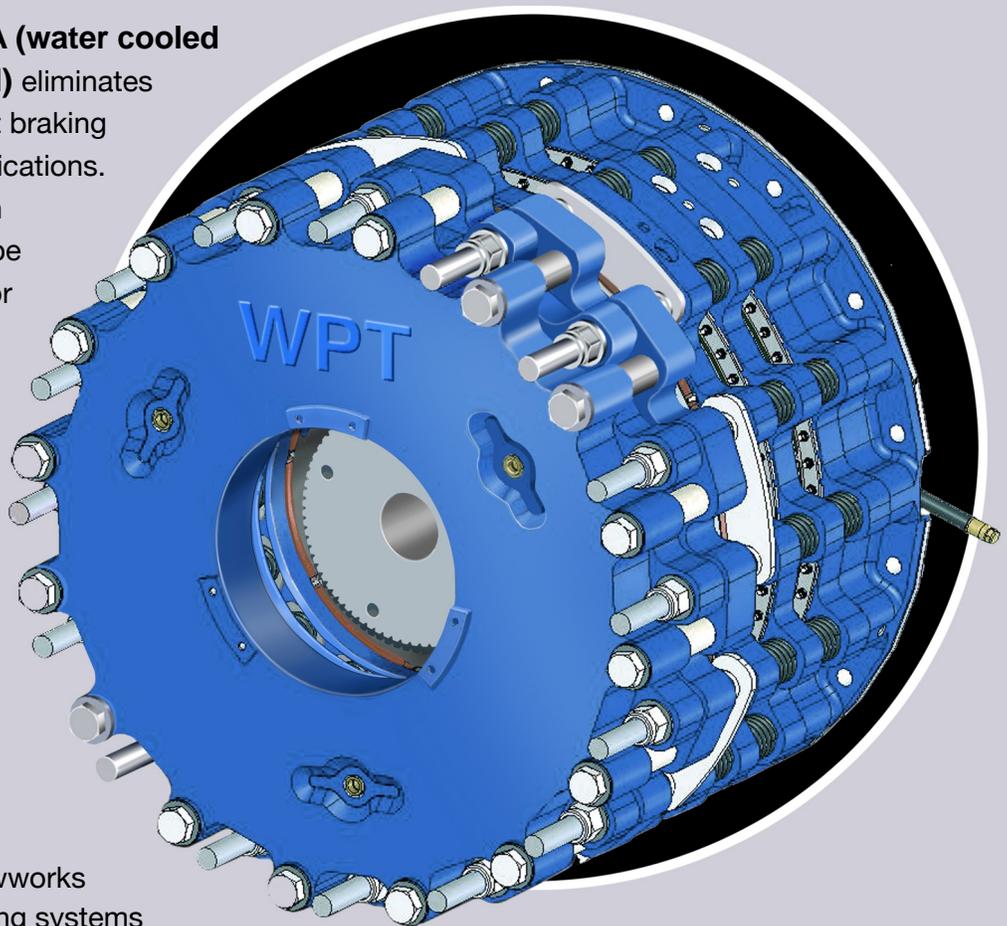


WPT 36" WCB/DA

WPT's new WCB/DA (water cooled brake/dual actuated) eliminates the need for redundant braking systems on many applications. This two-in-one design incorporates two airtube actuators. One actuator is pressure applied for dynamic tensioning. The other actuator is spring applied for holding and emergency stopping.



Uses:

□ **Drawworks**

- All electric drawworks
- Automatic drilling systems

□ **Marine Deck Equipment**

- Winches
- Anchor Handling
- Positioning
- Mooring
- Cable Laying

□ **Forestry**

- Logging Yarders

Features:

- Continuous high heat dissipation capability
- Multiple combinations of water cooled and air cooled discs
- Airtube accurately reacts to small pressure changes with minimal resistance to movement compared to piston models.
- Comes standard with marine environment corrosion protection package.

