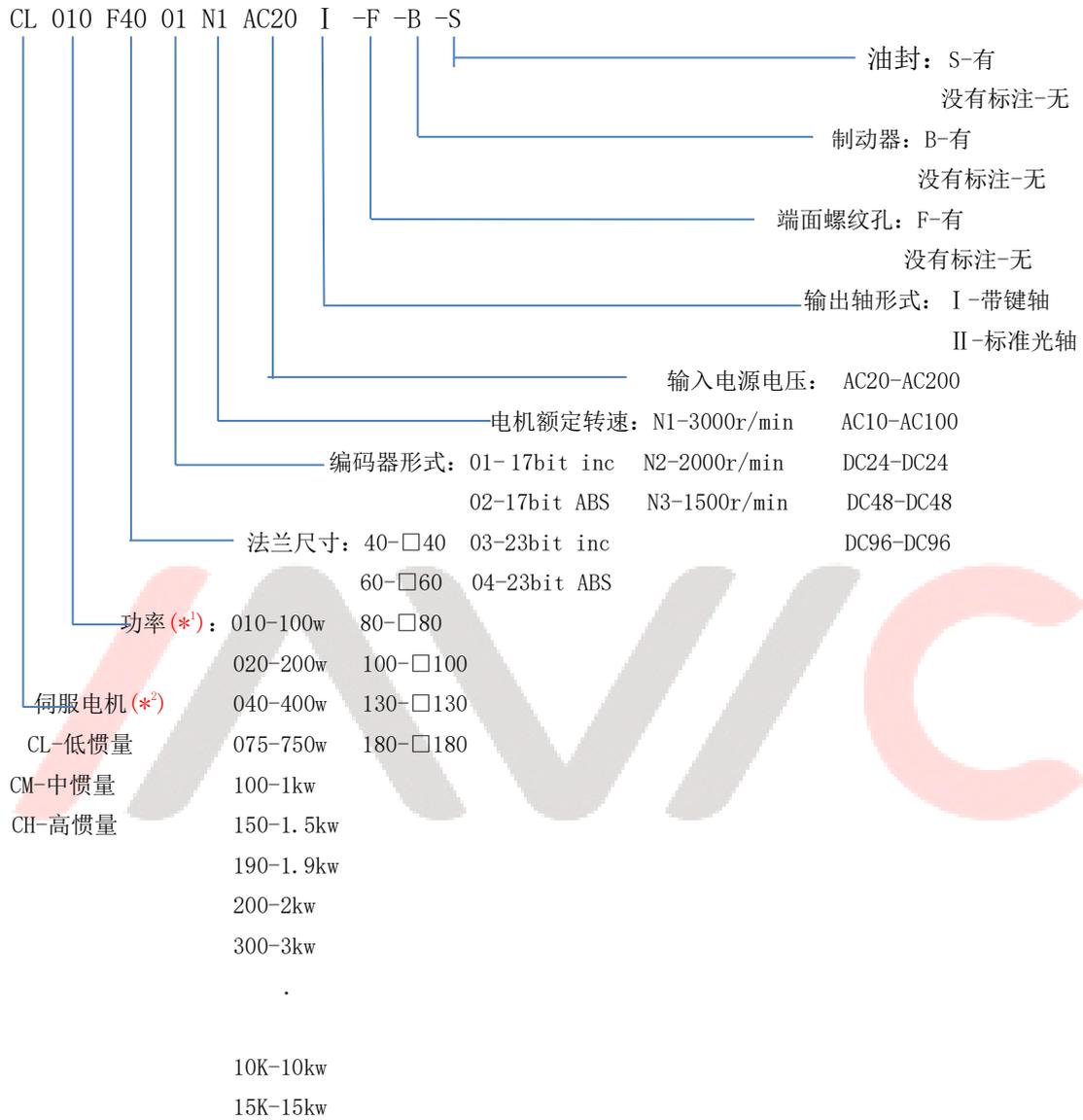


INVIC 电机命名规则



注: (*¹)项大于 5kw 电机正在研发中, 如果有需要, 请联系我司技术人员

(*²)我司暂时仅提供 CL 系列电机, 如需其他系列, 请与我司技术人员联系

编码器形式适用情况

清能德创驱动器：17bit ABS、23 bit ABS

LS 驱动器：17bit ABS、17bit INC、23bit ABS、23bit INC

CL 系列电机

功率	17bit inc	17bit abs	17bit abs 带油封	23bit inc	23bit abs
100W	CL010F4001N1AC20 I	CL010F4002N1AC20 I	CL010F4002N1AC20 I -F-S	CL010F4003N1AC20 I	CL010F4004N1AC20 I
100W+BK	CL010F4001N1AC20 I -B	CL010F4002N1AC20 I -B	CL010F4002N1AC20 I -F-B-S	CL010F4003N1AC20 I -B	CL010F4004N1AC20 I -B
200W	CL020F6001N1AC20 I	CL020F6002N1AC20 I	CL020F6002N1AC20 I -F-S	CL020F6003N1AC20 I	CL020F6004N1AC20 I
200W+BK	CL020F6001N1AC20 I -B	CL020F6002N1AC20 I -B	CL020F6002N1AC20 I -F-B-S	CL020F6003N1AC20 I -B	CL020F6004N1AC20 I -B
400W	CL040F6001N1AC20 I	CL040F6002N1AC20 I	CL040F6002N1AC20 I -F-S	CL040F6003N1AC20 I	CL040F6004N1AC20 I
400W+BK	CL040F6001N1AC20 I -B	CL040F6002N1AC20 I -B	CL040F6002N1AC20 I -F-B-S	CL040F6003N1AC20 I -B	CL040F6004N1AC20 I -B
750w	CL075F8001N1AC20 I	CL075F8002N1AC20 I	CL075F8002N1AC20 I -F-S	CL075F8003N1AC20 I	CL075F8004N1AC20 I
750W+BK	CL075F8001N1AC20 I -B	CL075F8002N1AC20 I -B	CL075F8002N1AC20 I -F-B-S	CL075F8003N1AC20 I -B	CL075F8004N1AC20 I -B

CL 系列电机

功率	17bit abs			17bit abs+刹车
1KW	CL100F10002N1AC20 I	CL100F13002N2AC20 I	CL100F13002N3AC20 I	CL100F13002N3AC20 I -B
1.5KW			CL150F13002N3AC20 I	CL150F13002N3AC20 I -B
1.9KW			CL190F13002N3AC20 I	
2KW	CL100F20002N1AC20 I	CL200F13002N2AC20 I		CL200F13002N2AC20 I -B
3KW		CL300F18002N2AC20 I	CL300F18002N3AC20 I	

