



CWG LIFTING WINCHES

1000-6000kg

CWG30375 1000kg
CWG30565 1500kg
CWG30750 2500kg
CWG31500 3500kg, 4200kg
CWG34000 5000kg, 6000kg
415V x 3ph AC

WINCH STANDARDS & BHW GROUP LTD

The British Standard: BS EN14492-1 for power driven winches, BS EN14492-2 for power driven hoists provides the means for conformity to essential Health and Safety requirements of the EN Machinery Directive and essential Health and Safety at Work Act 1974.

Conformity to these standards is the joint responsibility of the supplier, the installer and the company operating the product.



BHW Group Ltd products are fully compliant and carry a CE and UKCA mark. A Declaration of Conformity is also supplied with each winch or hoist.

Our aim at BHW Group Ltd is to ensure the correct machine is supplied to suit the application and we welcome the opportunity of discussing the proposed application and offer advice. It will help us considerably if information regarding the maximum and average loads to be lifted or pulled - and approximate frequency of use can be provided.

For hoisting applications, the minimum breaking force (MBF**) of the wire rope must be 5x the lifting capacity of the hoist. The ratio of wire rope diameter to mean drum diameter* is usually at least 15:1. This will vary according to the application, the average operating time per day and the average and maximum weights being lifted.

Wire rope capacities the maximum amount of wire rope on the drum must leave a freeboard to the top of the drum flange of 1.5x wire rope diameters to prevent the wire rope coming off the drum.

Winches and hoists with capacities over 1000kg must be load limited.

* Mean drum diameter = the drum diameter plus the diameter of the wire rope.

** MBF = the Minimum Breaking Force of the wire rope.

ADDITIONAL OPTIONS

- Grooved drum
- Spilt drum
- Dual anchor point (push/pull system)

FEATURES INCLUDE

- **Failsafe Electromagnetic Brake, spring applied**
Provides instant, safe braking
- **Bi-rotational**
CWG winches can be installed with wire rope coming off the top or bottom of the drum
- **Enclosed drum flange**
Prevents rope becoming trapped between drum and support casing
- **Cast steel foot mounting**
For easy installation
- **Low voltage control supplied as standard**
24V AC, pre-wired to the winch with IP67
2 button control and emergency stop
- **Thermal overload protection**
Prevents overheating
- **Quiet running**
Conforms to noise pollution regulations
- **Load limiter**
Via current sensor in the low voltage controls
- **Motors to IP55 as standard**
Further options available on request
- **2 metre power lead**
Pre-wired to the winch with commercial plug

