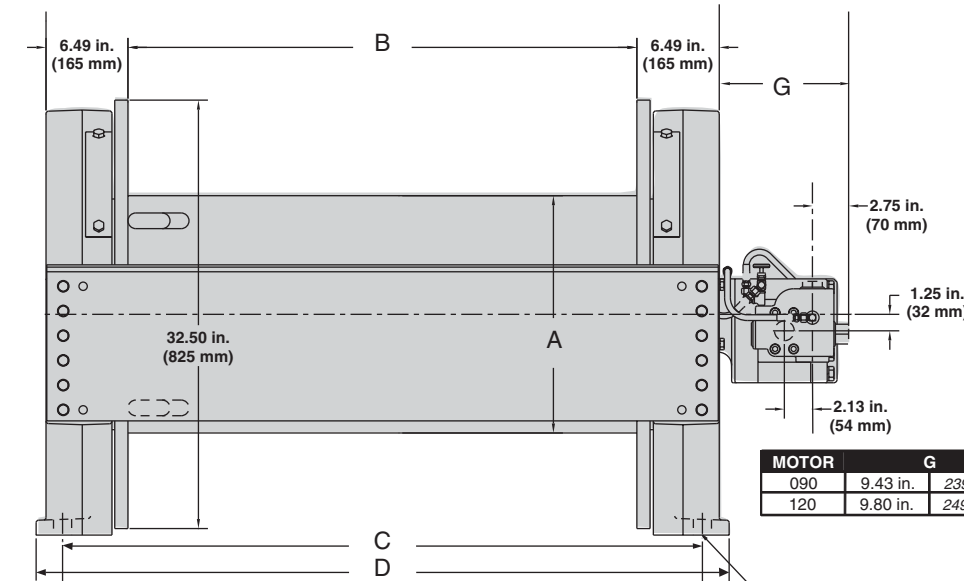


CH400A

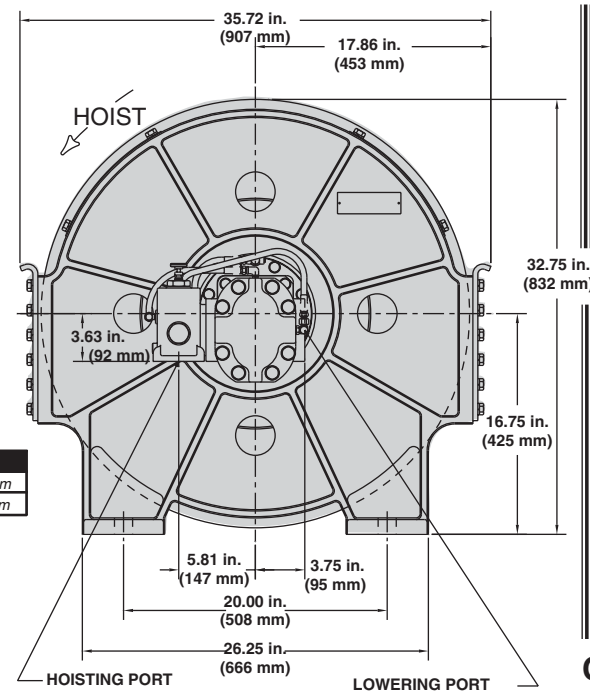
40,000 LB First Layer Line Pull

BRADEN®

DIMENSIONAL INFORMATION

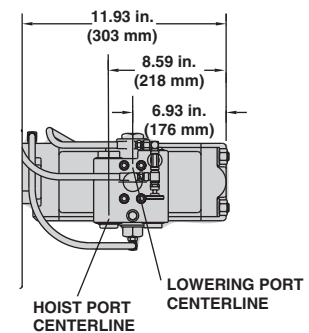


DRUM	A		B		C		D	
-01	20.00 in.	508 mm	23.88 in.	607 mm	34.29 in.	871 mm	38.35 in.	974 mm
-02	20.00 in.	508 mm	38.13 in.	969 mm	48.54 in.	1230 mm	52.60 in.	1340 mm
-03	22.00 in.	559 mm	23.88 in.	607 mm	34.29 in.	871 mm	38.35 in.	974 mm
-04	22.00 in.	559 mm	38.13 in.	969 mm	48.54 in.	1230 mm	52.60 in.	1340 mm



2-SPEED MOTOR

HOIST & LOWER PORTS
-16 SAE O-RING
1 5/16 - 12 THREAD



Consult the factory for piston and low flow motor options.

MODEL OPTIONS

GEAR RATIOS

69:1, 86:1 and 99:1

MOTOR SIZES

090 (9.02 cu. in.)
120 (12.04 cu. in.)
128/064 (12.8/6.4 cu. in.)

DRUM SIZES -

(DIMENSIONS SHOWN ABOVE)

SPECIAL OPTIONS

-1 Personnel Handling
P (ratchet and pawl)
U Underwind

COMMITMENT

Every process in the design, manufacture and support of BRADEN products is focused on one goal: Providing the highest quality winch, hoist and drive systems in the world. PACCAR Winch Division is committed to providing the best in product functionality and reliability.

Since 1905 PACCAR Inc has provided high quality products and services to numerous markets and countries. Let us put our experience and expertise to work for you.

