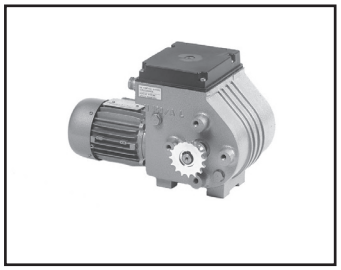
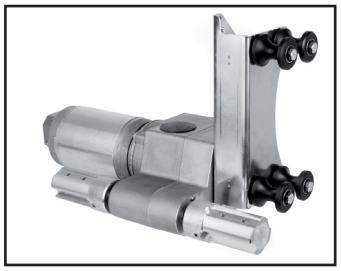
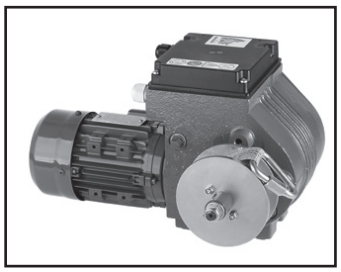
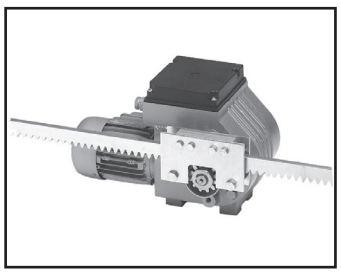








De Gier B.V. has invested considerable time and energy in recent years in the development of its GW motor gearboxes. As a result, the GW series has proven to be a reliable driving force for horticultural and agricultural applications, such as ventilation and screening systems, hoist heating and feed / drink systems.

GW motor gearboxes are designed to meet the following criteria:

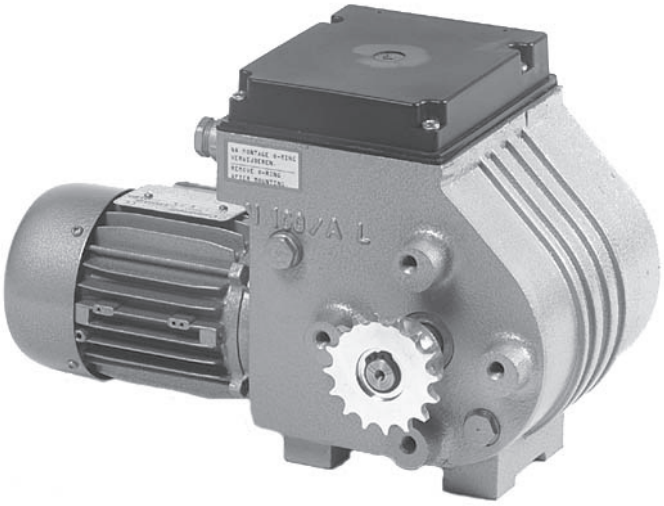
- Powerful
- Self-locking transmission
- Durable
- Low noise level
- Low maintenance
- Compact dimensions
- Straightforward universal installation
- II-I B certificate for your CE approval

The high power and low number of revolutions ensure optimum adjustment for the system to be driven, such as a climate control system, in a very economical way. GW motor gearboxes stand out for their quiet operation and minimal wear, not least due to the quality of the cogwheels and the other high-grade materials used.

As a standard the GW motor gearboxes are equiped with a linear limit switch system, with operating and emergency switches. Each motor is suited to put in an optional position feedback (potentiometer or MultiPosblok) for connection to a control system. The limit switch system's standard switching range is 86 revolutions of the driven shaft of the motor gearbox.

The GW series is available with a torque in the range of
10 Nm to 1500 Nm.

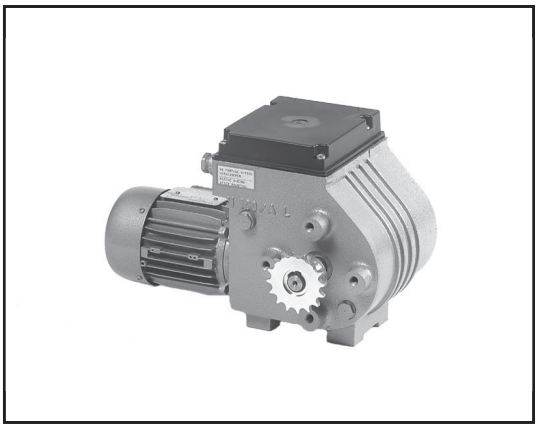
Motor gearboxes for chain couplings



De Gier B.V., Westlandseweg 9, 2291 PG WATERINGEN, THE NETHERLANDS, Tel. +31 (0)174 292089, Fax +31 (0)174 295644, E-mail: sales@degier.nl
www.degier.eu
Version 1 November 2012

MOTOR GEARBOXES

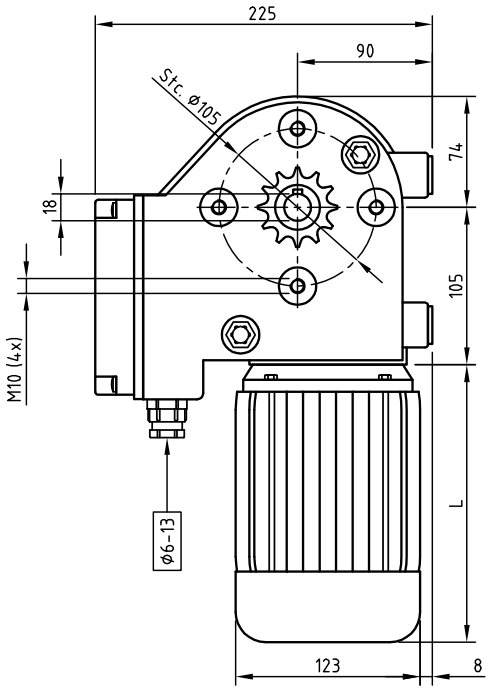
GW10 CHAIN COUPLING

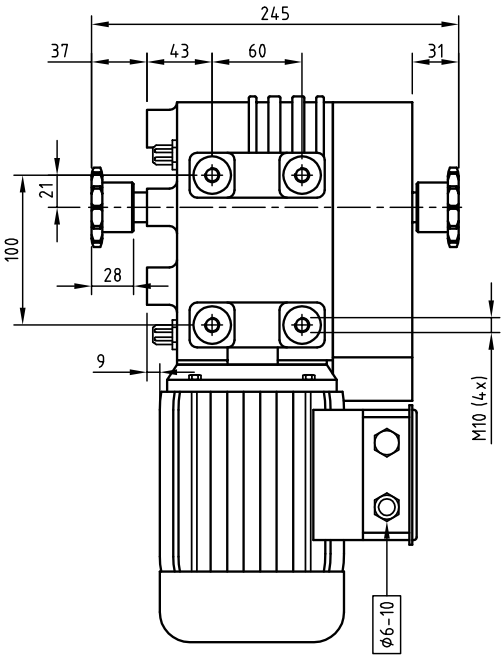


The GW10, with chain couplings on the driven shaft, has a number of applications, such as the hoisting of feeder or drink lines and the opening of vents.

As a standard the GW10 is fitted with a chain coupling set with a duplex chain according to DIN chain number 08B-2 or 10B-2. The sprocket wheel joint is available for a 1” (08B-2), 5/4” or 2” (both 10B-2) drive tubes. The motor gearbox can be mounted at the side or at the base. The electric motor’s protection category is IP55, according to EN60529.

The GW10 can optionally be fitted with a tube-bolt chain coupling set for 1” or 5/4” drive tubes. Electric motors with different voltages and/or frequencies or a higher protection class, for instance tropic winding, are available on request.



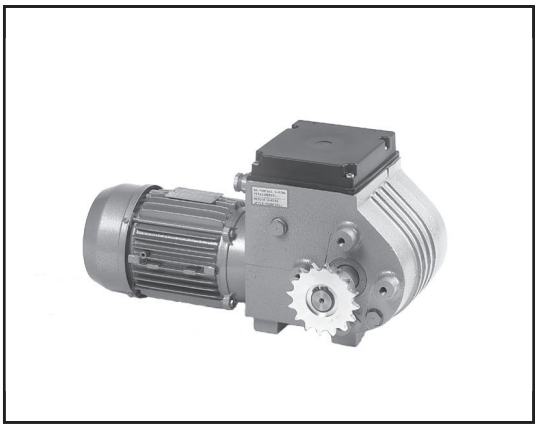


Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW10-1.3, 400V, 3~	100	0,09	230/400	0,9/0,5	1,3	0,09	255/440	0,9/0,5	1,6	185	20
GW10-2.6, 400V, 3~	100	0,09	230/400	0,7/0,4	2,6	0,10	255/440	0,7/0,4	3,1	168	20
GW10-5.2, 400V, 3~	100	0,18	230/400	1,0/0,6	5,2	0,21	255/440	1,0/0,6	6,3	185	23
GW10-1.3, 230V, 1~	100	0,09	230	1,2	1,3	-	-	-	-	185	20
GW10-2.6, 230V, 1~	100	0,18	230	1,6	2,6	-	-	-	-	185	23
GW10-5.2, 230V, 1~	100	0,18	230	1,5	5,2	-	-	-	-	185	23

The table below lists the article numbers for the GW10 motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW10-1.3, 400V, 3~	08B-2	12	1”	P.GW10.400.13.K100
GW10-1.3, 400V, 3~	10B-2	16	5/4”	P.GW10.400.13.K125
GW10-1.3, 400V, 3~	10B-2	16	2”	P.GW10.400.13.K200
GW10-2.6, 400V, 3~	08B-2	12	1”	P.GW10.400.26.K100
GW10-2.6, 400V, 3~	10B-2	16	5/4”	P.GW10.400.26.K125
GW10-2.6, 400V, 3~	10B-2	16	2”	P.GW10.400.26.K200
GW10-5.2, 400V, 3~	08B-2	12	1”	P.GW10.400.52.K100
GW10-5.2, 400V, 3~	10B-2	16	5/4”	P.GW10.400.52.K125
GW10-5.2, 400V, 3~	10B-2	16	2”	P.GW10.400.52.K200
GW10-1.3, 230V, 1~	08B-2	12	1”	P.GW10.230.13.K100
GW10-1.3, 230V, 1~	10B-2	16	5/4”	P.GW10.230.13.K125
GW10-1.3, 230V, 1~	10B-2	16	2”	P.GW10.230.13.K200
GW10-2.6, 230V, 1~	08B-2	12	1”	P.GW10.230.26.K100
GW10-2.6, 230V, 1~	10B-2	16	5/4”	P.GW10.230.26.K125
GW10-2.6, 230V, 1~	10B-2	16	2”	P.GW10.230.26.K200
GW10-5.2, 230V, 1~	08B-2	12	1”	P.GW10.230.52.K100
GW10-5.2, 230V, 1~	10B-2	16	5/4”	P.GW10.230.52.K125
GW10-5.2, 230V, 1~	10B-2	16	2”	P.GW10.230.52.K200

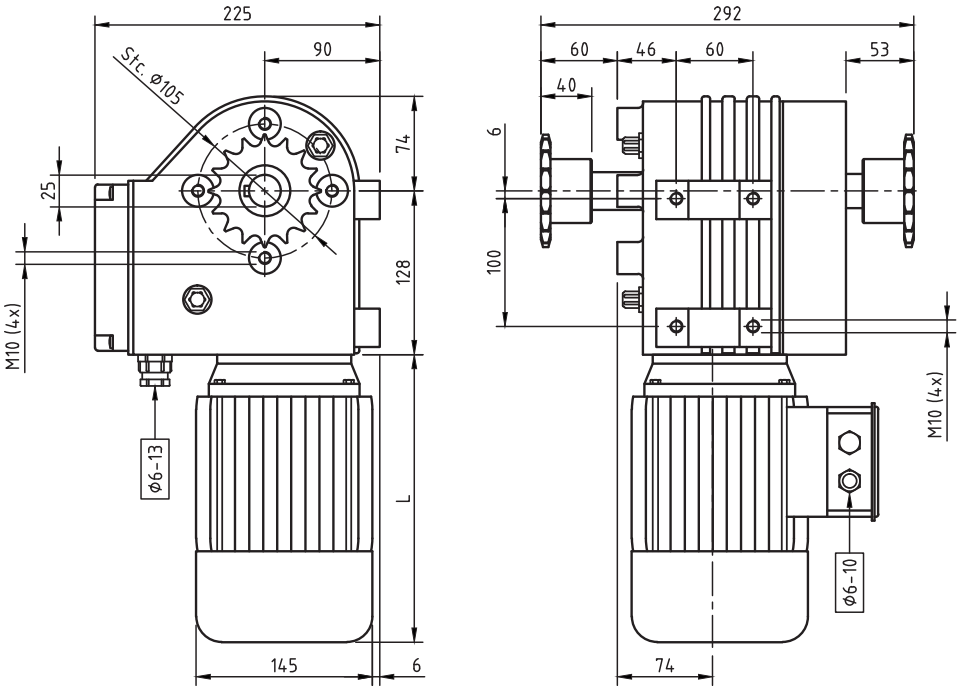
MOTOR GEARBOXES
GW30 CHAIN COUPLING



The GW30, with chain couplings on the driven shaft, has a number of applications, such as the hoisting of feeder or drink lines and the opening of vents.