See back for specifications

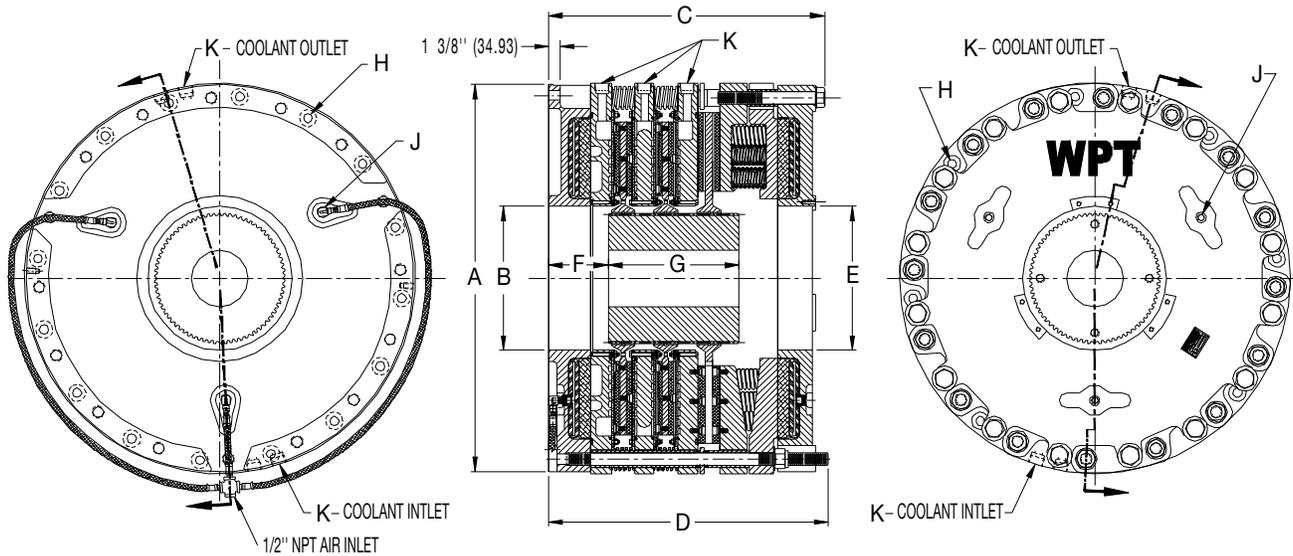
SPECIFICATIONS

Size (Qty Water Cooled/Air Cooled Discs)	Torque Ratings ¹						Thermal Ratings ²				K		Maximum Speed (rpm)		Bore Range ³	
	Air Applied Dynamic Torque		Spring Applied Dynamic Torque		Spring Applied Static Torque		Heat Dissipation Capacity		Water Flow (Minimum)		Coolant Inlets + Outlets		Slip	Freewheel	Minimum	Maximum
	lb-in @ 100 psi	Nm @ 7 bar	lb-in Release @ 94 psi	Nm Release @ 6.5 bar	lb-in Release @ 94 psi	Nm Release @ 6.5 bar	hp	kW	gpm	dm ³ /min	Qty	Size (NPT)				
136 (1WC/OAC)	721,900	82,870	615,170	69,500	615,170	69,500	650	485	65	246	4	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)
236 (1WC/1AC)	721,900	82,870	1,047,700	118,380	1,191,900	134,670	650	485	65	246	4	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)
236 (2WC/OAC)	1,443,800	165,700	1,230,340	139,000	1,230,340	139,000	1300	969	130	492	8	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)
336 (2WC/1AC)	1,443,800	165,700	1,662,900	187,880	1,807,100	204,175	1300	969	130	492	8	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)
336 (3WC/OAC)	2,165,760	248,600	1,845,500	208,500	1,845,500	208,500	1950	1454	195	738	12	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)
436 (3WC/1AC)	2,165,760	248,600	2,278,000	257,390	2,422,270	273,680	1950	1454	195	738	12	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)
436 (4WC/OAC)	2,887,680	331,480	2,460,670	278,000	2,460,670	278,000	2600	1939	260	984	16	1-1/4-11 1/2	425	700	4 (101.6)	10 1/8 (257.2)

¹ Air applied torque ratings are dependent on actual applied air pressure. Maximum allowable air pressure is 130 psi (9 bar). Spring applied air pressures are minimum required to fully release brake. To decrease release pressure required, springs can be removed. Contact WPT engineering for assistance on number of springs to remove to attain specific release pressures and what the resulting torque rating will be. The spring applied torque ratings are reduced with lining wear. In a worn out condition the brake will deliver approx. 2/3 of the values shown. Wear adjustments can be made without disassembling the brake.

² Thermal ratings listed are based on a water flow of 1 U.S. gpm per 10 hp (1 litre per 1.97 kW) heat dissipated and a 50°F (28°C) maximum temperature rise between the inlet and outlet. Outlet water temperature should never exceed 150°F (65°C). Maximum water jacket inlet pressure is 40 psi (2.8 bar). Use of ethylene glycol (max. 50%) mixture will require increased flow rates. Contact WPT engineering for details.

³ Maximum bores shown are with a standard square key. Contact WPT engineering for bore sizes exceeding the maximum specification.



DIMENSIONS inches (mm)

SIZE	A +.000/- .005 (+.00/- .13)	B	C	D	E	F	G	H			J	
								Mounting Holes			Air Inlets	
								Qty	Dia L	Bolt Circle	Size (NPT)	Bolt Circle
136	44.498 (1130.25)	16 1/2 (419.1)	21 15/16 (557.2)	22 21/32 (575.5)	16 1/2 (419.1)	6 55/64 (174.2)	7 1/2 (190.5)	16	1 1/16 (27.0)	42.00 (1066.8)	1/2-14	28.00 (711.2)
236	44.498 (1130.25)	16 1/2 (419.1)	27 (685.8)	27 3/8 (695.3)	16 1/2 (419.1)	6 55/64 (174.2)	11 (279.4)	16	1 1/16 (27.0)	42.00 (1066.8)	1/2-14	28.00 (711.2)
336	44.498 (1130.25)	16 1/2 (419.1)	31 11/16 (804.9)	32 3/32 (815.2)	16 1/2 (419.1)	6 55/64 (174.2)	15 (381.0)	16	1 1/16 (27.0)	42.00 (1066.8)	1/2-14	28.00 (711.2)
436	44.498 (1130.25)	16 1/2 (419.1)	36 3/8 (924.2)	36 51/64 (934.6)	16 1/2 (419.1)	6 55/64 (174.2)	20 1/2 (520.7)	16	1 1/16 (27.0)	42.00 (1066.8)	1/2-14	28.00 (711.2)

Dimensions are to be considered as reference only and subject to change. Contact WPT customer service for a current drawing before finalizing design. Certified prints are available on request.

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Worldwide Distribution

