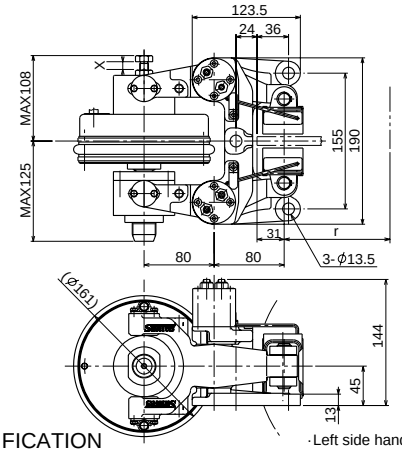
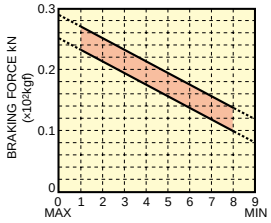
SA Electromagnetic Disc Brake PAT.

[Spring Applied Electromagnetic Release]

DB-4010EF



●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3
・(Remark) Use Air Gap within 2mm at one side.

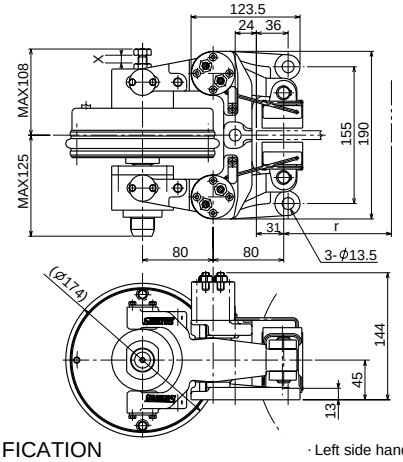
●SPECIFICATION

・Left side hand is also available.

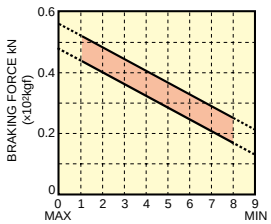
・MODEL TYPE		DB-4010EF
・USABLE DISC DIA	(mm)	φ200~∞
・DISC THICKNESS	(mm)	10
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
・PAD MODEL TYPE		DB-0433-K01B
・WEAR ALLOWANCE OF PAD	(mm)	7
・DASH SUPPLY VOLTAGE	(V)	DC150~210
・KEEP SUPPLY VOLTAGE	(V)	DC20~31
・POWER CONSUMPTION	(W)	14 (CONDUCTION CONTINUOUSLY AT DC31V)
・DUTY RATE		360 C/H・50%ED OR CONTINUOUSLY KEEPING DUTY RATE
・SUITABLE POWER SUPPLY BOX		AP-2403 *
・WEIGHT	(kg)	19
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

Pad for only holding (static μ) is available for application for holding brake.
*For detail refer page 32.

DB-4011EF



●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3
・(Remark) Use Air Gap within 2mm at one side.

●SPECIFICATION

・Left side hand is also available.

・MODEL TYPE		DB-4011EF
・USABLE DISC DIA	(mm)	φ200~∞
・DISC THICKNESS	(mm)	10
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
・PAD MODEL TYPE		DB-0433-K01B
・WEAR ALLOWANCE OF PAD	(mm)	7
・DASH SUPPLY VOLTAGE	(V)	DC150~210
・KEEP SUPPLY VOLTAGE	(V)	DC20~31
・POWER CONSUMPTION	(W)	17 (CONDUCTION CONTINUOUSLY AT DC31V)
・DUTY RATE		360 C/H・50%ED OR CONTINUOUSLY KEEPING DUTY RATE
・SUITABLE POWER SUPPLY BOX		AP-2403 *
・WEIGHT	(kg)	20
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

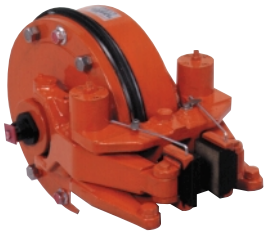
Pad for only holding (static μ) is available for application for holding brake.
*For detail refer page 32.

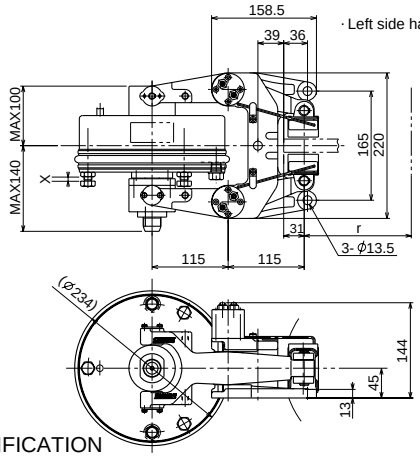
*Dimensions and specifications might be changed for improvement without notice.

SA Electromagnetic Disc Brake PAT.

[Spring Applied Electromagnetic Release]

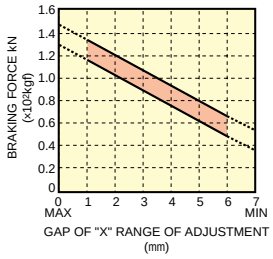
DB-4020EF





· Left side hand is also available.