As a standard the GW30 is fitted with a chain coupling set with a duplex chain according to DIN chain number 10B-2. The sprocket wheel joint is available for 1”, 5/4” or 2” drive tubes. Attachment of the motor gearbox is possible at the side or the base. The electric motor’s protection category is IP55, according to EN60529.

The GW30 can optionally be fitted with a tube-bolt chain coupling set for 1” or 5/4” drive tubes. Electric motors with different voltages and/or frequencies or a higher protection class, for instance tropic winding, are available on request.



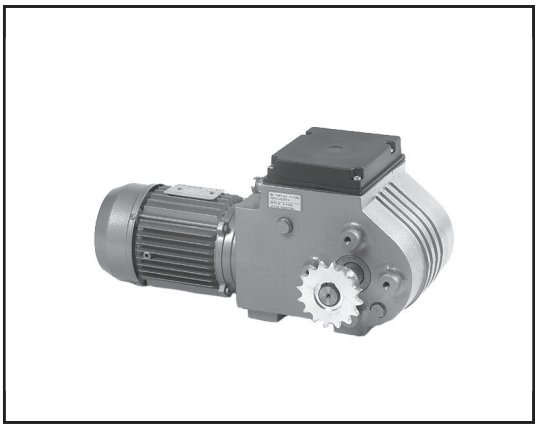
Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW30-1.3, 400V, 3~	300	0,18	230/400	1,2/0,7	1,3	0,21	255/440	1,2/0,7	1,6	185	23
GW30-2.6, 400V, 3~	300	0,25	230/400	1,5/0,8	2,6	0,31	255/440	1,5/0,8	3,1	220	25
GW30-5.2, 400V, 3~	300	0,37	230/400	1,7/1,0	5,2	0,45	255/440	1,7/1,0	6,3	220	28
GW30-1.3, 230V, 1~	300	0,37	230	3,2	1,3	-	-	-	-	220	25
GW30-2.6, 230V, 1~	300	0,37	230	3,2	2,6	-	-	-	-	220	28
GW30-5.2, 230V, 1~	300	0,55	230	4,5	5,2	-	-	-	-	220	28

The table below lists the article numbers for the GW30 motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW30-1.3, 400V, 3~	10B-2	16	1”	P.GW30.400.13.K100
GW30-1.3, 400V, 3~	10B-2	16	5/4”	P.GW30.400.13.K125
GW30-1.3, 400V, 3~	10B-2	16	2”	P.GW30.400.13.K200
GW30-2.6, 400V, 3~	10B-2	16	1”	P.GW30.400.26.K100
GW30-2.6, 400V, 3~	10B-2	16	5/4”	P.GW30.400.26.K125
GW30-2.6, 400V, 3~	10B-2	16	2”	P.GW30.400.26.K200
GW30-5.2, 400V, 3~	10B-2	16	1”	P.GW30.400.52.K100
GW30-5.2, 400V, 3~	10B-2	16	5/4”	P.GW30.400.52.K125
GW30-5.2, 400V, 3~	10B-2	16	2”	P.GW30.400.52.K200
GW30-1.3, 230V, 1~	10B-2	16	1”	P.GW30.230.13.K100
GW30-1.3, 230V, 1~	10B-2	16	5/4”	P.GW30.230.13.K125
GW30-1.3, 230V, 1~	10B-2	16	2”	P.GW30.230.13.K200
GW30-2.6, 230V, 1~	10B-2	16	1”	P.GW30.230.26.K100
GW30-2.6, 230V, 1~	10B-2	16	5/4”	P.GW30.230.26.K125
GW30-2.6, 230V, 1~	10B-2	16	2”	P.GW30.230.26.K200
GW30-5.2, 230V, 1~	10B-2	16	1”	P.GW30.230.52.K100
GW30-5.2, 230V, 1~	10B-2	16	5/4”	P.GW30.230.52.K125
GW30-5.2, 230V, 1~	10B-2	16	2”	P.GW30.230.52.K200

MOTOR GEARBOXES

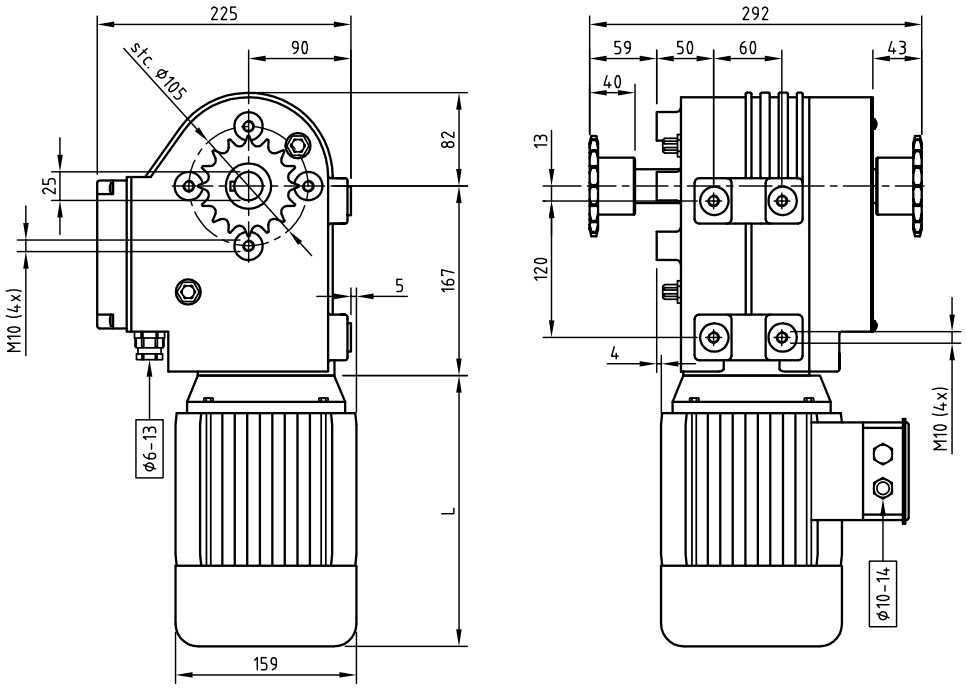
GW40 CHAIN COUPLING



The GW40, with chain couplings on the driven shaft, has a number of applications, such as the hoisting of feeder or drink lines and the opening of vents.

As a standard the GW40 is fitted with a chain coupling set with a duplex chain according to DIN chain number 10B-2. The sprocket wheel joint is available for 1", 5/4" or 2" drive tubes. Attachment of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

The GW40 can optionally be fitted with a tube-bolt chain coupling set for 1" or 5/4" drive tubes. Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



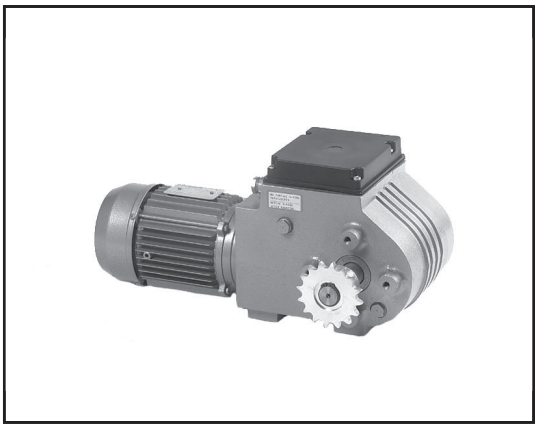
Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW40-1.3, 400V, 3~	400	0,25	230/400	1,5/0,8	1,3	0,31	255/440	1,5/0,8	1,6	220	28
GW40-2.6, 400V, 3~	400	0,37	230/400	1,7/1,0	2,6	0,44	255/440	1,7/1,0	3,1	220	30
GW40-5.2, 400V, 3~	400	0,55	230/400	2,6/1,5	5,2	0,65	255/440	2,6/1,5	6,3	220	30
GW40-1.3, 230V, 1~	400	0,37	230	3,2	1,3	-	-	-	-	220	28
GW40-2.6, 230V, 1~	400	0,55	230	4,8	2,6	-	-	-	-	238	33
GW40-5.2, 230V, 1~	400	0,75	230	6,0	5,2	-	-	-	-	238	34

The table below lists the article numbers for the GW40 motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW40-1.3, 400V, 3~	10B-2	16	1”	P.GW40.400.13.K100
GW40-1.3, 400V, 3~	10B-2	16	5/4”	P.GW40.400.13.K125
GW40-1.3, 400V, 3~	10B-2	16	2”	P.GW40.400.13.K200
GW40-2.6, 400V, 3~	10B-2	16	1”	P.GW40.400.26.K100
GW40-2.6, 400V, 3~	10B-2	16	5/4”	P.GW40.400.26.K125
GW40-2.6, 400V, 3~	10B-2	16	2”	P.GW40.400.26.K200
GW40-5.2, 400V, 3~	10B-2	16	1”	P.GW40.400.52.K100
GW40-5.2, 400V, 3~	10B-2	16	5/4”	P.GW40.400.52.K125
GW40-5.2, 400V, 3~	10B-2	16	2”	P.GW40.400.52.K200
GW40-1.3, 230V, 1~	10B-2	16	1”	P.GW40.230.13.K100
GW40-1.3, 230V, 1~	10B-2	16	5/4”	P.GW40.230.13.K125
GW40-1.3, 230V, 1~	10B-2	16	2”	P.GW40.230.13.K200
GW40-2.6, 230V, 1~	10B-2	16	1”	P.GW40.230.26.K100
GW40-2.6, 230V, 1~	10B-2	16	5/4”	P.GW40.230.26.K125
GW40-2.6, 230V, 1~	10B-2	16	2”	P.GW40.230.26.K200
GW40-5.2, 230V, 1~	10B-2	16	1”	P.GW40.230.52.K100
GW40-5.2, 230V, 1~	10B-2	16	5/4”	P.GW40.230.52.K125
GW40-5.2, 230V, 1~	10B-2	16	2”	P.GW40.230.52.K200

MOTOR GEARBOXES

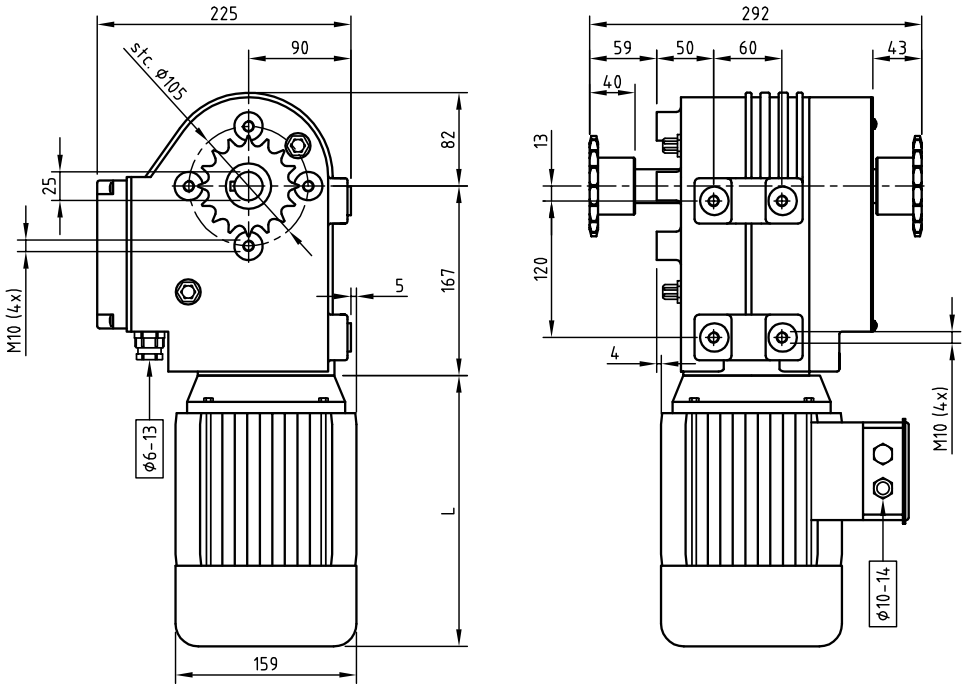
GW80 CHAIN COUPLING



The GW80, with chain couplings on the driven shaft, has a number of applications, such as the hoisting of feeder or drink lines and the opening of vents.

