182	— " —	5110180	Hybrid cable incl.								
5110183	— " —	5110181	1.5 m KPF6								
5110184	— " —	DRE 80 M4-MM07		42	250	— " —	Right	— " —	24-26	— " —	— " —
5110185	— " —	— " —		— " —	50	— " —	Left	— " —	— " —	— " —	— " —
5110186	— " —	5110184	Hybrid cable inc.								
5110187	— " —	5110185	1.5 m KPF6								
5110278	WA20	DRS 71 S4-MM03		34	207	— " —	Left	0,37	13-15	— " —	— " —
5110279	— " —	— " —		— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —
5110280	— " —	5110278	Hybrid cable incl.	— " —	— " —	— " —	Left	— " —	— " —	— " —	— " —
5110281	— " —	5110279	1.5 m KPF6	— " —	— " —	— " —	Right	— " —	— " —	— " —	— " —

Appendix

Information from SEW EURODRIVE

SEW EURODRIVE

FlexLink Systems AB
S-415 50 GÖTEBORG

2006-12-14

Customized products for FlexLink Systems AB

This document supersedes all previous editions that concerns oil filling and mounting positions for SEW gears.

- In cooperation with the technical departments at SEW Eurodrive GmbH in Germany we have decided to allow operation of below mentioned gears, without breather valve and with fixed oil quantity for determined mounting positions, for ≥4-pole motors connected to the mains at 50/60 Hz, according to the conditions below:
- Valid products are specified by FlexLink Systems AB according to the following information:
- FlexLink System AB assembly instructions **392770, 3927701 and 3727708**.
- All units with **MOVIMOT, except WA10/WA20 and R17/R27,** will be delivered **with an attached breather plug.** The plug is to be fitted onto the gearbox before commissioning, accordingly to the chosen mounting position.
- **Below units will be delivered without breather valve.**
- Worm gears type **S37/SA37,** with an oil quantity of 0,4 litre in mounting position **M2A/B**. The units may also be used in mounting positions **M1A/B, M3A/B, M5A/B or M6A/B** without any changes.
- Worm gears type **S47/SA47**, with an oil quantity of 0,8 litre in mounting position **M2A/B**. The units may also be used in mounting position **M3A/B** without any changes.
- Helical gears type **R37,** with an oil quantity of 0,95 litre in mounting position **M6.** The units may also be used in mounting position **M5** without any changes.
- Helical gears type **R27,** with an oil quantity of 0,5 litre in mounting position **M6.** The units may also be used in mounting position **M5** without any changes.
- Helical gears type **R17,** with an oil quantity of 0,4 litre in mounting position **M6.** The units may also be used in mounting position **M5** without any changes.
- Spiroplan gears **WA10/WA20** is filled with oil, as standard, for all kind of mounting positions, without breather plug.

The customized products are furnished with a **FlexLink-sticker** on the fan cover, informing about the permissible mounting positions.

SEW-EURODRIVE
Technical department
Marco Leván
Manager Technical Department

SEW-EURODRIVE AB

Supplier of gearmotors to FlexLink Systems

Features of the new Helical-Worm gearbox 7-series

The 7-series worm gears are fully interchangeable with the 2-series worm gears.

Advantages compared to 2-series:

- Superior oil sealing due to new design
- Increased gear-ratio selections
- Increased efficiency through a new helical-worm design
- Increased bearing lifetime. New design to balance the internal forces
- Lower LCC (Life Cycle Cost)

SEW Strengths

- Complete supplier: gear-motor-control-communication-commissioning-training
- Local support world wide
- Flexible, customer friendly modular system
- Qualified Technical Support and customer training
- High degree of delivery availability and security
- Always components in stock

SEW Service Assistance

- Product service assistance can be obtained at the nearest SEW-plant
- At service the following product information is essential to ensure quick handling:
  1. Sales order number and model number from the motor nameplate
  2. If the unit is a customized product (Indicated by a yellow or green FlexLink-sticker on the fan cover). The FlexLink item designation number is available on the last line on the motor name plate.

SEW World Wide

- Number one motorgear in the world
- 13 000 employed
- Representation in 72 countries
- 64 SEW-EURODRIVE Assembly Plants throughout the world
- 12 SEW EURODRIVE Manufacturing Sites
- High quality in products and services

SEW-Eurodrive AB

Jönköping 2010-09-23

Tommy Johansson
Managing director