

ENGINEERING  
TOMORROW



Catalog

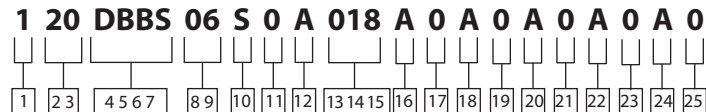
## Airflex® Model Codes



**VICKERS**  
by Danfoss

# Airflex® DBBS Brakes

## Model Codes



### 1 Number of Discs

- 1 - 1 Disc
- 2 - 2 Discs
- 3 - 3 Discs
- 4 - 4 Discs

### 23 Disc Diameter

- 20 - 20" Disc Diameter
- 25 - 25" Disc Diameter
- 38 - 38" Disc Diameter
- 50 - 50" Disc Diameter

### 4 5 6 7 Product Line

- DBBS - Disc Brake, Spring Applied, Version B, Solid Rotor

### 8 9 Mounting Flange

- 01 - 20DBBS 28.200 OD, 26.75 BCD, 12x0.781 Inch Mounting Holes
- 02 - 20DBBS 23.997 OD, 22.50 BCD, 12x0.656 Inch Mounting Holes
- 03 - 20DBBS 28.247 OD, 26.75 BCD, 12x0.866 Metric Mounting Holes
- 04 - 20DBBS 24.012 OD, 22.50 BCD, 12x0.708 Metric Mounting Holes
- 05 - 20DBBS 28.488 OD, 26.75 BCD, 12x0.827 Metric Mounting Holes
- 06 - 20DBBS 23.250 OD, 22.00 BCD, 12x0.656 Inch Mounting Holes
- 07 - 20DBBS 29.380 OD, 25.00 BCD, 6x1.063 Inch Mounting Holes
- 08 - 20DBBS 23.500 OD, 22.00 BCD, 12x0.656 Inch Mounting Holes
- 31 - 25DBBS 32.502 OD, 31.00 BCD, 12x0.781 Inch Mounting Holes
- 32 - 25DBBS 32.598 OD, 31.00 BCD, 12x0.827 Metric Mounting Holes
- 33 - 25DBBS 30.630 OD, 28.75 BCD, 12x0.656 Inch Mounting Holes
- 35 - 25DBBS 30.630 OD, 28.75 BCD, 12x0.781 Inch Mounting Holes
- 51 - 38DBBS 44.750 OD, 42.00 BCD, 16x1.062 Inch Mounting Holes
- 52 - 38DBBS 54.500 OD, 50.50 BCD, 4x1.5625 Inch Mounting Holes
- 53 - 38DBBS 46.340 OD, 42.00 BCD, 16x1.062 Inch Mounting Holes
- 71 - 50DBBS 57.130 OD, 54.00 BCD, 16x1.438 Inch Mounting Holes

### 10 Friction Type

- S - Standard
- L - Lo-Co
- H - Hi-Co
- A - ATEX
- E - Enhanced NF-621

### 11 Self Support

- 0 - None
- 1 - Self Support

### 12 Environment/Material

- A - Standard
- B - Corrosion Resistant
- C - Cold Weather
- D - CR & Cold Weather

### 13 14 15 Applied Spring Quantity\*

- 018 - 18 Springs (Standard for 20")
- 048 - 48 Springs (Standard for 25")
- 096 - 96 Springs (Standard for 38")
- 112 - 112 Springs (Standard for 50")
- ### - ### Springs
- \* 25" & 38" Brakes use spring pairs, 20" & 50" use single springs

### 16 Release Spring Quantity

- A - Standard
- B - Special

### 17 Disc

- 0 - Standard
- 1 - Special splines
- 2 - With disc centering holes

### 18 Disc Centering

- A - No centering
- B - Vertical centering cone
- C - Vertical centering plate
- D - Horizontal centering cone
- E - Horizontal centering plate
- F - Special vertical centering cone

