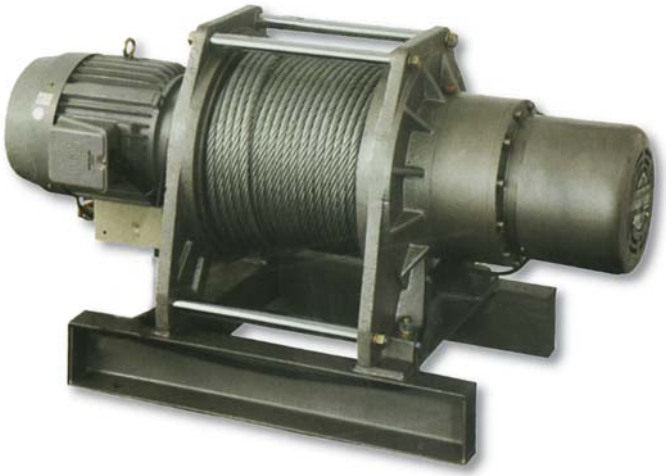

CWG LIFTING WINCHES 900-1360kg

CWG30375 (900kg)
CWG30565 (1100 - 1360kg)
Rated on 3rd layer of rope

415v x 3ph AC

NEW EUROPEAN STANDARDS & BHW GROUP

New Harmonised European Standards: EN14492-1 for power driven winches, EN14492-2 for power driven hoists *provide the means for conformity to essential Health and Safety requirements of the EC Machinery Directive.*

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

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

Our aim at BHW Group *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 5 x 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.*

For pulling applications. *As a general rule winches used in pulling applications rarely see their maximum rated capacity and are used intermittently for short running periods. In these applications the wire rope MBF** to winch rating can be a minimum 2:1 and the ratio of wire rope to mean drum ratio* as low as 10.1.*

*In applications where the winch is used for longer running times and more frequently sees higher loading conditions the wire rope to MBF** should be 3:1 and the ratio of wire rope to mean drum ratio* 12:1.*

For recovery vehicles *the permissible standard of wire rope MBF** to winch rating can be a minimum 2:1 and the ratio of wire rope to mean drum ratio* only 10:1. This minimum standard is permitted because the running time is so short and the winch rarely sees maximum load.*

Wire rope capacities *the maximum amount of wire rope on the drum must leave a freeboard to the top of the drum flange of 1.5 x wire rope diameter 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.*

FEATURES INCLUDE

- ***Electromagnetic, spring applied, failsafe brake***
  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
- ***Low voltage control supplied as standard***
  24v AC, pre-wired to the winch with 2 button control and emergency stop
- ***Cast steel foot mounting***
  For easy installation
- ***Complete with wire rope***
  Galvanised for longer life
- ***Quiet running***
  Conforms to noise pollution regulations
- ***360º weighted safety hook***
  Swivel type with safety catch
- ***Motor to IP54 as standard***
  (other options available on request)
- ***2 metre power lead***
  Pre-wired to the winch with commercial type plug

ADDITIONAL EQUIPMENT

- ***Radio remote control***
- ***Weather proof enclosure***

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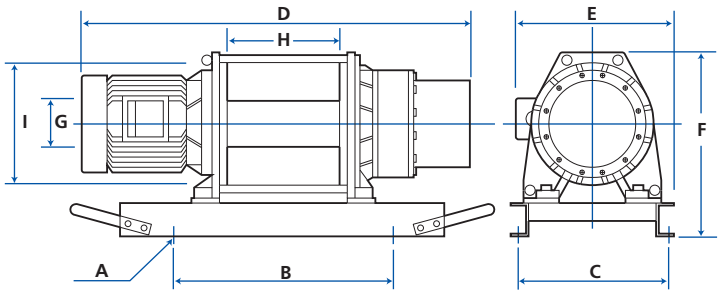

WINCH DIMENSIONS mm									
MODEL	A	B	C	D	E	F	G	H	I
CWG-30375	4 off Ø 19	500	520	960	400	445	124	230	275
CWG-30565	4 off Ø 19	620	520	1100	470	520	140	312	320

LINE PULL AND LINE SPEED PERFORMANCES - WINCHES ARE LOAD RATED ON THIRD LAYER

CWG30375a 415v x 3ph

		LAYERS				
		1	2	3	4	5
Maximum Rated Line Pull by Layer	kN kgf	10.8 1100	9.8 1000	**8.8** **900**	7.8 800	6.9 700
CWG30375a Rope Capacity Cumulative by Layer (9mm Dia. Wire Rope)	m	10.3	21.6	**34**	46.4	60
Line Speed*	m/min	12.6	14.2	**15.8**	17.6	19.6

** Based on recommended 9mm diameter wire rope, 1960N/mm² grade, 7 x 18 wire core construction*

CWG30375b 415v x 3ph

		LAYERS				
		1	2	3	4	5
Maximum Rated Line Pull by Layer	kN kgf	10.8 1100	9.8 1000	**8.8** **900**	7.8 800	6.9 700
CWG30375b Rope Capacity Cumulative by Layer (9mm Dia. Wire Rope)	m	10.3	21.6	**34**	46.4	60
Line Speed*	m/min	8.4	9.5	**10.6**	11.7	12.8

** Based on recommended 9mm diameter wire rope, 1960N/mm² grade, 7 x 18 wire core construction*

CWG30565a 415v x 3ph

		LAYERS				
		1	2	3	4	5
Maximum Rated Line Pull by Layer	kN kgf	16.2 1650	14.7 1500	**13.3** **1360**	12.2 1240	11 1120
CWG30365a Rope Capacity Cumulative by Layer (9mm Dia. Wire Rope)	m	14.9	30.9	**48**	66	85
Line Speed*	m/min	15.7	17.6	**19.6**	21.5	23.5

** Based on recommended 11mm diameter wire rope, 1960N/mm² grade, 7 x 18 wire core construction*

CWG30565b 415v x 3ph

		LAYERS				
		1	2	3	4	5
Maximum Rated Line Pull by Layer	kN kgf	13.9 1420	12.3 1252	**11** **1120**	9.9 1012	9.1 928
CWG30365b Rope Capacity Cumulative by Layer (9mm Dia. Wire Rope)	m	14	21.1	**45**	62.6	80
Line Speed*	m/min	8.9	10.1	**11.3**	12.4	13.6

** Based on recommended 10mm diameter wire rope, 1960N/mm² grade, 7 x 18 wire core construction*

CWG SPECIFICATIONS

	30375a	30375b	30365a	30565b
Voltage:	415v 3ph			
Lifting capacity	900kg		1360kg	1120kg
Weight: Winch only	185kg		250kg	
Total kit average	225kg		285kg	
Wire rope ø x max. length:	9mm x 34m		11mm x 48m	10mm x 45m
Construction:	18 x 7 wire core for maximum flexibility. Minimum factor of safety 5:1			
Motor type:	Induction motor			
Outputs Kilowatts:	3kw	2.2kw	5.5kw	3kw
Amperes:	6.6amp	5.4amp	11amp	6.8amp
Braking:	Electromagnetic spring applied failsafe			
Drum ø x length / (ø flange):	ø127mm x 230mm / (ø275mm)		ø165 x 312 (ø320)	ø140 x 312 (ø320)
Rope ø to drum ø ratio:	15:1		16:1	17.5:1

NOTES

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

Data shown is approximate and intended as a guide only.

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.

WM20/16.08.11

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