PACCAR WINCH DIVISION

P.O. Box 547 Broken Arrow, Oklahoma 74013
PHONE: (918) 251-8511 FAX: (918) 259-1575
www.paccarwinch.com

PERFORMANCE INFORMATION

		-01 AND -02 DRUMS - 99:1 GEAR RATIO																			
		120 MOTOR				TWO SPEED MOTOR															
		12.04 CU. IN. DISP. - 2950 ΔPSI @ 170 GPM** (197 CC DISP. - 203 Δbar @ 643 LPM)**				12.75 CU. IN. DISP. - 2750 ΔPSI @ 85 GPM (209 CC DISP. - 190 Δbar @ 321 LPM)				6.37 CU. IN. DISP. - 2750 ΔPSI @ 85 GPM (104 CC DISP. - 190 Δbar @ 321 LPM)											
ROPE SIZE	LAYER	LINE PULL		LINE SPEED		LOW SPEED				HIGH SPEED				ROPE STORAGE CAPACITY							
		(LBS)	(KG)	(FPM)	(MPM)	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	-01 DRUM		-02 DRUM					
(in.)						(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)	(FEET)	(METERS)	(FEET)	(METERS)
1	1	40,000	18,140	166	51	40,000	18,140	71	22	17,970	8,150	156	48	131	40	209	64				
	2	36,530	16,570	182	55	36,530	16,570	78	24	16,410	7,440	171	52	274	84	438	134				
	3	33,610	15,250	198	60	33,610	15,250	85	26	15,090	6,840	186	57	430	131	687	209				
	4	31,120	14,120	214	65	31,120	14,120	91	28	13,980	6,340	201	61	598	182	956	291				
	5	29,980	13,600	230	70	29,980	13,600	98	30	13,010	5,900	216	66	779	237	1,245	379				
	6*	27,110	12,300	246	75	27,110	12,300	105	32	12,170	5,520	231	70	972	296	1,554	474				

*This layer does not comply with ANSI standard B30.5 for 1/2" exposed flange.

**Consult factory for flows above 120 GPM (454 LPM)

		-03 AND -04 DRUMS - 99:1 GEAR RATIO																			
		120 MOTOR				TWO SPEED MOTOR															
		12.04 CU. IN. DISP. - 2950 ΔPSI @ 170 GPM** (197 CC DISP. - 203 Δbar @ 643 LPM)**				12.75 CU. IN. DISP. - 2750 ΔPSI @ 85 GPM (209 CC DISP. - 190 Δbar @ 321 LPM)				6.37 CU. IN. DISP. - 2750 ΔPSI @ 85 GPM (104 CC DISP. - 190 Δbar @ 321 LPM)											
ROPE SIZE	LAYER	LINE PULL		LINE SPEED		LOW SPEED				HIGH SPEED				ROPE STORAGE CAPACITY							
		(LBS)	(KG)	(FPM)	(MPM)	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	-03 DRUM		-04 DRUM					
(in.)						(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)	(FEET)	(METERS)	(FEET)	(METERS)
1-1/8	1	37,140	16,850	183	56	40,000	18,140	78	24	17,800	8,070	172	52	128	39	205	62				
	2	33,840	15,350	201	61	36,460	16,540	86	26	16,220	7,360	189	58	269	82	430	131				
	3	31,090	14,100	219	67	33,490	15,190	93	28	14,900	6,760	206	63	422	129	675	206				
	4	28,750	13,040	237	72	30,970	14,050	101	31	13,780	6,250	223	68	588	179	940	287				

**Consult factory for flows above 120 GPM (454 LPM)

NOTES

Specifications are subject to change without notification and without incurring obligation.

Pressure and flow shown are the maximum allowable for the particular combination of winch, ratio, motor and drum.

Specifications in this publication are theoretical and may vary depending on hydraulic system, environment, etc.

Line pulls are maximum ratings for the winch only.

Wire rope ratings may be lower than the the winch rating.

Consult the wire rope manufacturer for ratings.

LINE PULL AT LOWER PRESSURE

$$\frac{\text{YOUR SYSTEM PRESSURE}}{\text{MAXIMUM PRESSURE (FROM CHART)}} \times \frac{\text{LINE PULL FROM CHART}}{\text{LINE PULL}} = \text{ESTIMATE}$$

EXAMPLE:

$$\frac{1000 \text{ PSI}}{3000 \text{ PSI}} \times 12,000 \text{ LBS} = 4000 \text{ LBS.}$$

LINE SPEED AT LOWER FLOW

$$\frac{\text{YOUR SYSTEM FLOW}}{\text{MAXIMUM FLOW (FROM CHART)}} \times \frac{\text{LINE SPEED FROM CHART}}{\text{LINE SPEED}} = \text{ESTIMATE}$$

EXAMPLE:

$$\frac{25 \text{ GPM}}{125 \text{ GPM}} \times 200 \text{ FPM} = 40 \text{ FPM}$$

▲ WARNING ▲

A minimum of 5 wraps of wire rope must be left on the drum to prevent the load from being supported by the wire rope anchor alone. Since the wire rope anchor is not designed to hold the rated load, failure to leave 5 wraps of wire rope on the drum could cause the load to drop, which could result in property damage, personal injury or death.

MINIMUM FLOW RECOMMENDATION FOR SMOOTH OPERATION*

MOTOR	GPM	LPM
90	24	91
120	28	106
128/064	24	91

*RECOMMENDED MINIMUM **SYSTEM** FLOW SHOULD BE 2X THESE VALUES