As a standard the GW80 is fitted with a chain coupling set with a duplex chain according to DIN chain number 10B-2. The sprocket wheel joint is available for 1", 5/4" or 2" drive tubes. Attachment of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

The GW80 can optionally be fitted with a tube-bolt chain coupling set for 1" or 5/4" drive tubes. Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.

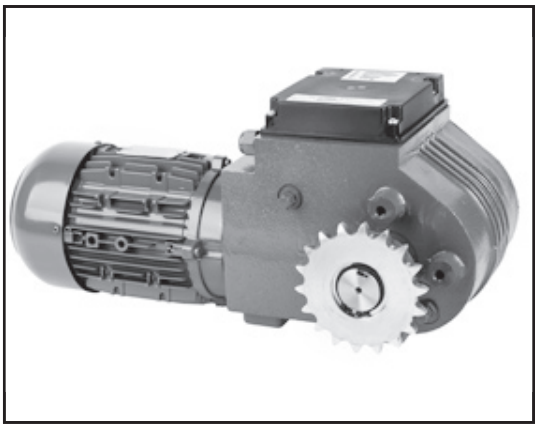


Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW80-1.3, 400V, 3~	800	0,37	230/400	1,7/1,0	1,3	0,44	255/440	1,7/1,0	1,6	220	30
GW80-2.6, 400V, 3~	800	0,75	230/400	3,5/2,0	2,6	0,90	255/440	3,5/2,0	3,1	238	34
GW80-4.0, 400V, 3~	800	0,75	230/400	3,5/2,0	4,0	0,90	255/440	3,4/2,0	4,8	238	39

The table below lists the article numbers for the GW80 motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW80-1.3, 400V, 3~	10B-2	16	1”	P.GW80.400.13.K100
GW80-1.3, 400V, 3~	10B-2	16	5/4”	P.GW80.400.13.K125
GW80-1.3, 400V, 3~	10B-2	16	2”	P.GW80.400.13.K200
GW80-2.6, 400V, 3~	10B-2	16	1”	P.GW80.400.26.K100
GW80-2.6, 400V, 3~	10B-2	16	5/4”	P.GW80.400.26.K125
GW80-2.6, 400V, 3~	10B-2	16	2”	P.GW80.400.26.K200
GW80-4.0, 400V, 3~	10B-2	16	1”	P.GW80.400.40.K100
GW80-4.0, 400V, 3~	10B-2	16	5/4”	P.GW80.400.40 K125
GW80-4.0, 400V, 3~	10B-2	16	2”	P.GW80.400.40.K200

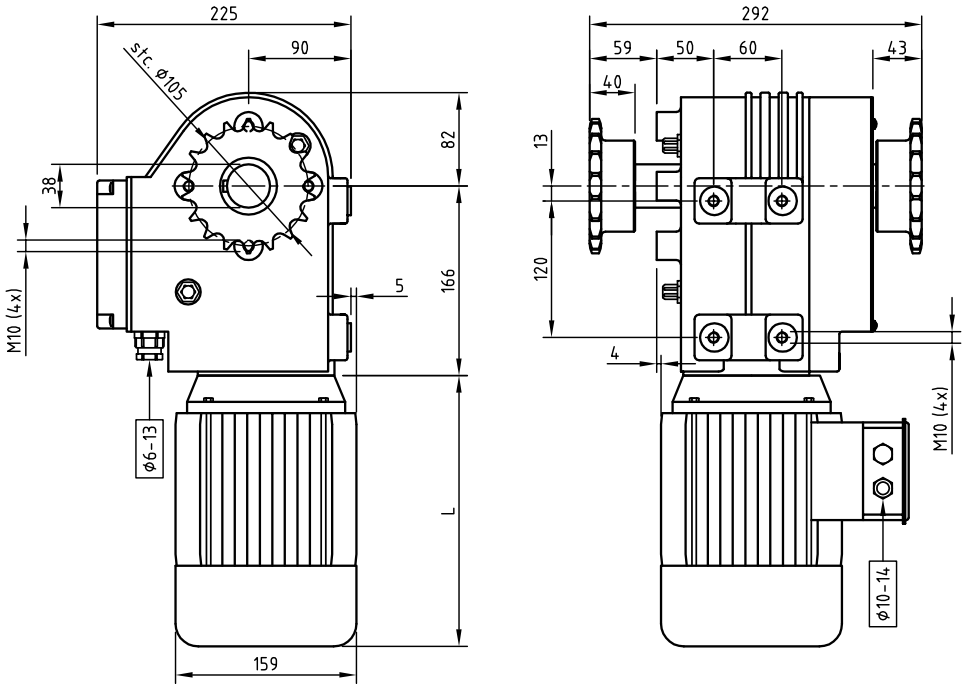
GW100 CHAIN COUPLING



The GW100, with chain couplings on the driven shaft, has a number of applications, such as the hoisting of feeder or drink lines and the opening of vents.

As a standard the GW100 is fitted with a chain coupling set with a duplex chain according to DIN chain number 12B-2. The sprocket wheel joint is available for 5/4" or 2" drive tubes. Attachment of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW100-2.6, 400V, 3~	1000	0,75	230/400	3,8/2,2	2,6	0,90	255/440	3,8/2,2	3,1	238	39

The table below lists the article numbers for the GW100 motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW100-2.6, 400V, 3~	12B-2	18	5/4”	P.GW100.400.26.K125
GW100-2.6, 400V, 3~	12B-2	18	2”	P.GW100.400.26.K200

Motor gearboxes for curtain systems

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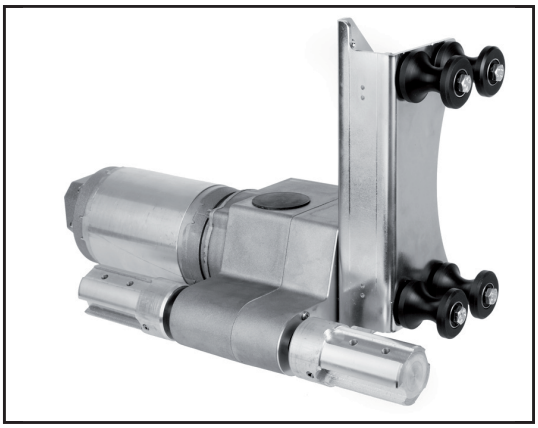
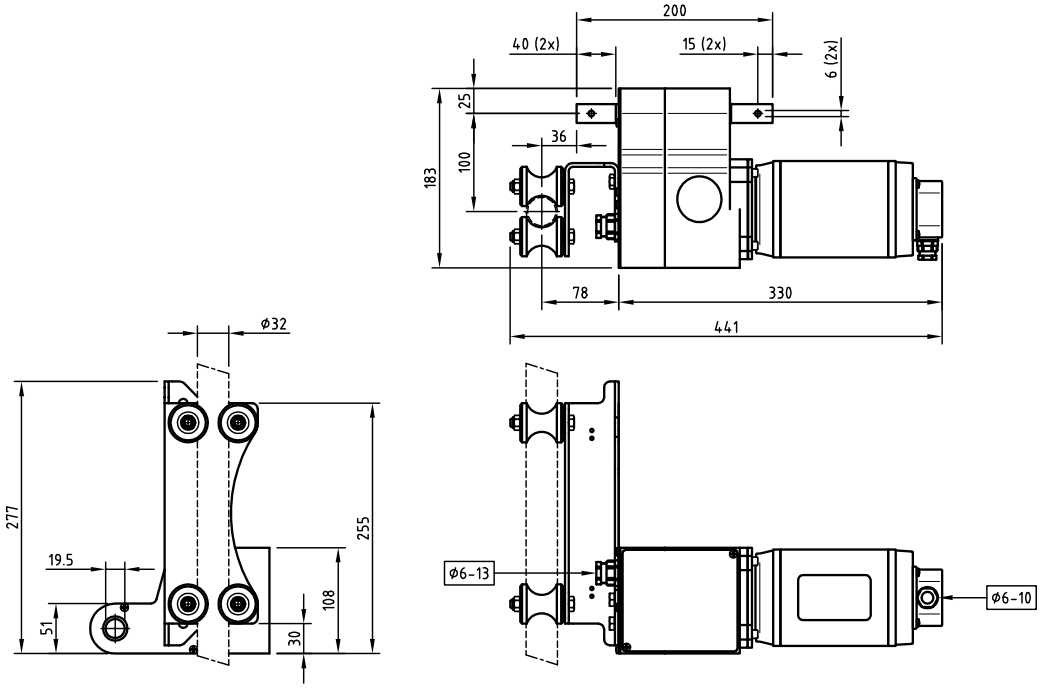
Version 1 November 2012



The GXP10 coupling piece has a number of applications, such as roll screen systems and side ventilation systems.

The GXP10 has a double drive shaft of Ø19.5 mm and can be attached to a roll tube of Ø32 mm or Ø50 mm by means of a coupling. A Ø32 mm tube can guide the system.

The standard execution is with couplings for Ø50 mm tube and with guidance for Ø32 mm tube.



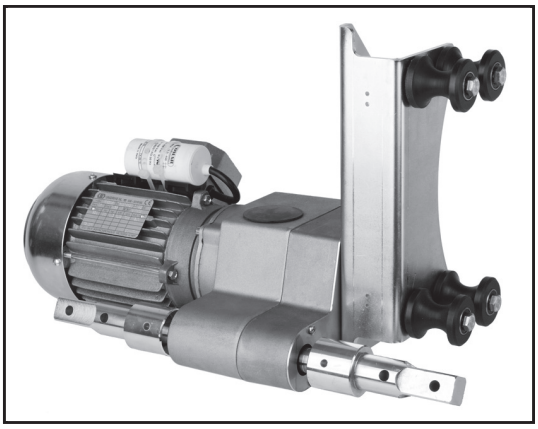
Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	m [kg]
GXP10-4.0, 400V, 3~	100	0,18	230/400	1,2/0,7	4,0	0,22	255/440	1,2/0,7	4,8	10,5

The table below lists the article numbers of the GXP10 motor gearboxes, depending on the roll-tube dimension.

Description	Roll-up tube	Article number coupling	Article number
GXP10-4.0, 400V, 3~	-	-	P.GXP10.400.40.KBS
GXP10-4.0, 400V, 3~	Ø32x1.5	P.KBS32.01.D19	P.GXP10.400.40.KBS32
GXP10-4.0, 400V, 3~	Ø50 single track	P.KBS50.01.D19	P.GXP10.400.40.KBS50
GXP10-4.0, 400V, 3~	Ø50 double track	P.KBS50.02.D19	P.GXP10.400.40.KBS50.02

The default GXP10-4.0, 400V 3 phase motor gearboxes are equipped with special tube-type electric motors, as shown on the photo. These tube-motors lack cooling ribs which gives them the advantage that a Ø50 roll-up tube can be lowered completely to the floor. Other versions e.g. single phase motors or motors with tropical isolated windings have normal electric motors with cooling ribs.

