



ترکیبی هوشمند از تکنولوژی آلمان و قیمت چین

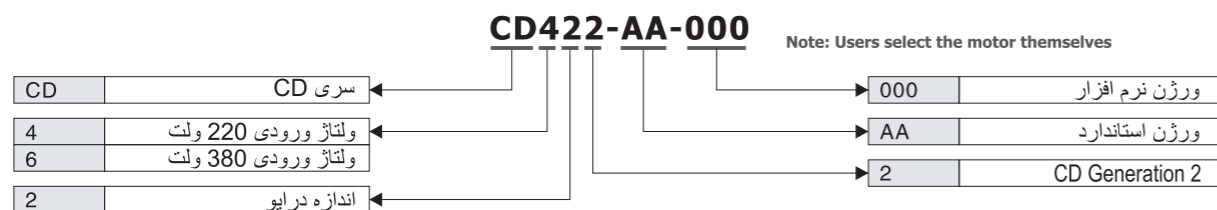
AC Servo

سیستم‌های موتور و درایو سروو سری های CD / FD / JD

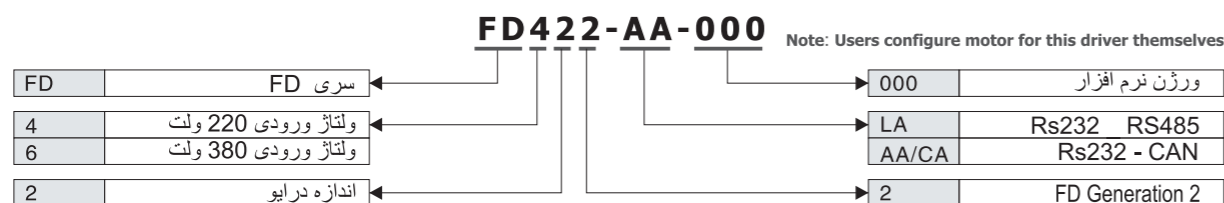
سیستم‌های سروو کینکو

شرح انواع مدل های سروو درایو و سروو موتور

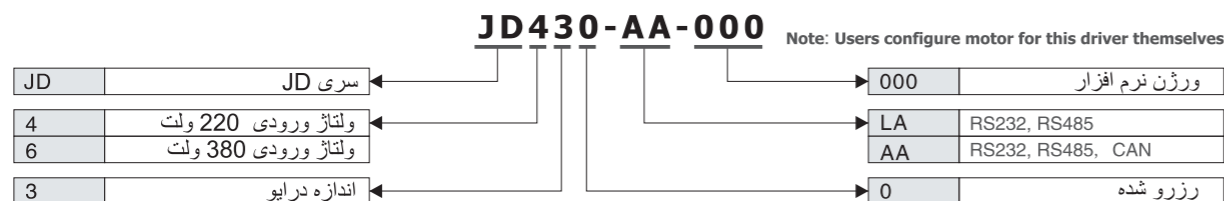
سروو درایو های سری CD کینکو



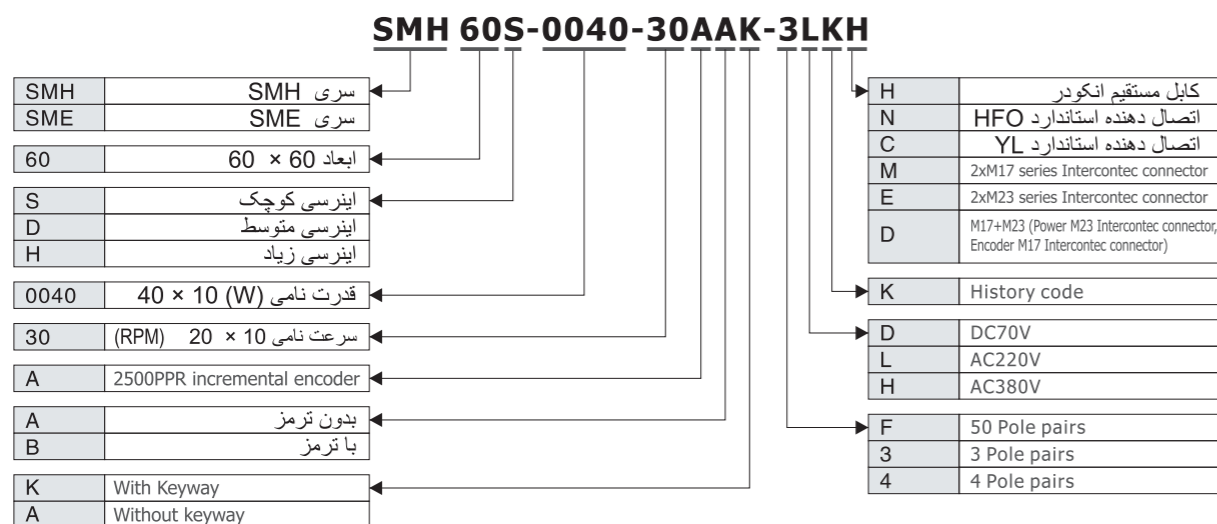
سروو درایو های سری FD کینکو



سروو درایو های سری JD کینکو



سروو موتورهای کینکو



(۲) شرح مدل

شرح مدل سروو موتور و سروو درایو

شرح مدل کابل

(۴) جدول انتخاب

جدول انتخاب موتور و سروو درایو CD & CD II

جدول انتخاب موتور و سروو درایو FD

جدول انتخاب موتور و سروو درایو JD

(۱۰) سروو درایو CD

شرح پتل و ارتباط سروو درایو CD

مشخصات حرفه ای سروو درایو CD

دیاگرام سیم کشی سروو درایو CD

(۱۴) سروو درایو CD II

شرح پتل و ارتباطات سروو درایو CD II

شرح پورت های سروو درایو CD II

مشخصات حرفه ای سروو درایو CD II

دیاگرام سیم کشی سروو درایو CD II

ابعاد مکانیکی سروو درایو CD II

(۱۹) سروو درایو FD

شرح پتل و ارتباطات سروو درایو FD

شرح پورت های سروو درایو FD

مشخصات حرفه ای سروو درایو FD

ابعاد مکانیکی سروو درایو FD

(۲۳) سروو درایو JD

شرح پتل و ارتباطات سروو درایو JD

شرح پورت های سروو درایو JD

مشخصات حرفه ای سروو درایو JD

ابعاد مکانیکی سروو درایو JD

(۲۷) سروو موتور

منحنی گشتاور دور سروو موتور (سایز فلنج ۴۰ / ۶۰)

منحنی گشتاور دور سروو موتور (سایز فلنج ۸۰ / ۶۰)

مشخصات حرفه ای موتور های SMH 40/ 60/ 80

مشخصات حرفه ای موتور های SME 60/ 80

منحنی گشتاور دور سروو موتور (سایز فلنج ۱۱۰)

منحنی گشتاور دور سروو موتور SMH (سایز فلنج ۱۱۰)

منحنی گشتاور دور سروو موتور (سایز فلنج ۱۸۰ / ۱۵۰ / ۱۳۰)

مشخصات حرفه ای موتورهای SMH (سایز فلنج ۱۸۰ / ۱۵۰ / ۱۳۰)

(۳۵) دیاگرام سیم بندی کابل

دیاگرام سیم بندی کابل قدرت

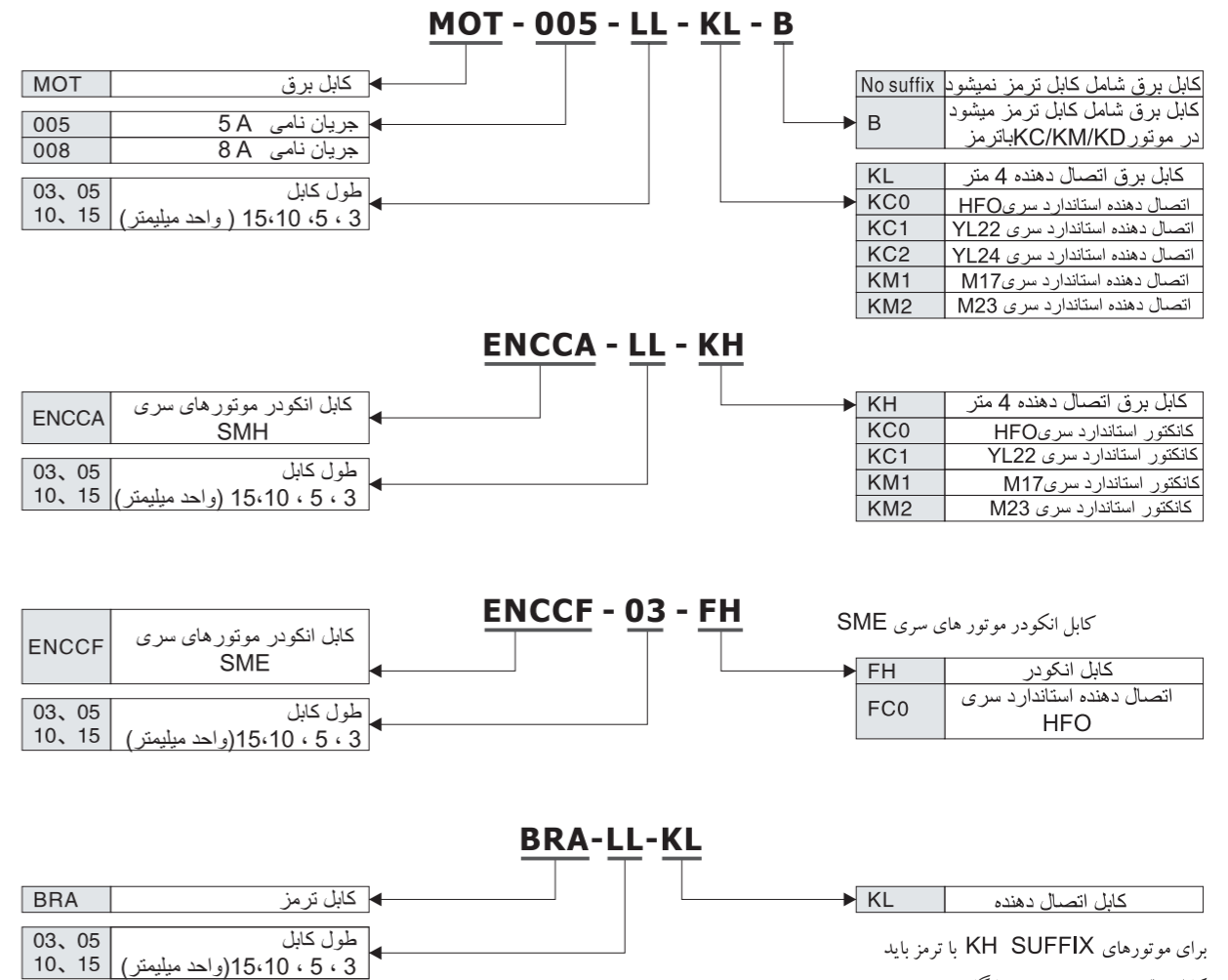
دیاگرام سیم بندی کابل انکودر

جدول انتخاب موتور و سرو درایو های (CD II - CD)

Catagory	Servo Driver	Servo Motor	Description	Power/brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current
Small Inertia 220V	CD412-AA-000	SMH40S-0005-30AAK-4LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KH	3000rpm/ 0.16Nm/ 0.7A
		SMH40S-0005-30ABK-4LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
		SMH40S-0010-30AAK-4LKH	Cable connector	MOT-005-LL-KL		
		SMH40S-0010-30ABK-4LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
	CD420-AA-000 CD422-AA-000	SMH60S-0020-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KC0	3000rpm/ 0.64Nm/ 1.6A
		SMH60S-0020-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
		SMH60S-0020-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0		
		SMH60S-0020-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1		
		SMH60S-0020-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B	ENCCA-LL-KM1	
		SMH60S-0040-30AAK-3LKH	Cable connector	MOT-005-LL-KL		
		SMH60S-0040-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
		SMH60S-0040-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0		
		SMH60S-0040-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCA-LL-KM1	
		SMH60S-0040-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B		
		SMH80S-0075-30AAK-3LKH	Cable connector	MOT-005-LL-KL		
		SMH80S-0075-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
		SMH80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCA-LL-KC0	3000rpm/ 2.39Nm/ 3.9A
		SMH80S-0075-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1		
		SMH80S-0075-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B		
		SME60S-0020-30AAK-3LKH	Cable connector	MOT-005-LL-KL		
	SME60S-0020-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL			
	SME60S-0020-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0			
	SME60S-0040-30AAK-3LKH	Cable connector	MOT-005-LL-KL			
	SME60S-0040-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL	ENCCF-LL-FH	3000rpm/ 1.27Nm/ 3.1A	
SME60S-0040-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0				
SME80S-0075-30AAK-3LKH	Cable connector	MOT-005-LL-KL				
SME80S-0075-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL				
SME80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCF-LL-FH	3000rpm/ 2.39Nm/ 3.9A		
SME80S-0075-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B				
SME80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0				

شرح مدل کابل

کابل های برق ، ترمز و انکودر موتور



برای موتورهای KH SUFFIX با ترمز باید کابل برق و ترمز به صورت جدا گانه تهیه شود .

نکته :

۱- مصرف کنندگان موتور مناسب را خود انتخاب می کنند .

۲- موتور های سری SMH می تواند به سنسور های فشار متصل شوند زمانی که فشار به یک میزان مشخص

برسد درایو به طور خود کار قطع می کند .

جدول انتخاب موتور و سروو درایو FD

Catagory	Servo Driver	Servo Motor	Description	Power/brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current	
Small Inertia 220V	FD422-LA-000 FD422-CA-000 FD422-AA-000	SMH60S-0020-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KH	3000rpm/ 0.64Nm/ 1.6A	
		SMH60S-0020-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL			
		SMH60S-0020-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCA-LL-KC0	ENCCA-LL-KM1	3000rpm/ 1.27Nm/ 3.1A
		SMH60S-0020-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1			
		SMH60S-0020-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B	ENCCA-LL-KH	3000rpm/ 2.39Nm/ 3.9A	
		SMH60S-0040-30AAK-3LKH	Cable connector	MOT-005-LL-KL			
		SMH60S-0040-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL	ENCCA-LL-KC0	ENCCA-LL-KM1	3000rpm/ 0.64Nm/ 1.6A
		SMH60S-0040-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0			
		SMH60S-0040-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCA-LL-KM1	3000rpm/ 1.27Nm/ 3.1A	
		SMH60S-0040-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B			
		SMH80S-0075-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KH	3000rpm/ 2.39Nm/ 3.9A	
		SMH80S-0075-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL			
		SMH80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCA-LL-KC0	ENCCA-LL-KM1	3000rpm/ 0.64Nm/ 1.6A
		SMH80S-0075-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1			
		SMH80S-0075-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B	ENCCF-LL-FH	3000rpm/ 1.27Nm/ 3.1A	
		SME60S-0020-30AAK-3LKH	Cable connector	MOT-005-LL-KL			
		SME60S-0020-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL	ENCCF-LL-FC0	ENCCF-LL-FH	3000rpm/ 2.39Nm/ 3.9A
		SME60S-0020-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0			
		SME60S-0040-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCF-LL-FH	3000rpm/ 1.27Nm/ 3.1A	
		SME60S-0040-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL			
		SME60S-0040-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCF-LL-FC0	ENCCF-LL-FH	3000rpm/ 2.39Nm/ 3.9A
		SME80S-0075-30AAK-3LKH	Cable connector	MOT-005-LL-KL			
		SME80S-0075-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL	ENCCF-LL-FC0	ENCCF-LL-FH	3000rpm/ 2.39Nm/ 3.9A
		SME80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0			

نکته :

- ۱- مصرف کنندگان موتور مناسب را خود انتخاب می کنند .
- ۲- موتور های سری SMH می تواند به سنسور های فشار متصل شوند زمانی که فشار به یک میزان مشخص برسد درایو به طور خود کار قطع می کند .

جدول انتخاب موتور و سروو درایو های (CDII - CD)

Catagory	Servo Driver	Servo Motor	Description	Power/brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current
Small Inertia 220V	CD430-AA-000 CD432-AA-000	SMH110D-0105-20AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	2000rpm/ 5Nm/ 5.9A
		SMH110D-0105-20ABK-4LKC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH110D-0105-20AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	2000rpm/ 6Nm/ 6.2A
		SMH110D-0105-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
		SMH110D-0126-20AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0126-20ABK-4LKC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH110D-0126-20AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0126-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
		SMH110D-0125-30AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0125-30ABK-4LKC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH110D-0125-30AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0125-30ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
Medium Inertia 220V	CD620-AA-000 CD622-AA-000	SMH110D-0126-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 4Nm/ 4.3A
		SMH110D-0126-30ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH110D-0126-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 5Nm/ 5.9A
		SMH110D-0126-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
		SMH110D-0157-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 5Nm/ 5.9A
		SMH110D-0157-30ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH110D-0157-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 6Nm/ 6.2A
		SMH110D-0157-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
		SMH110D-0188-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 6Nm/ 6.2A
		SMH110D-0188-30ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH110D-0188-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 6Nm/ 6.2A
		SMH110D-0188-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
Medium Inertia 220V	CD430-AA-000 CD432-AA-000 CD620-AA-000 CD622-AA-000	SMH130D-0105-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 5Nm/ 4.3A
		SMH130D-0105-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH130D-0157-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2		
		SMH130D-0157-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
Medium Inertia 380V	CD620-AA-000 CD622-AA-000	SMH130D-0210-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 10Nm/ 7.6A
		SMH130D-0210-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
		SMH150D-0230-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2		
		SMH150D-0230-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		

نکته :

- ۱- مصرف کنندگان موتور مناسب را خود انتخاب می کنند .
- ۲- موتور های سری SMH می تواند به سنسور های فشار متصل شوند زمانی که فشار به یک میزان مشخص برسد درایو به طور خود کار قطع می کند .

