

CH230B - 01 DRUM

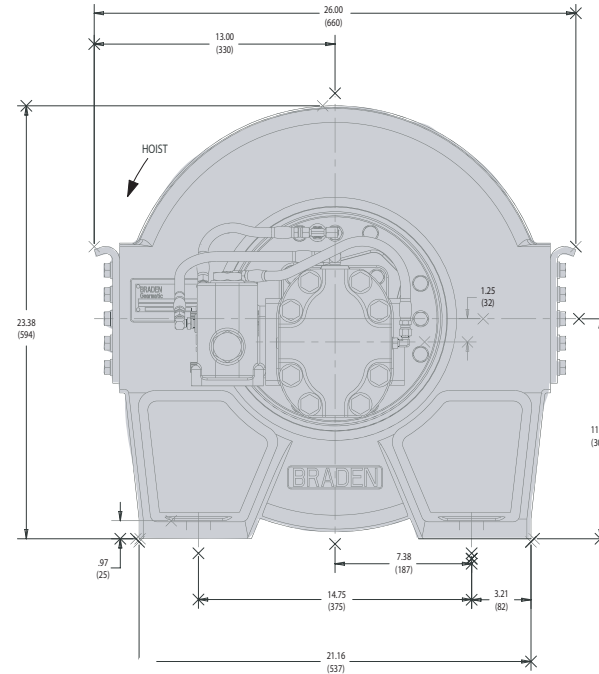
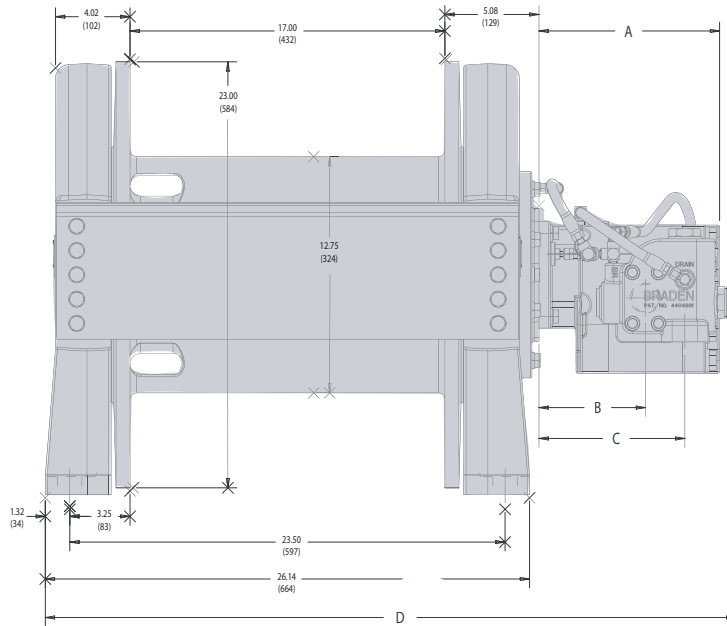
23,000 LB First Layer Line Pull



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BRADEN®

DIMENSIONAL INFORMATION



HOIST FEATURES

- Increased line pull ratings to better utilize higher strength wire ropes
- Gearing is designed for improved service life at higher input RPM and torque
- New brake design increases allowable input RPM, overrunning clutch capacity & oil flow to the brake
- SAE “C” and “D” motor mounts for improved hydraulic motor capability
- Optional electronic rotation sensor
- Same mounting hole locations and envelope size as the CH230A
- Improved serviceability

	CH230B							
	090 Motor		110 Motor		120 Motor		128/064 Motor	
	in.	mm	in.	mm	in.	mm	in.	mm
A	10.25	260	9.50	241	9.75	248	15.00	381
B	5.38	137	5.63	143	5.75	146	6.47	164
C	7.50	191	7.75	197	7.88	200	8.13	207
D	36.91	938	37.16	944	37.29	947	41.65	1,060

PERFORMANCE INFORMATION

		110 MOTOR - 01 DRUM				120 MOTOR - 01 DRUM				090 MOTOR - 02 DRUM				01 DRUM	
		11.03 CU. IN. DISP. - 3000 PSI @ 155 GPM (181 CC DISP. - 206 BAR @ 587 LPM)				12.03 CU. IN. DISP. - 2970 PSI @ 170 GPM (197 CC DISP. - 204 BAR @ 643 LPM)				9.02 CU. IN. DISP. - 3000 PSI @ 125 GPM (148 CC DISP. - 206 BAR @ 473 LPM)					
ROPE SIZE (IN)	LAYER	LINE PULL		LINE SPEED		LINE PULL		LINE SPEED		LINE PULL		LINE SPEED		ROPE CAPACITY	
		(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)	(FT)	(M)
3/4	1	21,080	9,582	306	93	23,000	10,455	310	94	16,760	7,618	297	91	80	24
	2	18,970	8,623	340	104	20,700	9,409	344	105	15,080	6,855	330	101	169	52
	3	17,250	7,841	374	114	18,820	8,555	379	116	13,710	6,232	363	111	266	81
	4	15,810	7,186	408	124	17,250	7,841	413	126	12,570	5,714	396	121	372	113
	5	14,590	6,632	442	135	15,920	7,236	448	137	11,600	5,273	429	131	487	148
	6	13,550	6,159	477	145	14,780	6,718	482	147	10,770	4,895	462	141	611	186

		TWO SPEED MOTOR							
		LOW SPEED				HIGH SPEED			
		12.75 CU. IN. DISP. - 2765 PSI 85 GPM (209 CC DISP. - 190 BAR @ 322 LPM)				6.38 CU. IN. DISP. - 2765 PSI @ 85 GPM (104 CC DISP. - 190 BAR @ 322 LPM)			
ROPE SIZE (IN)	LAYER	LINE PULL		LINE SPEED		LINE PULL		LINE SPEED	
		(LBS)	(KG)	(FPM)	(MPM)	(LBS)	(KG)	(FPM)	(MPM)
3/4	1	23,000	10,455	129	39	8,860	4,027	279	85
	2	20,700	9,409	144	44	7,980	3,627	310	94
	3	18,820	8,555	158	48	7,250	3,295	341	104
	4	17,250	7,841	173	53	6,650	3,023	372	113
	5	15,920	7,236	187	57	6,130	2,786	404	123
	6	14,780	6,718	202	62	5,700	2,591	435	133

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 winch rating. Consult the wire rope manufacturer for ratings.

OPTIONS

Consult the factory for high pressure piston motors and available ratios.

MINIMUM FLOW RECOMMENDATION FOR SMOOTH OPERATION
(RECOMMENDED MINIMUM SYSTEM FLOW SHOULD BE 2X THESE VALUES)

MOTOR	GPM	LPM
090	24	91
110	27	102
120	28	106
128/064	CONSULT FACTORY	

▲ 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, injury or death.