GXP10 COUPLING PIECE T

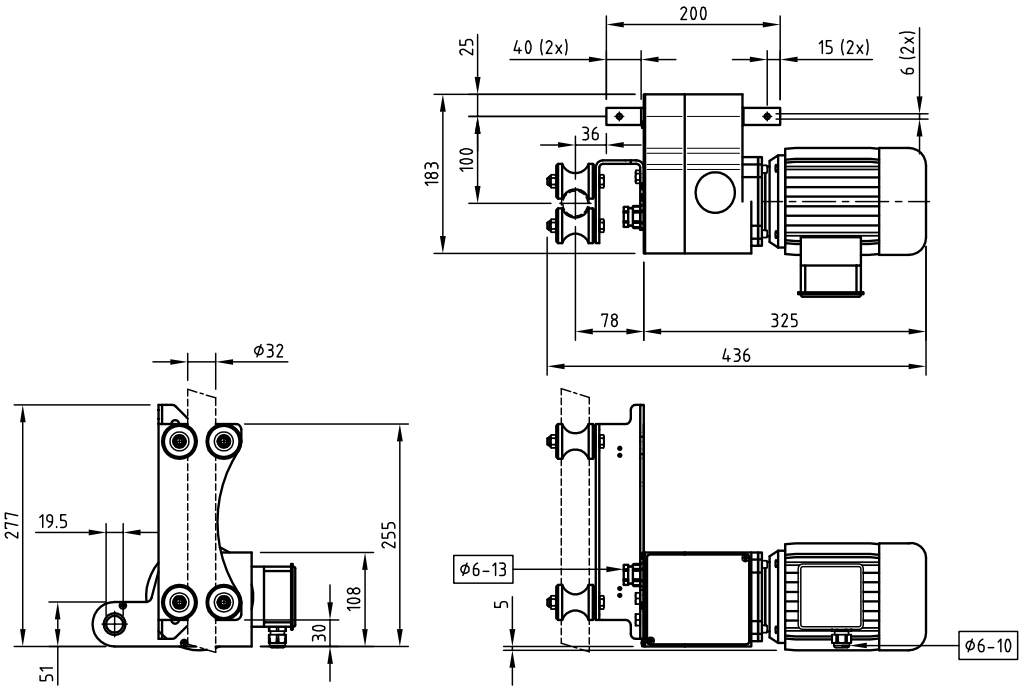


The GXP10 coupling piece T has a number of applications, such as roll screen systems and side roll ventilation systems. The “T” version is better suited to humid environments.

The GXP10 has a double drive shaft of Ø19.5 mm and can be attached to a roll tube of Ø32 mm or Ø50 mm by means of a coupling. A Ø32 mm tube can guide the system. The electric motor protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies are available on request.

Standard executed with couplings for Ø50 mm tube and with guidance for Ø32 mm tube.



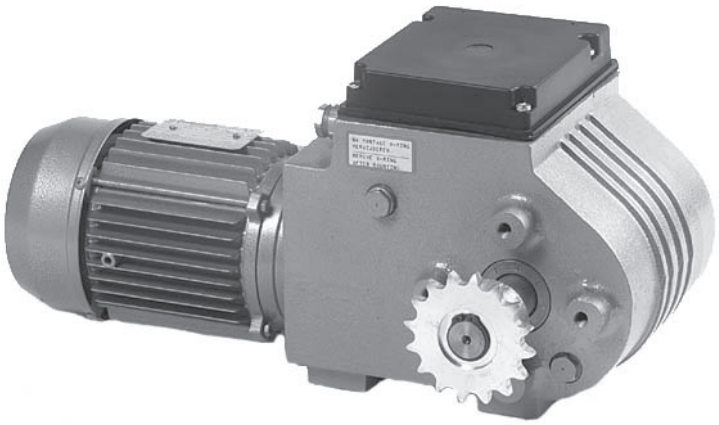
Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	m [kg]
GXP10-4.0, 400V, 3~	100	0,18	230/400	1,2/0,7	4,0	0,22	255/440	1,2/0,7	4,8	11,0
GXP10-4.0, 230V, 1~	100	0,22	230	3,1/1,8	4,0	0,26	255/440	3,1/1,8	4,8	11,0

The table below lists the article numbers of the GXP10 motor gearboxes, depending on the roll-tube dimension.

Description	Roll-up tube	Article number coupling	Article number
GXP10-4.0, 400V, 3~ tropical winding	-	-	P.GXP10.400.40.KBS.T
GXP10-4.0, 400V, 3~ tropical winding	Ø32x1.5	P.KBS32.01.D19	P.GXP10.400.40.KBS32.T
GXP10-4.0, 400V, 3~ tropical winding	Ø50 single track	P.KBS50.01.D19	P.GXP10.400.40.KBS50.T
GXP10-4.0, 230V, 1~ tropical winding	-	-	P.GXP10.230.40.KBS.T
GXP10-4.0, 230V, 1~ tropical winding	Ø32x1.5	P.KBS32.01.D19	P.GXP10.230.40.KBS32.T
GXP10-4.0, 230V, 1~ tropical winding	Ø50 single track	P.KBS50.01.D19	P.GXP10.230.40.KBS50.T

Electric motors with tropical winding are adjusted to operating in high humidity surroundings.

Motor gearboxes for hoisting systems



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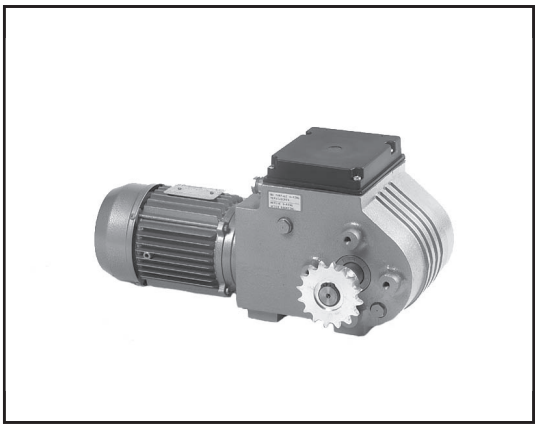
Version 1 November 2012

MOTOR GEARBOXES

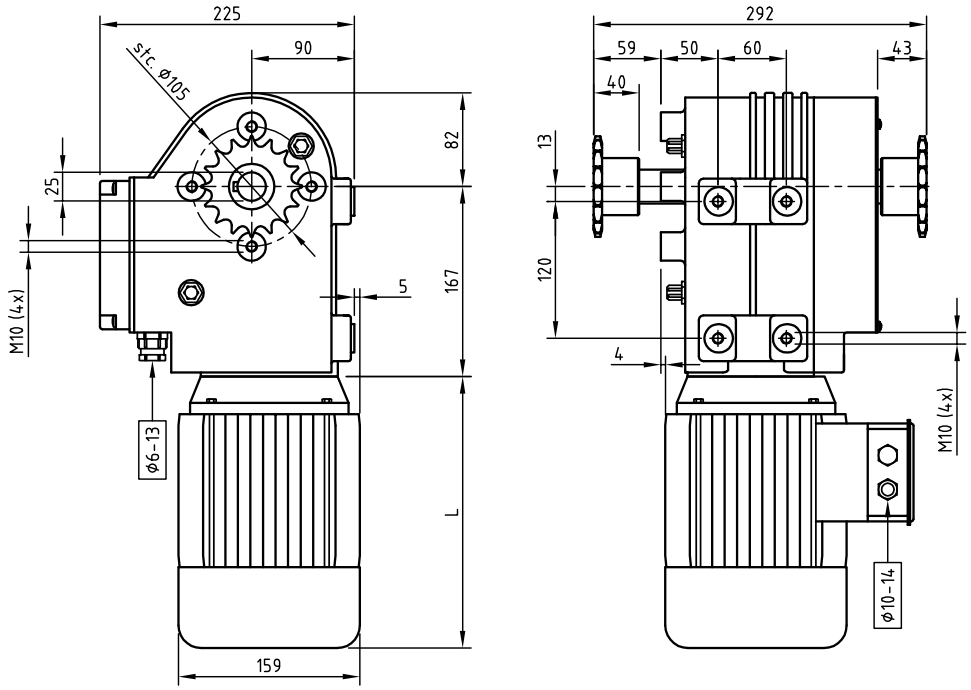
GW40HB CHAIN COUPLING



The GW40HB, with chain couplings on the driven shaft, has a number of applications, such as hoisting heating units and feed- and drink lines.

As a standard the motor gearboxes for hoisting are fitted with a chain coupling set with a duplex chain. The sprocket wheel joint is available for 1", 5/4" or 2" drive tubes. Attachment of the motor gearbox is possible at the side or base.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW40HB-2.6, 400V, 3~	400	0,37	230/400	1,9/1,1	2,6	0,90	255/440	1,9/1,1	3,1	255	32

The table below lists the article numbers for the GW40HB motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

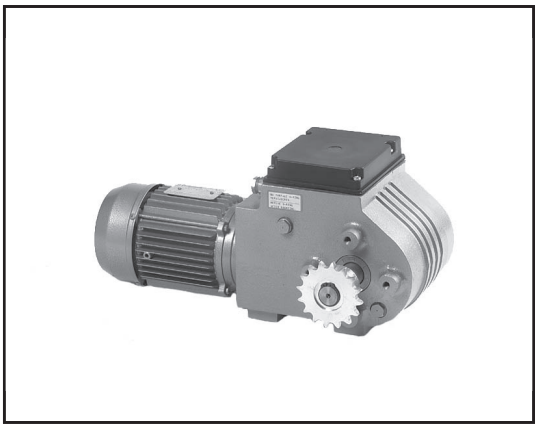
Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW40HB-2.6, 400V, 3~	10B-2	16	1”	P.GW40HB.400.26.K100
GW40HB-2.6, 400V, 3~	10B-2	16	5/4”	P.GW40HB.400.26.K125
GW40HB-2.6, 400V, 3~	10B-2	16	2”	P.GW40HB.400.26.K200

Hoisting Systems Safety

It is not allowed for people to be present in the danger zone underneath the hoisted load. Take in account all local safety standards and guidelines. Don’t use the drive systems for hoisting loads in areas where people might be present. When higher safety levels are required, for instance for hoisting heating systems or feed- and drink lines, these drive systems should not be used without a fall protection device.

MOTOR GEARBOXES

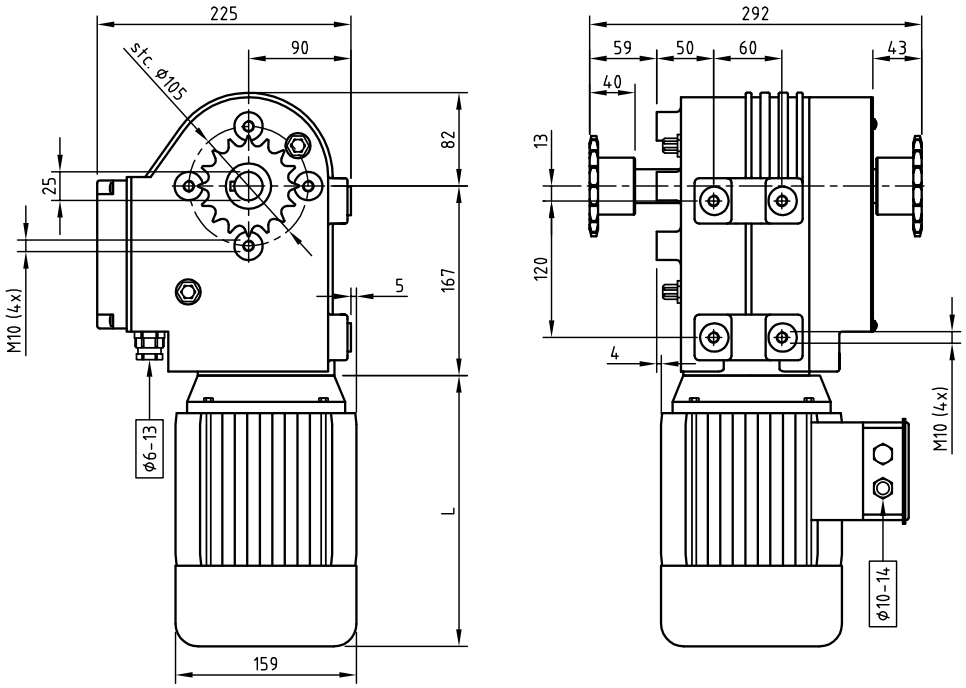
GW80HB CHAIN COUPLING



The GW80HB, with chain couplings on the driven shaft, has a number of applications, such as hoisting heating units and feed- and drink lines.