جدول انتخاب موتور و سروو درایو JD

Catagory	Servo Driver	Servo Motor	Description	Power/brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current		
Small Inertia 220V	JD430-AA-000	SMH60S-0020-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KH	3000rpm/		
		SMH60S-0020-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL				
		SMH60S-0020-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCA-LL-KC0	0.64Nm/		
		SMH60S-0020-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCA-LL-KM1	1.6A		
		SMH60S-0020-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B				
		SMH60S-0040-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KH	3000rpm/		
		SMH60S-0040-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL				
		SMH60S-0040-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCA-LL-KC0	1.27Nm/		
		SMH60S-0040-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCA-LL-KM1	3.1A		
		SMH60S-0040-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B				
		SMH80S-0075-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCA-LL-KH	3000rpm/		
		SMH80S-0075-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL				
		SMH80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCA-LL-KC0	2.39Nm/		
		SMH80S-0075-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCA-LL-KM1	3.9A		
		SMH80S-0075-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B				
		Medium Inertia 220V	JD430-AA-000	SME60S-0020-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCF-LL-FH	3000rpm/
				SME60S-0020-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
				SME60S-0020-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCF-LL-FC0	0.64Nm/
				SME60S-0040-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCF-LL-FH	3000rpm/
				SME60S-0040-30ABK-3LKH	Cable connector and brake	MOT-005-LL-KL/BRA-LL-KL		
				SME60S-0040-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCF-LL-FC0	1.27Nm/
				SME60S-0040-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCF-LL-FH	3.1A
				SME60S-0040-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B		
				SME80S-0075-30AAK-3LKH	Cable connector	MOT-005-LL-KL	ENCCF-LL-FH	3000rpm/
SME80S-0075-30ABK-3LKH	Cable connector and brake			MOT-005-LL-KL/BRA-LL-KL				
SME80S-0075-30AAK-3LKN	HFO standard connector	MOT-005-LL-KC0	ENCCF-LL-FC0	2.39Nm/				
SME80S-0075-30AAK-3LKM	Intercontec connector	MOT-005-LL-KM1	ENCCF-LL-FH	3.9A				
SME80S-0075-30ABK-3LKM	Intercontec connector with brake	MOT-005-LL-KM1-B						
Medium Inertia 220V		SMH110D-0105-20AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	2000rpm/		
		SMH110D-0105-20ABK-4LKC	YL24 standard connector with brake	MOT-008-LL-KC2-B				
		SMH110D-0105-20AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	5Nm/		
		SMH110D-0105-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B				
		SMH110D-0126-20AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	2000rpm/		
		SMH110D-0126-20ABK-4LKC	YL24 standard connector with brake	MOT-008-LL-KC2-B				
		SMH110D-0126-20AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	6Nm/		
		SMH110D-0126-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B				
SMH110D-0126-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B	ENCCA-LL-KM1	6.2A				

نکته :

۱ - مصرف کنندگان موتور مناسب را خود انتخاب می کنند .

۲ - موتور های سری SMH می تواند به سنسور های فشار متصل شوند زمانی که فشار به یک میزان مشخص برسد درایو به طور خود کار قطع می کند .

جدول انتخاب موتور و سروو درایو FD

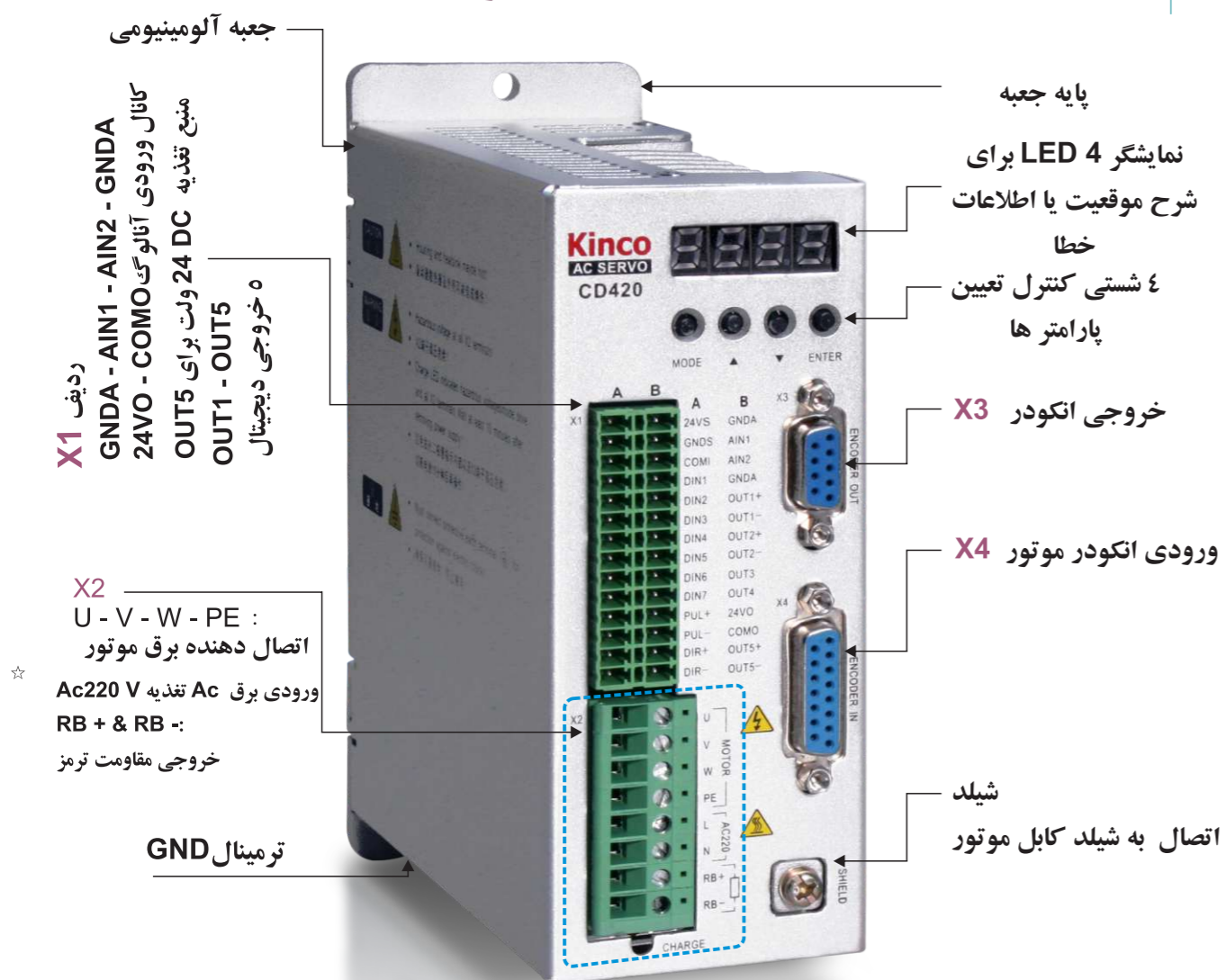
Catagory	Servo Driver	Servo Motor	Description	Power/brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current		
Medium Inertia 220V	FD432-LA-000 FD432-CA-000 FD432-AA-000	SMH110D-0105-20AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	2000rpm/		
		SMH110D-0105-20ABK-4LKC	YL24 standard connector and brake	MOT-008-LL-KC2-B				
		SMH110D-0105-20AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	5Nm/		
		SMH110D-0105-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B				
		SMH110D-0126-20AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	2000rpm/		
		SMH110D-0126-20ABK-4LKC	YL24 standard connector and brake	MOT-008-LL-KC2-B				
		SMH110D-0126-20AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	6Nm/		
		SMH110D-0126-20ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B				
		SMH110D-0125-30AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/		
		SMH110D-0125-30ABK-4LKC	YL24 standard connector and brake	MOT-008-LL-KC2-B				
		SMH110D-0125-30AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	4Nm/		
		SMH110D-0125-30ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B				
		Medium Inertia 380V	FD622-LA-000 FD622-CA-000 FD622-AA-000	SMH110D-0126-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/
				SMH110D-0126-30ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
				SMH110D-0126-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	4Nm/
				SMH110D-0126-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B		
				SMH110D-0157-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/
				SMH110D-0157-30ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B		
SMH110D-0157-30AAK-4HKD	Intercontec connector			MOT-008-LL-KM2	ENCCA-LL-KM1	5Nm/		
SMH110D-0157-30ABK-4HKD	Intercontec connector with brake			MOT-008-LL-KM2-B				
SMH110D-0188-30AAK-4HHC	YL22 standard connector			MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/		
SMH110D-0188-30ABK-4HHC	YL24 standard connector and brake			MOT-008-LL-KC2-B				
SMH110D-0188-30AAK-4HKD	Intercontec connector			MOT-008-LL-KM2	ENCCA-LL-KM1	6Nm/		
SMH110D-0188-30ABK-4HKD	Intercontec connector with brake			MOT-008-LL-KM2-B				
Medium Inertia 220V/380V	FD432-LA-000 FD432-CA-000 FD432-AA-000 FD622-LA-000 FD622-CA-000 FD622-AA-000	SMH130D-0105-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 5Nm/ 4.3A		
		SMH130D-0105-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B				
		SMH130D-0157-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 7.5Nm/ 6.3A		
		SMH130D-0157-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B				
Medium Inertia 380V	FD622-LA-000 FD622-CA-000 FD622-AA-000	SMH130D-0210-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 10Nm/ 7.6A		
		SMH130D-0210-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B				
		SMH150D-0230-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 11.1Nm/ 7.1A		
		SMH150D-0230-20ABK-4HHC	YL24 standard connector and brake	MOT-008-LL-KC2-B				

نکته :

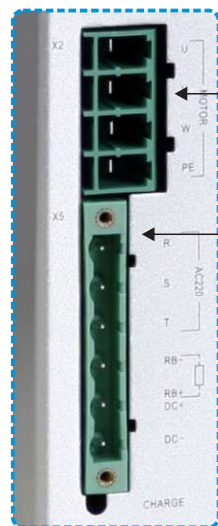
۱ - مصرف کنندگان موتور مناسب را خود انتخاب می کنند .

۲ - موتور های سری SMH می تواند به سنسور های فشار متصل شوند زمانی که فشار به یک میزان مشخص برسد درایو به طور خود کار قطع می کند .

شرح اجزاء سروو درایو CD



CD420(AC220V)



CD430(AC220V)

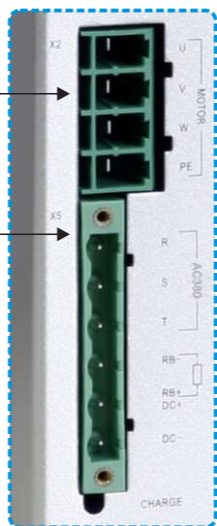
X2
U - V - W - PE
اتصال دهنده برق موتور

X5
R - S - T
ورودی برق AC تغذیه (Ac220 V)
خروجی مقاومت ترمز RB + & RB -
اتصال DC DC -
(Dc310 V +-20%)

Note: 1. CD420/430/620 share the same interface definition except for the X2 and X5 power interfaces.
2. Suggested brake resistor: CD420 75ohms/100W, CD430 39ohms/200W, CD620 75ohms/200W. The customer should choose the power of brake resistor according to the actual application.

X2
U - V - W - PE
اتصال دهنده برق موتور

X5
R - S - T
ورودی برق AC تغذیه (Ac380 V)
خروجی مقاومت ترمز RB + & RB -
اتصال DC DC -
(Dc540 V +-20%)



CD620(AC380V)

جدول انتخاب موتور و سروو درایو JD

Category	Servo Driver	Servo Motor	Description	Power/brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current
Medium Inertia 220V	JD430-AA-000	SMH110D-0125-30AAK-4LKC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0125-30ABK-4LKC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0125-30AAK-4LKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 4Nm/ 6.5A
		SMH110D-0125-30ABK-4LKD	Intercontec connector with brake	MOT-008-LL-KM2-B	ENCCA-LL-KM1	3000rpm/ 4Nm/ 6.5A
Medium Inertia 380V	JD620-AA-000	SMH110D-0126-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 4Nm/ 4.3A
		SMH110D-0126-30ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	3000rpm/ 4Nm/ 4.3A
		SMH110D-0126-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 4Nm/ 4.3A
		SMH110D-0126-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B	ENCCA-LL-KM1	3000rpm/ 4Nm/ 4.3A
		SMH110D-0157-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 5Nm/ 5.9A
		SMH110D-0157-30ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	3000rpm/ 5Nm/ 5.9A
		SMH110D-0157-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 5Nm/ 5.9A
		SMH110D-0157-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B	ENCCA-LL-KM1	3000rpm/ 5Nm/ 5.9A
		SMH110D-0188-30AAK-4HHC	YL22 standard connector	MOT-008-LL-KC1	ENCCA-LL-KC1	3000rpm/ 6Nm/ 6.2A
		SMH110D-0188-30ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	3000rpm/ 6Nm/ 6.2A
		SMH110D-0188-30AAK-4HKD	Intercontec connector	MOT-008-LL-KM2	ENCCA-LL-KM1	3000rpm/ 6Nm/ 6.2A
		SMH110D-0188-30ABK-4HKD	Intercontec connector with brake	MOT-008-LL-KM2-B	ENCCA-LL-KM1	3000rpm/ 6Nm/ 6.2A
Medium Inertia 220V/380V	JD430-AA-000 JD620-AA-000	SMH130D-0105-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 5Nm/ 4.3A
		SMH130D-0105-20ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	2000rpm/ 5Nm/ 4.3A
		SMH130D-0157-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 7.5Nm/ 6.3A
		SMH130D-0157-20ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	2000rpm/ 7.5Nm/ 6.3A
Medium Inertia 380V	JD620-AA-000	SMH130D-0210-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 10Nm/ 7.6A
		SMH130D-0210-20ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	2000rpm/ 10Nm/ 7.6A
		SMH150D-0230-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 11.1Nm/ 7.1A
		SMH150D-0230-20ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	2000rpm/ 11.1Nm/ 7.1A
	JD630-LA-000 JD630-AA-000	SMH150D-0300-20AAK-4HHC	YL24 standard connector	MOT-008-LL-KC2	ENCCA-LL-KC1	2000rpm/ 14.3Nm/ 8.5A
		SMH150D-0300-20ABK-4HHC	YL24 standard connector with brake	MOT-008-LL-KC2-B	ENCCA-LL-KC1	2000rpm/ 14.3Nm/ 8.5A
		SMH150D-0380-20AAK-4HHC	YL24 standard connector	MOT-015-LL-KC2	ENCCA-LL-KC1	2000rpm/ 18Nm/ 9.3A
		SMH150D-0380-20ABK-4HHC	YL24 standard connector with brake	MOT-015-LL-KC2-B	ENCCA-LL-KC1	2000rpm/ 18Nm/ 9.3A
JD640-LA-000 JD640-AA-000	SMH180D-0350-15AAK-4HHC	YL24 standard connector	MOT-015-LL-KC2	ENCCA-LL-KC1	1500rpm/ 22Nm/ 10.3A	
	SMH180D-0350-15ABK-4HHC	YL24 standard connector with brake	MOT-015-LL-KC2-B	ENCCA-LL-KC1	1500rpm/ 22Nm/ 10.3A	
	SMH180D-0440-15AAK-4HHC	YL24 standard connector	MOT-015-LL-KC2	ENCCA-LL-KC1	1500rpm/ 28Nm/ 13.3A	
	SMH180D-0440-15ABK-4HHC	YL24 standard connector with brake	MOT-015-LL-KC2-B	ENCCA-LL-KC1	1500rpm/ 28Nm/ 13.3A	

نکته:

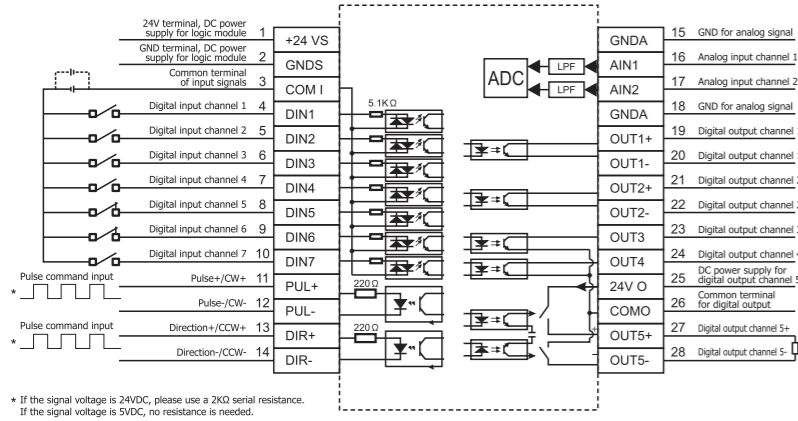
۱- مصرف کنندگان موتور مناسب را خود انتخاب می کنند.