红色标注为仅 LS 驱动器能适用的电机型号

详细型号参数

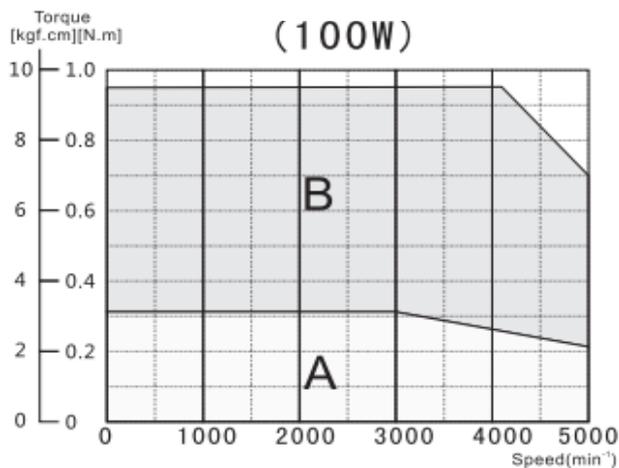
尺寸	□40			□60				□80	
型号	CL005 F□□	CL010 F□□	CL010F□□ (带刹车)	CL020F□□	CL020F□□ (带刹车)	CL040F□□	CL040F□□ (带刹车)	CL075F□□	CL075F□□ (带刹车)
额定功率[W]	50	100	100	200	200	400	400	750	750
额定扭矩[N.m]	0.159	0.318	0.318	0.64	0.64	1.27	1.27	2.39	2.39
额定最大扭矩[N.m]	0.49	0.95	0.95	1.91	1.91	3.82	3.82	7.16	7.16
额定/最大转速[r/min]	3000/5000								
转子惯量[(GD2/4) kg.m ²]	0.05* 10 ⁻⁴	0.043 *10 ⁻⁴	0.052*10 ⁻⁴	0.19*10 ⁻⁴	0.28*10 ⁻⁴	0.34*10 ⁻⁴	0.44*10 ⁻⁴	1.06*10 ⁻⁴	1.3*10 ⁻⁴
每秒最大功率[kw/s]	/	23.5	19.5	21.5	14.5	47.9	36.9	53.6	43.7
机械常数[ms]	0.2	0.8	1	0.9	1.4	0.6	0.8	0.6	0.7
额定电流[A(RMS)]	0.6	1.1	1.1	1.7	1.7	3.3	3.3	5	5
额定最大电流[A(RMS)]	1.7	3	3	5	5	9.7	9.7	14.5	14.5
刹车额定电压[V]	24		24		24		24		24
刹车摩擦扭矩[N.m min]	0.318		0.318		1.27		1.27		2.39
刹车消耗电力[W]			4		8		8		8
绝缘等级	F 级								
使用温度	0~+40℃								
保存温度	-10~+85℃								
耐震性	5G 以下								
使用湿度	80%RH 以下 (不结露)								
IP 等级	标准 IP42, 可支持 IP65								

扭力曲线表

□40 100W

CL010F□□□□AC20

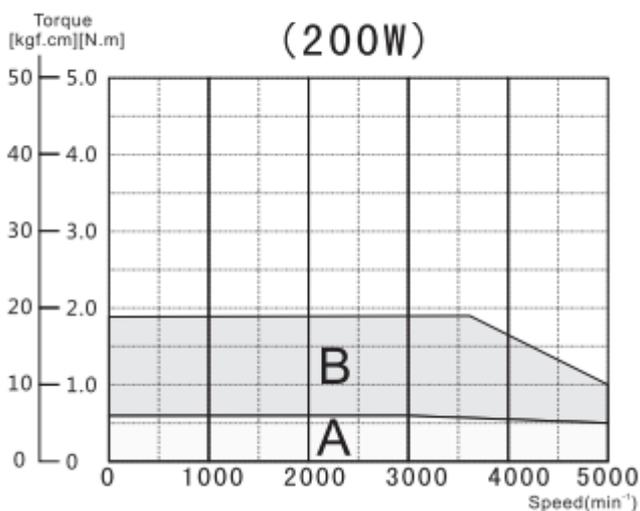
(100W)



□60 200W

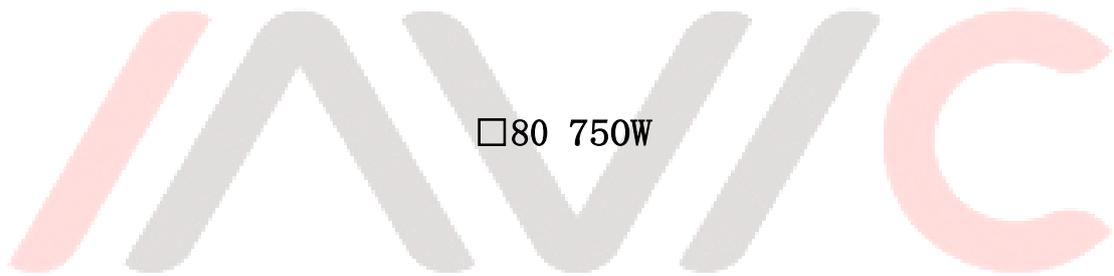
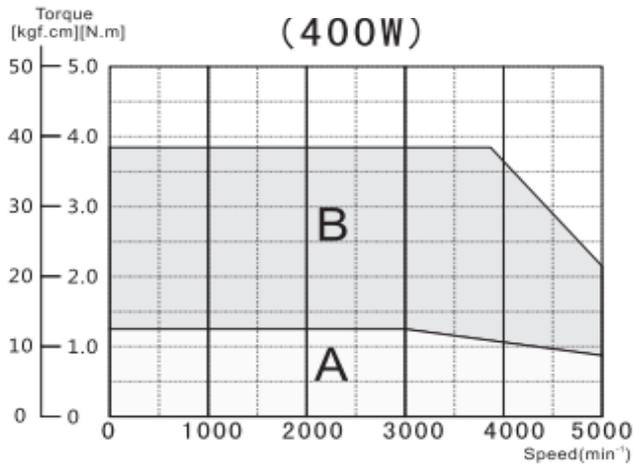
CL020F□□□□AC20

(200W)