As a standard the motor gearboxes for hoisting are fitted with a chain coupling set with a duplex chain. The sprocket wheel joint is available for 1", 5/4" or 2" drive tubes. Attachment of the motor gearbox is possible at the side or base.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW80HB-2.6, 400V, 3~	800	0,75	230/400	3,5/2,0	2,6	0,90	255/440	3,5/2,0	3,1	296	37

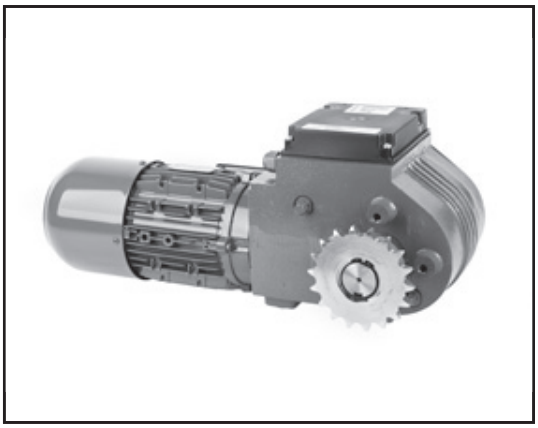
The table below lists the article numbers for the GW80HB motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW80HB-2.6, 400V, 3~	10B-2	16	1”	P.GW80HB.400.26.K100
GW80HB-2.6, 400V, 3~	10B-2	16	5/4”	P.GW80HB.400.26.K125
GW80HB-2.6, 400V, 3~	10B-2	16	2”	P.GW80HB.400.26.K200

Hoisting Systems Safety

It is not allowed for people to be present in the danger zone underneath the hoisted load. Take in account all local safety standards and guidelines. Don’t use the drive systems for hoisting loads in areas where people might be present. When higher safety levels are required, for instance for hoisting heating systems or feed- and drink lines, these drive systems should not be used without a fall protection device.

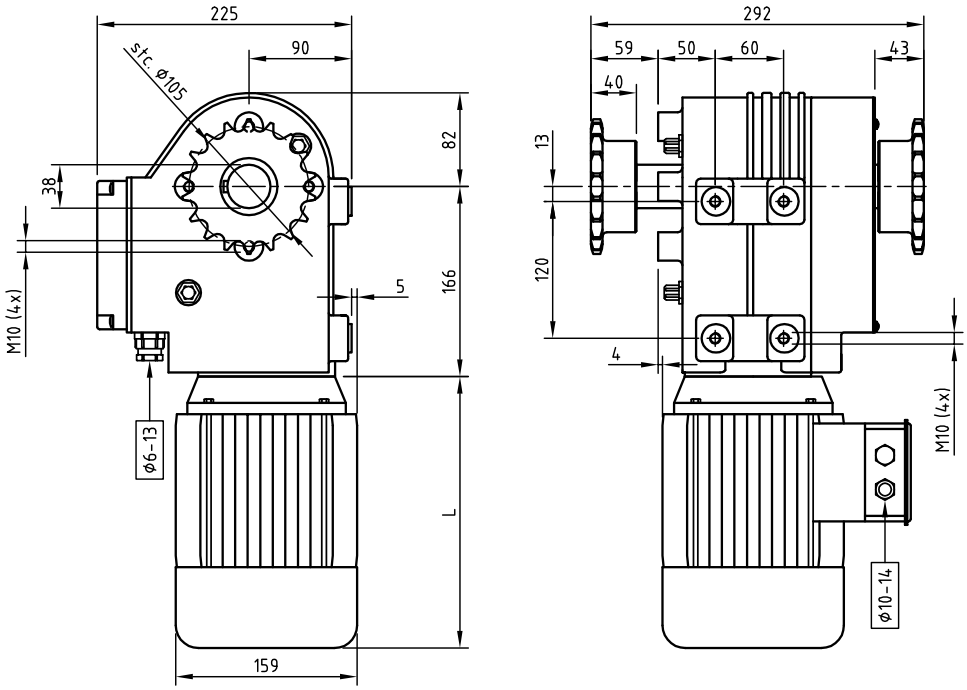
GW100HB CHAIN COUPLING



The GW100HB, with chain couplings on the driven shaft, has a number of applications, such as hoisting heating tubes and feed- and drink lines.

As a standard the GW100HB is fitted with a chain coupling set with a duplex chain according to DIN chain number 12B-2. The sprocket wheel joint is available for 5/4" or 2" drive tubes. Attachment of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	T [Nm]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW100HB-2.6, 400V, 3~	1000	0,75	230/400	3,8/2,2	2,6	0,90	255/440	3,8/2,2	3,1	296	38

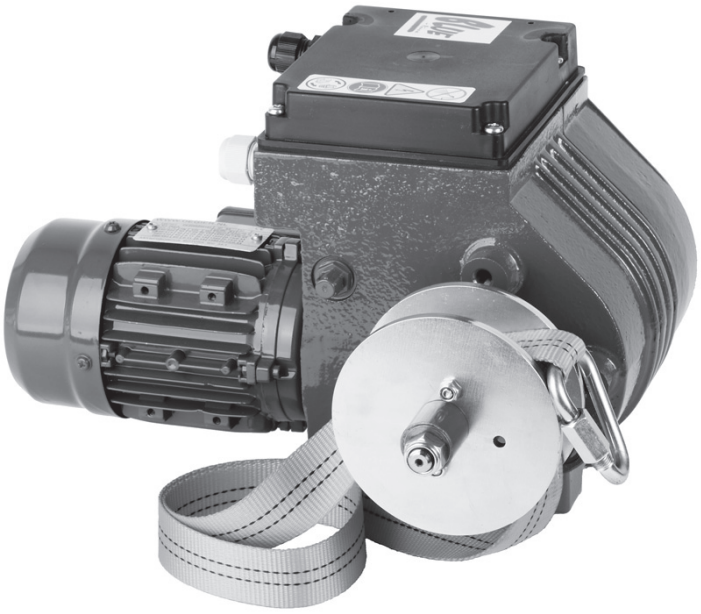
The table below lists the article numbers for the GW100HB motor gearboxes, depending on the drive tube and the chain coupling set, including the chain and the sprocket wheel joint, supplied as standard.

Description	DIN chain number	Number of teeth on sprocket wheel	Drive tube	Article number
GW100HB-2.6, 400V, 3~	12B-2	18	5/4”	P.GW100HB.400.26.K125
GW100HB-2.6, 400V, 3~	12B-2	18	2”	P.GW100HB.400.26.K200

Hoisting Systems Safety

It is not allowed for people to be present in the danger zone underneath the hoisted load. Take in account all local safety standards and guidelines. Don’t use the drive systems for hoisting loads in areas where people might be present. When higher safety levels are required, for instance for hoisting heating systems or feed- and drink lines, these drive systems should not be used without a fall protection device.

Motor gearboxes with winch drum



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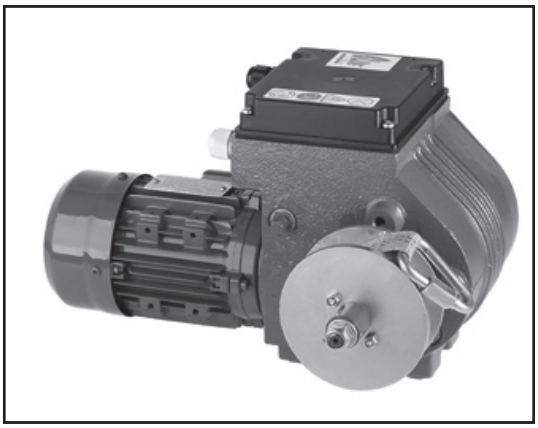
Version 1 November 2012

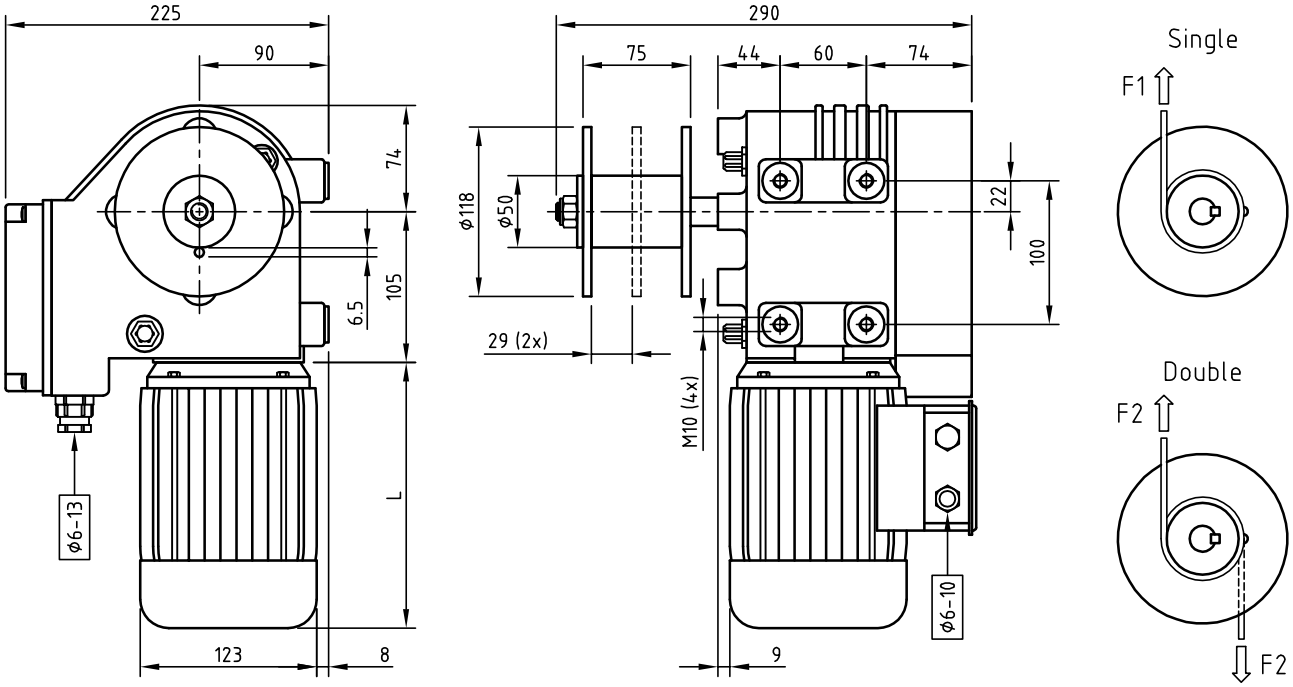
MOTOR GEARBOXES
GW10 WINCH DRUM



The GW10 with a winch drum on the driven shaft has various applications, such as the hoisting of feeder lines and the opening of vents.

As a standard the GW10 is fitted with a single or double cable winch drum (diameter 50 mm). As an alternative the GW10 can be equipped with a belt drum (diameter 50 mm), with a single or double belt. Attachement of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW10-1.3, 400V, 3~	0,09	230/400	0,9/0,5	1,3	0,10	255/440	0,9/0,5	1,6	185	23
GW10-2.6, 400V, 3~	0,09	230/400	0,7/0,4	2,6	0,10	255/440	0,7/0,4	3,1	168	23
GW10-5.2, 400V, 3~	0,18	230/400	1,0/0,6	5,2	0,21	255/440	1,0/0,6	6,3	185	25
GW10-1.3, 230V, 1~	0,09	230	1,2	1,3	-	-	-	-	185	23
GW10-2.6, 230V, 1~	0,18	230	1,6	2,6	-	-	-	-	185	25
GW10-5.2, 230V, 1~	0,18	230	1,5	5,2	-	-	-	-	185	25

The table below lists the article numbers of the GW10 motor gearboxes, depending on the type of winch drum.