۲- موتور های سری SMH می تواند به سنسور های فشار متصل شوند زمانی که فشار به یک میزان مشخص

برسد درایو به طور خود کار قطع می کند.

CD دیاگرام سیم بندی برای سروو درایو

دیاگرام سیم بندی برای حالت کنترل موقعیت



Default setting for digital inputs:
 Din 1: Driver enable
 Din 2: Fault reset
 Din 3: Operation mode
 Din 4: P control
 Din 5: Positive limit
 Din 6: Negative limit
 Din 7: Home signal

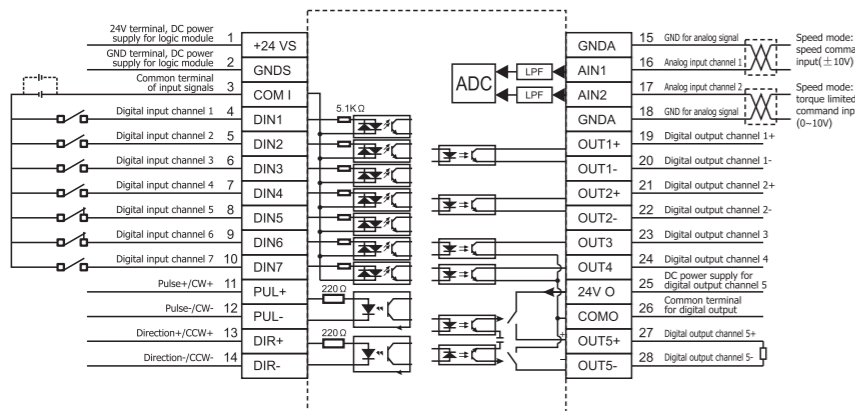
Default setting for digital output:
 Out 1: Ready
 Out 2: Error
 Out 3: Position reached
 Out 4: Zero velocity
 Out 5: Motor brake

To use other functions, please redefine the digital inputs. Other functions that can be defined are as follows:
 - Reverse command
 - Internal speed section control
 - Internal position section control
 - Start homing
 - Active command
 - Quick stop
 - Switch electronic gear ratio
 - Switch gain

CD مشخصات فنی سروو درایو

Model parameter		CD420-AA-000	CD430-AA-000	CD620-AA-000
Power	Main supply voltage	Single-phase AC220V -20/+15% 47~63Hz	Single-phase or 3-phase AC220V -20/+15% 47~63Hz	3-phase AC380V -20/+15% 47~63Hz
	Control circuit voltage	18VDC~30VDC 1A		
Current	Max. continuous current	4A	10A	7A
	Peak current(PEAK)	15A	27.5A	25A
Feedback signal		2500PPR (incremental encoder with 5V)		
Brake chopper		Use an external braking resistor according to application, mainly in occasion of quick stop.		
Brake chopper threshold		DC380V±5V		DC680V±5V
Over-voltage alarming threshold		DC400V±5V		
Under-voltage alarming threshold		DC200V±5V		
Cooling method		Natural air cooling	Fan	
Weight		1.2kg	2.4kg	
Position Mode	Max. frequency of input pulse	Differential signal: 500KPPS, Open-collector signal: 200KPPS		
	Pulse command mode	Pulse+direction, CCW+CW, (5V, if the input is 24V, the 2K resistor is needed) (do not support A+B phase)		
	Command smoothing	Low-pass filtering(Adjustable by internal parameter setting)		
	Feedforward gain	Adjustable by internal parameter setting		
Electronic gear ratio	Setting range, Gear factor:	-32768~32767, Gear divider: 1~32767, 1/50 ≤ Gear factor/Gear divider ≤ 50		
	Position loop sampling frequency	1KHz		
Speed Mode	Analog input voltage range	-10V~+10V(Resolution 12bit)		
	Input impedance	200K		
	Analog input sampling frequency	4KHz		
	Command source	External analog command / internal command		
	Command smoothing	Low-pass filtering(Adjustable by internal parameter setting)		
	Input voltage dead-zone setting	Adjustable by internal parameter setting		
	Input voltage offset setting	Adjustable by internal parameter setting		
Torque Mode	Speed limit	Adjustable by internal parameter setting		
	Torque limit	Adjustable by internal parameter setting / External analog command control		
	Speed loop sampling frequency	4KHz		
	Analog voltage input range	-10V~+10V(Resolution 12bit)		
	Input impedance	200K		
	Input sampling frequency	4KHz		
	Command source	External analog command / internal command		
Digital Input	Input specification	7 digital inputs, with COM1 terminal for PNP (high level valid 12.5-30V) or NPN (low level valid) connection.		
	Input function	Define freely according to requirement, supporting following functions: Driver enable, driver fault reset, driver mode control, proportional control, positive limit, negative limit, homing signal, reverse command, internal speed section control, internal position section control, quick stop, start homing, active command, switch electronic gear ratio, switch gain		
	Output specification	5 digital outputs, OUT1~OUT4 current is 100mA, OUT5 current is 800mA, can drive brake device directly		
	Output function	Define freely according to requirement, supporting following functions: Driver ready, driver fault, position reached, motor at zero speed, motor brake, motor speed reached, Z signal, maximum speed obtained in torque mode, motor brake, position limiting, reference found, multi-position reached		
Protection functions		Over-voltage protection, under-voltage protection, motor over-heat protection(I ² T), short-circuit protection, drive over-heat protection, etc.		
Communication interface		RS232 (Connections with PC: 2-5, 3-1, 5-6)		
Operation Environment	Operating temperature	0~40°C		
	Storage temperature	-10°C~70°C		
	Humidity(non-condensing)	Below 90%RH		
	Protection class	IP20		
	Installation environment	Installed in a dust-free, dry and lockable environment(such as in a electrical cabinet)		
	Installation mode	Vertical installation		
Altitude		No power limitation below 1000m		
Atmospheric pressure		86kpa~106kpa		

دیاگرام سیم بندی برای حالت کنترل سرعت

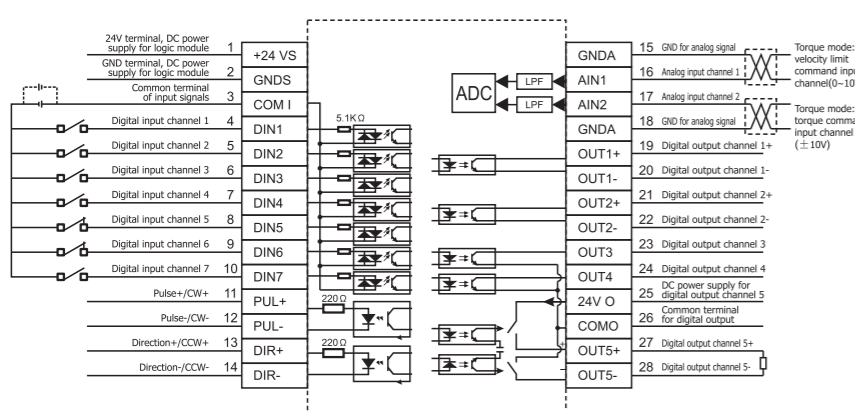


Default setting for digital inputs:
 Din 1: Driver enable
 Din 2: Fault reset
 Din 3: Operation mode
 Din 4: P control
 Din 5: Positive limit
 Din 6: Negative limit
 Din 7: Home signal

Default setting for digital output:
 Out 1: Ready
 Out 2: Error
 Out 3: Position reached
 Out 4: Zero velocity
 Out 5: Motor brake

To use other functions, please redefine the digital inputs. Other functions that can be defined are as follows:
 - Reverse command
 - Internal speed section control
 - Internal position section control
 - Start homing
 - Active command
 - Quick stop
 - Switch electronic gear ratio
 - Switch gain

دیاگرام سیم بندی برای حالت کنترل گشتاور

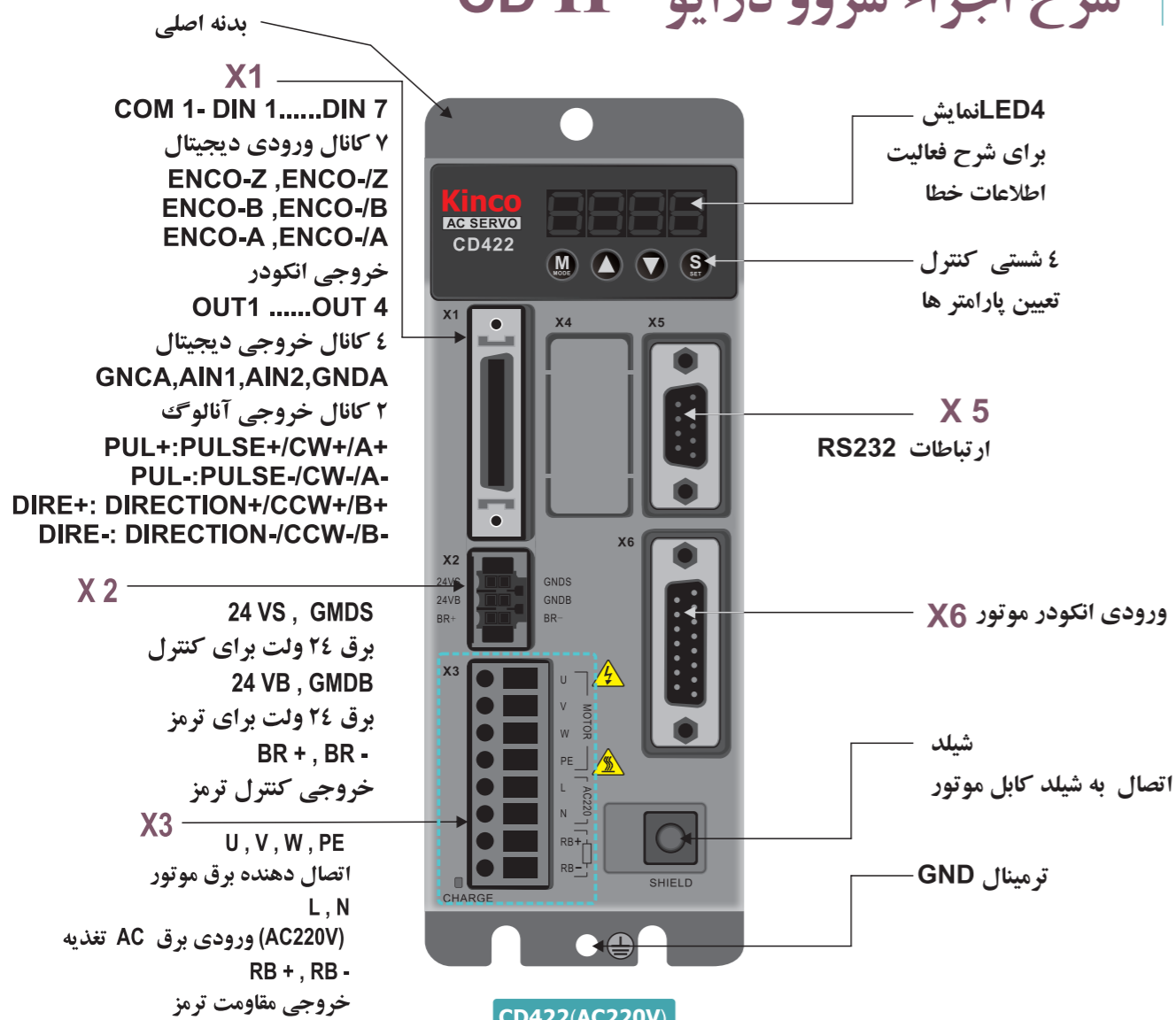


Default setting for digital inputs:
 Din 1: Driver enable
 Din 2: Fault reset
 Din 3: Operation mode
 Din 4: P control
 Din 5: Positive limit
 Din 6: Negative limit
 Din 7: Home signal

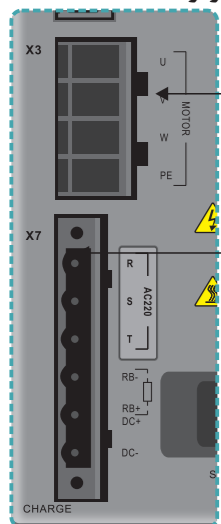
Default setting for digital output:
 Out 1: Ready
 Out 2: Error
 Out 3: Position reached
 Out 4: Zero velocity
 Out 5: Motor brake

To use other functions, please redefine the digital inputs. Other functions that can be defined are as follows:
 - Reverse command
 - Internal speed section control
 - Internal position section control
 - Start homing
 - Active command
 - Quick stop
 - Switch electronic gear ratio
 - Switch gain

شرح اجزاء سروو درایو CD II

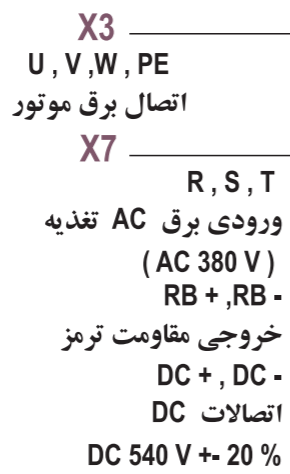


CD422(AC220V)



CD432(AC220V)

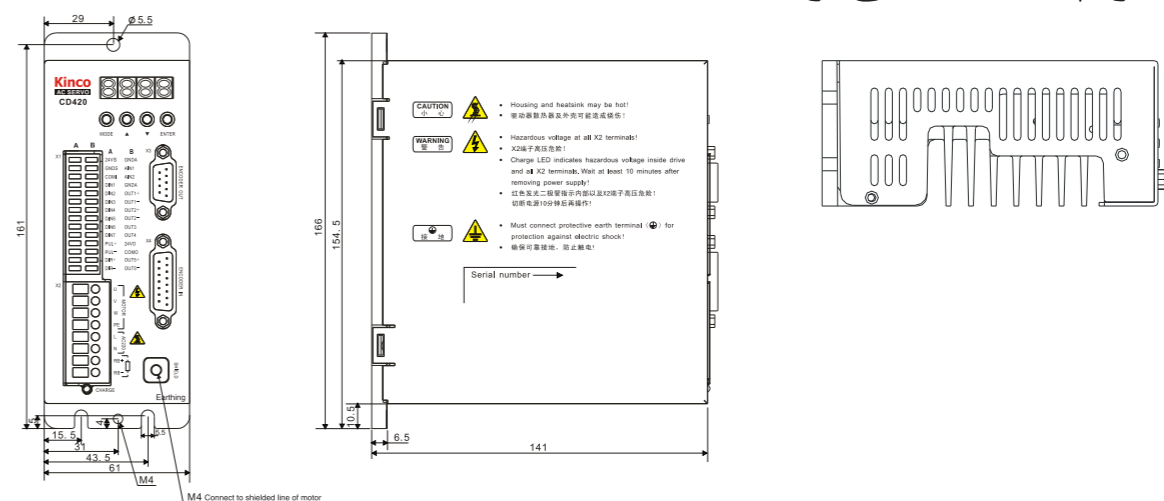
Note: 1. CD412/CD422/432/622 share the same interface definition except the X3 and X7 power interfaces;
2. Suggested brake resistor: CD412/CD422 75ohms/100W, CD432 39ohms/200W, CD622 75ohms/200W. The customer should choose the power of brake resistor according to the actual application.