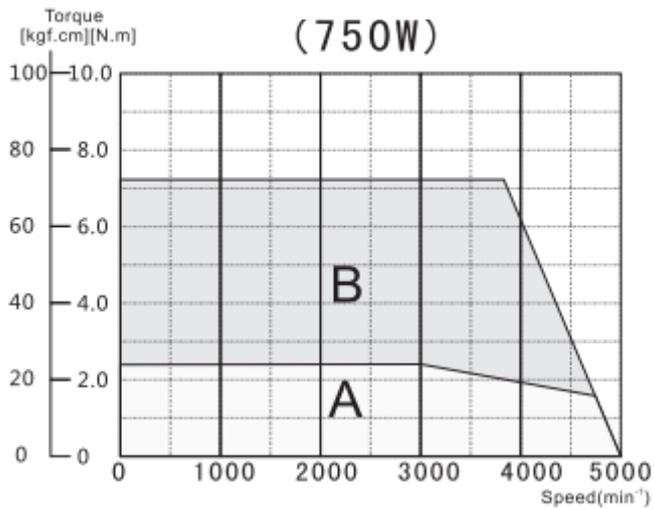
□60 400W

CL040F□□□□AC20



□80 750W

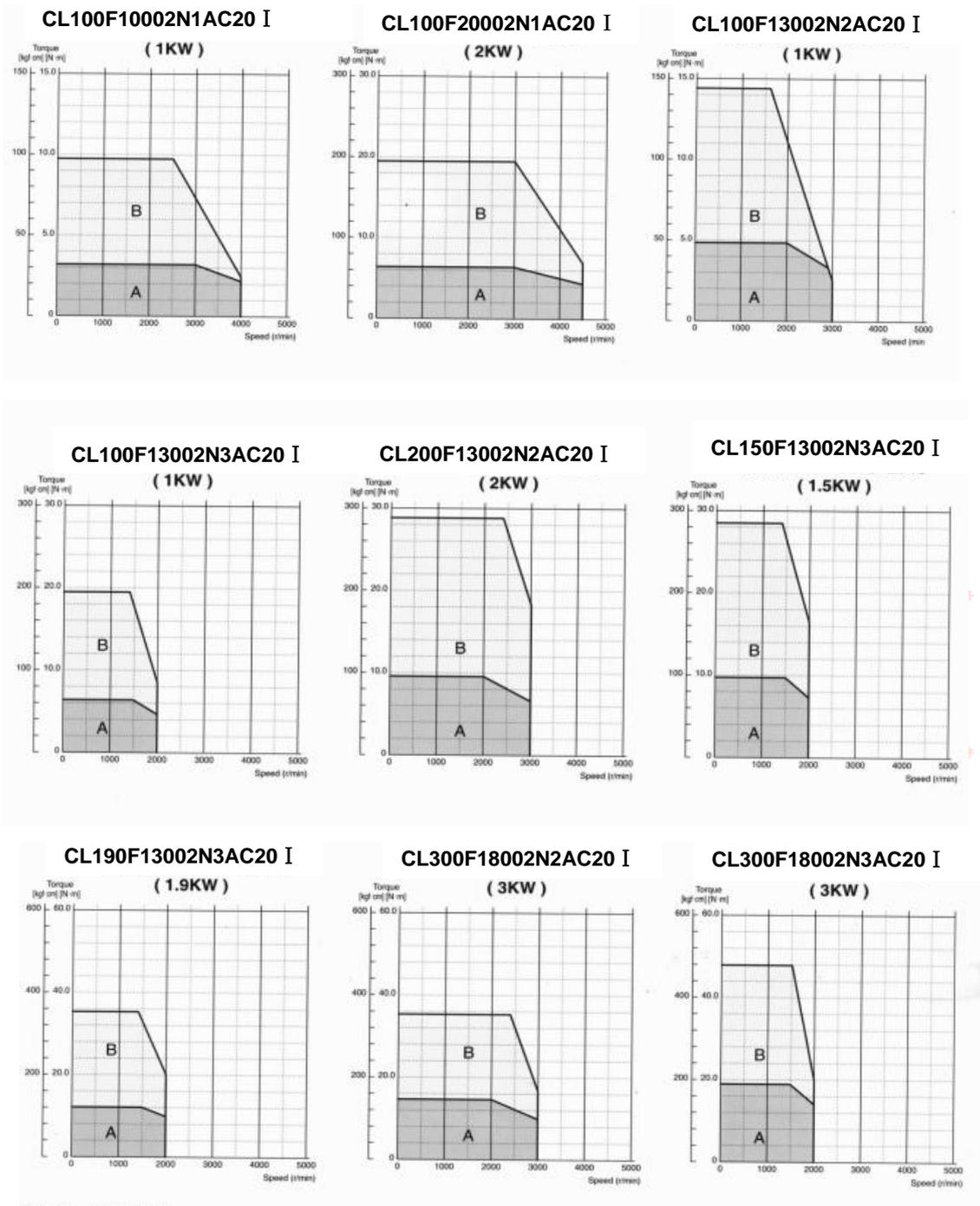
CL075F□□□□AC20



详细型号参数

尺寸	□130			□180	□130		□180	□100		□130
型号	CL100□□N3	CL150□□N3	CL190□□N3	CL300□□N3	CL100□□N2	CL150□□N3	CL300□□N2	CL100F10002N1	CL100F20002N1	CL150□□N3
额定转速 [r/min]	1500				2000			3000		
最大转速 [r/min]	2000				3000			4500		
额定功率[Kw]	1.0	1.5	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
额定扭矩[N.m]	6.4	9.6	12.5	19.1	4.8	9.6	14.3	3.2	6.4	9.6
瞬时最大扭矩 [N.m]	19.2	28.8	37.5	47.7	14.4	28.8	35.8	9.6	19.2	28.8
搭配编码器	2500C/T, 17bitABS 两者皆可									
转子惯量 [*10 ⁻⁴ kg.m ²]	6.39 (6.47)	8.42 (8.50)	10.44 (10.52)	30.74 (31.38)	4.37 (4.55)	8.42 (8.50)	23.54 (24.19)	2.18 (2.30)	3.95 (4.07)	8.42 (8.50)
每秒最大功率 [kw/s]	64.1 (63.3)	109.5 (108.4)	149.7 (148.5)	118.7 (116.3)	52.7 (50.6)	109.5 (108.4)	86.9 (84.5)	47.0 (44.5)	103.7 (100.6)	109.5 (108.4)
机械常数[ms]	0.99 (1.01)	0.82 (0.83)	0.80 (0.81)	0.92 (0.94)	1.20 (1.25)	0.82 (0.83)	1.05 (1.07)	1.15 (1.22)	0.83 (0.86)	0.84 (0.84)
额定电流 [A(rms)]	6.6	10.4	11.5	17.9	6.0	13.8	18.4	6.8	12.8	18.7
瞬时最大电流 [A(rms)]	18.8	30.2	33.7	43.5	16.9	40.0	44.3	18.7	36.5	54.2
重量[kg]	5.4 (8.2)	6.7 (9.5)	8.0 (10.8)	14.7 (22.1)	4.2 (7.0)	6.7 (9.5)	13.5 (20.7)	4.0 (5.7)	5.6 (7.3)	6.7 (9.5)
绝缘等级	F 级									
使用温度	0~+40℃									
保存温度	-10~+85℃									
耐震性	5G 以下									
使用湿度	80%RH 以下 (不结露)									
IP 等级	IP65 (但除轴置通部与连接器部分之外)									

扭力曲线表



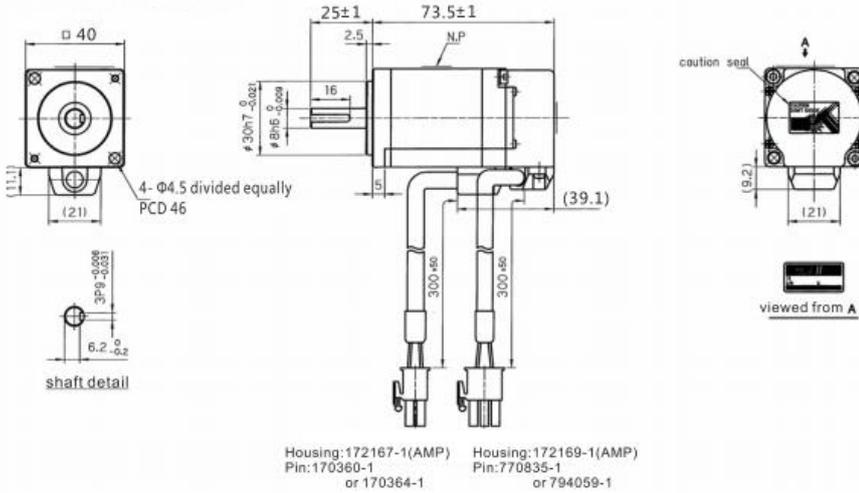
尺寸图

CL010F4002N1AC20 I

尺寸图(标准型) (Sensor/17bit INC,17bit ABS,23bit ABS RESOLVER)

□40(100W)

CL010F4002N1AC20 I

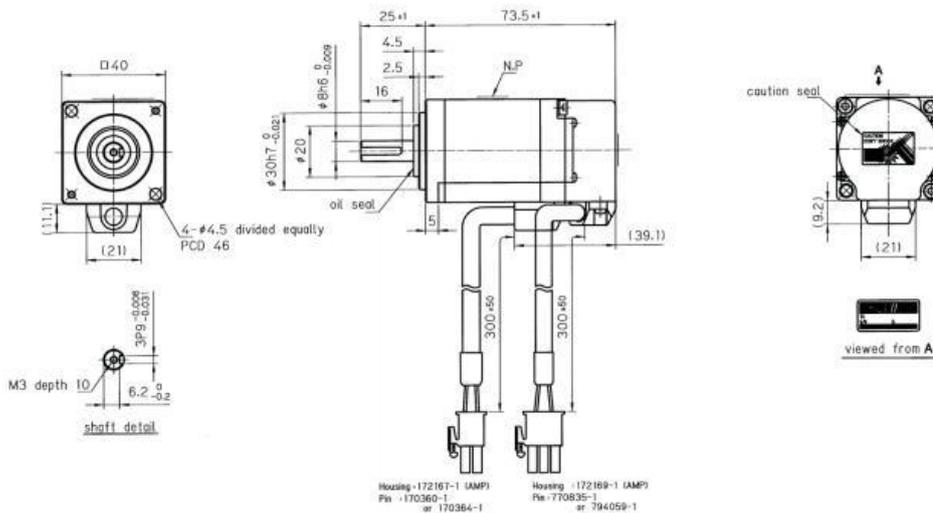


CL010F4002N1AC20 I -F-S

尺寸图(标准型) (Sensor/17bit INC,17bit ABS,23bit ABS RESOLVER)

