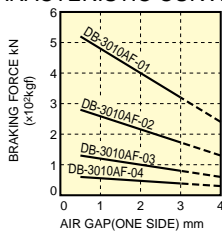


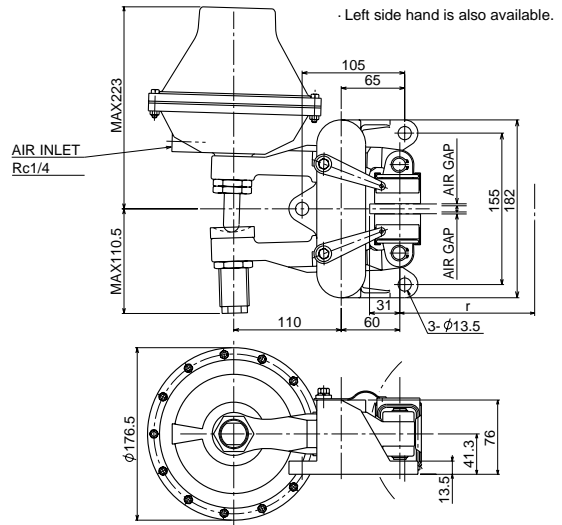
## DB-3010AF



### ● CHARACTERISTIC CURVE



COEFFICIENT OF DYNAMIC FRICTION 0.3



### ● SPECIFICATION

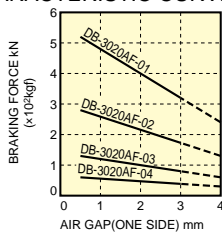
MODEL TYPE	DB-3010AF
USABLE DISC DIA (mm)	φ200-∞
DISC THICKNESS (mm)	10
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left( \frac{\text{DISC DIA}}{2} - 31 \right)$
PAD MODEL TYPE	DB-0433-K ※※※
WEAR ALLOWANCE OF PAD (mm)	7
AREA OF CYLINDER (cm <sup>2</sup> )	110
MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm <sup>2</sup> )
WEIGHT (kg)	11
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN-m)} = kN \times r$

Pad for only holding (static  $\mu$ ) is available for application for holding brake.

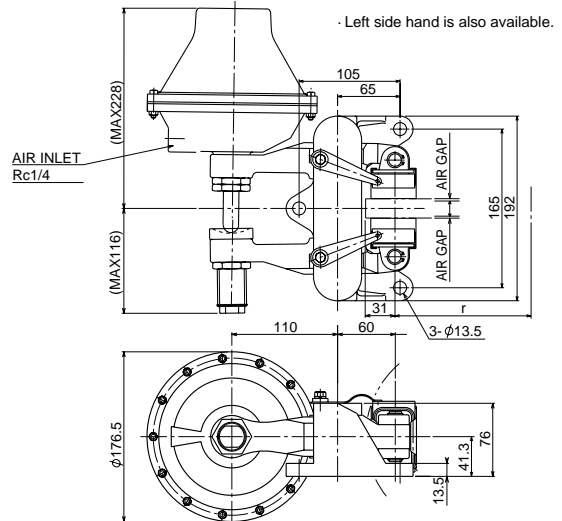
## DB-3020AF



### ● CHARACTERISTIC CURVE



COEFFICIENT OF DYNAMIC FRICTION 0.3



### ● SPECIFICATION

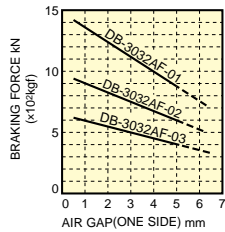
MODEL TYPE	DB-3020AF
USABLE DISC DIA (mm)	φ200-∞
DISC THICKNESS (mm)	20
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left( \frac{\text{DISC DIA}}{2} - 31 \right)$
PAD MODEL TYPE	DB-0433-K ※※※
WEAR ALLOWANCE OF PAD (mm)	7
AREA OF CYLINDER (cm <sup>2</sup> )	110
MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm <sup>2</sup> )
WEIGHT (kg)	12.5
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN-m)} = kN \times r$

Pad for only holding (static  $\mu$ ) is available for application for holding brake.