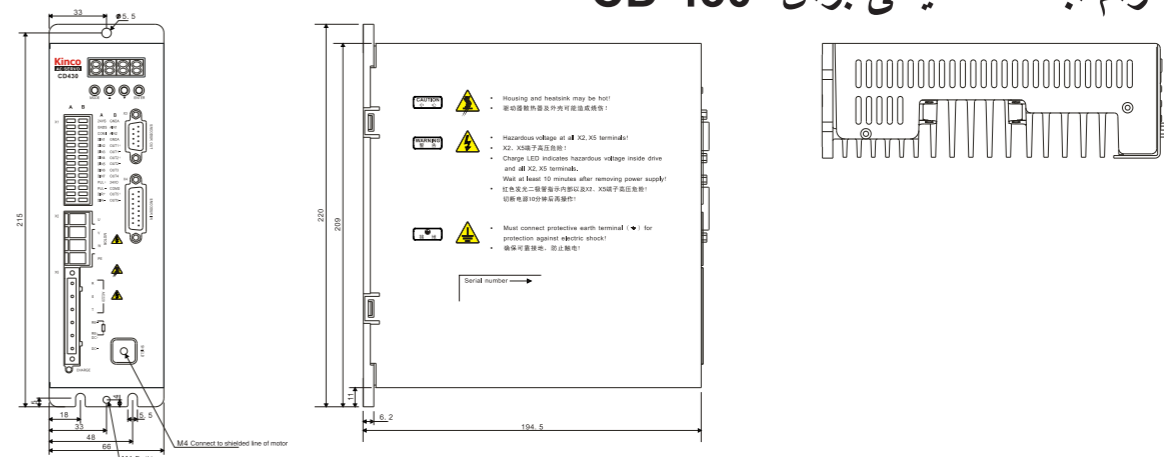
CD622(AC380V)

دیاگرام ابعاد مکانیکی برای سروو درایو CD (واحد میلی متر)

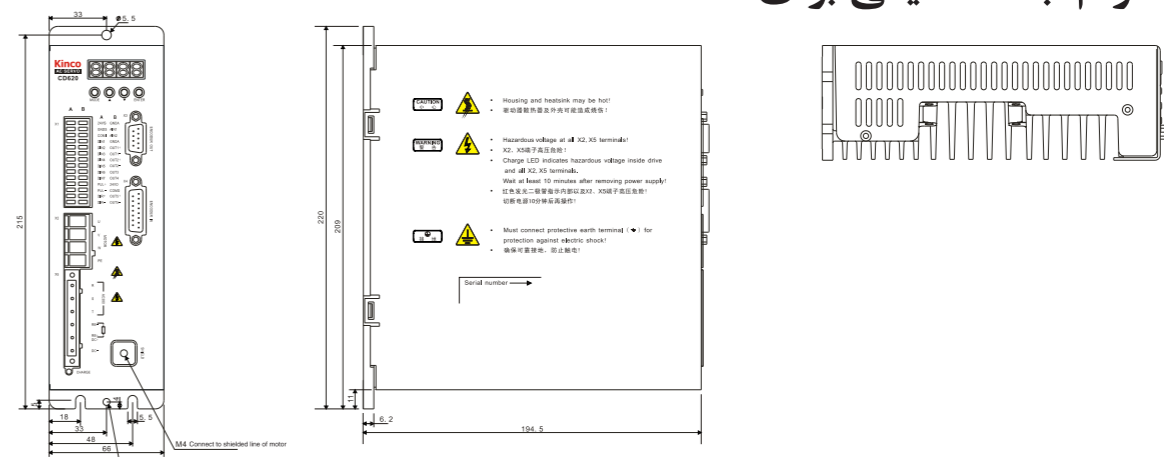
دیاگرام ابعاد مکانیکی برای CD 420



دیاگرام ابعاد مکانیکی برای CD 430



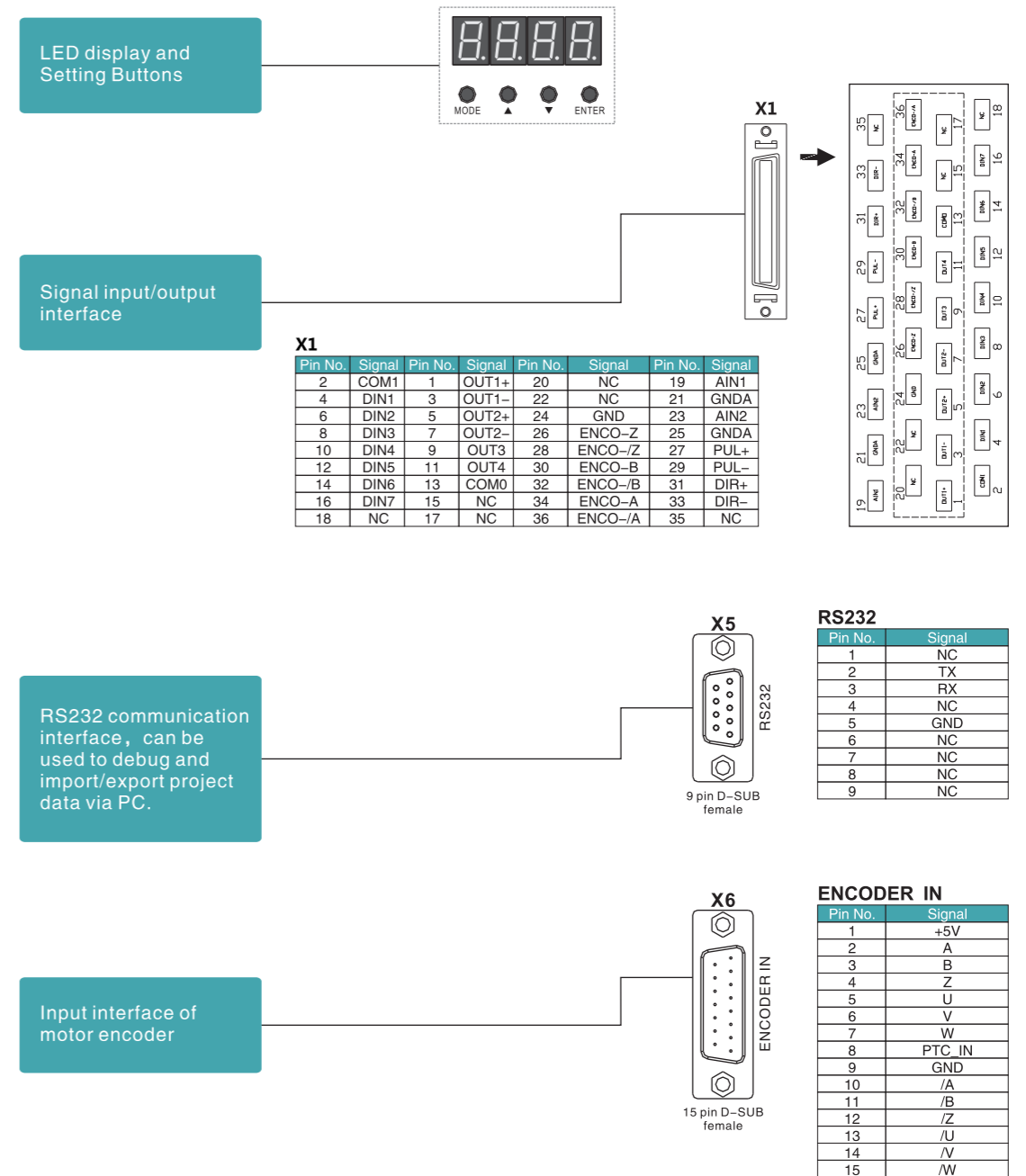
دیاگرام ابعاد مکانیکی برای CD 620



مشخصات فنی سرو درایو CD II

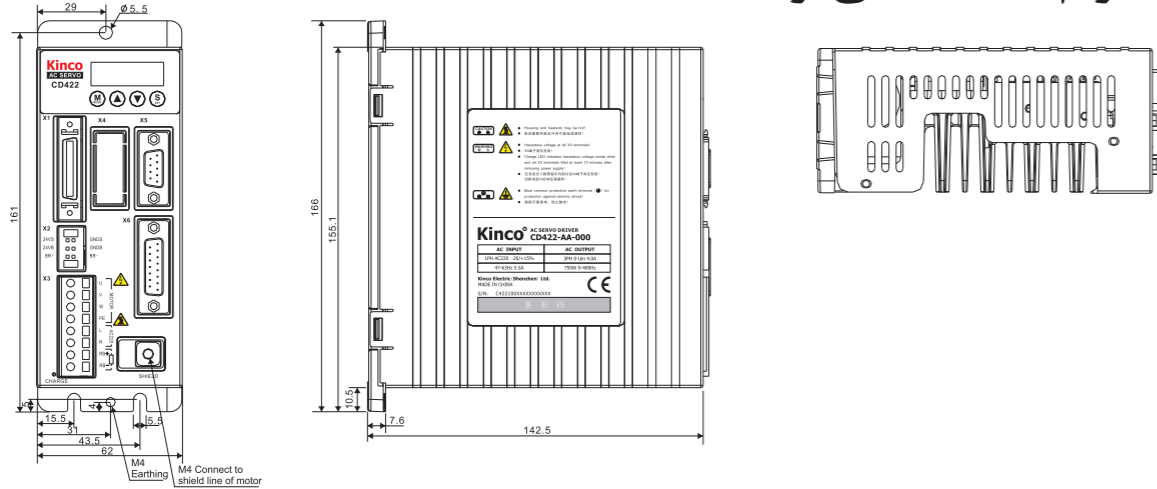
Model parameter		CD412-AA-000	CD422-AA-000	CD432-AA-000	CD622-AA-000
Power	Main supply voltage	Single-phase AC220V -20/+15% 47~63Hz		Single-phase or 3-phase AC220V -20/+15% 47~63Hz	3-phase AC380V -20/+15% 47~63Hz
	Control circuit voltage	18VDC~30VDC 1A			
Current	Max. continuous current	2A	4A	10A	7A
	Peak current(PEAK)	12A	15A	27.5A	25A
Feedback signal		2500PPR (incremental encoder with 5V)			
Brake chopper		Use an external braking resistor according to application, mainly in occasion of quick stop.			
Brake chopper threshold		DC380V ± 5V		DC680V ± 5V	
Over-voltage alarming threshold		DC400V ± 5V		DC700V ± 5V	
Under-voltage alarming threshold		DC200V ± 5V		DC400V ± 5V	
Cooling method		Natural air cooling		Fan	
Weight		1.2kg		2.4kg	
Position Mode	Max. frequency of input pulse	Differential signal: 500KPPS, Open-collector signal: 200KPPS			
	Pulse command mode	Pulse+direction, CCW+CW, A+B phase(5V~24V)			
	Command smoothing	Low-pass filtering(Adjustable by internal parameter setting)			
	Feedforward gain	Adjustable by internal parameter setting			
	Electronic gear ratio	Setting range, Gear factor: -32768~32767, Gear divider: 1~32767, 1/50 ≤ Gear factor/Gear divider ≤ 50			
Position loop sampling frequency		1KHz			
Speed Mode	Analog input voltage range	-10V~+10V(Resolution 12bit)			
	Input impedance	200K			
	Analog input sampling frequency	4KHz			
	Command source	External analog command / internal command			
	Command smoothing	Low-pass filtering(Adjustable by internal parameter setting)			
	Input voltage dead-zone setting	Adjustable by internal parameter setting			
	Input voltage offset setting	Adjustable by internal parameter setting			
	Speed limit	Adjustable by internal parameter setting			
Torque Mode	Torque limit	Adjustable by internal parameter setting / External analog command control			
	Speed loop sampling frequency	4KHz			
	Analog voltage input range	-10V~+10V(Resolution 12bit)			
	Input impedance	200K			
	Input sampling frequency	4KHz			
	Command source	External analog command / internal command			
	Command smoothing	Low-pass filtering(Adjustable by internal parameter setting)			
	Speed limit	Adjustable by internal parameter setting / External analog command control			
Digital Input	Input specification	7 digital inputs, with COM1 terminal for PNP (high level valid 12.5~30V) or NPN (low level valid) connection.			
	Input function	Define freely according to requirement, supporting following functions: Driver enable, driver fault reset, driver mode control, proportional control, positive limit, negative limit, homing signal, reverse command, internal speed section control, internal positive section control, quick stop, start homing, active command, switch electronic gear ratio, switch gain			
	Output specification	5 digital outputs, OUT1~OUT4 current is 100mA, OUT5 current is 800mA, can drive brake device directly			
Digital Output	Output function	Define freely according to requirement, supporting following functions: Driver ready, driver fault, position reached, motor at zero speed, motor brake, motor speed reached, Z signal, maximum speed obtained in torque mode, motor brake, position limiting, reference found, multi-position reached			
	Protection functions	Over-voltage protection, under-voltage protection, motor over-heat protection(I ² T), short-circuit protection, drive over-heat protection, etc.			
Communication interface		RS232 (Connections with PC: 2-2, 3-3, 5-5)			
Operation Environment	Operating temperature	0~40℃			
	Storage temperature	-10℃~70℃			
	Humidity(non-condensing)	Below 90%RH			
	Protection class	IP20			
	Installation environment	Installed in a dust-free, dry and lockable environment(such as in a electrical cabinet)			
	Installation mode	Vertical installation			
	Altitude	No power limitation below 1000m			
Atmospheric pressure		86kpa~106kpa			

شرح پورت های سرو درایو CD II

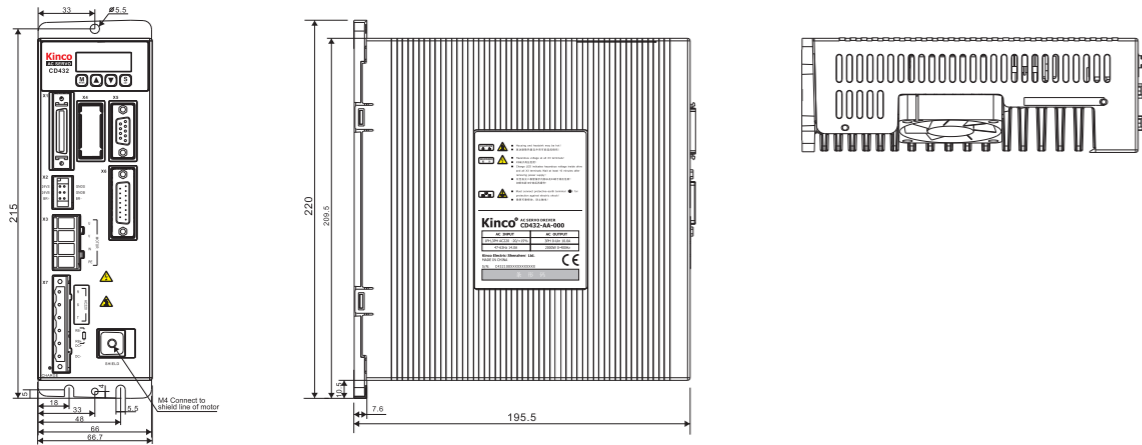


دیاگرام ابعاد مکانیکی برای سروو درایو CD II (واحد میلیمتر)

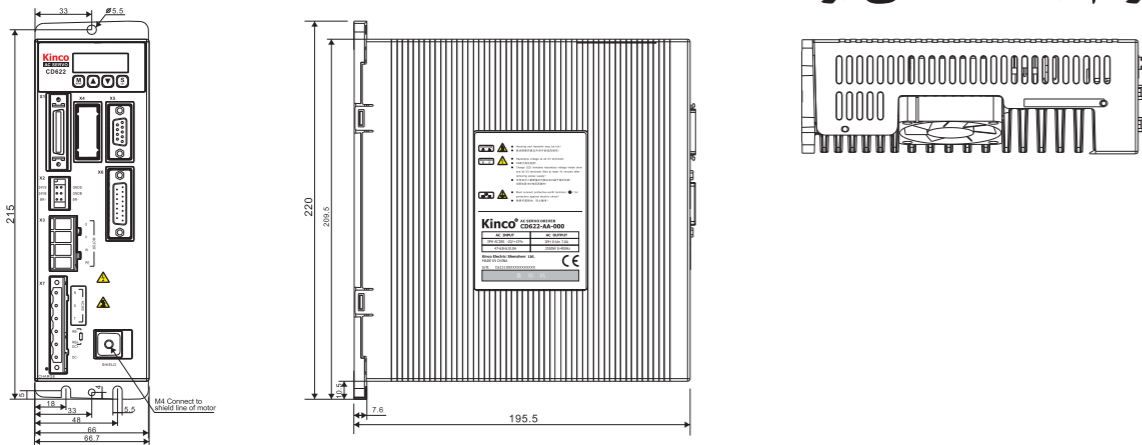
دیاگرام ابعاد مکانیکی برای CD 412 / CD 422