As a standard the GW10 with belt drum is supplied with one belt of 1 meter or 2 meter length complete with link. Other belt lengths can be supplied on demand. The effective stroke of a belt with a length of 1 meter is 0.5 meter. The effective stroke of a belt with a length of 2 meter is 1.5 meter.

Description	Winch drum	Force F1 [N]	Force F2 [N]	Article number
GW10-1.3, 400V, 3~	Single	1000	-	P.GW10.400.13.L1
GW10-1.3, 400V, 3~	Double	-	1500	P.GW10.400.13.L2
GW10-1.3, 400V, 3~	Single belt drum 1 m	1000	(1000)	P.GW10.400.13.L3
GW10-1.3, 400V, 3~	Single belt drum 2 m	1000	(800)	P.GW10.400.13.L4
GW10-2.6, 400V, 3~	Single	1000	-	P.GW10.400.26.L1
GW10-2.6, 400V, 3~	Double	-	1500	P.GW10.400.26.L2
GW10-2.6, 400V, 3~	Single belt drum 1 m	1000	(1000)	P.GW10.400.26.L3
GW10-2.6, 400V, 3~	Single belt drum 2 m	1000	(800)	P.GW10.400.26.L4
GW10-5.2, 400V, 3~	Single	1000	-	P.GW10.400.52.L1
GW10-5.2, 400V, 3~	Double	-	1500	P.GW10.400.52.L2
GW10-5.2, 400V, 3~	Single belt drum 1 m	1000	(1000)	P.GW10.400.52.L3
GW10-5.2, 400V, 3~	Single belt drum 2 m	1000	(800)	P.GW10.400.52.L4
GW10-1.3, 230V, 1~	Single	1000	-	P.GW10.230.13.L1
GW10-1.3, 230V, 1~	Double	-	1500	P.GW10.230.13.L2
GW10-1.3, 230V, 1~	Single belt drum 1 m	1000	(1000)	P.GW10.230.13.L3
GW10-1.3, 230V, 1~	Single belt drum 2 m	1000	(800)	P.GW10.230.13.L4
GW10-2.6, 230V, 1~	Single	1000	-	P.GW10.230.26.L1
GW10-2.6, 230V, 1~	Double	-	1500	P.GW10.230.26.L2
GW10-2.6, 230V, 1~	Single belt drum 1 m	1000	(1000)	P.GW10.230.26.L3
GW10-2.6, 230V, 1~	Single belt drum 2 m	1000	(800)	P.GW10.230.26.L4
GW10-5.2, 230V, 1~	Single	1000	-	P.GW10.230.52.L1
GW10-5.2, 230V, 1~	Double	-	1500	P.GW10.230.52.L2
GW10-5.2, 230V, 1~	Single belt drum 1 m	1000	(1000)	P.GW10.230.52.L3
GW10-5.2, 230V, 1~	Single belt drum 2 m	1000	(800)	P.GW10.230.52.L4

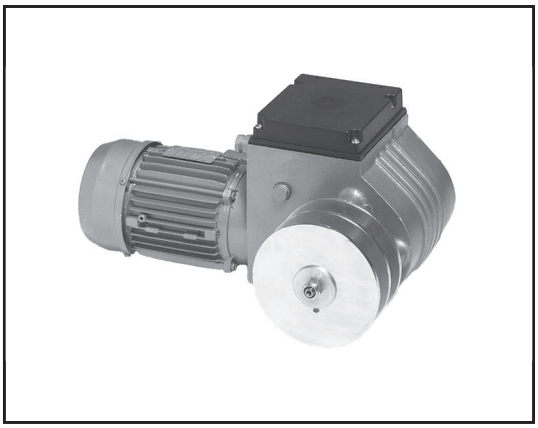
The value between brackets is the maximum force for each belt in the case of a double belt drum.

Article code for a seperate belt L = 1 meter with link for double belt drum: P.LBD.35.1000K
Article code for a seperate belt L = 2 meter with link for double belt drum: P.LBD.35.2000K

Safety

Before putting force on steel cables they should be wound around the drum at least three times.
Before putting force on belts they should be wound around the drum at least two times.

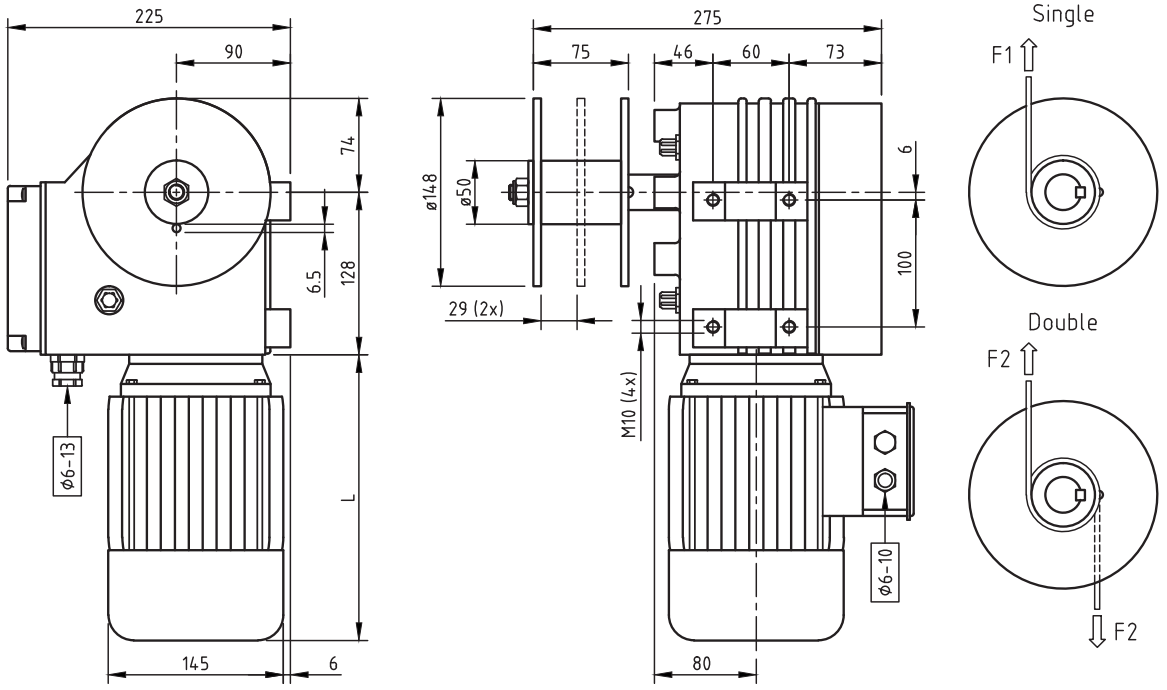
MOTOR GEARBOXES
GW30 WINCH DRUM



The GW30 with a winch drum on the driven shaft has various applications, such as the hoisting of feeder lines and the opening of vents.

As a standard the GW30 is fitted with a single or double cable winch drum (diameter 50 mm). As an alternative the GW30 can be equipped with a belt drum (diameter 55 mm), with a single or double belt. Attachement of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW30-1.3, 400V, 3~	0,18	230/400	1,2/0,7	1,3	0,21	255/440	1,2/0,7	1,6	185	25
GW30-2.6, 400V, 3~	0,25	230/400	1,5/0,8	2,6	0,31	255/440	1,5/0,8	3,1	220	27
GW30-5.2, 400V, 3~	0,37	230/400	1,7/1,0	5,2	0,45	255/440	1,7/1,0	6,3	220	30
GW30-1.3, 230V, 1~	0,37	230	3,2	1,3	-	-	-	-	220	27
GW30-2.6, 230V, 1~	0,37	230	3,2	2,6	-	-	-	-	220	30
GW30-5.2, 230V, 1~	0,55	230	4,5	5,2	-	-	-	-	220	30

The table below lists the article numbers of the GW30 motor gearboxes, depending on the type of winch drum.

As a standard the GW30 with belt drum is supplied with one belt of 1 meter or 2 meter length complete with link. Other belt lengths can be supplied on demand. The effective stroke of a belt with a length of 1 meter is 0.5 meter. The effective stroke of a belt with a length of 2 meter is 1.5 meter.

Description	Winch drum	Force F1 [N]	Force F2 [N]	Article number
GW30-1.3, 400V, 3~	Single	4000	-	P.GW30.400.13.L1
GW30-1.3, 400V, 3~	Double	-	5400	P.GW30.400.13.L2
GW30-1.3, 400V, 3~	Single belt drum 1 m	4000	(2800)	P.GW30.400.13.L3
GW30-1.3, 400V, 3~	Single belt drum 2 m	3900	(2300)	P.GW30.400.13.L4
GW30-2.6, 400V, 3~	Single	4000	-	P.GW30.400.26.L1
GW30-2.6, 400V, 3~	Double	-	5400	P.GW30.400.26.L2
GW30-2.6, 400V, 3~	Single belt drum 1 m	4000	(2800)	P.GW30.400.26.L3
GW30-2.6, 400V, 3~	Single belt drum 2 m	3900	(2300)	P.GW30.400.26.L4
GW30-5.2, 400V, 3~	Single	4000	-	P.GW30.400.52.L1
GW30-5.2, 400V, 3~	Double	-	5400	P.GW30.400.52.L2
GW30-5.2, 400V, 3~	Single belt drum 1 m	4000	(2800)	P.GW30.400.52.L3
GW30-5.2, 400V, 3~	Single belt drum 2 m	3900	(2300)	P.GW30.400.52.L4
GW30-1.3, 230V, 1~	Single	4000	-	P.GW30.230.13.L1
GW30-1.3, 230V, 1~	Double	-	5400	P.GW30.230.13.L2
GW30-1.3, 230V, 1~	Single belt drum 1 m	4000	(2800)	P.GW30.230.13.L3
GW30-1.3, 230V, 1~	Single belt drum 2 m	3900	(2300)	P.GW30.230.13.L4
GW30-2.6, 230V, 1~	Single	4000	-	P.GW30.230.26.L1
GW30-2.6, 230V, 1~	Double	-	5400	P.GW30.230.26.L2
GW30-2.6, 230V, 1~	Single belt drum 1 m	4000	(2800)	P.GW30.230.26.L3
GW30-2.6, 230V, 1~	Single belt drum 2 m	3900	(2300)	P.GW30.230.26.L4
GW30-5.2, 230V, 1~	Single	4000	-	P.GW30.230.52.L1
GW30-5.2, 230V, 1~	Double	-	5400	P.GW30.230.52.L2
GW30-5.2, 230V, 1~	Single belt drum 1 m	4000	(2800)	P.GW30.230.52.L3
GW30-5.2, 230V, 1~	Single belt drum 2 m	3900	(2300)	P.GW30.230.52.L4

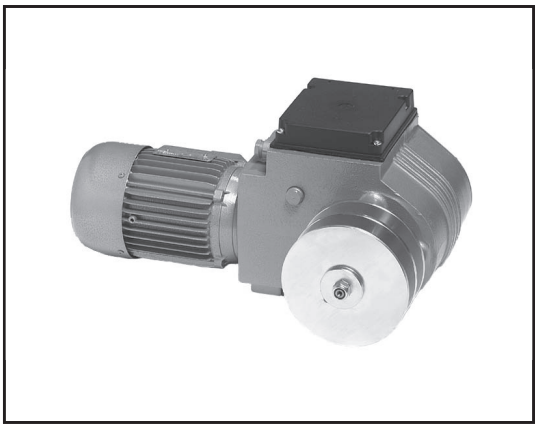
The value between brackets is the maximum force for each belt in the case of a double belt drum.