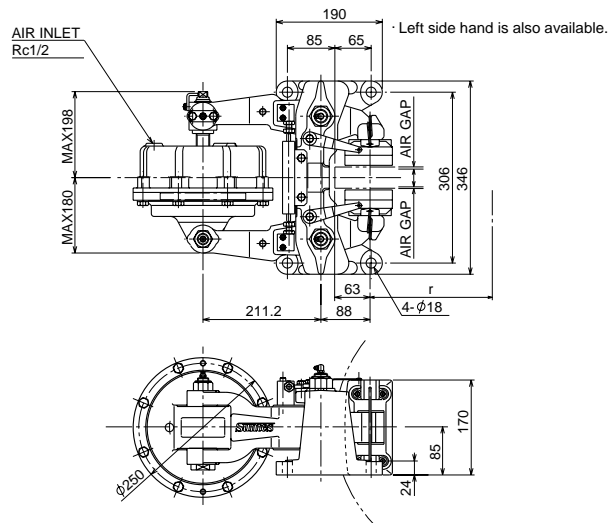
## DB-3032AF



### ● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3

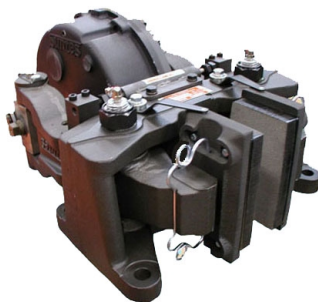


### ● SPECIFICATION

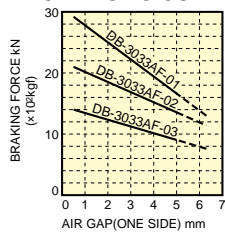
MODEL TYPE	3032AF-01	3032AF-11
· USABLE DISC DIA (mm)	φ500-∞	
· DISC THICKNESS (mm)	38	50
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left( \frac{\text{DISC DIA}}{2} - 63 \right)$	
· PAD MODEL TYPE	DB-0435-K ※※※	
· WEAR ALLOWANCE OF PAD (mm)	15	
· AREA OF CYLINDER (cm <sup>2</sup> )	301.6	
· MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm <sup>2</sup> )	
· WEIGHT (kg)	66	
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r	

Pad for only holding (static  $\mu$ ) is available for applicatio for holding brake.

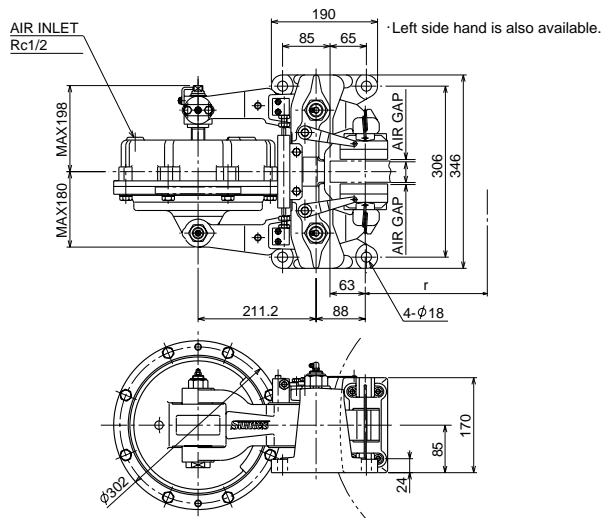
## DB-3033AF



### ● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3

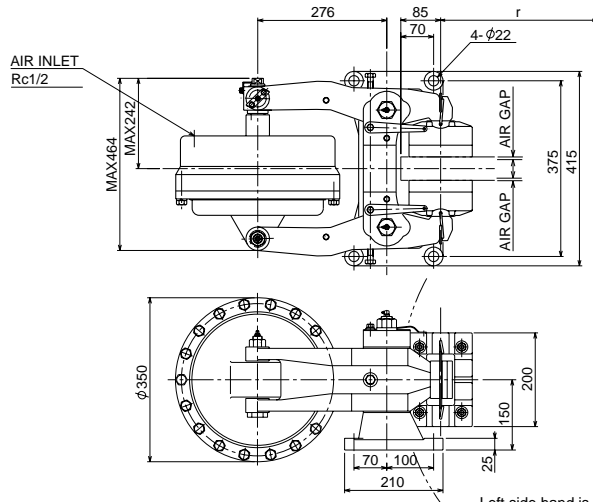
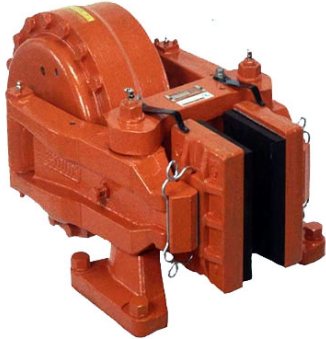


### ● SPECIFICATION

MODEL TYPE	3033AF-01	3033AF-11
· USABLE DISC DIA (mm)	φ500-∞	
· DISC THICKNESS (mm)	38	50
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left( \frac{\text{DISC DIA}}{2} - 63 \right)$	
· PAD MODEL TYPE	DB-0435-K ※※※	
· WEAR ALLOWANCE OF PAD (mm)	15	
· AREA OF CYLINDER (cm <sup>2</sup> )	478.3	
· MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm <sup>2</sup> )	
· WEIGHT (kg)	78	
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r	

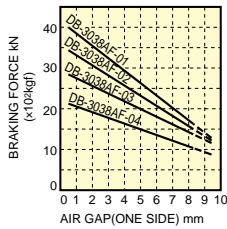
Pad for only holding (static  $\mu$ ) is available for applicatio for holding brake.