ADDITIONAL EQUIPMENT

- Wire rope
- Radio remote control
- Weatherproof enclosure
- Inverter

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LINE PULL AND LINE SPEED PERFORMANCES - WINCH VARIANTS

CWG SERIES WINCH VARIANTS - SPECIFICATION

Part No.	Model	Rated Load per Layer [kgf/kN]				Line Speed [m/min]				Rope Length [m/layer]				Wire Rope			Drum Ø [mm]	Motor [Amps]	Motor [kW]
		1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	Ø [mm]	Length [m]	SWL [kg]			
CWG30375 – 1000kg Rated on the 3 rd layer																			
16479	A	1386/13.6	1220/12	1091/10.7	985/9.6	12	14	15.3	17	10	21	33	45	9	33	1062	127	8.3	4
16480	B	1386/13.6	1220/12	1091/10.7	985/9.6	8	9.8	11	12.2	10	21	33	45	9	33	1062	127	5	2.2
16481	C	1386/13.6	1220/12	1091/10.7	985/9.6	3.7	4.1	4.6	5	10	21	33	45	9	33	1062	127	3.5	1.5
16482	D	1386/13.6	1220/12	1091/10.7	985/9.6	1	1.2	1.6	2	10	21	33	45	9	33	1062	127	1.7	0.55
CWG30565 – 1500kg Rated on the 3 rd layer																			
16483	A	1800/17.7	1650/16.2	1500/14.7	N/A	20	22.5	24.6	N/A	20	40	60	N/A	11	40	1586	219	15.5	7.5
16484	B	1800/17.7	1650/16.2	1500/14.7	N/A	14	15.5	17	N/A	20	40	60	N/A	11	40	1586	219	10	5.5
16485	C	1800/17.7	1650/16.2	1500/14.7	N/A	4.2	4.6	5.1	N/A	20	40	60	N/A	11	40	1586	219	5.3	2.2
16486	D	1800/17.7	1650/16.2	1500/14.7	N/A	1	1.2	1.8	N/A	20	40	60	N/A	11	40	1586	219	1.7	0.55
CWG30750 – 2500kg Rated on the 4 th layer																			
16487	A	3410/33.4	3072/30.1	2795/27.4	2567/25.2	7.7	8.6	9.4	10.3	16	34	54	75	14	54	2568	219	11	5.5
16488	B	3410/33.4	3072/30.1	2795/27.4	2567/25.2	5	5.5	6.3	6.8	16	34	54	75	14	54	2568	219	9.5	4
16489	C	3410/33.4	3072/30.1	2795/27.4	2567/25.2	2.5	2.8	3.1	3.4	16	34	54	75	14	54	2568	219	5.6	2.2
16490	D	3410/33.4	3072/30.1	2795/27.4	2567/25.2	1.1	1.3	1.5	1.8	16	34	54	75	14	54	2568	219	3	1.1
CWG31500 – 3500kg Rated on the 4 th layer																			
16491	A	5000/49	4600/45.1	4259/41.8	3965/38.9	5.5	6	6.4	6.8	29	61	95	131	16	95	3651	356	13.5	5.5
16492	B	5000/49	4600/45.1	4259/41.8	3965/38.9	4	4.4	4.7	5	29	61	95	131	16	95	3651	356	9.5	4
16493	C	5000/49	4600/45.1	4259/41.8	3965/38.9	2.9	3.2	3.5	3.7	29	61	95	131	16	95	3651	356	6.8	3
16494	D	5000/49	4600/45.1	4259/41.8	3965/38.9	1.2	1.4	1.6	1.8	29	61	95	131	16	95	3651	356	3.7	1.5
CWG31500 – 4200kg Rated on the 3 rd layer																			
16495	A	5000/49	4600/45.1	4259/41.8	N/A	5.8	6.4	7	N/A	25	51	78	N/A	18	78	4243	356	13	5.5
16496	B	5000/49	4600/45.1	4259/41.8	N/A	4.3	4.8	5.2	N/A	25	51	78	N/A	18	78	4243	356	9.5	4
16497	C	5000/49	4600/45.1	4259/41.8	N/A	3.1	3.4	3.7	N/A	25	51	78	N/A	18	78	4243	356	6.8	3
16498	D	5000/49	4600/45.1	4259/41.8	N/A	1.2	1.4	1.6	N/A	25	51	78	N/A	18	78	4243	356	3.7	1.5
CWG34000 – 5000kg Rated on the 4 th layer																			
17227	A	7320/71.8	6655/65.3	6050/59.3	5500/53.9	7.2	8.1	8.9	9.8	35	72	111	153	20	111	5242	324	24	11
17228	B	7320/71.8	6655/65.3	6050/59.3	5500/53.9	5.2	5.5	6.1	6.7	35	72	111	153	20	111	5242	324	16	7.5
17229	C	7320/71.8	6655/65.3	6050/59.3	5500/53.9	2.7	3	3.4	3.7	35	72	111	153	20	111	5242	324	8.5	4
17230	D	7320/71.8	6655/65.3	6050/59.3	5500/53.9	1	1.1	1.3	1.5	35	72	111	153	20	111	5242	324	4.8	2.2
CWG34000 – 6000kg Rated on the 3 rd layer																			
17231	A	7320/71.8	6655/65.3	6050/59.3	N/A	7.2	8.4	9.3	N/A	32	66	103	N/A	22	103	6344	324	22	11
17232	B	7320/71.8	6655/65.3	6050/59.3	N/A	5.2	5.9	6.6	N/A	32	66	103	N/A	22	103	6344	324	17.6	7.5
17233	C	7320/71.8	6655/65.3	6050/59.3	N/A	2.7	3.3	3.7	N/A	32	66	103	N/A	22	103	6344	324	9	4
17234	D	7320/71.8	6655/65.3	6050/59.3	N/A	1	1.2	1.4	N/A	32	66	103	N/A	22	103	6344	324	4.5	2.2

Data shown is approximate based on winch and motor variants and intended as a guide only.

