

# Airflex® Water Cooled Brake



## Overview

The third-generation Airflex 36" water cooled tensioning brakes were designed to create an industry-leading, high-energy absorbing dynamic brake. The enhanced internal design with increased water flow, allow improved fluid dynamics and better energy dissipation characteristics. The brake is available with the Airflex dual piston design and the air and water cooled combination style brake that acts as both a dynamic tensioning and static holding brake.

## Applications

- Drawworks
- Mooring winches
- Dynamometers
- Paper mills
- Steel service centers



## Features/Benefits

- Highest HP in class - 1000 HP per disc offers faster tripping time and the potential to downsize the brake in the same application
- More robust design for demanding applications eliminates copper cracking seen in competitive units
- Self supporting brake eliminates costly support brackets
- Higher coolant flow with 60% lower pressure drop
- Robust Teflon™ tape seal eliminates leakage
- Corrosion resistance standard on all WC3G brakes
- Retrofits to existing WC brake mounting
- Easier maintenance and wear adjustments, no machining is required for friction or wear plates
- ABS/CDS agency approval

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Imperial Size				lb-in @ 80 psi			hp	GPM
136WCB3	146572AE	416538	417019	295,000	223,000	71,000	1000	100
236WCB3	146573AE	416536	417023	590,000	446,000	143,000	2000	200
336WCB3	146574AE	416535	416435	885,000	670,000	214,000	3000	300
436WCB3	146575AE	416537	416495	1,180,000	893,000	286,000	4000	400
436WCSB3	146576AE	416676	417099	1,389,000	1,055,640	333,360	3000	300

  

Metric Size	Brake Part Number	Gear Part Number	CR Gear Part Number	Torque Rating Both Pistons	Large Piston Only	Small Piston Only	Thermal Rating	Water Flow
135WCB3	146572AE	416538	417019	33,331	25,196	8,022	750	380
235WCB3	146573AE	416536	417023	66,661	50,391	16,157	1490	760
335WCB3	146574AE	416535	416435	99,992	75,700	24,179	2240	1140
435WCB3	146575AE	416537	416495	133,322	100,895	32,314	2980	1510
435WCSB3	146576AE	416676	417099	156,818	119,182	37,636	2240	1140

  

				Nm @ 5,5 bar			kW	dm3/min
				3333	2519	8022	750	380
				6666	5039	16157	1490	760
				9999	7570	24179	2240	1140
				13332	10089	32314	2980	1510
				15681	11918	37636	2240	1140



Danfoss Power Solutions, Nordborgvej 81, 6430 Nordborg, Denmark, Tel. +45 74 88 22 22, Fax +45 74 65 25 80  
www.danfoss.com, E-mail: info@danfoss.com

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