□40(100W)

CL010F4002N1AC20 I -F-S



动化有限公司

Shenyang INVIC Automation Co.,Ltd

地址: 沈阳市铁西区兴工北街53号 瀚都国际 2602

电话: 024-25902574

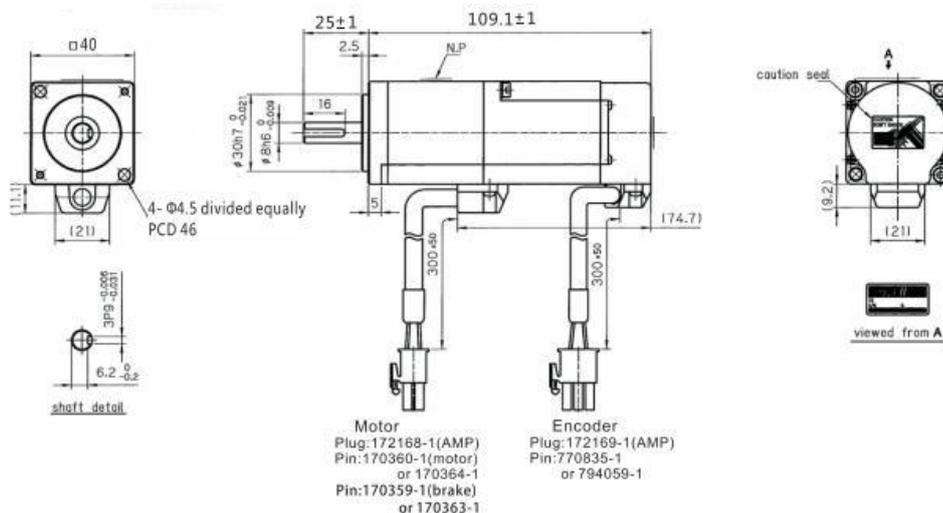
传真: 024-31375845

CL010F4002N1AC20 I -B

尺寸图(带刹车型) (Sensor/17bit INC, 17bit ABS, 23bit ABS RESOLVER)

□40(100W)

CL010F4002N1AC20 I -B

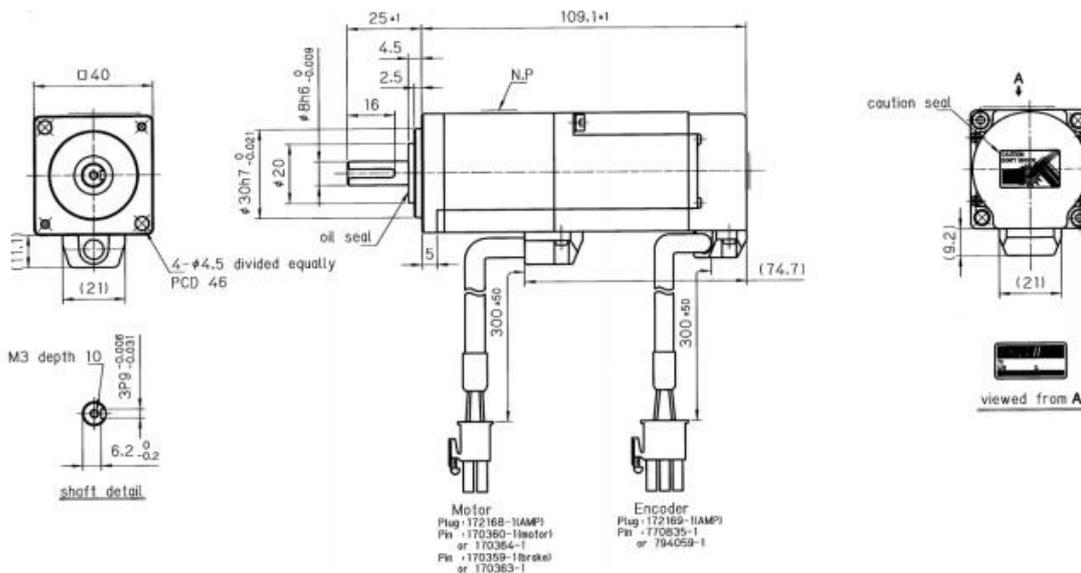


CL010F4002N1AC20 I -F-B-S

尺寸图(带刹车型) (Sensor/17bit INC, 17bit ABS, 23bit ABS RESOLVER)

□40(100W)

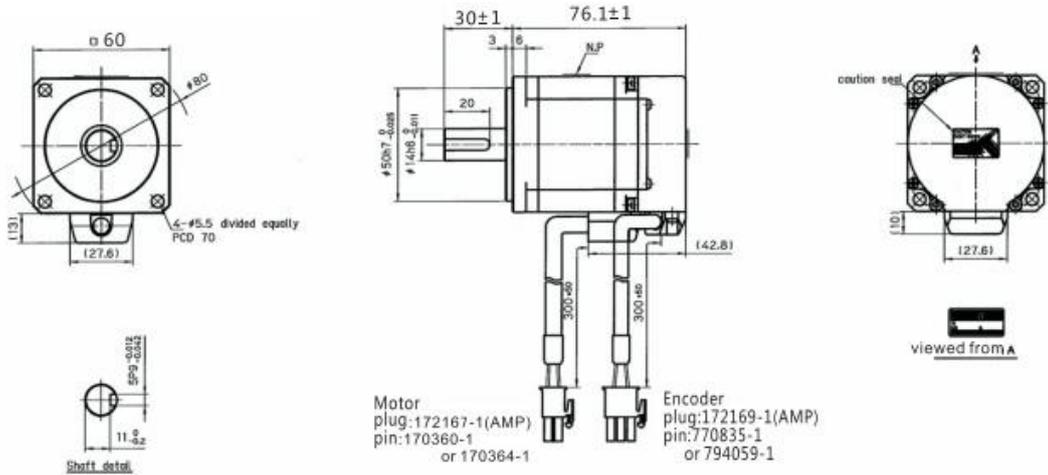
CL010F4002N1AC20 I -F-B-S



CL020F6002N1AC20 I

□60(200W)

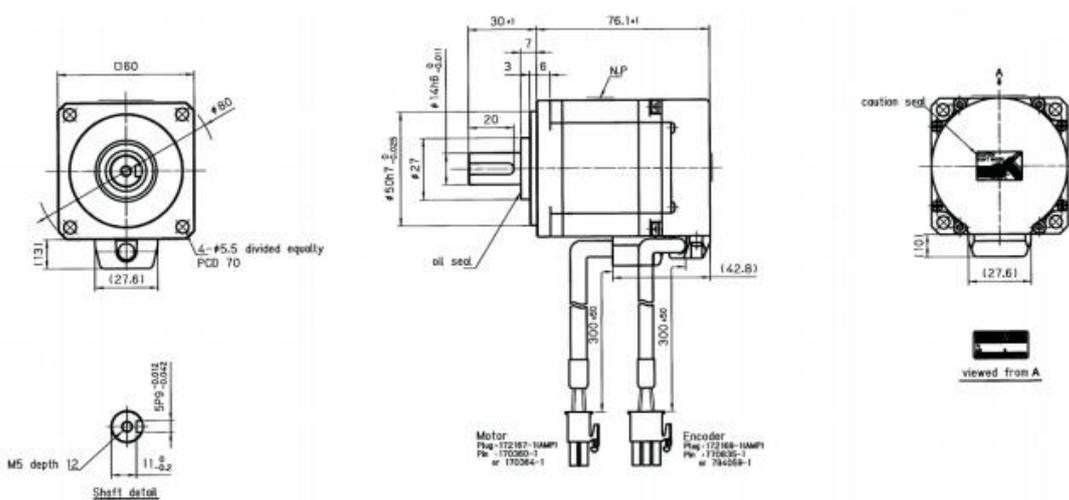
CL020F6002N1AC20 I



CL020F6002N1AC20 I -F-S

□60(200W)