دیاگرام ابعاد مکانیکی برای CD 432

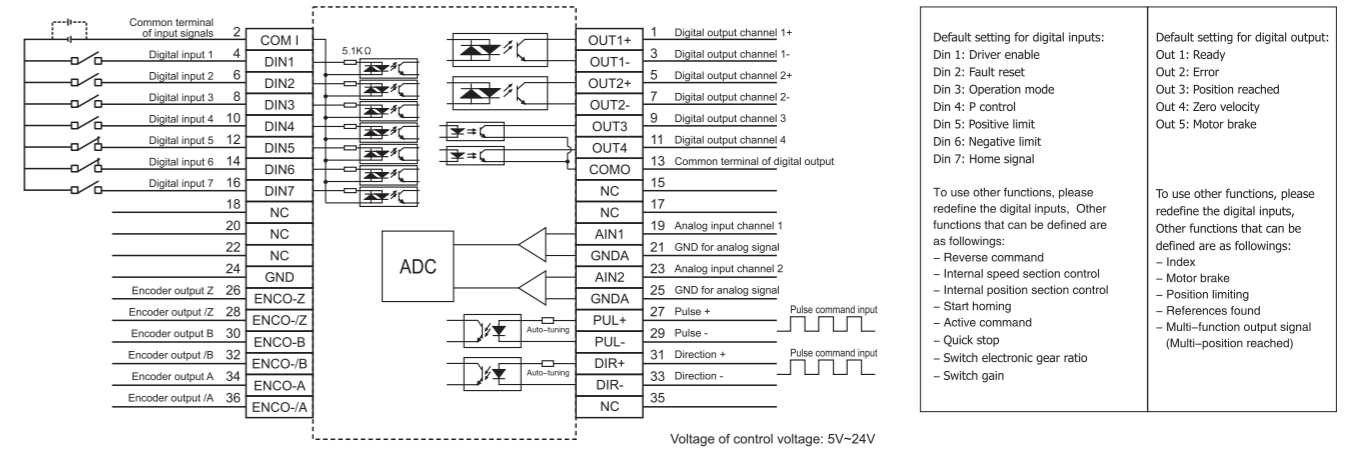


دیاگرام ابعاد مکانیکی برای CD 622

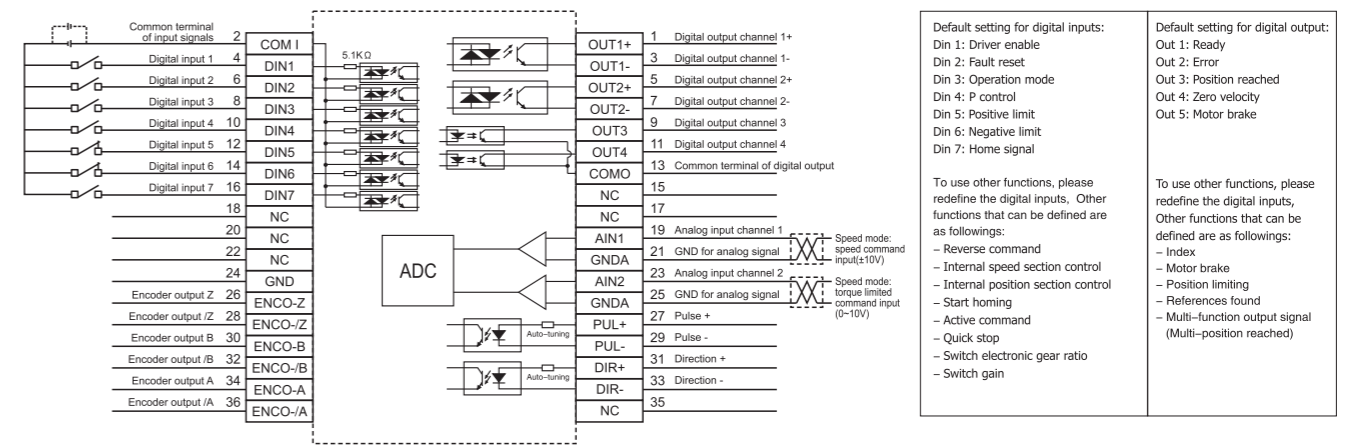


دیاگرام سیم بندی برای سروو درایو CD II

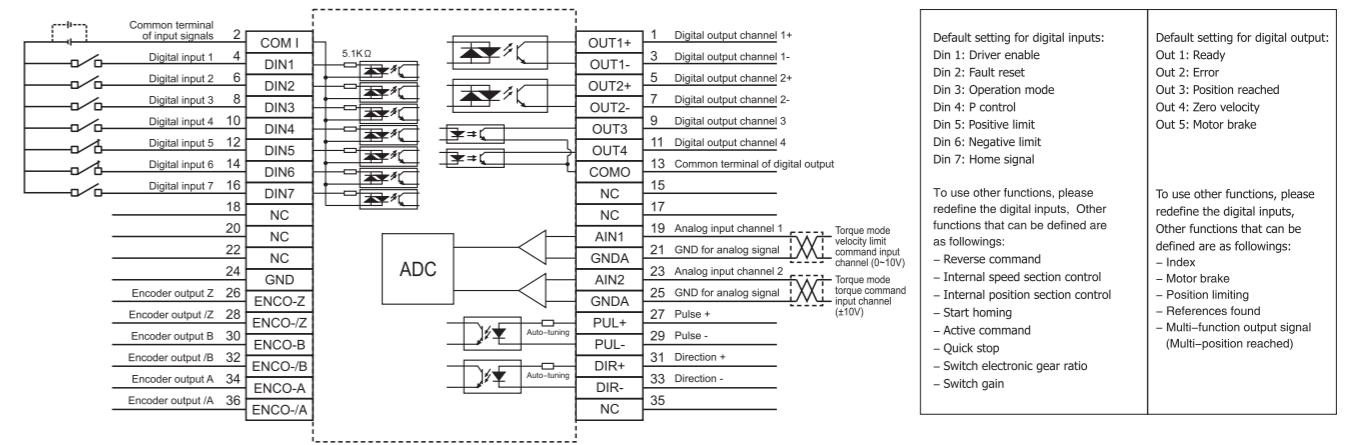
دیاگرام سیم بندی برای حالت کنترل موقعیت



دیاگرام سیم بندی برای حالت کنترل سرعت

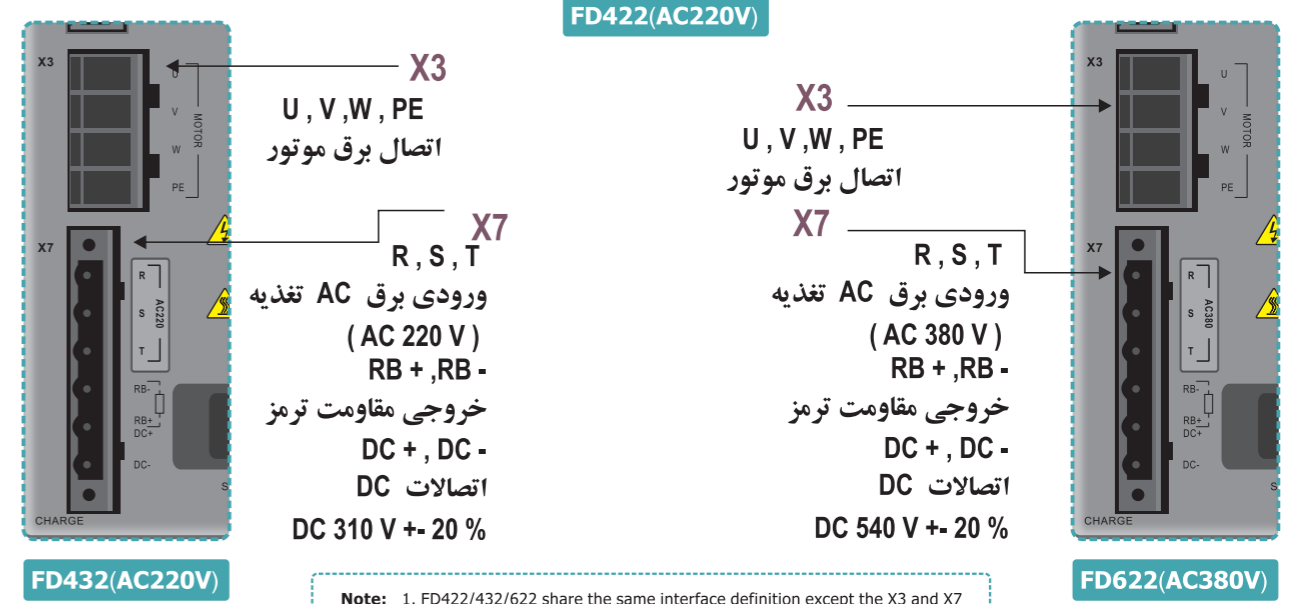
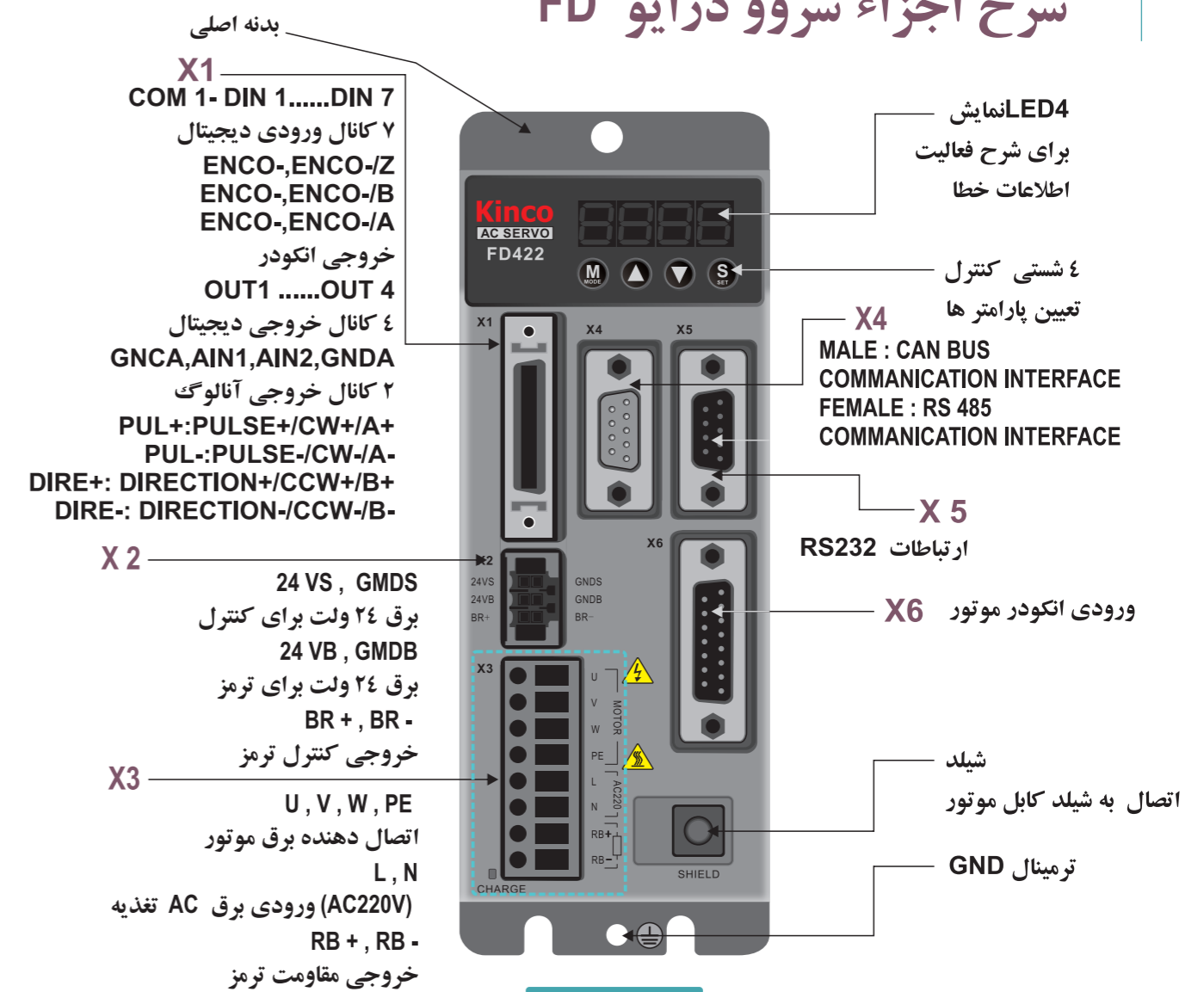
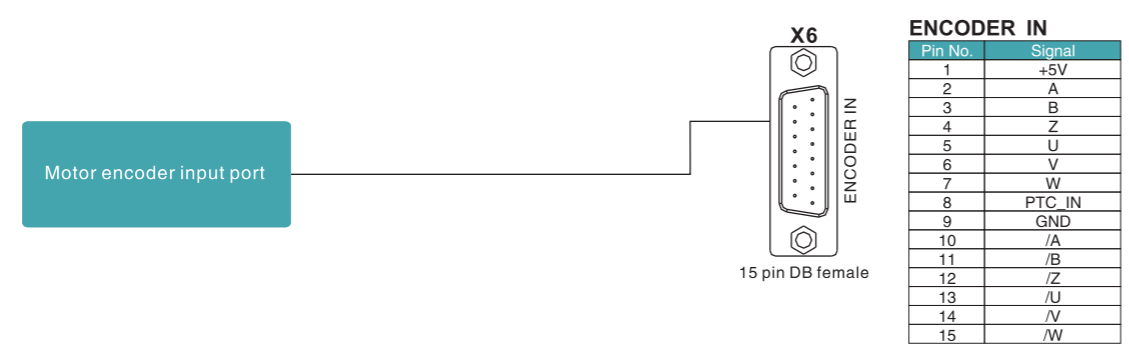
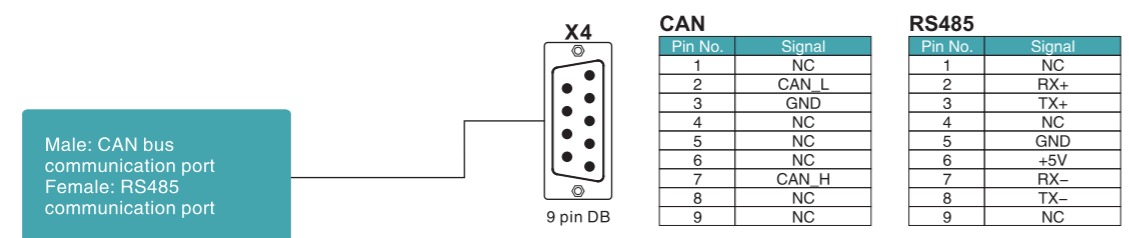
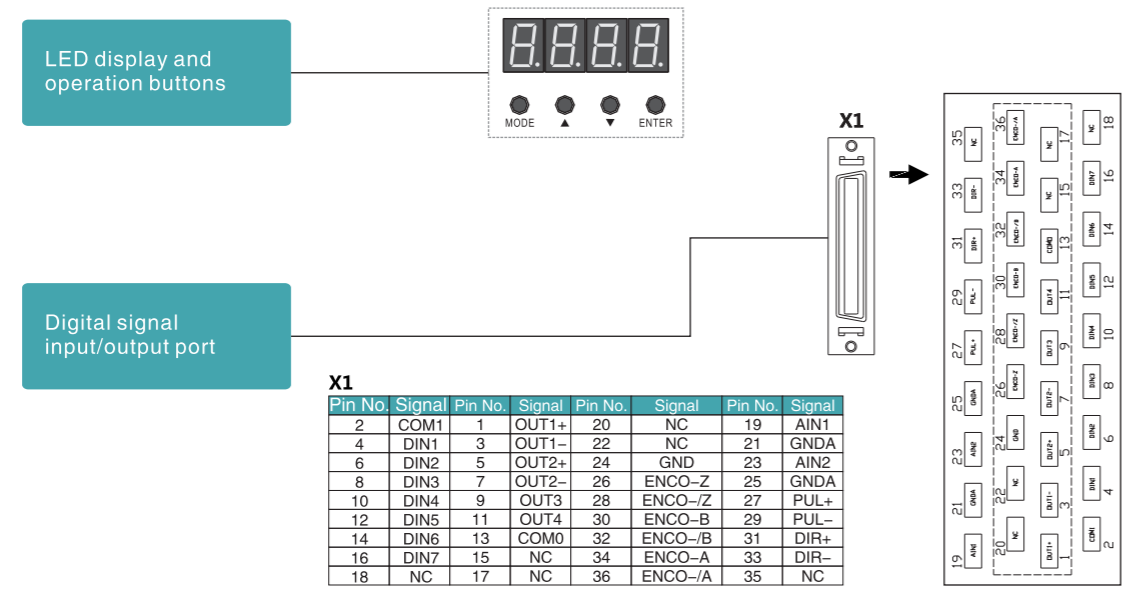


دیاگرام سیم بندی برای حالت کنترل گشتاور



شرح پورت های سروو درایو FD

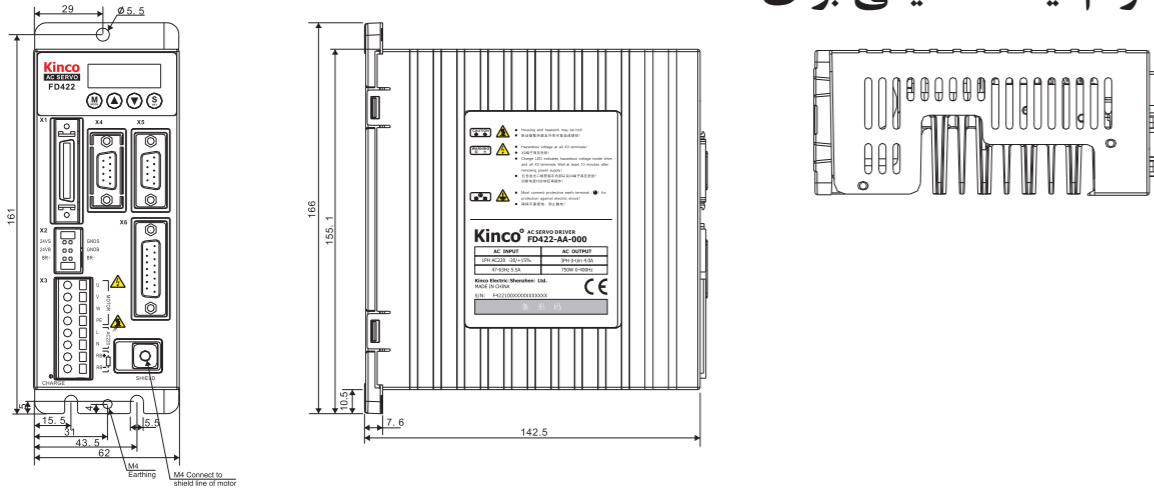
شرح اجزاء سروو درایو FD



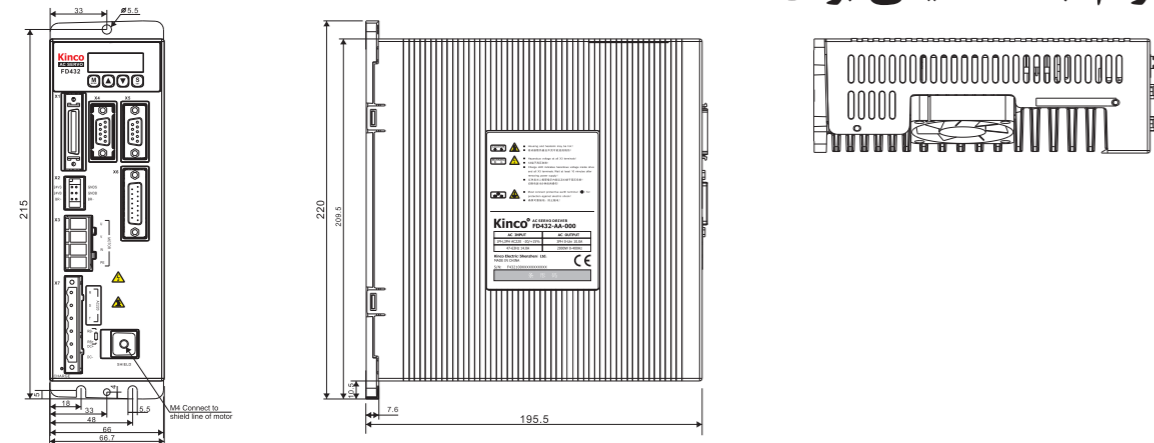
Note: 1. FD422/432/622 share the same interface definition except the X3 and X7 power interfaces;
2. Suggested brake resistor: FD422 75ohms/100W, FD432 39ohms/200W, FD622 75ohms/200W. The customer should choose the power of brake resistor according to the actual application.