### 19 Increased Clearance

- 0 - Standard/No increased clearance
- 1 - With increased clearance

### 20 Switches and Sensors

- A - Standard/None
- B - Wear indicator
- C - Engage/Disengage Position
- D - Wear indicator + position sensor

### 21 Air Bridge

- 0 - No air bridge
- 1 - Air bridge w/2 ports and flow control valve
- 2 - Air bridge w/3 ports and flow control valve
- 3 - Air bridge w/3 ports

### 22 Quick Release Valve

- A - No quick release valve
- B - With quick release valve
- C - With QRV and muffler

### 23 Shield and Guard

- 0 - No shield, no guard
- 1 - No shield, cone guard
- 2 - No shield, plate guard
- 3 - Standard shield, no guard
- 4 - Standard shield, cone guard
- 5 - Standard shield, plate guard
- 6 - Special shield, no guard
- 7 - Special shield, cone guard
- 8 - Special shield, plate guard

### 24 Certifications

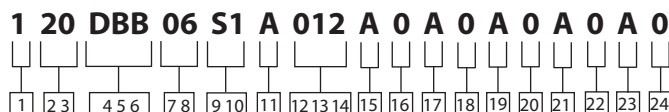
- A - No certifications
- B - ABS certifications
- C - ATEX certification
- D - DNV certification
- E - Certified materials
- F - API certifications

### 25 Paint

- 0 - Standard paint
- 1 - Special paint

# Airflex® DBB Brakes

## Model Codes



### 1 Number of discs

- 1 - 1 Disc
- 2 - 2 Discs
- 3 - 3 Discs
- 4 - 4 Discs

### 23 Disc Diameter

- 09 - 9" Disc Diameter
- 15 - 15" Disc Diameter
- 20 - 20" Disc Diameter
- 25 - 25" Disc Diameter
- 38 - 38" Disc Diameter

### 4 5 6 Product Line

- DBB - Disc Brake, Spring Applied, Version B

### 7 8 Mounting Flange

- 01 - 09DBB 12.124 OD, 11.125 BCD, 6x0.531 Inch Mounting Holes
- 21 - 15DBB 18.770 OD, 17.500 BCD, 6x0.656 Inch Mounting Holes
- 23 - 15DBB 18.770 OD, 17.500 BCD, 6x0.709 Inch Mounting Holes
- 41 - 20DBB 23.250 OD, 22.000 BCD, 12x0.656 Inch Mounting Holes
- 42 - 20DBB 29.015 OD, 26.750 BCD, 12x0.866 Inch Mounting Holes
- 43 - 20DBB 23.250 OD, 22.00 BCD, 12x0.688 Inch Mounting Holes
- 45 - 20DBB 24.012 OD, 22.500 BCD, 12X0.708 Inch Mounting Holes
- 61 - 25DBB 30.630 OD, 28.750 BCD, 12X0.656 Inch Mounting Holes
- 62 - 25DBB 30.630 OD, 28.750 BCD, 12X0.781 Inch Mounting Holes
- 81 - 38DBB 44.750 OD, 42.000 BCD, 16x1.062 Inch Mounting Holes

### 9 10 Friction Type

- S1 - Standard
- L1 - Lo-Co 3-67
- L2 - Lo-Co 3-85
- H1 - Hi-Co Bonded with dust groove and notch

### 11 Environment/Material

- A - Standard
- B - Corrosion Resistant

### 12 13 14 Applied Spring Quantity\*

- 012 - 12 Springs (Std. for 9, 15, & 20")
- 032 - 32 Springs (Standard for 25")
- 064 - 64 Springs (Standard for 38")
- ### - ### Springs
- \* 25" & 38" Brakes use spring pairs, 9", 15", & 20" use single springs

### 15 Release Spring Quantity

- A - Standard
- B - Special

### 16 Disc

- 0 - Standard
- 1 - Special splines
- 2 - Bonded friction

### 17 Disc Centering

- A - No centering
- B - Vertical centering cone
- C - Horizontal centering cone

### 18 Increased Clearance

- 0 - Standard/No increased clearance
- 1 - With increased clearance

### 19 Switches and Sensors

- A - Standard/None
- B - Wear indicator & engage/disengage position
- C - Wear indicator
- D - Engage/disengage position