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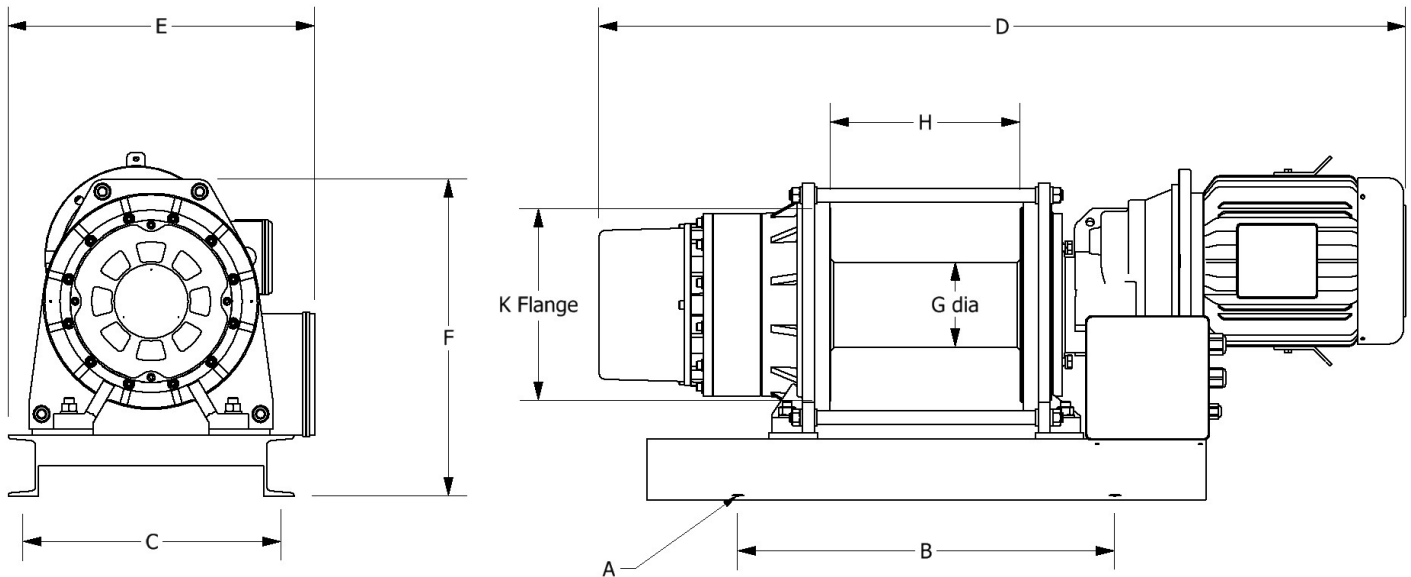
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WINCH DIMENSIONS



WINCH DIMENSIONS mm

No	MODEL	VERSION	A	B	C	D	E	F	G	H	K
16479	CWG30375	A	4 off Ø 19	500	370	960	400	445	124	239	275
16480	CWG30375	B	4 off Ø 19	500	370	960	400	445	124	239	275
16483	CWG30565	A	4 off Ø 19	620	495	1100	470	520	219	312	320
16484	CWG30565	B	4 off Ø 19	620	495	1100	470	520	219	312	320
16487	CWG30750	A	4 off Ø 22	600	199	1160	565	658	219	312	410
16488	CWG30750	B	4 off Ø 22	600	199	1160	565	658	219	312	410
16491	CWG31500	A	4 off Ø 30	847	689	1431	740	860	356	405	570
16492	CWG31500	B	4 off Ø 30	847	689	1431	740	860	356	405	570
16495	CWG31500	A	4 off Ø 30	847	689	1431	740	860	356	405	570
16496	CWG31500	B	4 off Ø 30	847	689	1431	740	860	356	405	570
17227	CWG34000	A	4 off Ø 32	920	680	1860	740	905	324	680	570
17228	CWG34000	B	4 off Ø 32	920	680	1860	740	905	324	680	570
17231	CWG34000	A	4 off Ø 32	920	680	1860	740	905	324	680	570
17232	CWG34000	B	4 off Ø 32	920	680	1860	740	905	324	680	570