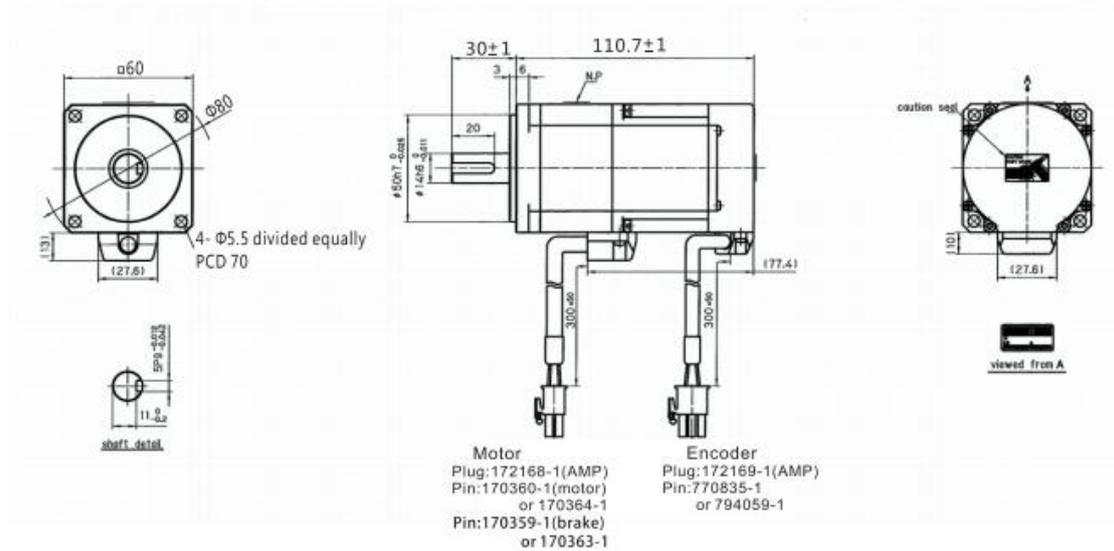
CL020F6002N1AC20 I -F-S



CL020F6002N1AC20 I -B

□60(200W)

CL020F6002N1AC20 I -B

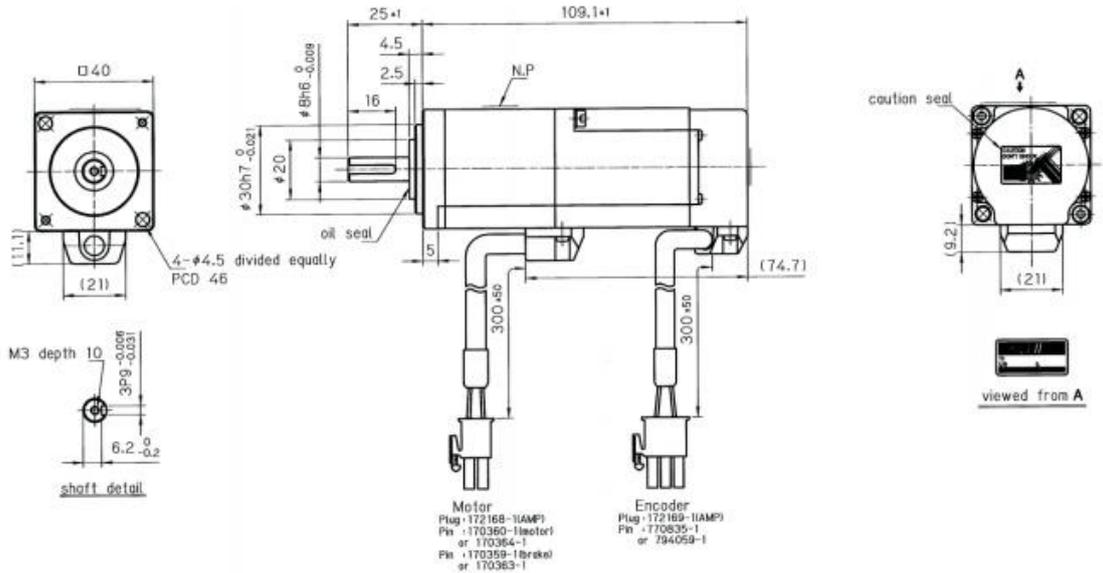


CL020F6002N1AC20 I -F-B-S

尺寸图(带刹车型) (Sensor/17bit INC,17bit ABS, 23bit ABS RESOLVER)

□40(100W)

CL020F6002N1AC20 I -F-B-S

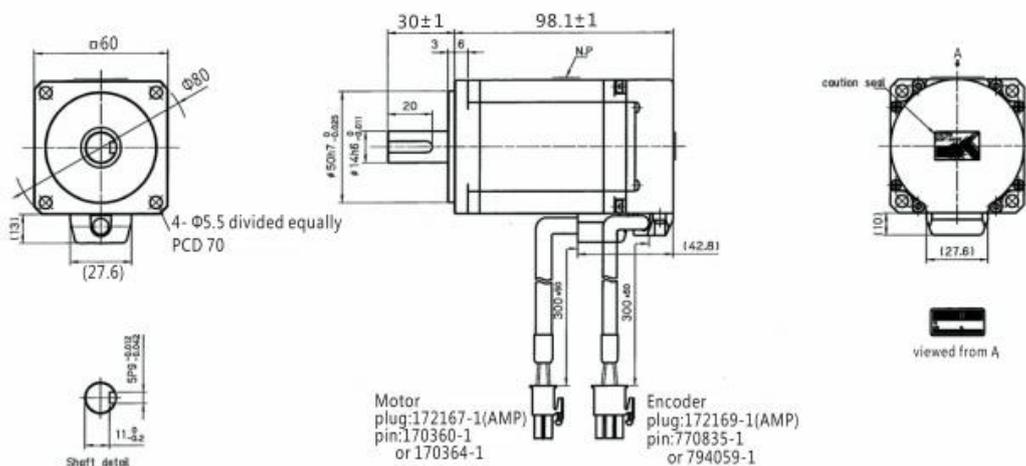


CL040F6002N1AC20 I

尺寸图(标准型) (Sensor/17bit INC, 17bit ABS, 23bit ABS RESOLVER)

□60(400W)

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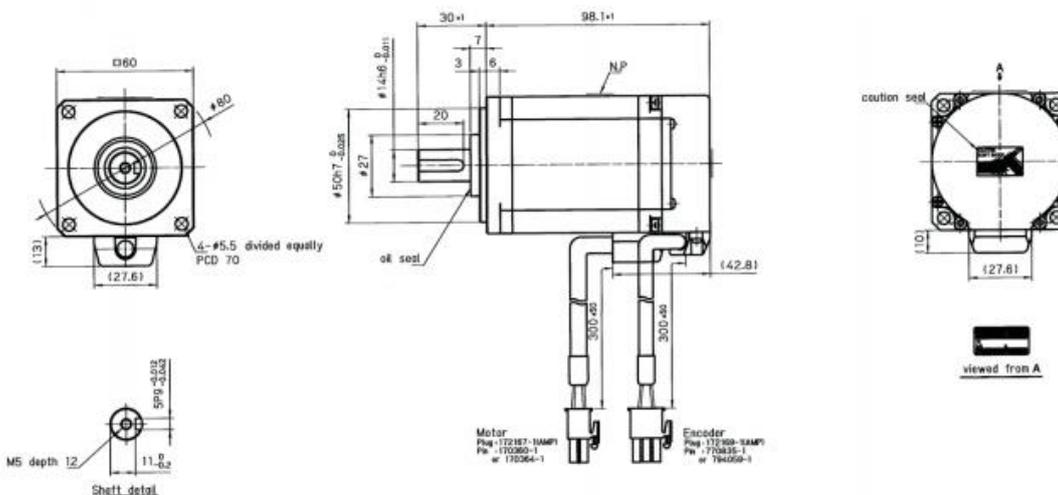


