

	Document Title	Document #	Rev. #
	APPLICATION DATA SHEET - BRAKES	QF-043	1

Please provide as much information as possible to help Kobelt sales and technical staff respond quickly to your inquiry.

1. CONTACT INFORMATION

Customer Name		Date	
Address		Phone	
		Fax	
		Email	
		Signature	

2. SERVICE CONDITIONS

Max. Ambient Temperature		Min. Ambient Temperature	
Corrosivity Class:			
C2 <input type="checkbox"/>	Indoor areas, non-industrial or dry outdoor areas (hoist rooms, test dynometers, conveyors in arid areas)		
C3 <input type="checkbox"/>	Indoor areas, industrial or outdoor areas, non-coastal (steel mills, conveyors in non-arid areas)		
C4 <input type="checkbox"/>	Caustic industrial areas (dry) or coastal areas (ports, coal handling, land based drilling)		
C5 <input type="checkbox"/>	Caustic industrial areas (humid) or offshore/marine applications (bulk terminals, offshore drilling, etc.)		
Power Source:			
Air <input type="checkbox"/>	Hydraulic <input type="checkbox"/>	Electric <input type="checkbox"/>	
Voltage:		Phase:	Frequency:

3. APPLICATION

Intended Duty:

Emergency brake		Service brake	
Parking brake		Tensioning brake	
Other (specify)			

Application:

Hoisting / Drawworks (see sec. 4A)		Service Rig (see sec. 4A & 4B)		Conveyor (see sec 4C)		Propulsion (see sec.4D)	
Other (specify)							

Number of braking cycles per day:	
Instruments required: Release indication <input type="checkbox"/>	Pad wear indication <input type="checkbox"/>
Codes / Standards:	
Replacing a current Brake system? Yes <input type="checkbox"/> No <input type="checkbox"/>	Type/Model?

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4. APPLICATION DATA

4A. HOIST / DRAWWORKS DATA (indicate units for each or select ALL imperial or metric)

1. Hookload (lbs/kg)		2. Travelling Assembly Weight (lbs/kg)	
3. Drum Pitch Diameter (in/mm):		4. Wire Rope Size (in/mm):	
5. Number of Layers:		6. Block / Hook / Skip Travel (ft/m):	
7. Number of Lines:			
8. Prime Mover:	AC motor <input type="checkbox"/>	DC motor <input type="checkbox"/>	IC engine <input type="checkbox"/>
9. Peak Power (Hp/kW):		10. Motor Speed at Peak Power (rpm):	
11. Peak Torque (lb.ft/Nm):		12. Motor Speed at Peak Torque (rpm):	
13. Reduction Ratio:		14. Rotating Inertia (at drum) (lb.ft/Nm):	
15. Drum Speed (at max hook load) (rpm):			
16. Location of Brakes:	Pinion <input type="checkbox"/>	Drum <input type="checkbox"/>	

4B. SERVICE RIG DATA

Operation	Time (sec)	Average Disc Speed (rpm)	Hook Load (lbs)
Lowering			
Braking			
Disconnect Pipe			
Raising			
Reconnect Pipe			

4C. CONVEYOR DATA

1. Capacity (tn/t):		2. Belt Speed (rpm):	
3. Pulley Diameter (in/mm):		4. Belt Dimensions (in/mm):	
5. Vertical Drop (in/mm):		6. Conveyor Length (in/mm):	
7. Motor Power (Hp/kW):		8. Motor Speed (rpm):	
9. Number of Drives:		10. Reduction Ratio:	
11. Stopping Time:		12. Rotating Inertia (at pulley) (lb.ft/Nm):	

4D. PROPULSION BRAKES

Motor Power (Hp/kW):		Motor Speed at Peak Power (rpm):	
Reduction Ratio:		Number of Propellers:	