●CHARACTERISTIC CURVE



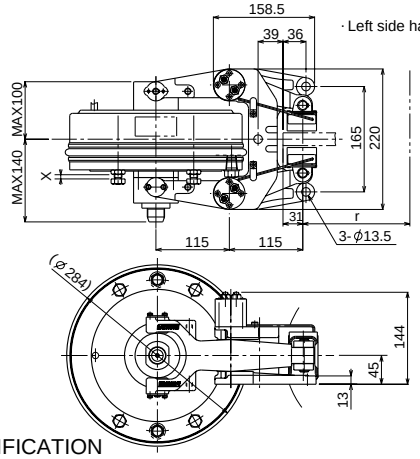
· COEFFICIENT OF DYNAMIC FRICTION 0.3
· (Remark) Use Air Gap within 2mm at one side.

●SPECIFICATION

· MODEL TYPE		DB-4020EF
· USABLE DISC DIA	(mm)	φ200~∞
· DISC THICKNESS	(mm)	20
· EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
· PAD MODEL TYPE		DB-0433-K01B
· WEAR ALLOWANCE OF PAD	(mm)	7
· DASH SUPPLY VOLTAGE	(V)	DC150~210
· KEEP SUPPLY VOLTAGE	(V)	DC20~31
· POWER CONSUMPTION	(W)	25 (CONDUCTION CONTINUOUSLY AT DC31V)
· DUTY RATE		360 C/H·50%ED OR CONTINUOUSLY KEEPING DUTY RATE
· SUITABLE POWER SUPPLY BOX		AP-2403 *
· WEIGHT	(kg)	39
· TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

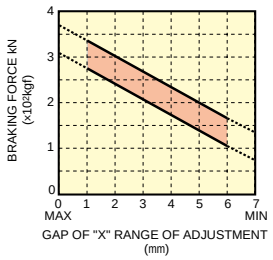
Pad for only holding (static μ) is available for application for holding brake.
*For detail refer page 32.

DB-4021EF



· Left side hand is also available.

●CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3
· (Remark) Use Air Gap within 2mm at one side.

●SPECIFICATION

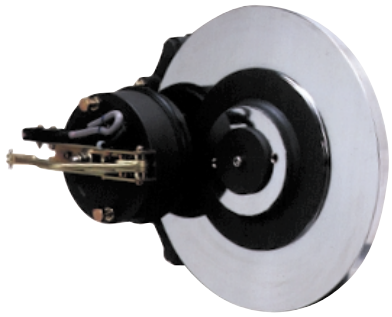
· MODEL TYPE		DB-4021EF
· USABLE DISC DIA	(mm)	φ200~∞
· DISC THICKNESS	(mm)	20
· EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
· PAD MODEL TYPE		DB-0433-K01B
· WEAR ALLOWANCE OF PAD	(mm)	7
· DASH SUPPLY VOLTAGE	(V)	DC150~210
· KEEP SUPPLY VOLTAGE	(V)	DC20~31
· POWER CONSUMPTION	(W)	30 (CONDUCTION CONTINUOUSLY AT DC31V)
· DUTY RATE		360 C/H · 50%ED OR CONTINUOUSLY KEEPING DUTY RATE
· SUITABLE POWER SUPPLY BOX		AP-2403 *
· WEIGHT	(kg)	50
· TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

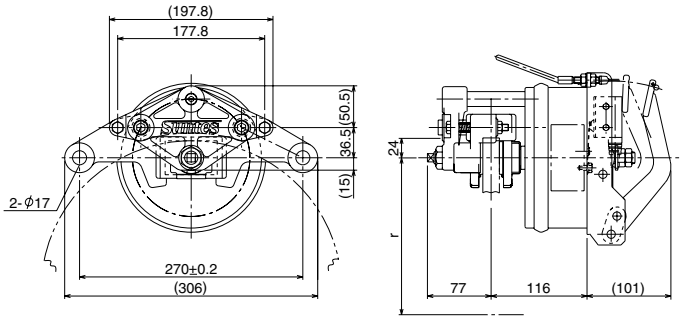
Pad for only holding (static μ) is available for application for holding brake.
*For detail refer page 32.

*Dimensions and specifications might be changed for improvement without notice.

SANYO SHOJI CO.,LTD.