CL040F6002N1AC20 I -F-S

尺寸图(标准型) (Sensor/17bit INC, 17bit ABS, 23bit ABS RESOLVER)

□60(400W)

CL040F6002N1AC20 I -F-S

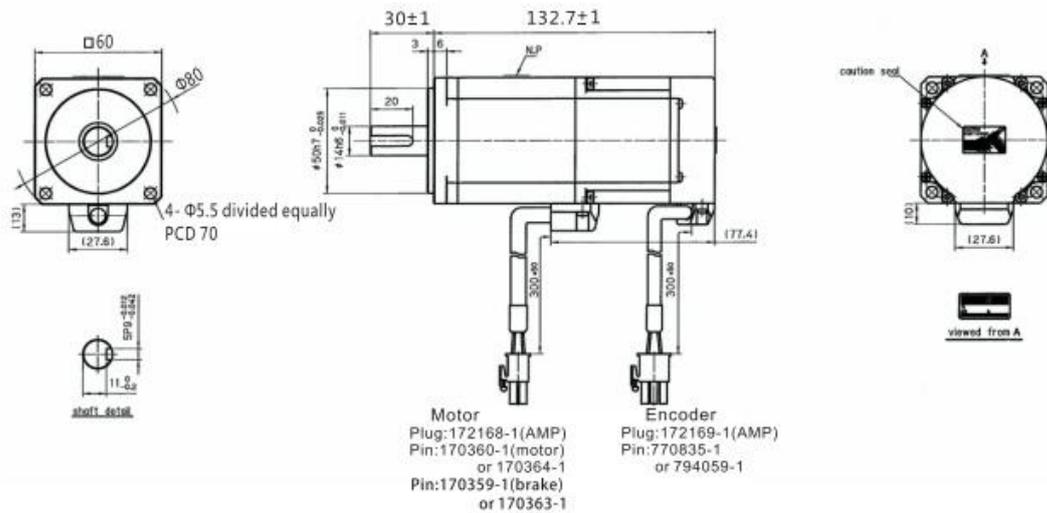


CL040F6002N1AC20 I -B

尺寸图(带刹车型) (Sensor/17bit INC,17bit ABS,23bit ABS RESOLVER)

□60(400W)

CL040F6002N1AC20 I -B

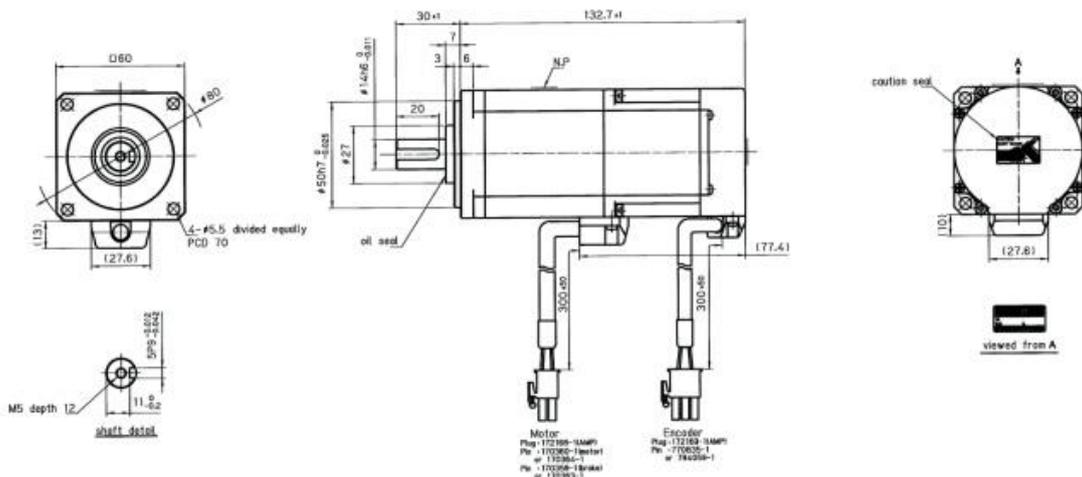


CL040F6002N1AC20 I -F-B-S

尺寸图(带刹车型) (Sensor/17bit INC,17bit ABS,23bit ABS RESOLVER)

□60(400W)

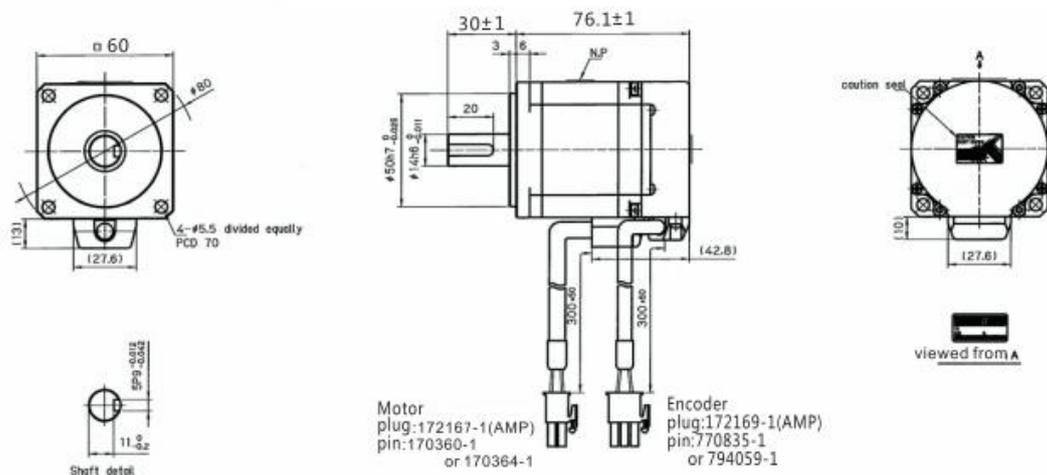
CL040F6002N1AC20 I -F-B-S



CL075F8002N1AC20 I

□60(200W)

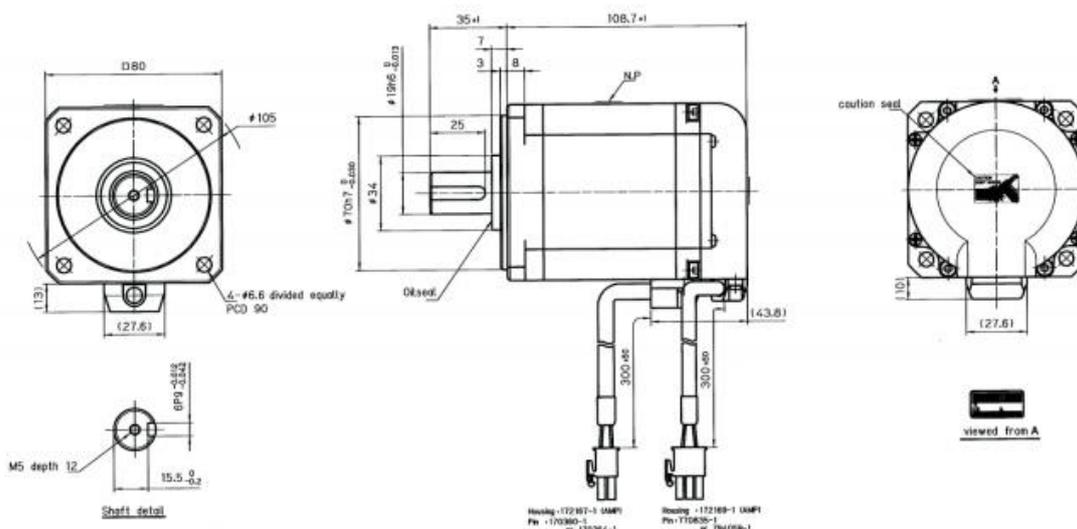
CL075F8002N1AC20 I



CL075F8002N1AC20 I -F-S

□80(750W)