### 20 Air Bridge

- 0 - No air bridge
- 1 - Air bridge w/2 ports and flow control valve
- 2 - Air bridge w/3 ports and flow control valve

### 21 Quick Release Valve

- A - No quick release valve
- B - With quick release valve
- C - With QRV and muffler

### 22 Shield and Guard

- 0 - No shield, no guard
- 1 - No shield, cone guard
- 2 - No shield, plate guard
- 3 - Standard shield, no guard
- 4 - Standard shield, cone guard
- 5 - Standard shield, plate guard
- 6 - Special shield, no guard
- 7 - Special shield, cone guard
- 8 - Special shield, plate guard

### 23 Certifications

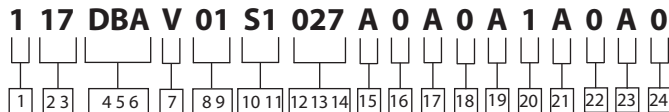
- A - No certifications
- B - ABS certifications
- C - ATEX certification
- D - DNV certification
- E - Certified materials
- F - API certifications

### 24 Paint

- 0 - Standard paint
- 1 - Special paint

# Airflex® DBA Brakes

## Model Codes



### 1 Number of discs

- 1 - 1 Disc
- 2 - 2 Discs
- 3 - 3 Discs

### 23 Disc Diameter

- 17 - 17" Disc Diameter
- 20 - 20" Disc Diameter
- 29 - 29" Disc Diameter

### 456 Product Line

- DBA - Disc Brake, Spring Applied, Version A

### 7 Disc Type

- S - Solid
- V - Ventilated

### 89 Mounting Flange

- 01 - 17DBA 25.250 OD, 21.000 BCD, 6x0.780 Inch Mounting Holes
- 02 - 17DBA 23.000 OD, No BCD, 4x0.780 Inch Mounting Holes
- 03 - 17DBA 24.000 OD, 22.438 BCD, 12x0.709 Inch Mounting Holes
- 31 - 21DBA 29.250 OD, 27.000 BCD, 6x1.060 Inch Mounting Holes
- 32 - 21DBA 34.000 OD, 31.000 BCD, 6x1.060 Inch Mounting Holes
- 33 - 21DBA 26.500 OD, No BCD, 4x0.906 Inch Mounting Holes
- 34 - 21DBA 26.500 OD, 23.000 BCD, 6x1.060 Inch Mounting Holes
- 61 - 29DBA 34.000 OD, 31.000 BCD, 6x1.060 Inch Mounting Holes
- 62 - 29DBA 47.500 OD, 43.500 BCD, 4x1.560 Inch Mounting Holes
- 63 - 29DBA 36.500 OD, 35.000 BCD, 12x0.780 Inch Mounting Holes
- 64 - 29DBA 34.000 OD, 31.000 BCD, 6x1.060 Inch Mounting Holes
- 66 - 29DBA 34.000 OD, 31.000 BCD, 6x1.000 Inch Mounting Holes
- 67 - 29DBA 54.500 OD, No BCD, 4x1.560 Inch Mounting Holes
- 68 - 29DBA 37.000 OD, 35.500 BCD, 9x0.780 Inch Mounting Holes

### 1011 Friction Type

- S1 - Standard 3-61

### 121314 Applied Spring Quantity\*

- 027 - 27 Springs (Standard for 17")
- 048 - 48 Springs (Std for 21" & 29")
- ### - ### Springs
- \* 21" & 29" Brakes use spring pairs, 17" use single springs

### 15 Release Spring Quantity

- A - Standard
- B - Special

### 16 Disc

- 0 - Standard
- 1 - Special splines
- 2 - Bonded friction

### 17 Disc Centering

- A - No centering
- B - Vertical centering cone
- C - Horizontal centering cone
- D - Vertical centering plate
- E - Horizontal centering plate