# DB-3038AF



· Left side hand is also available.

### ● CHARACTERISTIC CURVE



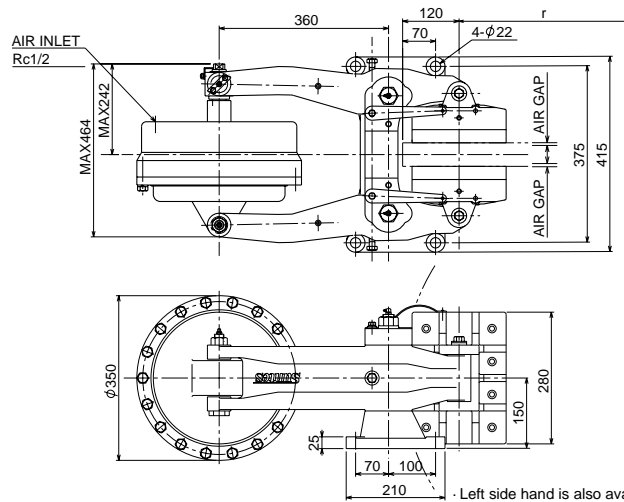
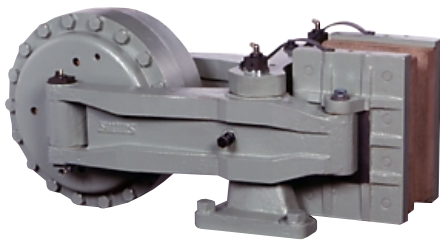
· COEFFICIENT OF DYNAMIC FRICTION 0.3

### ● SPECIFICATION

MODEL TYPE	3038AF-01	3038AF-11	3038AF-21
· USABLE DISC DIA (mm)		φ600~∞	
· DISC THICKNESS (mm)	50	75	100
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left( \frac{\text{DISC DIA}}{2} - 85 \right)$		
· PAD MODEL TYPE	DB-0455-K01※	DB-0455-K02※	DB-0455-K03※
· WEAR ALLOWANCE OF PAD (mm)	20		
· AREA OF CYLINDER (cm <sup>2</sup> )	687		
· MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm <sup>2</sup> )		
· WEIGHT (kg)	140		
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r		

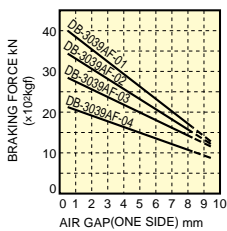
Pad for only holding (static  $\mu$ ) is available for application for holding brake.

# DB-3039AF



· Left side hand is also available.

### ● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3

### ● SPECIFICATION

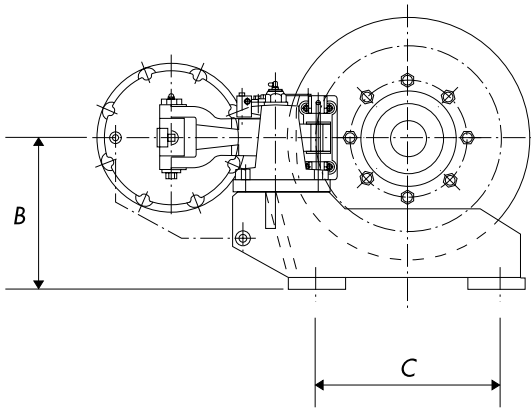
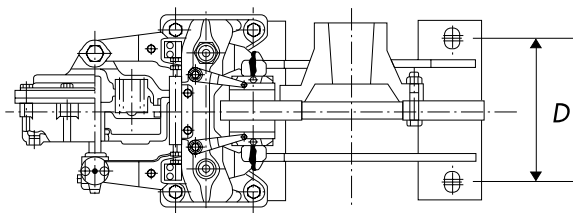
MODEL TYPE	3039AF-01	3039AF-11	3039AF-21
· USABLE DISC DIA (mm)		φ900~∞	
· DISC THICKNESS (mm)	50	75	100
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left( \frac{\text{DISC DIA}}{2} - 120 \right)$		
· PAD MODEL TYPE	DB-0454-K01※	DB-0454-K02※	DB-0454-K03※
· WEAR ALLOWANCE OF PAD (mm)	20		
· AREA OF CYLINDER (cm <sup>2</sup> )	687		
· MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm <sup>2</sup> )		
· WEIGHT (kg)	170		
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r		

Pad for only holding (static  $\mu$ ) is available for application for holding brake.