Article code for a seperate belt L = 1 meter with link for double belt drum: P.LBD.35.1000K
Article code for a seperate belt L = 2 meter with link for double belt drum: P.LBD.35.2000K

Safety

Before putting force on steel cables they should be wound around the drum at least three times.
Before putting force on belts they should be wound around the drum at least two times.

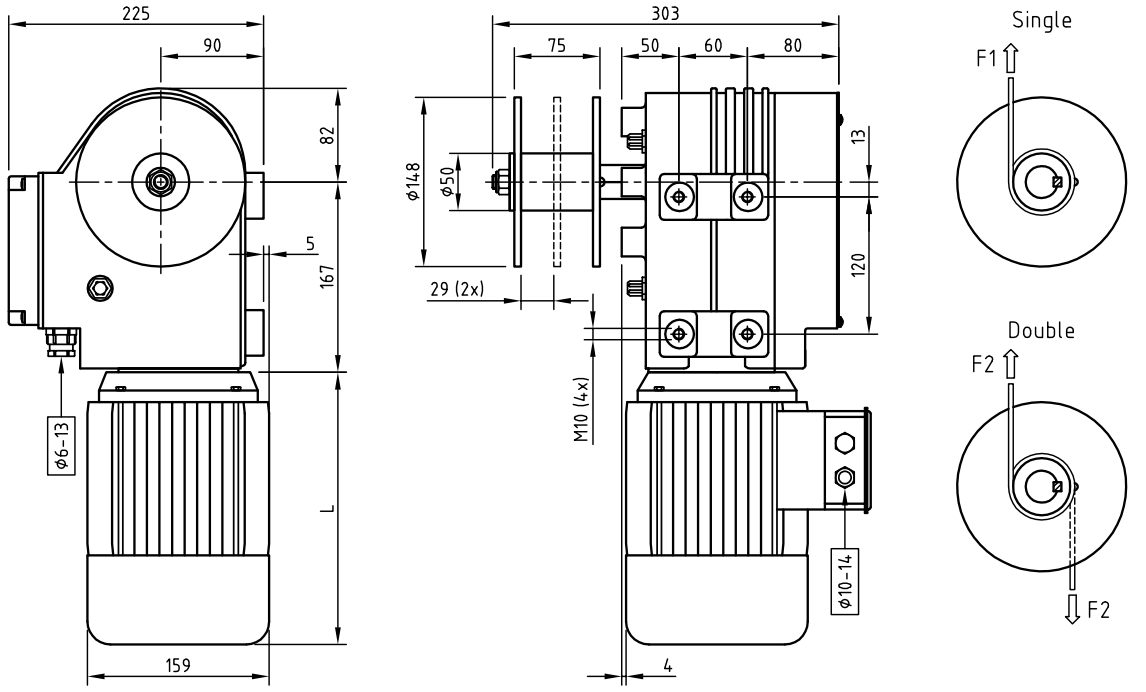
MOTOR GEARBOXES
GW40 WINCH DRUM



The GW40 with a winch drum on the driven shaft has various applications, such as the hoisting of feeder lines and the opening of vents.

As a standard the GW40 is fitted with a single or double cable winch drum (diameter 50 mm). As an alternative the GW40 can be equipped with a belt drum (diameter 55 mm), with a single or double belt. Attachement of the motor gearbox is possible at the side or base. The electric motor's protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz n [rpm]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz n [rpm]	L [mm]	m [kg]
GW40-1.3, 400V, 3~	0,25	230/400	1,5/0,8	1,3	0,31	255/440	1,5/0,8	1,6	220	30
GW40-2.6, 400V, 3~	0,37	230/400	1,7-1,0	2,6	0,44	255/440	1,7-1,0	3,1	220	32
GW40-5.2, 400V, 3~	0,55	230/400	2,6/1,5	5,2	0,65	255/440	2,6/1,5	6,3	220	30
GW40-1.3, 230V, 1~	0,37	230	3,2	1,3	-	-	-	-	220	30
GW40-2.6, 230V, 1~	0,55	230	4,8	2,6	-	-	-	-	238	35
GW40-5.2, 230V, 1~	0,75	230	6,0	5,2	-	-	-	-	238	36

The table below lists the article numbers of the GW40 motor gearboxes, depending on the type of winch drum.

As a standard the GW40 with belt drum is supplied with one belt of 1 meter or 2 meter length complete with link. Other belt lengths can be supplied on demand. The effective stroke of a belt with a length of 1 meter is 0.5 meter. The effective stroke of a belt with a length of 2 meter is 1.5 meter.

Description	Winch drum	Force F1 [N]	Force F2 [N]	Article number
GW40-1.3, 400V, 3~	Single	4000	-	P.GW40.400.13.L1
GW40-1.3, 400V, 3~	Double	-	6500	P.GW40.400.13.L2
GW40-1.3, 400V, 3~	Single belt drum 1 m	4000	(3750)	P.GW40.400.13.L3
GW40-1.3, 400V, 3~	Single belt drum 2 m	3900	(3150)	P.GW40.400.13.L4
GW40-2.6, 400V, 3~	Single	4000	-	P.GW40.400.26.L1
GW40-2.6, 400V, 3~	Double	-	6500	P.GW40.400.26.L2
GW40-2.6, 400V, 3~	Single belt drum 1 m	4000	(3750)	P.GW40.400.26.L3
GW40-2.6, 400V, 3~	Single belt drum 2 m	3900	(3100)	P.GW40.400.26.L4
GW40-5.2, 400V, 3~	Single	4000	-	P.GW40.400.52.L1
GW40-5.2, 400V, 3~	Double	-	6500	P.GW40.400.52.L2
GW40-5.2, 400V, 3~	Single belt drum 1 m	4000	(3750)	P.GW40.400.52.L3
GW40-5.2, 400V, 3~	Single belt drum 2 m	3900	(3100)	P.GW40.400.52.L4
GW40-1.3, 230V, 1~	Single	4000	-	P.GW40.230.13.L1
GW40-1.3, 230V, 1~	Double	-	6500	P.GW40.230.13.L2
GW40-1.3, 230V, 1~	Single belt drum 1 m	4000	(3750)	P.GW40.230.13.L3
GW40-1.3, 230V, 1~	Single belt drum 2 m	3900	(3100)	P.GW40.230.13.L4
GW40-2.6, 230V, 1~	Single	4000	-	P.GW40.230.26.L1
GW40-2.6, 230V, 1~	Double	-	6500	P.GW40.230.26.L2
GW40-2.6, 230V, 1~	Single belt drum 1 m	4000	(3750)	P.GW40.230.26.L3
GW40-2.6, 230V, 1~	Single belt drum 2 m	3900	(3100)	P.GW40.230.26.L4
GW40-5.2, 230V, 1~	Single	4000	-	P.GW40.230.52.L1
GW40-5.2, 230V, 1~	Double	-	6500	P.GW40.230.52.L2
GW40-5.2, 230V, 1~	Single belt drum 1 m	4000	(3750)	P.GW40.230.52.L3
GW40-5.2, 230V, 1~	Single belt drum 2 m	3900	(3100)	P.GW40.230.52.L4

The value between brackets is the maximum force for each belt in the case of a double belt drum.

Article code for a seperate belt L = 1 meter with link for double belt drum: P.LBD.35.1000K
Article code for a seperate belt L = 2 meter with link for double belt drum: P.LBD.35.2000K

Safety

Before putting force on steel cables they should be wound around the drum at least three times.
Before putting force on belts they should be wound around the drum at least two times.

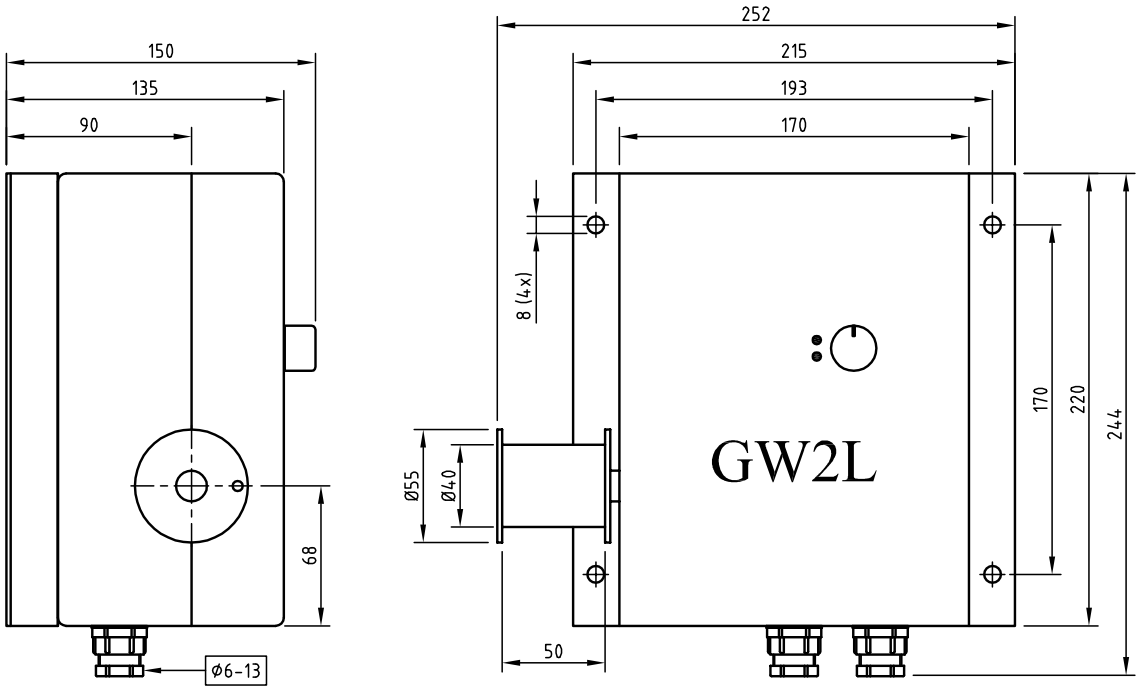
MOTOR GEARBOXES

GW 2 L WINCHMOTOR

The GW 2 L is a compact winchmotor with an integrated control. It was specially designed to drive air inlet valves in livestock stables.

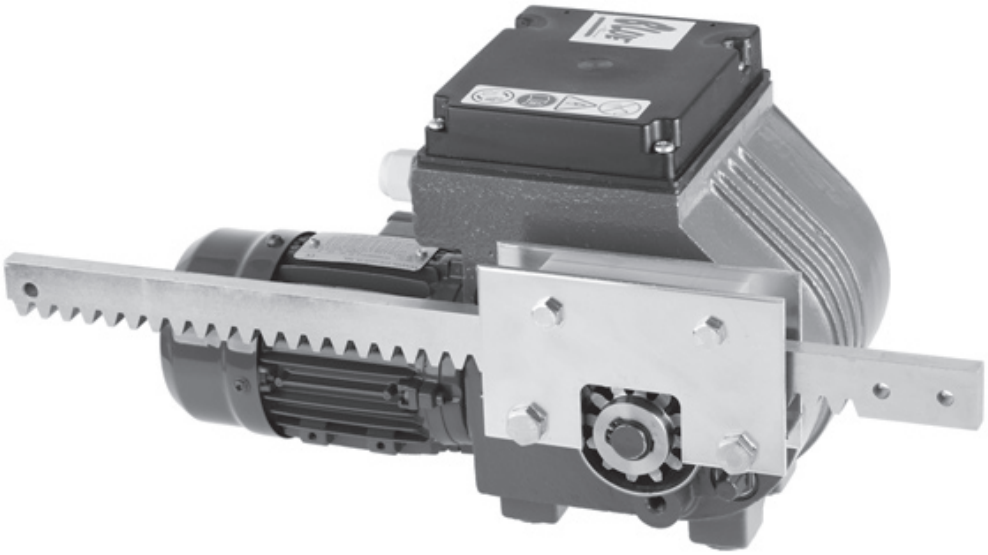
As a standard the GW 2 L is equipped with a single cable winch drum (diameter 40 mm), a mounting frame, integrated controls, alarm output and a built-in emergency battery. The GW 2 L is suited for 0 – 10 Volt control signal. Because of the emergency battery the motor still has the ability to open the air inlet valves during a power failure.