### 18 Increased Clearance

- 0 - Standard/No increased clearance
- 1 - With increased clearance

### 19 Switches and Sensors

- A - Standard/None
- B - Wear indicator & engage/disengage position
- C - Wear indicator
- D - Engage/disengage position

### 20 Air Bridge

- 0 - No air bridge
- 1 - Air bridge w/3 ports and flow control valve
- 2 - Air bridge w/2 ports

### 21 Quick Release Valve

- A - No quick release valve
- B - With quick release valve
- C - With QRV and muffler

### 22 Shield and Guard

- 0 - No shield, no guard
- 1 - No shield, cone guard
- 2 - No shield, plate guard
- 3 - Standard shield, no guard
- 4 - Standard shield, cone guard
- 5 - Standard shield, plate guard
- 6 - Special shield, no guard
- 7 - Special shield, cone guard
- 8 - Special shield, plate guard

### 23 Certifications

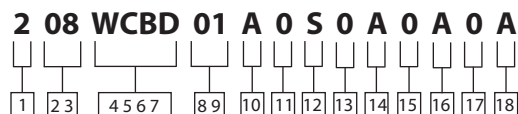
- A - No certifications
- B - ABS certifications
- C - ATEX certification
- D - DNV certification
- E - Certified materials
- F - API certifications

### 24 Paint

- 0 - Standard paint
- 1 - Special paint

# Airflex® WCB Brakes

## Model Codes



### 1 Number of discs

- 1 - 1 Disc
- 2 - 2 Discs
- 3 - 3 Discs
- 4 - 4 Discs

### 2 3 Disc Diameter

- 08 - 8" Disc Diameter
- 14 - 14" Disc Diameter
- 24 - 24" Disc Diameter
- 36 - 36" Disc Diameter
- 48 - 48" Disc Diameter

### 4 5 6 7 Product Line

- WCB2 - Water Cooled 2nd Gen Single Piston Brake
- WCB D - Water Cooled 2nd Gen Dual Piston Brake
- WCB3 - Water Cooled 3rd Gen Dual Piston Brake
- WCBH - Water Cooled Hydraulic Brake

### 8 9 Mounting Flange

- 01 - 08WCB 12.125 OD, 11.125 BCD, 4x0.531 Inch Mounting Holes
- 11 - 14WCB 18.750 OD, 17.500 BCD, 6x0.656 Inch Mounting Holes
- 21 - 18WCB 23.690 OD, 22.00 BCD, 10x0.656 Inch Mounting Holes
- 31 - 24WCB 30.380 OD, 28.750 BCD, 10x0.656 Inch Mounting Holes
- 41 - 36WCB 44.490 OD, 42.000 BCD, 14x1.062 Inch Mounting Holes
- 51 - 48WCB 57.210 OD, 53.688 BCD, 16x2.375 Inch Mounting Holes

### 10 Ports

- A - NPT
- B - SAE
- C - BSPP

### 11 Friction Style

- 0 - Complete ring friction
- 1 - Segmented friction

### 12 Friction

- S - Standard
- L - Mid-Co
- H - Hi-Co

### 13 Environment/Material

- 0 - Standard
- 1 - Corrosion Resistant
- 2 - Cold version

### 14 Disc Type

- A - Standard
- B - Special splines
- C - With disc centering holes
- D - Bonded friction

### 15 Support bracket

- 0 - Standard, no bracket
- 1 - With support bracket

### 16 Certifications

- A - No certifications
- B - ABS certifications
- C - ATEX certification
- D - DNV certification
- E - Certified materials
- F - API certifications

### 17 Dyno Quality

- 0 - Standard
- 1 - Dyno Quality

### 18 Paint

- A - Standard paint
- B - Special paint

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**VICKERS**  
by Danfoss

**Danfoss Power Solutions**, Nordborgvej 81, 6430 Nordborg, Denmark, Tel. +45 74 88 22 22, Fax +45 74 65 25 80

[www.danfoss.com](http://www.danfoss.com), E-mail: [info@danfoss.com](mailto:info@danfoss.com)

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