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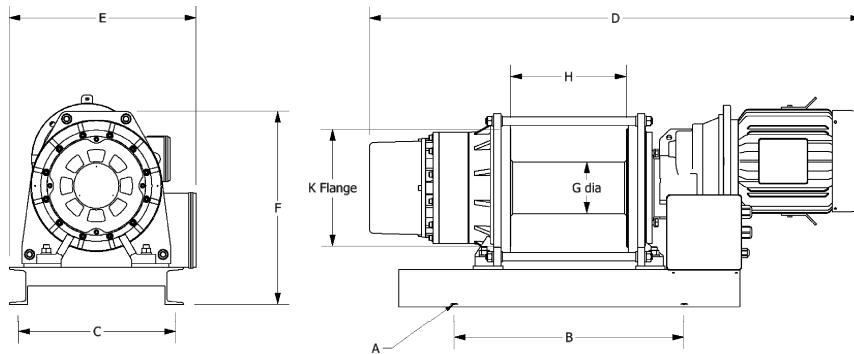
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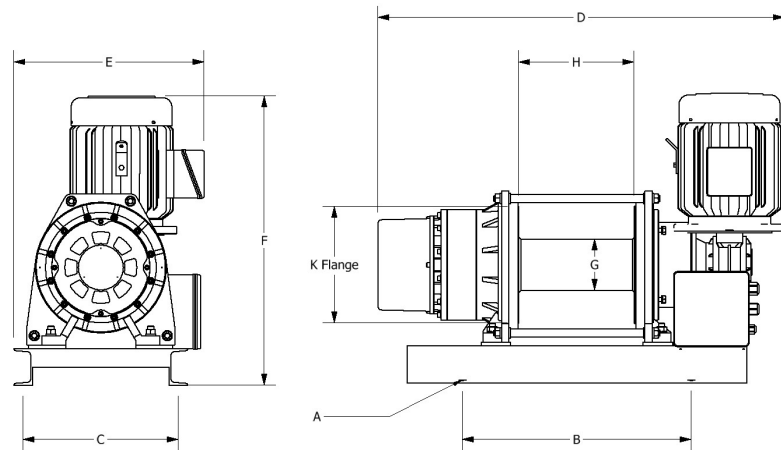


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16481	CWG30375	C	4 off Ø 19	500	370	960	400	445	124	239	275
16485	CWG30565	C	4 off Ø 19	620	495	1100	470	520	219	312	320
16489	CWG30750	C	4 off Ø 22	600	199	1160	565	658	219	312	410
16493	CWG31500	C	4 off Ø 30	847	689	1431	740	860	356	405	570
16497	CWG31500	C	4 off Ø 30	847	689	1431	740	860	356	405	570
17229	CWG34000	C	4 off Ø 32	920	680	1860	740	905	324	680	570
17233	CWG34000	C	4 off Ø 32	920	680	1860	740	905	324	680	570



WINCH DIMENSIONS mm

No	MODEL	VERSION	A	B	C	D	E	F	G	H	K
16482	CWG30375	D	4 off Ø 19	500	370	942	400	445	124	239	275
16486	CWG30565	D	4 off Ø 19	620	495	1100	470	520	219	312	320
16490	CWG30750	D	4 off Ø 22	600	199	1142	565	658	219	312	410
16494	CWG31500	D	4 off Ø 30	847	689	1413	740	860	356	405	570
16498	CWG31500	D	4 off Ø 30	847	689	1413	740	860	356	405	570
17230	CWG34000	D	4 off Ø 32	920	680	1842	740	905	324	680	570
17234	CWG34000	D	4 off Ø 32	920	680	1842	740	905	324	680	570

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NOTES

These winches must not be used for the movement of personnel and 7 wraps of wire rope must be maintained on the drum.

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WARRANTY

Each new winch is guaranteed against defects in workmanship and material defects for a period of twelve months from date of purchase.

Wire ropes are not included under warranty.

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