E220 VAR 02

Electro-Magnetic Single Disc Clutch

Characteristics
- Electrically operated 24 or 103,5 VDC, depending on size
- Single friction face
- Activated by power on
- Expected ball bearing life 50'000 hrs
- Accepts speeds of rotation superior to the series E220 VAR 00

Utilisation
- Coupling of a pulley or a hub
- From size 3200, we recommend to engage the clutch at a lower speed (about 300 min^{-1})

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

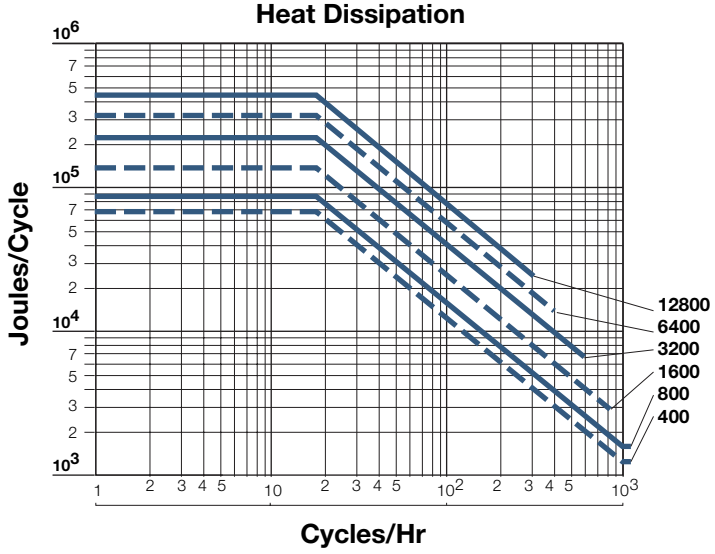
Adjustments
- Airgap "P" should be adjusted at installation
- Does not require wear compensation

Maintenance Manual
- SM 307

Mounting Precautions
- Device intended for horizontal 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

Heat Dissipation



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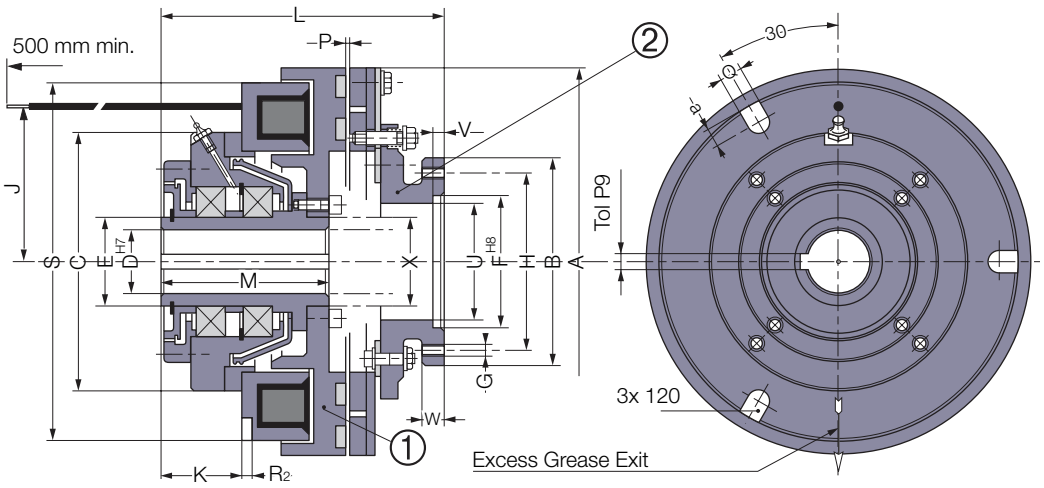
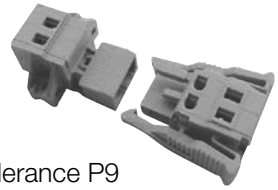


Long Life
High Speed
Indirect Drive

Sizes			400	800	1600	3200	6400	12800
Nom. Torque		[Nm]	400	800	1600	3200	6400	12800
Max. Speed		[min^{-1}]	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		140	155	180	220	295	320
	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		100	115	140	150	180	215
	G		6xM8	6xM10	8xM12	8xM12	8xM16	12xM20
	H		120	135	160	195	260	280
	J		116	133	160	197	248	310
	K		47	46	68	77	77	96
	L		161	177	220	250	280	330
	M		101	107	140	160	175	210
	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
	U		90	106	126	135	160	197
	V		5	5	6	7	8	8
	W		14	15	18	20	25	28
Washer	X max		80	90	115	132	156	175
Inertia	❶	[kgm^2]	0,0635	0,1280	0,3260	0,798	2,749	7,110
Inertia	❷	[kgm^2]	0,0342	0,0736	0,2042	0,658	1,928	5,595
Weight		[kg]	25,5	35,2	61	122	220	380
Connection				**Cable**				

Connector Options

(Delivered without cable)
2 poles, capacity : 0,5/2,5mm^2



Keyways according to
ISO R773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9
* Mandatory delivered with finished bores