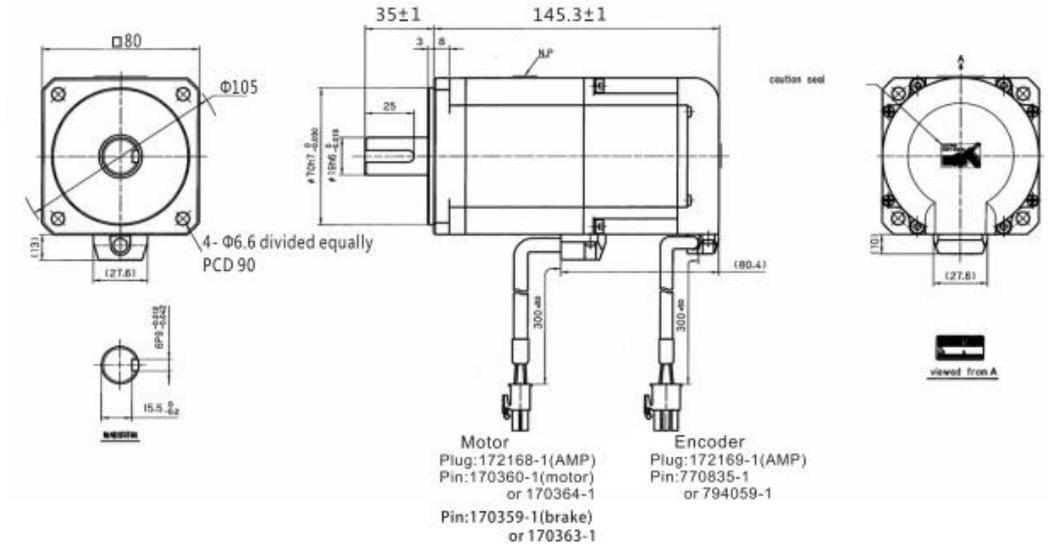
CL075F8002N1AC20 I -F-S



CL075F8002N1AC20 I -B

□80(750W)

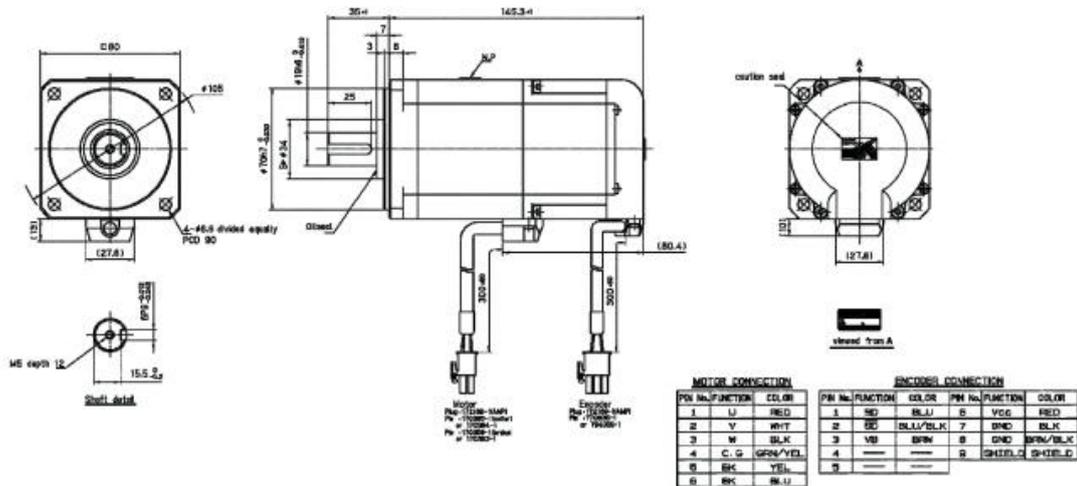
CL075F8002N1AC20 I -B



CL075F8002N1AC20 I -F-B-S

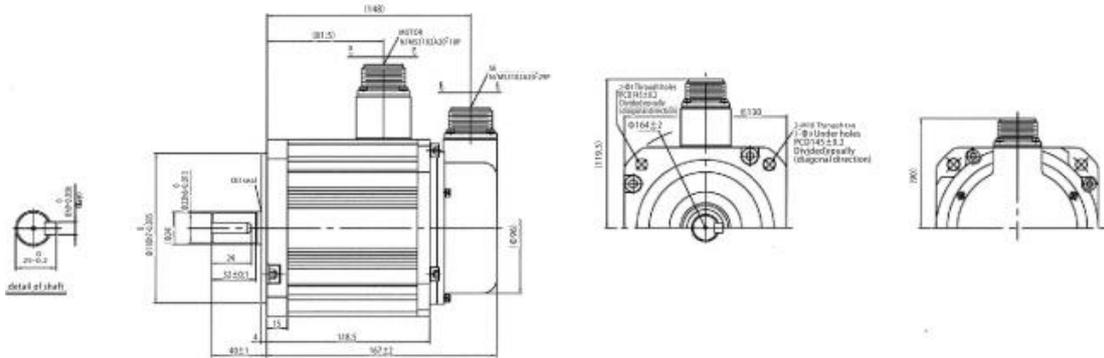
□80(750W)