دیاگرام ابعاد مکانیکی برای سروو درایو FD (واحد میلی متر)

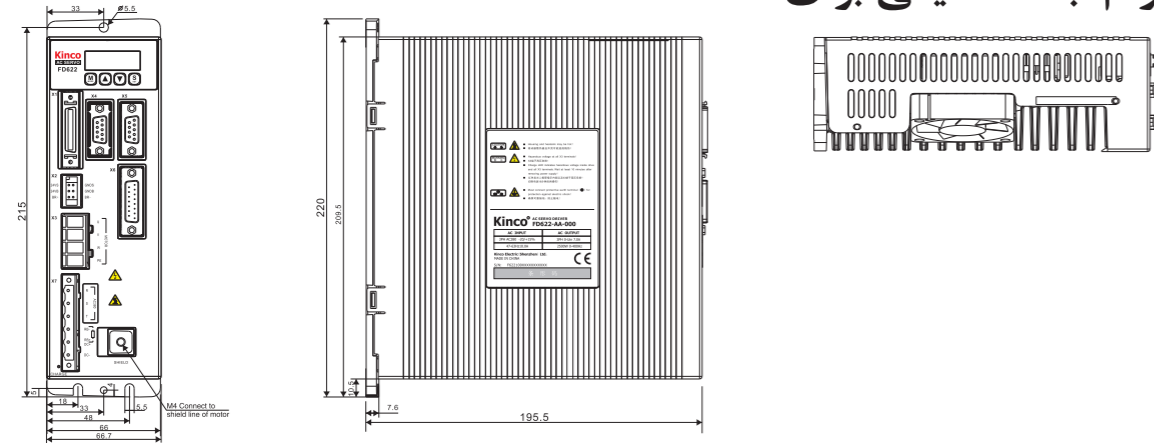
دیاگرام ابعاد مکانیکی برای FD 422



دیاگرام ابعاد مکانیکی برای FD 432



دیاگرام ابعاد مکانیکی برای FD 622



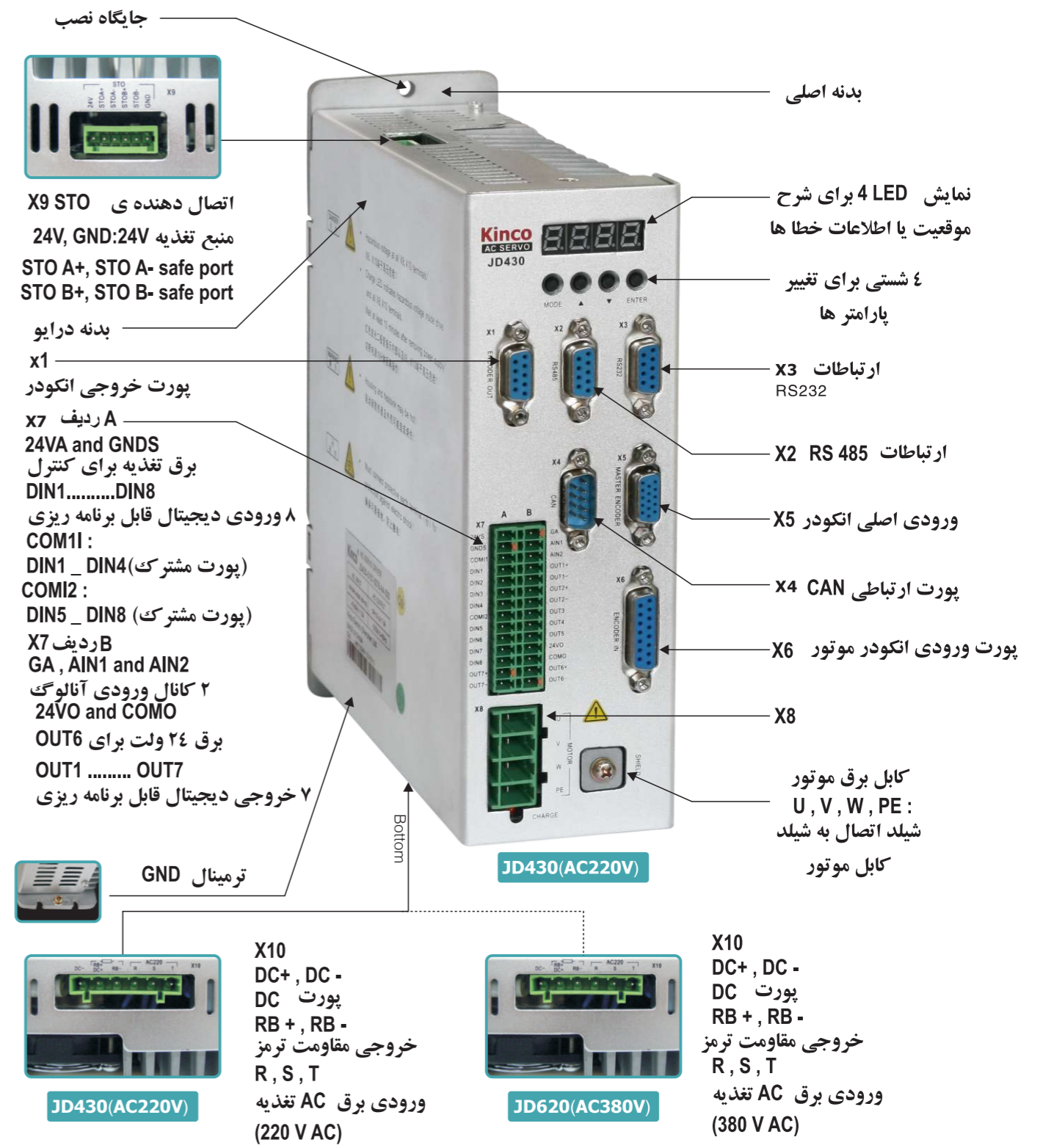
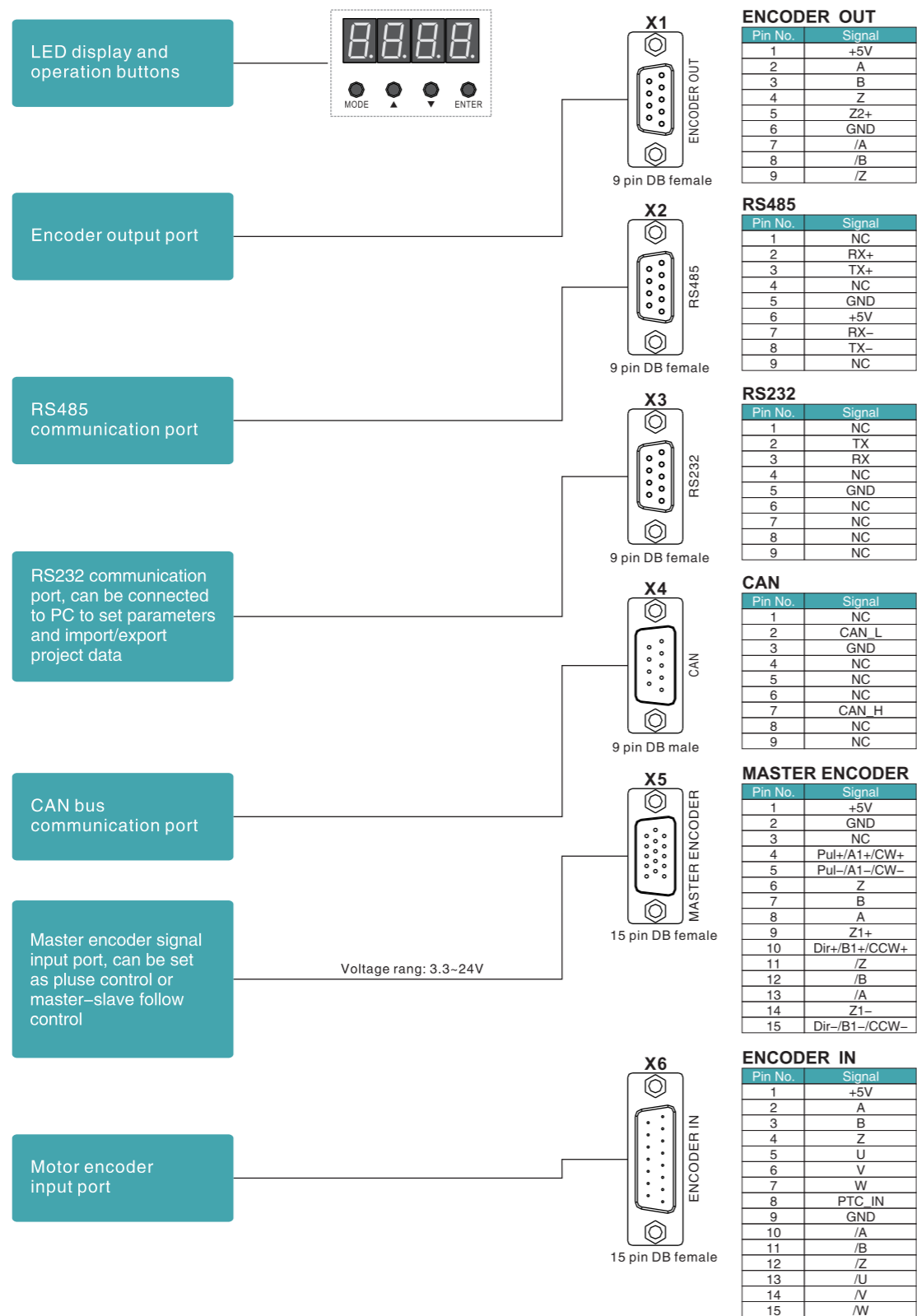
مشخصات فنی سروو درایو FD

Model Parameter		FD422-□A-000	FD432-□A-000	FD622-□A-000
Power	Main supply voltage	Single-phase AC220V -20/+15% 47-63Hz	Single-phase or 3-phase AC220V -20/+15% 47-63Hz	3-phase AC380V -20/+15% 47-63Hz
	Control circuit voltage	18VDC-30VDC 1A	18VDC-30VDC 1A	18VDC-30VDC 1A
Current	Rated current(RMS)	4A	10A	7A
	Peak current(PEAK)	15A	27.5A	25A
Feedback signal		2500PPR (incremental encoder with 5V supply)		
Brake chopper		Use an external braking resistor according to application, mainly in occasion of quick stop.		
Brake chopper threshold		DC380V ± 5V	DC380V ± 5V	DC680V ± 5V
Over-voltage alarming threshold		DC400V ± 5V	DC400V ± 5V	DC700V ± 5V
Under-voltage alarming threshold		DC200V ± 5V	DC200V ± 5V	DC400V ± 5V
Cooling method		Natural air cooling	Fan	Fan
Weight(Kg)		1.2	2.4	2.4
General Functions	Digital input specification	7 digital inputs, with COM1 terminal for PNP (high level valid 12.5-30V) or NPN (low level valid) connection.		
	Digital input function	Define freely according to requirement, supporting following functions: Driver enable, driver fault reset, driver mode control, proportional control, positive limit, negative limit, homing signal, reverse command, internal speed section control, internal positive section control, quick stop, start homing, active command, switch electronic gear ratio, switch gain		
	Digital output specification	5 digital outputs, OUT1 ~ OUT4 current is 100mA, BR+/BR- (Brake control output) current is 500mA, can drive brake device directly		
	Digital output function	Define freely according to requirement, supporting following functions: Driver ready, driver fault, position reached, motor at zero speed, motor brake, motor speed reached, Z signal, maximum speed obtained in torque mode, motor brake, position limiting, reference found, multi-position reached.		
	Analog input	2 analog input, can be used to control speed and torque, the input range is -10V~10V.		
	Encoder signal output function	Output encoder signal is optional, can be used in the multiple axes synchronization, the max. output frequency is 2MHz.		
	RS232	The max. baudrate is 115.2KHz, use JD-PC software to communicate with PC, or via free protocol to communicate with controller.		
Operation Environment	Protection functions	Over-voltage protection, under-voltage protection, motor over-heat protection(I←T), short-circuit protection, drive over-heat protection, etc.		
	RS485	The max. baudrate is 115.2KHz, use Modbus RTU protocol to communicate with controller.		
	CAN BUS	The max. baudrate is 1MHz, use CANopen protocol to communicate with controller.		
	Operating temperature	0~40℃		
	Storage temperature	-10℃~70℃		
	Humidity(non-condensing)	Below 90%RH		
	Protection class	IP20		
Installation environment	Installed in a dust-free, dry and lockable environment (such as in a electrical cabinet)			
Installation mode	Vertical installation			
Height	No power limitation below 1000m			
Atmospheric pressure	86kpa~106kpa			

Note: □=L: Communication port RS232, RS485.
□=A/C: Communication port RS232, CANopen.

