

# E210 VAR 02

## Electro-Magnetic Single Disc Clutch

### Characteristics

- Electrically operated 24 or 103,5 VDC depending size
- Single friction face
- Activated by power on
- Expected ball bearing life 50 000 hours
- Accepts speeds of rotation superior to series E210 VAR 00

### Utilisation

- Coupling of two shafts in line
- From size 3200, we recommend to engage the clutch at a lower speed (about  $300 \text{ min}^{-1}$ )

### Particularities

- No backlash
- For dry use
- No residual torque in disengaged position
- Fixed inductor mounted on ball bearings

### Adjustments

- Airgap "P" should be adjusted at installation
- Does not require wear compensation

### Maintenance Manual

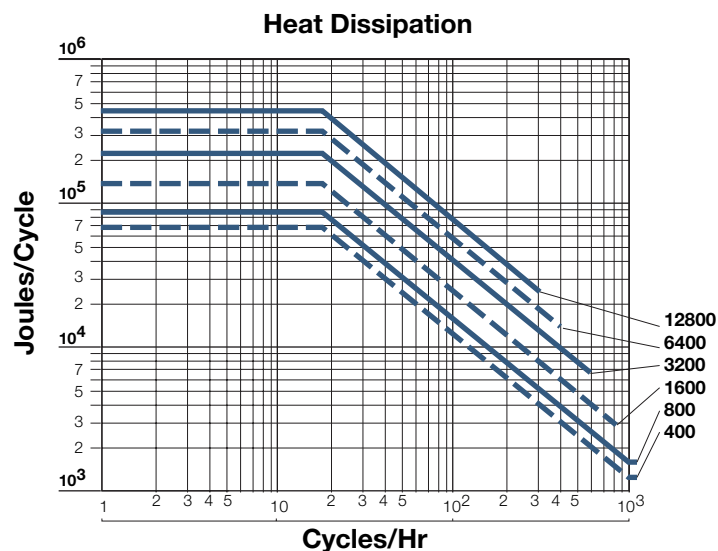
- SM 307

### Mounting Precautions

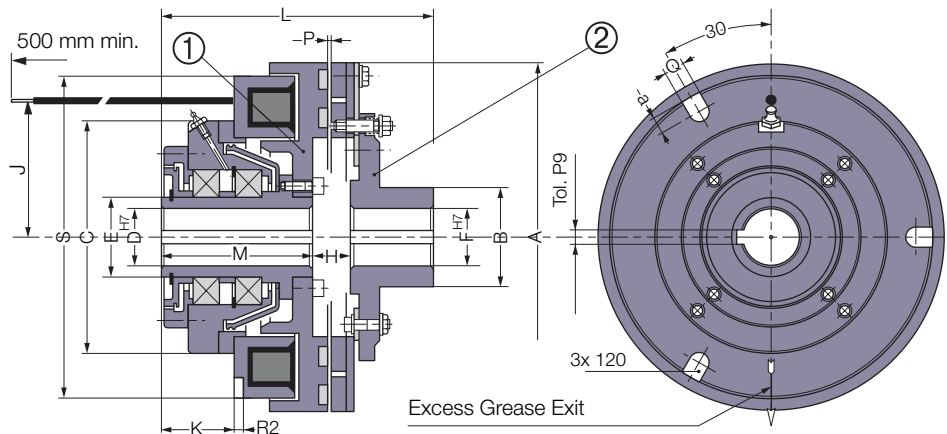
- Device intended for horizontal or vertical use
- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball-bearings.
- We strongly recommend to mount a damping elastic slot in the anti-rotation device in case of vibrations

### Power Supply

- For sizes until 1600 :  
CBC 400–24 - CBC 450–24  
CBC 500–24 - CBC 550–24  
CBC 140–5 + CBC 140–T
- For size 3200 and up: CBC 140–5



## Electro-Magnetic Single Disc Clutch



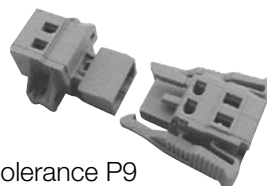
**Long Life  
High Speed  
Direct Drive**

Sizes		400	800	1600	3200	6400	12800
Nom. Torque	[Nm]	400	800	1600	3200	6400	12800
Max. Speed	[min.]	3000	2500	2200	1800	1500	1500
Voltage	[VDC]	24	24	24	103,5	103,5	103,5
Power	P20 [W]	37	47	94	187	264	336
	A	260	300	360	450	560	700
	B	100	120	140	175	230	255
	C	185	220	260	320	404	480
	D* min	35	40	50	65	85	100
	D* max	65	75	90	100	120	130
	E	80	90	110	130	160	180
	F min	35	40	50	65	80	100
	F max	70	80	100	110	150	170
	H	14	16	20	20	22	35
	J	116	133	160	197	248	310
	K	47	46	68	77	77	96
	L	161	177	220	280	315	390
	M	101	107	140	160	175	210
	N	46	54	60	100	118	145
	P	0,5	0,6	0,8	0,8	1	1
	Q	16	18	20	20	20	22
	R2	7	8	10	12	12	12
	a	10	10	12	15	15	18
	S	249	287	340	426	528	662
Inertia	① [kgm <sup>2</sup> ]	0,0635	0,1280	0,3260	0,798	2,749	7,110
Inertia	② [kgm <sup>2</sup> ]	0,0342	0,0736	0,2042	0,681	1,975	5,690
Weight	[kg]	25,5	35,2	61	132	238	400
Connection	Cable						

### Connector Options

(Delivered without cable)

2 poles, capacity : 0,5/2,5mm<sup>2</sup>



Keyways according to  
ISO R773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9

\* Mandatory delivered with finished bores