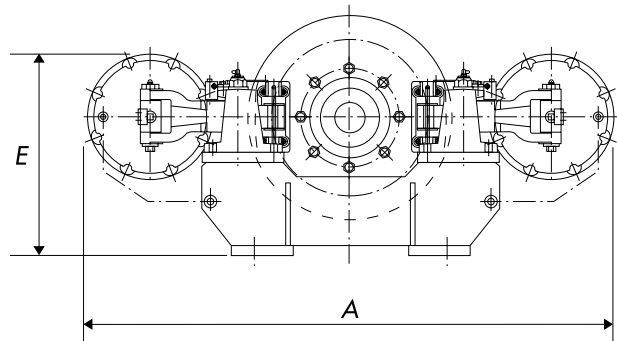
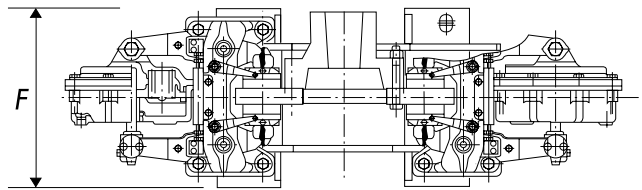
# DBF-100 Series

- Applicable for JEM1120 Installing Dimension.
- DBA Series (Pneumatic Disc Brake) and

## ● Small Type



## ● Large Type



### ● DIMENSION LIST: mm

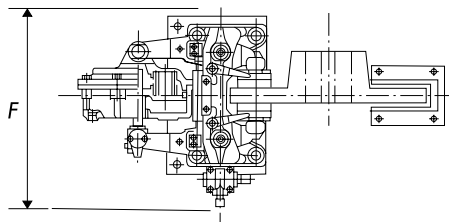
Unit Model Type	A	B	C	D	E	F (MAX.)	Max. Brake torque kN · m (×10 <sup>2</sup> kg · m)
DBF-103	491	178	164	146	246	364	0.6
DBF-104	557	213	204	160	281	364	0.88
DBF-105	843	250	292	228	318	364	1.8
DBF-106	882	308	380	272	459	378	5.3
DBF-107	1275	336	470	330	487	378	10.8
DBF-108	1475	403	596	406	554	378	16

\*Brake with air panel is also available.

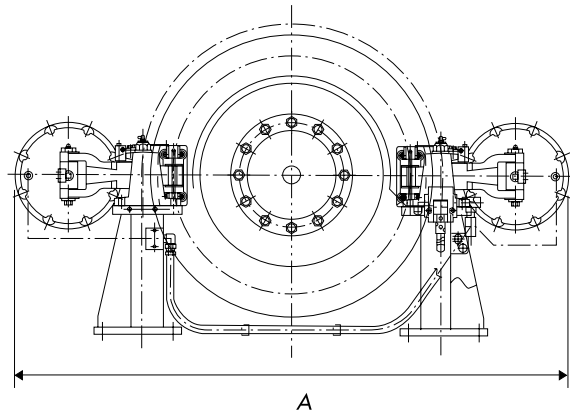
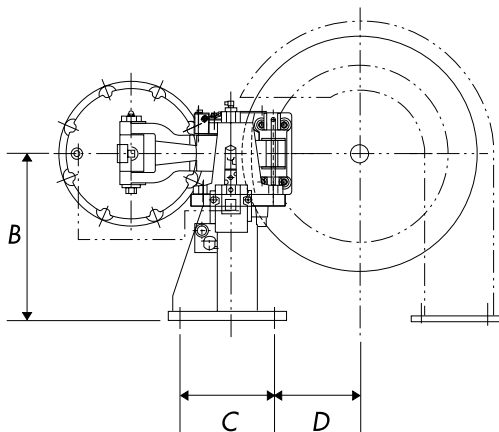
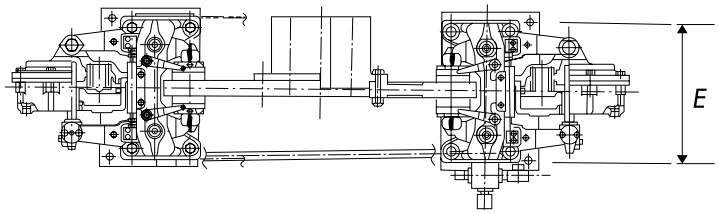
# DBF-200 Series

● DBA Series (Pneumatic Disc Brake) and

● Small Type



● Large Type



● DIMENSION LIST: mm

Unit Model Type	A	B	C	D	E	F (MAX.)	Max. Brake torque kN·m (x10 <sup>2</sup> kgf·m)
DBF-203	539	180	100	119	140	316	0.18
DBF-204	592	220	130	84	210	364	0.45
DBF-205	903	220	130	124	210	364	1.26
DBF-206	1053	350	130	199	210	364	1.92
DBF-207	932	350	200	185	350	400	3.8
DBF-208	1272	450	200	335	350	400	6.9
DBF-209	1574	450	200	335	350	400	13.4

\*Brake with air panel is also available.