شرح پورت های سروو درایو JD

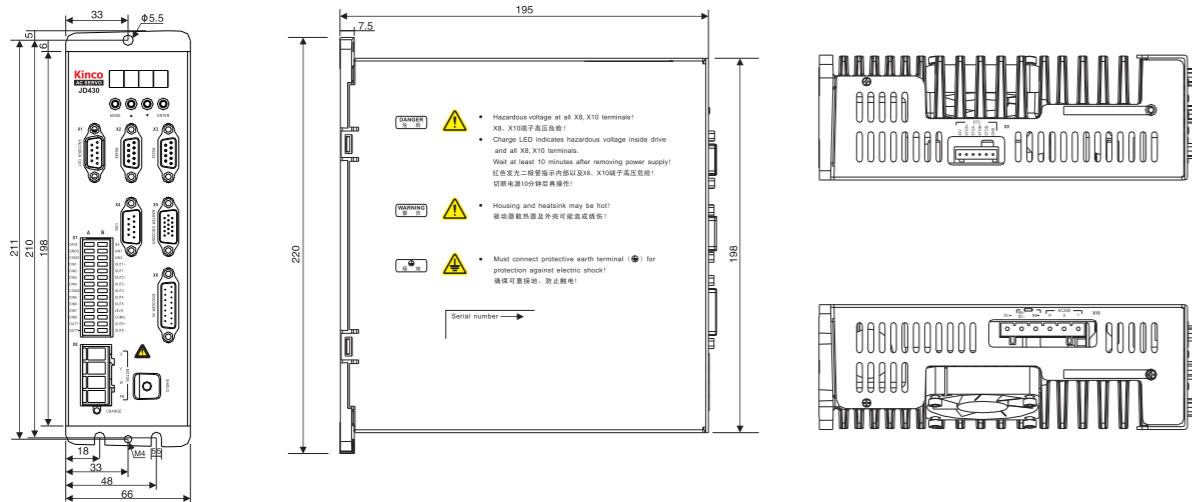
شرح اجزاء سروو درایو JD



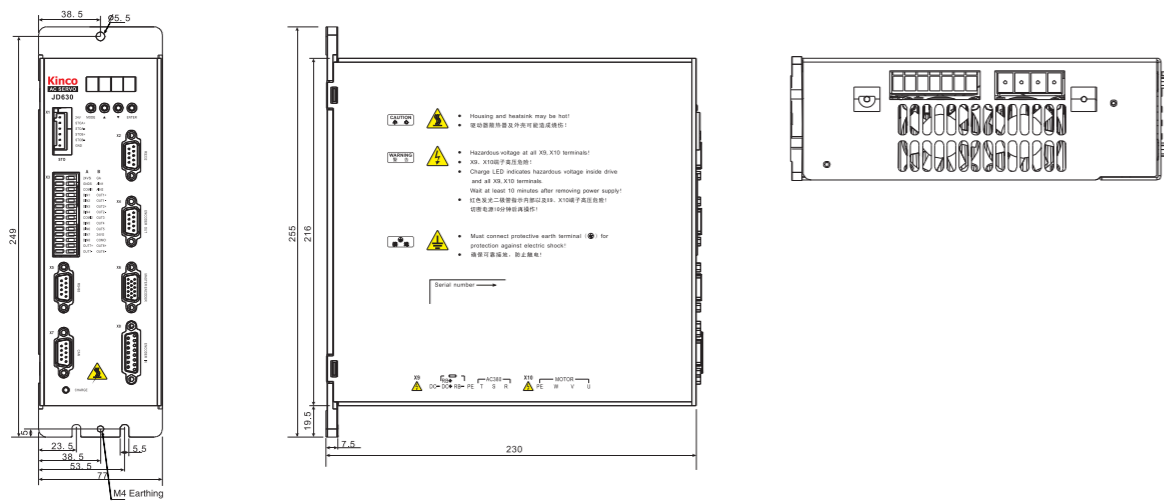
Note: 1. JD430/JD620 drivers share the same interface definition, except for X10 power interfaces.
2. Suggested brake resistor: JD430 39ohms/200W, JD620 75ohms/100W, JD620 75ohms/200W. The customer should chose the power of brake resistor according to the actual application.

دیاگرام ابعاد مکانیکی برای سروو درایو JD (واحد میلیمتر)

دیاگرام ابعاد مکانیکی برای JD 430 / JD 620



دیاگرام ابعاد مکانیکی برای JD 630 / JD 640



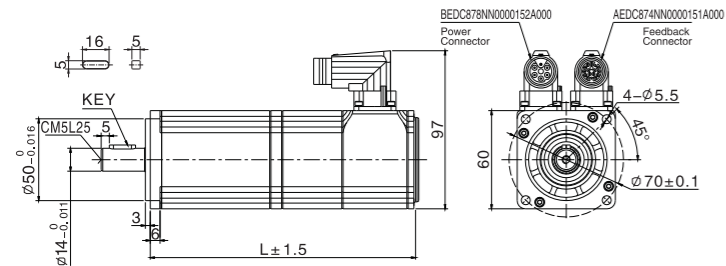
مشخصات فنی سروو درایو JD

Model Parameter		JD430-AA-000	JD620-AA-000	JD630-□A-000	JD640-□A-000
Power	Main supply voltage	Single-phase or 3-phase AC220V -20/+15% 47-63Hz	3-phase AC380V -20/+15% 47-63Hz	3-phase AC380V -20/+15% 47-63Hz	3-phase AC380V -20/+15% 47-63Hz
	Control circuit voltage	18VDC~30VDC 1A	18VDC~30VDC 1A	18VDC~30VDC 1A	18VDC~30VDC 1A
Current	Rated current(RMS)	10A	7A	10A	13A
	Peak current(PEAK)	27.5A	25A	35A	45A
Brake chopper threshold		DC380V ± 5V	DC680V ± 5V	DC680V ± 5V	DC680V ± 5V
Over-voltage alarming threshold		DC400V ± 5V	DC700V ± 5V	DC700V ± 5V	DC700V ± 5V
Under-voltage alarming threshold		DC200V ± 5V	DC400V ± 5V	DC400V ± 5V	DC400V ± 5V
Cooling method		Forced air cooling		Forced air cooling	
Weight(Kg)		2.51		3.62	
Size(width*high*thicker)		220 × 195 × 66 mm		255 × 230 × 77 mm	
General Functions	Digital operation panel	4 buttons and 4 LED display.			
	External I/O	7 digital outputs(OUT1, OUT2, OUT7 are 0.1A and OUT3-OUT6 are 0.5A, can define driver ready and other functions freely; 8 digital inputs(12.5-30V), can define driver enables and other functions freely.			
	Analog input	2 analog inputs, can be used to control speed and torque, the input range is -10V~10V.			
	Encoder signal output function	Output encoder signal and master encoder signal are optional, can be used in the multiple axes synchronization, the max. output frequency is 2MHz.			
	Master encoder input function	Can receive 3.3V~4.4V pulse/direction signal, CW/CCW signal, and the RS422 difference signal, the max. input frequency is 4MHz.			
	Feedback signal	Incremental A. B. Z. U. V. W. A/. B/. Z/. U/. V/. W/. signal			
	RS232	The max. baudrate is 115.2KHz, use JD-PC software to communicate with PC, or via free protocol to communicate with controller.			
	RS485	The max. baudrate is 115.2KHz, use Modbus RTU protocol to communicate with controller.			
	CAN BUS	The max. baudrate is 1MHz, use CANopen protocol to communicate with controller.			
STO function	STO port can be connected to safe controller, switch, and sensor to protect the system.				
Operation Environment	Operating temperature	0~40℃			
	Storage temperature	-10℃~70℃			
	Humidity(non-condensing)	Below 90%RH			
	Protection class	IP20			
	Installation environment	Installed in a dust-free,dry and lockable environment(such as in a electrical cabinet)			
	Installation mode	Vertical installation			
	Height	No power limitation below 1000m			
Atmospheric pressure	86kpa~106kpa				

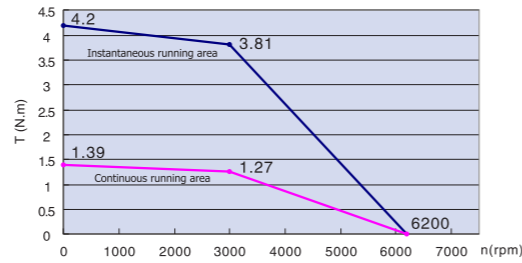
Note: □=L: Communication port RS232, RS485.
□=A: Communication port RS232, RS485, CANopen.

ابعاد و منحنی گشتاور دور سروو موتورها (فلنج ۶۰ / ۸۰)

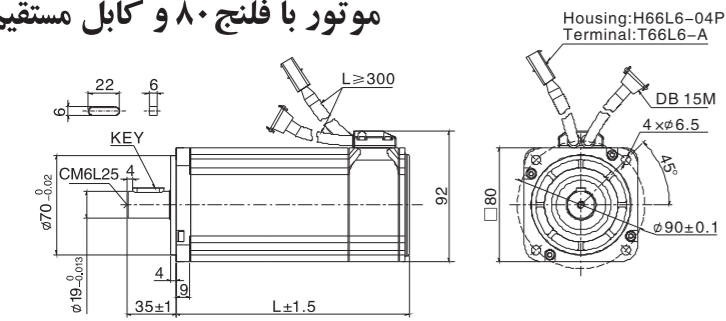
موتور با فلنج ۶۰ و اتصال دهنده



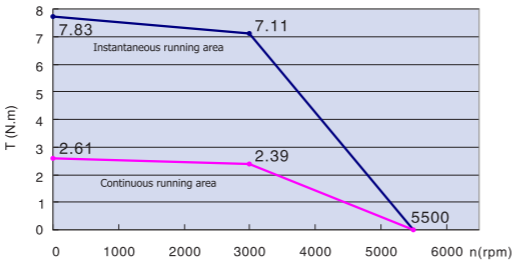
SMH/SME60S-0040-30A K-3LK 400W



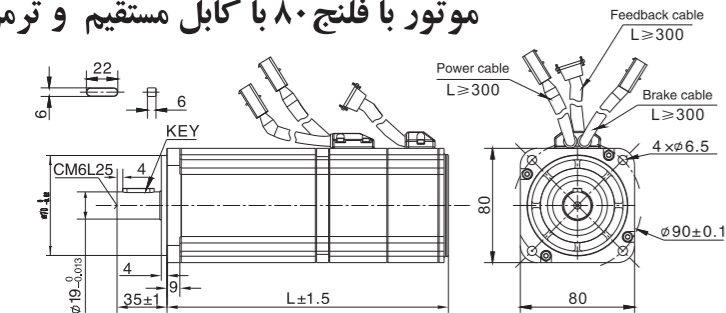
موتور با فلنج ۸۰ و کابل مستقیم



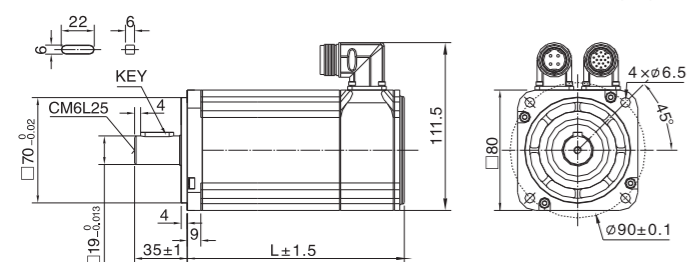
SMH/SME80S-0075-30A K-3LK 750W



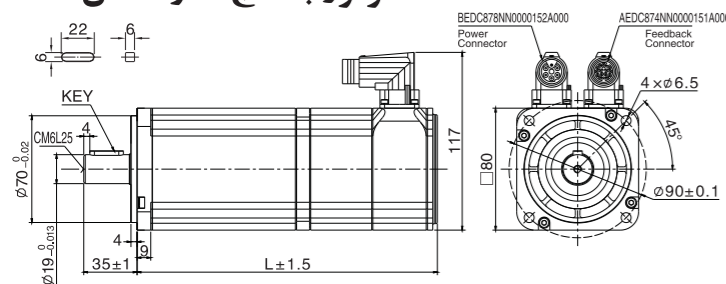
موتور با فلنج ۸۰ با کابل مستقیم و ترمز



موتور با فلنج ۸۰ و اتصال دهنده استاندارد سری HFO

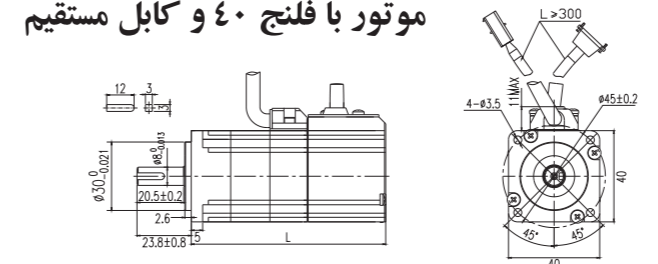


موتور با فلنج ۸۰ و اتصال دهنده

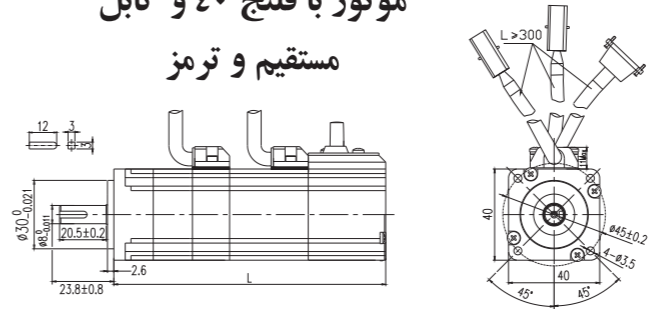


ابعاد و منحنی گشتاور دور سروو موتورها (فلنج ۴۰ / ۶۰)

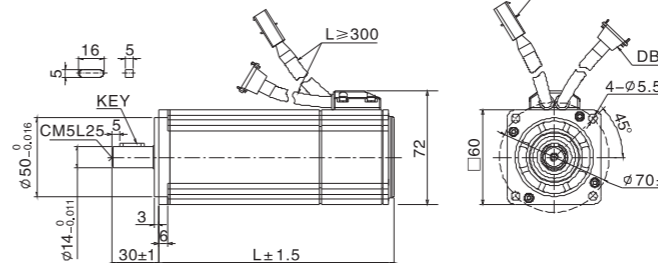
موتور با فلنج ۴۰ و کابل مستقیم



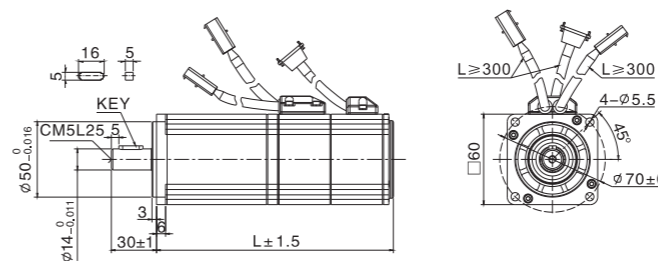
موتور با فلنج ۴۰ و کابل مستقیم و ترمز



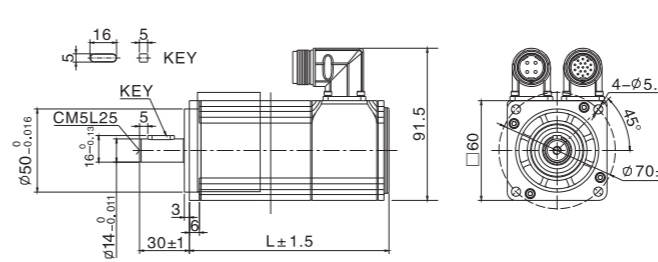
موتور با فلنج ۶۰ و کابل مستقیم



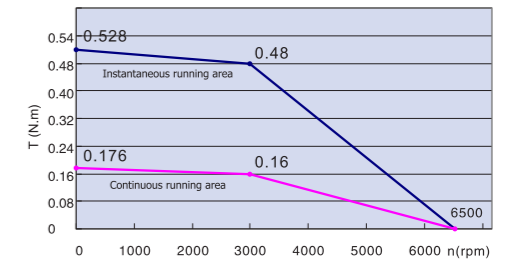
موتور با فلنج ۶۰ و کابل مستقیم با ترمز



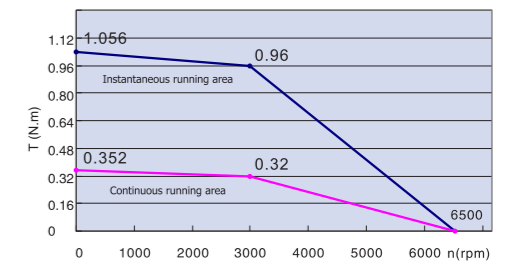
موتور با فلنج ۶۰ با اتصال دهنده های استاندارد سری HFO



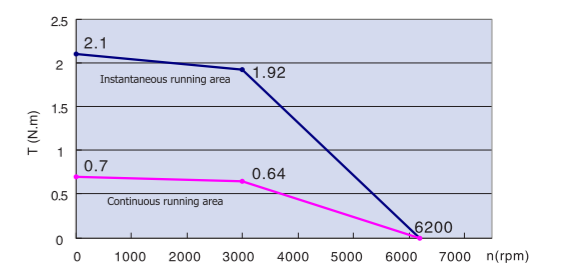
SMH40S-0005-30A K-4LK 50W



SMH40S-0010-30A K-4LK 100W



SMH/SME60S-0020-30A K-3LK 200W



مشخصات فنی موتور های SME 60 / 80

Motor series		SME Series Motor		
		Small inertia flange size 60mm		Small inertia flange size 80mm
Model		SME60S-0020-30A□K-3LK□	SME60S-0040-30A□K-3LK□	SME80S-0075-30A□K-3LK□
DC link voltage UDC		300	300	300
Continuous performance	Rated power P_n (W)	200	400	750
	Rated torque T_n (Nm)	0.64	1.27	2.39
	Rated speed n_n (rpm)	3000	3000	3000
	Rated current I_N (A)	1.6	3.1	3.9
Maximum torque T_m (Nm)		1.92	3.81	7.17
Maximum current I_m (A)		4.8	9.3	11.7
Standstill torque T_s (Nm)		0.7	1.4	2.63
Standstill current I_S (A)		1.76	3.41	4.29
Resistance line-line RL (Ω)		10.4	5.8	3
Inductance line-line LL (mH)		25.4	15	16.2
Electrical time constant τ_e (ms)		2.44	2.59	5.4
Mechanical time constant τ_m (ms)		2.93	1.93	1.49
Reverse voltage constant K_e (V/krpm)		29	29	40
Torque constant K_t (Nm/A)		0.48	0.48	0.662
Rotor moment of inertia J_m (Kg · cm ²)		0.375	0.443	1.255
		0.379 (with brake)	0.447 (with brake)	1.28 (with brake)
Pole pair number		3	3	3
Maximum voltage rising du/dt (KV/ μ s)		8	8	8
Insulation class		F	F	F
Maximum radial force F (N)		180	180	335
Maximum axial force F (N)		90	90	167.5
Weight G (Kg)		1.3	1.6	2.9
		1.8 (with brake)	2.1 (with brake)	3.6 (with brake)
Length of motor L (mm)		120±1.5	135±1.5	132±1.5
		159 ± 1.5 (with brake)	174 ± 1.5 (with brake)	182 ± 1.5 (with brake)
Position feedback device		Incremental encoder 2500ppr		
Cooling method		Totally enclosed, non-ventilated		
Protection level		IP65 for body, shaft sealing IP54		
Environmental conditions for operation	Temperature	-20°C ~ 40°C (Non-freezing)		
	Humidity	Below 90% RH (Non-condensing)		
	Ambient environment	Away from active gas, combustible gas, oil drops and dust		
	Altitude	Maximum altitude 4000m, Rated power at 1000m or below, Above 1000m: Decreasing 1.5% per 100m rise		