The electric motor's protection category is IP55, according to EN60529.



Description	P [W]	U [V]	I [A]	n [rpm]	m [kg]	Force [N]	Article number
GW2-1.3, 230V, 1~	15	230	0,1	2,0	6	500	P.GW2.230.20.L1

Motor gearboxes with rack and pinion drive



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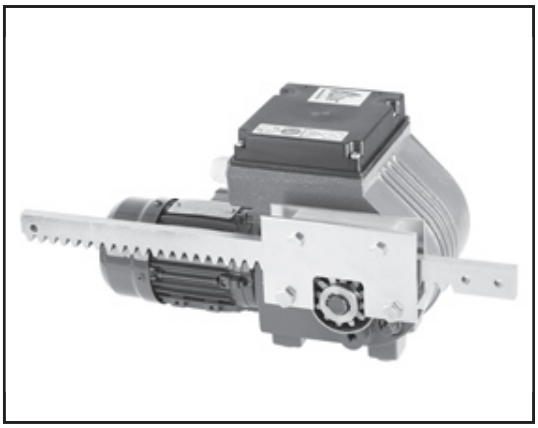
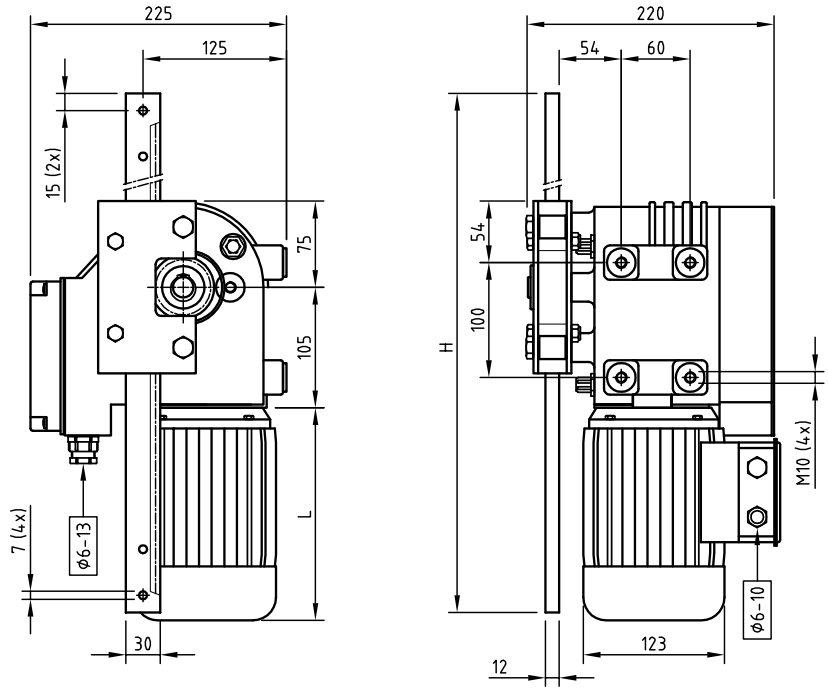
Version 1 November 2012



The GW10 TGA Unit has a rack-and-pinion drive unit on the driven shaft for linear movement, and has various applications, such as the drive for vents.

The solid gear racks are available with stroke lengths of 500 mm, 750 mm and 1000 mm. The motor gearbox can be attached to a wall by mounting the base on a wall bracket. The electric motor's protection category is IP55, according to EN60529.

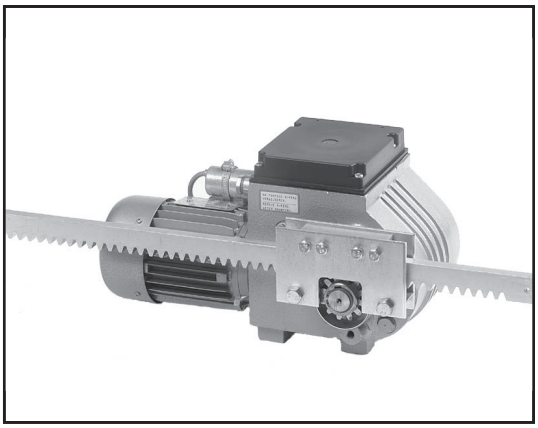
Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	F [N]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz s [m/min]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz s [m/min]	L [mm]	m [kg]
GW10-1.3, 400V, 3~	1250	0,09	230/400	0,9/0,5	0,20	0,10	255/440	0,9/0,5	25	185	23
GW10-2.6, 400V, 3~	1250	0,09	230/400	0,7/0,4	0,39	0,10	255/440	0,7/0,4	47	168	23
GW10-5.2, 400V, 3~	1250	0,18	230/400	1,0/0,6	0,78	0,21	255/440	1,0/0,6	94	185	25
GW10-1.3, 230V, 1~	1250	0,09	230	1,2	0,20	-	-	-	-	185	23
GW10-2.6, 230V, 1~	1250	0,18	230	1,6	0,39	-	-	-	-	185	25
GW10-5.2, 230V, 1~	1250	0,18	230	1,5	0,78	-	-	-	-	185	25

The table below lists the article numbers of the GW10 motor gearboxes, depending on the stroke of the gear rack.

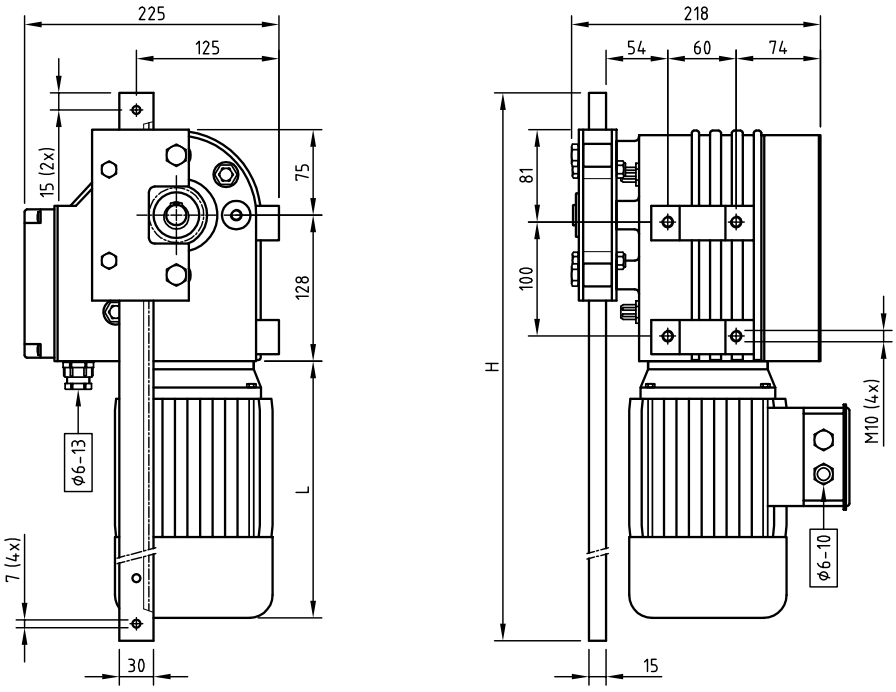
Description	Stroke of gear rack S [mm]	Length of gear rack H [mm]	Article number
GW10-1.3, 400V, 3~	500	700	P.GW10.400.13.T10.1
GW10-1.3, 400V, 3~	750	950	P.GW10.400.13.T10.2
GW10-1.3, 400V, 3~	1000	1200	P.GW10.400.13.T10.3
GW10-2.6, 400V, 3~	500	700	P.GW10.400.26.T10.1
GW10-2.6, 400V, 3~	750	950	P.GW10.400.26.T10.2
GW10-2.6, 400V, 3~	1000	1200	P.GW10.400.26.T10.3
GW10-5.2, 400V, 3~	500	700	P.GW10.400.52.T10.1
GW10-5.2, 400V, 3~	750	950	P.GW10.400.52.T10.2
GW10-5.2, 400V, 3~	1000	1200	P.GW10.400.52.T10.3
GW10-1.3, 230V, 1~	500	700	P.GW10.230.13.T10.1
GW10-1.3, 230V, 1~	750	950	P.GW10.230.13.T10.2
GW10-1.3, 230V, 1~	1000	1200	P.GW10.230.13.T10.3
GW10-2.6, 230V, 1~	500	700	P.GW10.230.26.T10.1
GW10-2.6, 230V, 1~	750	950	P.GW10.230.26.T10.2
GW10-2.6, 230V, 1~	1000	1200	P.GW10.230.26.T10.3
GW10-5.2, 230V, 1~	500	700	P.GW10.230.52.T10.1
GW10-5.2, 230V, 1~	750	950	P.GW10.230.52.T10.2
GW10-5.2, 230V, 1~	1000	1200	P.GW10.230.52.T10.3



The GW20 TGA Unit has a rack-and-pinion drive unit on the driven shaft for linear movement, and has various applications, such as the drive for vents.

The solid gear racks are available in strokelengths of 500 mm, 750 mm and 1000 mm. The motor gearbox can be attached to a wall by mounting the base on a wall bracket. The electric motor's protection category is IP55, according to EN60529.

Electric motors with different voltages and/or frequencies, or a higher protection class, for instance tropic winding, are available on request.



Description	F [N]	50Hz P [kW]	50Hz U [V]	50Hz I [A]	50Hz s [m/min]	60Hz P [kW]	60Hz U [V]	60Hz I [A]	60Hz s [m/min]	L [mm]	m [kg]
GW20-1.3, 400V, 3~	3200	0,18	230/400	1,2/0,7	0,20	0,21	255/440	1,2/0,7	0,25	185	23
GW20-2.6, 400V, 3~	3200	0,18	230/400	1,2/0,7	0,39	0,21	255/440	1,2/0,7	0,47	185	23
GW20-5.2, 400V, 3~	3200	0,37	230/400	1,7/1,0	0,78	0,44	255/440	1,7/1,0	0,94	220	26
GW20-1.3, 230V, 1~	3200	0,18	230	1,6	0,20	-	-	-	-	185	23
GW20-2.6, 230V, 1~	3200	0,37	230	3,2	0,39	-	-	-	-	220	26
GW20-5.2, 230V, 1~	3200	0,37	230	3,6	0,78	-	-	-	-	220	26

The table below lists the article numbers of the GW20 motor gearboxes, depending on the stroke of the gear rack.

Description	Stroke of gear rack S [mm]	Length of gear rack H [mm]	Article number
GW20-1.3, 400V, 3~	500	700	P.GW20.400.13.T20.1
GW20-1.3, 400V, 3~	750	950	P.GW20.400.13.T20.2
GW20-1.3, 400V, 3~	1000	1200	P.GW20.400.13.T20.3
GW20-2.6, 400V, 3~	500	700	P.GW20.400.26.T20.1
GW20-2.6, 400V, 3~	750	950	P.GW20.400.26.T20.2
GW20-2.6, 400V, 3~	1000	1200	P.GW20.400.26.T20.3
GW20-5.2, 400V, 3~	500	700	P.GW20.400.52.T20.1
GW20-5.2, 400V, 3~	750	950	P.GW20.400.52.T20.2
GW20-5.2, 400V, 3~	1000	1200	P.GW20.400.52.T20.3
GW20-1.3, 230V, 1~	500	700	P.GW20.230.13.T20.1
GW20-1.3, 230V, 1~	750	950	P.GW20.230.13.T20.2
GW20-1.3, 230V, 1~	1000	1200	P.GW20.230.13.T20.3
GW20-2.6, 230V, 1~	500	700	P.GW20.230.26.T20.1
GW20-2.6, 230V, 1~	750	950	P.GW20.230.26.T20.2
GW20-2.6, 230V, 1~	1000	1200	P.GW20.230.26.T20.3
GW20-5.2, 230V, 1~	500	700	P.GW20.230.52.T20.1
GW20-5.2, 230V, 1~	750	950	P.GW20.230.52.T20.2
GW20-5.2, 230V, 1~	1000	1200	P.GW20.230.52.T20.3