DB-5410EF

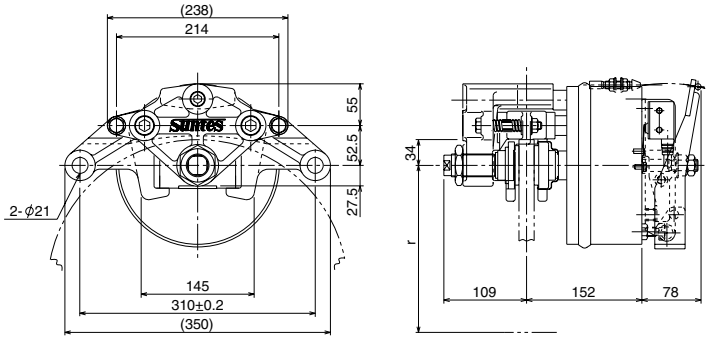




●SPECIFICATION

· MODEL TYPE	DB-5410EF
· USABLE DISC DIA (㎜)	φ350~450
· DISC THICKNESS (㎜)	20
· EFFECTIVE RADIUS OF BRAKING (m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-24)$
· BRAKING FORCE (kN) (AIR GAP, ONESIDE 0.25㎜)	2.85
· COEFFICIENT OF STATIC FRICTION	0.4
· DASH SUPPLY VOLTAGE (V)	DC 90
· KEEP SUPPLY VOLTAGE (V)	DC 50
· POWER CONSUMPTION (W)	28 (CONDUCTION CONTINUOUSLY AT DC50V)
· DUTY RATE	240 C/H · 50%ED
· WEIGHT (kg)	20
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r

EC-5420EF



●SPECIFICATION

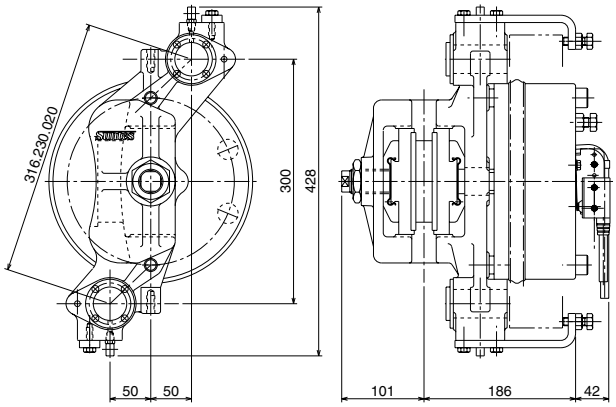
· MODEL TYPE	EC-5420EF
· USABLE DISC DIA (㎜)	φ 390~900
· DISC THICKNESS (㎜)	20
· EFFECTIVE RADIUS OF BRAKING (m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-34)$
· BRAKING FORCE (kN) (AIR GAP, ONESIDE 0.3㎜)	5.33
· COEFFICIENT OF STATIC FRICTION	0.4
· DASH SUPPLY VOLTAGE (V)	DC 100
· KEEP SUPPLY VOLTAGE (V)	DC 65
· POWER CONSUMPTION (W)	52 (CONDUCTION CONTINUOUSLY AT DC65V)
· DUTY RATE	240 C/H · 50%ED
· WEIGHT (kg)	35
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r

*Dimensions and specifications might be changed for improvement without notice.

Electromagnetic Nega. Clamper PAT.

[Spring Applied Electromagnetic Release]

EC-4023EF

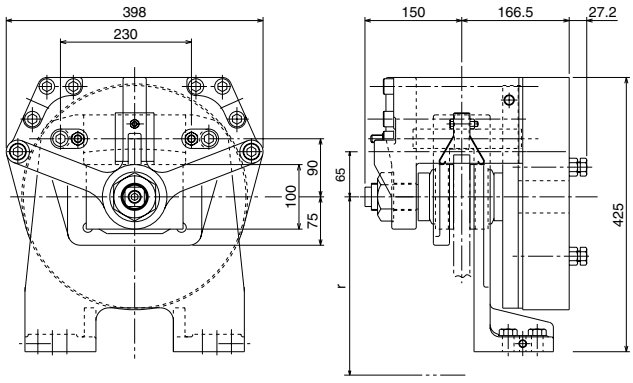


·Left side hand is also available.

●SPECIFICATION

· MODEL TYPE		EC-4023EF
· USABLE DISC DIA	(㎜)	ϕ700~1200
· DISC THICKNESS	(㎜)	20
· EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
· BRAKING FORCE (AIR GAP, ONESIDE 0.25㎜)	(kN)	7.73
· COEFFICIENT OF STATIC FRICTION		0.4
· DASH SUPPLY VOLTAGE	(V)	DC100
· KEEP SUPPLY VOLTAGE	(V)	DC 60
· POWER CONSUMPTION	(W)	73 (CONDUCTION CONTINUOUSLY AT DC60V)
· DUTY RATE		240 C/H · 50%ED
· WEIGHT	(kg)	55
· TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

EC-5430EF



●SPECIFICATION

· MODEL TYPE		EC-5430EF
· USABLE DISC DIA	(㎜)	ϕ1000~1200
· DISC THICKNESS	(㎜)	25
· EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-65)$
· BRAKING FORCE (AIR GAP, ONESIDE 0.3㎜)	(kN)	13.42
· COEFFICIENT OF STATIC FRICTION		0.4
· DASH SUPPLY VOLTAGE	(V)	DC 100
· KEEP SUPPLY VOLTAGE	(V)	DC 60
· POWER CONSUMPTION	(W)	171 (CONDUCTION CONTINUOUSLY AT DC60V)
· DUTY RATE		240 C/H · 50%ED
· WEIGHT	(kg)	145
· TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

*Dimensions and specifications might be changed for improvement without notice.

SANYO SHOJI CO.,LTD.