CL075F8002N1AC20 I -F-B-S



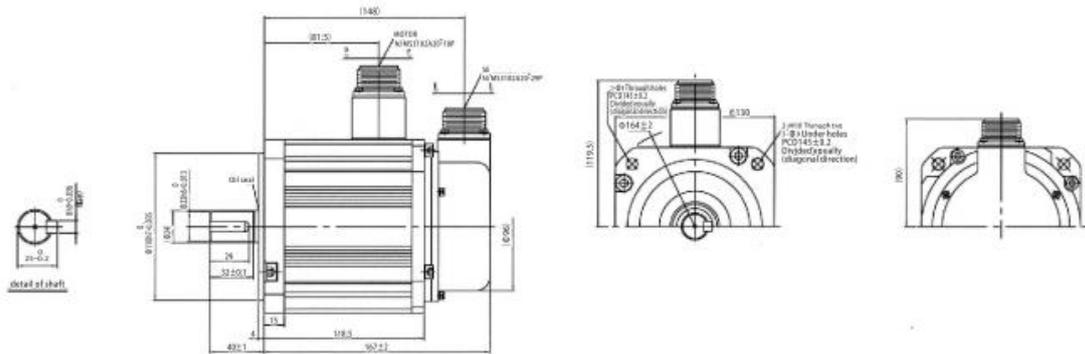
CL100F10002N1AC20 I

CL100F10002N1AC20 I



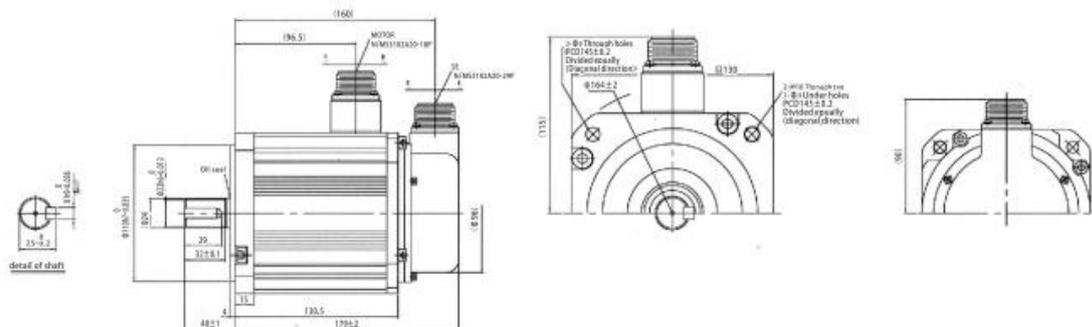
CL100F13002N3AC20 I

CL100F13002N3AC20 I

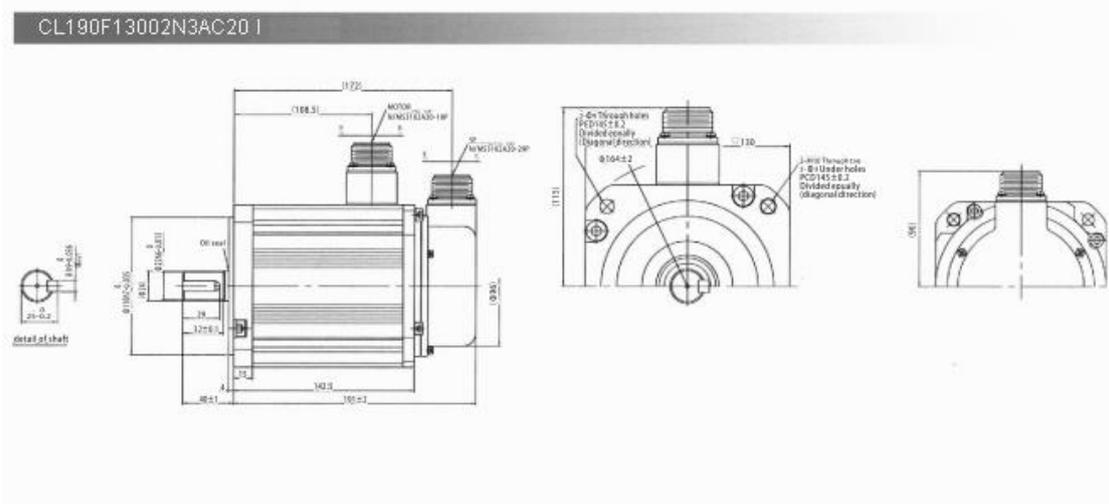


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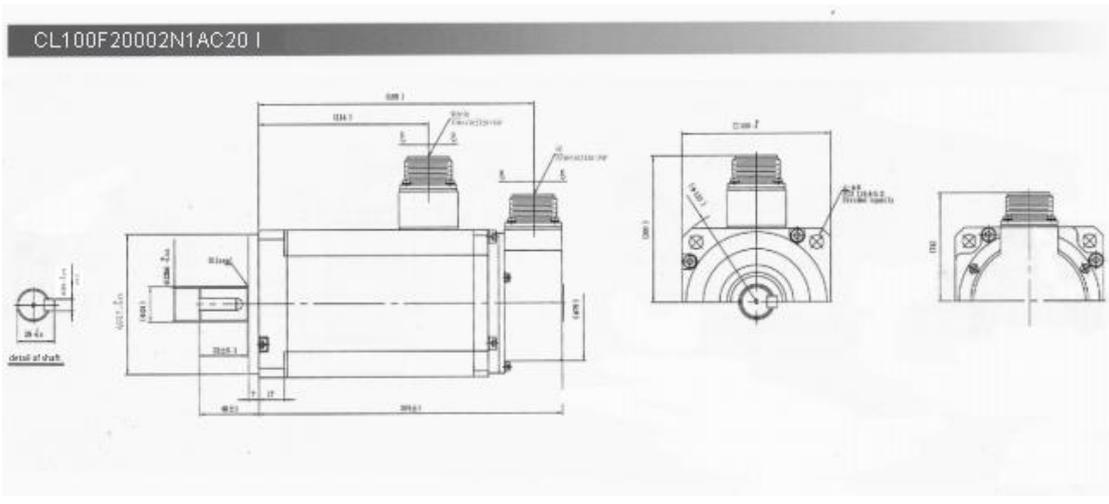
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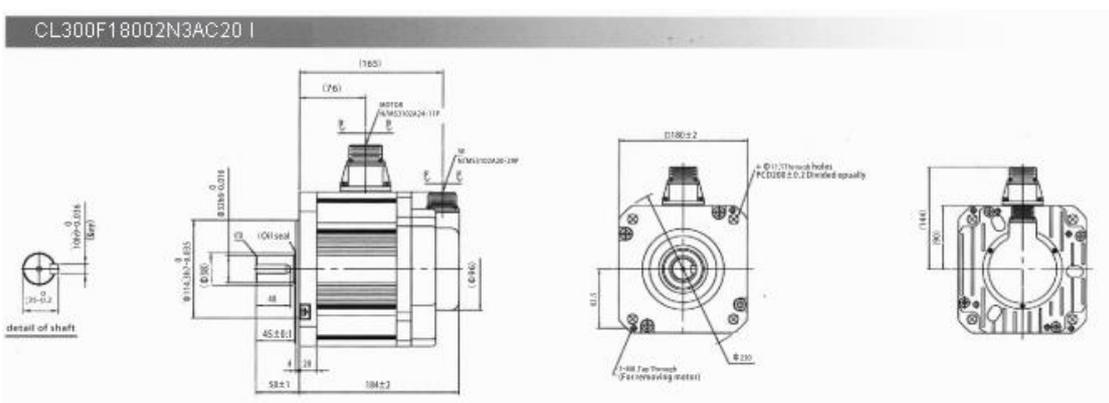
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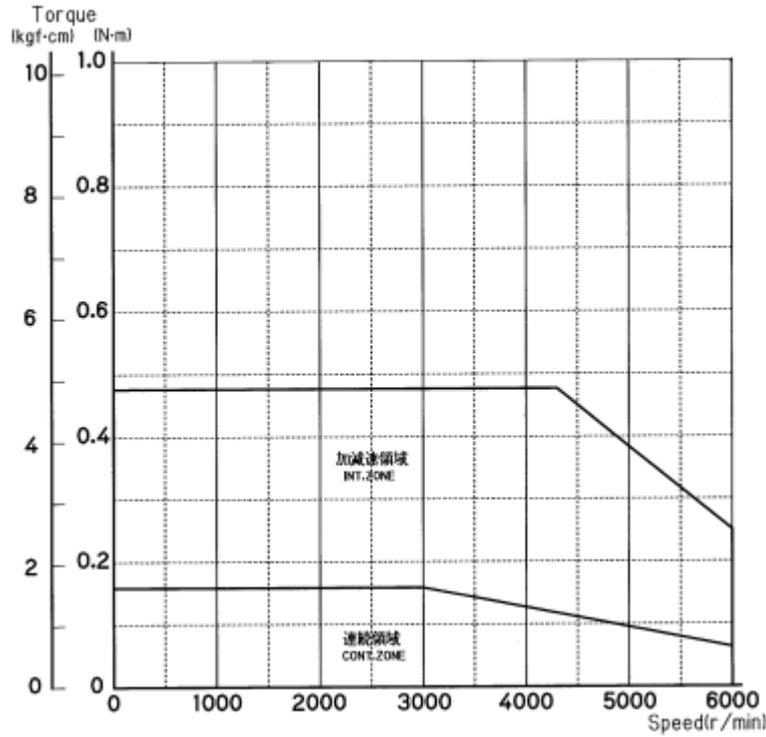
CL100F20002N1AC20 I



CL300F18002N3AC20 I



扭力曲线表



尺寸图