Note: □=A: no brake □=H: Cable connector
 □=B: brake □=N: HFO series standard connector
 □=M: Intercontec connector

مشخصات فنی موتور های SMH 40 / 60 / 80

Motor series		SMH Series Motor				
		Small inertia flange size 40mm		Small inertia flange size 60mm		Small inertia flange size 80mm
Model		SMH40S-0005-30A□K-4LKH	SMH40S-0010-30A□K-4LKH	SMH60S-0020-30A□K-3LK□	SMH60S-0040-30A□K-3LK□	SMH80S-0075-30A□K-3LK□
DC link voltage UDC		300	300	300	300	300
Continuous performance	Rated power P_n (W)	50	100	200	400	750
	Rated torque T_n (Nm)	0.16	0.32	0.64	1.27	2.39
	Rated speed n_n (rpm)	3000	3000	3000	3000	3000
	Rated current I_N (A)	0.7	1.4	1.6	3.1	3.9
Maximum torque T_m (Nm)		0.48	0.96	1.92	3.82	7.17
Maximum current I_m (A)		2.1	4.2	4.8	9.3	11.7
Standstill torque T_s (Nm)		0.176	0.352	0.7	1.39	2.63
Standstill current I_S (A)		0.77	1.54	1.79	3.38	4.4
Resistance line-line RL (Ω)		16.6	5.53	8.02	3.52	1.4
Inductance line-line LL (mH)		14	6	16.3	7.8	7.5
Electrical time constant τ_e (ms)		0.84	1.08	2.03	2.22	5.35
Mechanical time constant τ_m (ms)		1.28	0.86	2.26	1.35	0.75
Reverse voltage constant K_e (V/krpm)		16	14	29	29	40
Torque constant K_t (Nm/A)		0.265	0.265	0.48	0.48	0.662
Rotor moment of inertia J_m (Kg · cm ²)		0.031	0.059	0.375	0.51	1.36
		0.031 (with brake)	0.061 (with brake)	0.379 (with brake)	0.514 (with brake)	1.385 (with brake)
Pole pair number		4	4	3	3	3
Maximum voltage rising du/dt (KV/ μ s)		8	8	8	8	8
Insulation class		F	F	F	F	F
Maximum radial force F (N)		120	120	180	180	335
Maximum axial force F (N)		60	60	90	90	167.5
Weight G (Kg)		0.5	0.8	1.3	1.8	3.3
		0.8 (with brake)	1.0 (with brake)	1.8 (with brake)	2.3 (with brake)	4 (with brake)
Length of motor L (mm)		85.3±1	110.8 ± 1	120	150	147
		119 ± 1.5 (with brake)	145 ± 1.5 (with brake)	159 ± 1.5 (with brake)	189 ± 1.5 (with brake)	197 ± 1.5 (with brake)
Position feedback device		Incremental encoder 2500ppr				
Cooling method		Totally enclosed, non-ventilated				
Protection level		IP65 for body, shaft sealing IP54				
Environmental conditions for operation	Temperature	-20°C ~ 40°C (Non-freezing)				
	Humidity	Below 90% RH (Non-condensing)				
	Ambient environment	Away from active gas, combustible gas, oil drops and dust				
	Altitude	Maximum altitude 4000m, Rated power at 1000m or below, Above 1000m: Decreasing 1.5% per 100m rise				

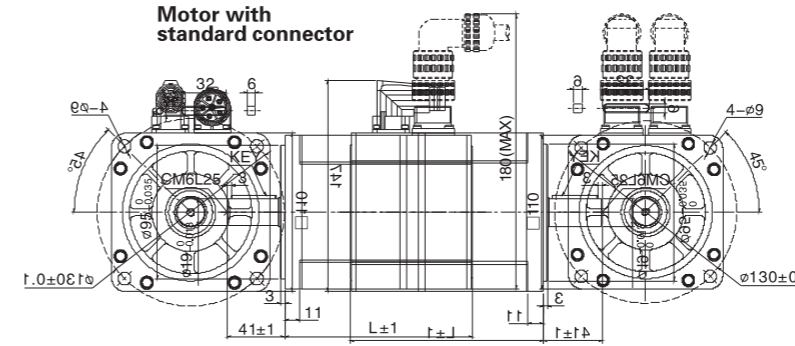
Note: □=A: no brake □=H: Cable connector
 □=B: brake □=N: HFO series standard connector
 □=M: Intercontec connector

مشخصات فنی سروو موتور SMH110 (فلنج ۱۱۰)

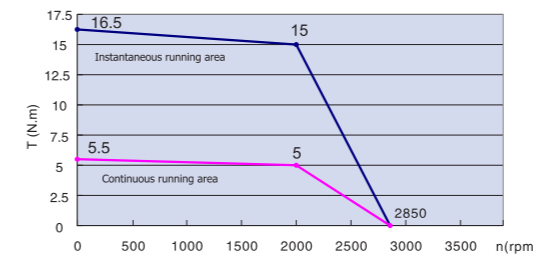
ابعاد / منحني گشتاور سروو موتور (فلنج ۱۱۰)

Motor series		Medium inertia, flange size 110mm					
Model		SMH110D-0125 -30A□K-4LK□	SMH110D-0126 -30A□K-4HK□	SMH110D-0105 -20A□K-4LK□	SMH110D-0157 -30A□K-4HK□	SMH110D-0126 -20A□K-4LK□	SMH110D-0188 -30A□K-4HK□
DC link voltage UDC		300	560	300	560	300	560
Continuous performance	Rated power P_n (W)	1250	1260	1050	1570	1260	1880
	Rated torque T_n (Nm)	4.0	4.0	5.0	5.0	6.0	6.0
	Rated speed n_n (rpm)	3000	3000	2000	3000	2000	3000
	Rated current I_N (A)	6.5	4.3	5.9	5.9	6.2	6.2
Maximum torque T_m (Nm)		12	12	15.0	15.0	18.0	18.0
Maximum current I_m (A)		19.5	12.9	17.7	17.7	18.6	18.6
Standstill torque T_s (Nm)		4.4	4.4	5.5	5.5	6.6	6.6
Standstill current I_S (A)		6.82	4.73	6.49	6.49	6.765	6.765
Resistance line-line RL (Ω)		0.8	1.83	1.03	1.03	1.258	1.258
Inductance line-line LL (mH)		6.4	13.5	7.8	7.8	9.62	9.62
Electrical time constant τ_e (ms)		7.9	7.37	7.57	7.57	7.64	7.64
Mechanical time constant τ_m (ms)		1.4	1.63	1.55	1.55	1.65	1.65
Reverse voltage constant K_e (V/krpm)		45	64	55	55	64	64
Torque constant K_t (Nm/A)		0.744	1.058	0.910	0.910	1.058	1.058
Rotor moment of inertia J_m (Kg · cm ²)		5.85	5.85	7.25	7.25	8.55	8.55
Pole pair number		4	4	4	4	4	4
Maximum voltage rising du/dt (KV/ μ s)		8	8	8	8	8	8
Insulation class		F	F	F	F	F	F
Maximum radial force F (N)		630	630	630	630	630	630
Maximum axial force F (N)		315	315	315	315	315	315
Weight G (Kg)		6.2	6.2	7.2	7.2	8.2	8.2
Length of motor L (mm)		168	168	185	185	202	202
Position feedback device		Incremental encoder 2500ppr					
Cooling method		Totally enclosed, non-ventilated					
Protection level		IP65 for body, shaft sealing IP54					
Environmental conditions for operation	Temperature	-20°C ~ 40°C (Non-freezing)					
	Humidity	Below 90% RH (Non-condensing)					
	Ambient environment	Away from active gas, combustible gas, oil drops and dust					
	Altitude	Maximum altitude 4000m, Rated power at 1000m or below, Above 1000m: Decreasing 1.5% per 100m rise					

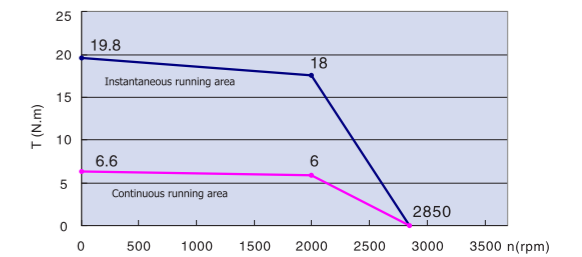
Note: □=A: no brake □=C: Standard connector
 □=B: brake □=D: Intercontec connector



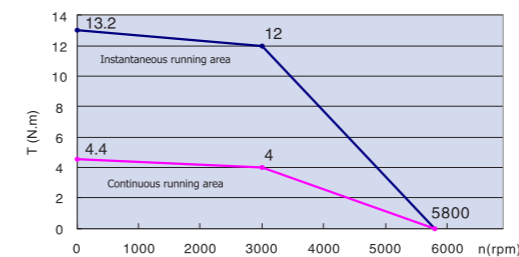
SMH110D-0105-20A□K-4LK□ 1.05KW



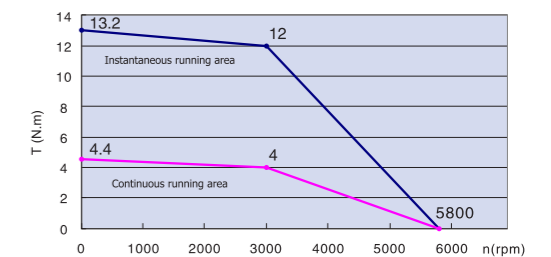
SMH110D-0126-20A□K-4LK□ 1.26KW



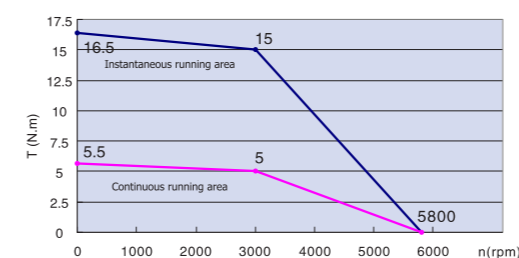
SMH110D-0125-30A□K-4LK□ 1.25KW



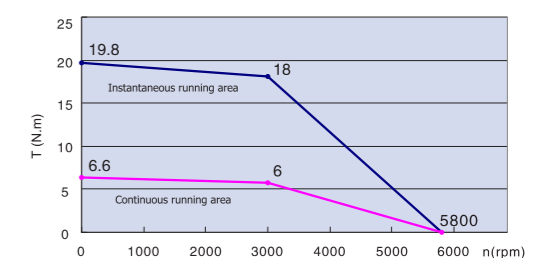
SMH110D-0126-30A□K-4HK□ 1.26KW



SMH110D-0157-30A□K-4HK□ 1.57KW

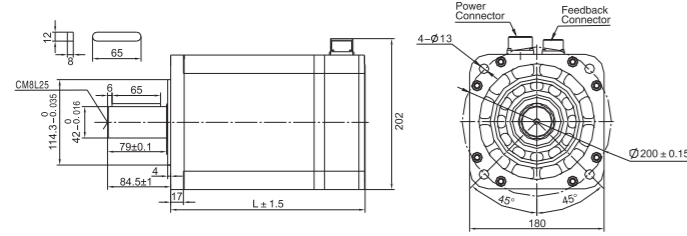


SMH110D-0188-30A□K-4HK□ 1.88KW



ابعاد سروو موتور (فلنج ۱۸۰)

SMH Series Motors with standard connector, flange size 180mm



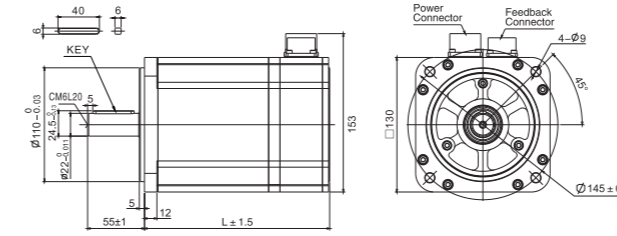
مشخصات فنی سروو موتور SMH130/ 150/ 180

Motor series	Medium inertia, flange size 130mm	Medium inertia, flange size 150mm	Medium inertia, flange size 150mm	Medium inertia, flange size 150mm
Model	SMH130D-0105-20A□K-4HK□	SMH130D-0157-20A□K-4HK□	SMH130D-0210-20A□K-4HK□	SMH150D-0230-20A□K-4HK□
DC link voltage UDC	560	560	560	560
Continuous performance	Rated power P _N (W)	1050	1570	2100
	Rated torque T _N (Nm)	5	7.5	10
	Rated speed n _N (rpm)	2000	2000	2000
	Rated current I _N (A)	4.3	6.3	7.6
Maximum torque T _m (Nm)	12.5	18.75	25	27.5
Maximum current I _m (A)	10.75	15.75	19	17.75
Standstill torque T _s (Nm)	5.5	8.25	11	12.1
Standstill current I _s (A)	4.73	6.93	8.36	7.81
Resistance line-line R _L (Ω)	1.85	1.17	0.98	2.2
Inductance line-line L _L (mH)	23.7	16.2	14.3	14(AVG)
Electrical time constant τ _e (ms)	12.81	13.846	14.592	6.36
Mechanical time constant τ _m (ms)	2.868	2.529	2.268	4.68
Reverse voltage constant K _e (V/krpm)	70	72	80	100
Torque constant K _t (Nm/A)	1.1578	1.191	1.3232	1.65
Rotor moment of inertia J _m (Kg · cm ²)	12	17.7	23.4	33.5
	12.04 (With brake)	17.74 (With brake)	23.44 (With brake)	33.6 (With brake)
Pole pair number	4	4	4	4
Maximum voltage rising du/dt (KV/μs)	8	8	8	8
Insulation class	F	F	F	F
Maximum radial force F (N)	900	900	900	1200
Maximum axial force F (N)	450	450	450	600
Weight G(Kg)	7.5	9.1	10.7	12
	9.7 (With brake)	11.3 (With brake)	12.9 (With brake)	15.5 (With brake)
Length of motor L(mm)	159 ± 1.5	179 ± 1.5	199 ± 1.5	226 ± 1.5
	220 ± 1.5 (With brake)	240 ± 1.5 (With brake)	260 ± 1.5 (With brake)	292 ± 1.5 (With brake)
Position feedback device	Incremental encoder 2500ppr			
Cooling method	Totally enclosed, non-ventilated			
Protection level	IP65 for body, shaft sealing IP54			
Environmental conditions for operation	Temperature	-20°C ~ 40°C (Non-freezing)		
	Humidity	Below 90% RH (Non-condensing)		
	Ambient environment	Away from active gas, combustible gas, oil drops and dust		
	Altitude	Maximum altitude 4000m, Rated power at 1000m or below, Above 1000m: Decreasing 1.5% per 100m rise		

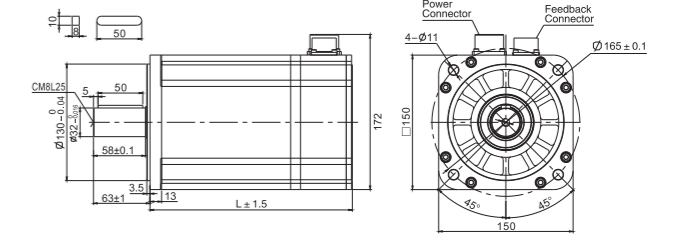
Note: □=A: No brake □=C: Standard connector
□=B: Brake □=D: Intercontec connector

ابعاد / منحنی گشتاور سروو موتور (فلنج ۱۳۰/۱۵۰/۱۸۰)

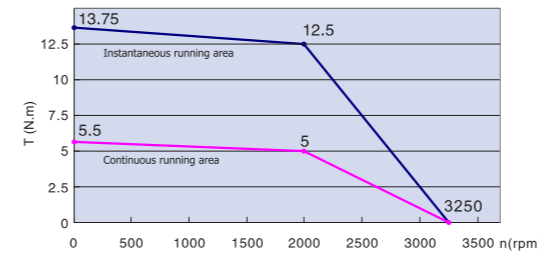
SMH Series Motors with standard connector, flange size 130mm



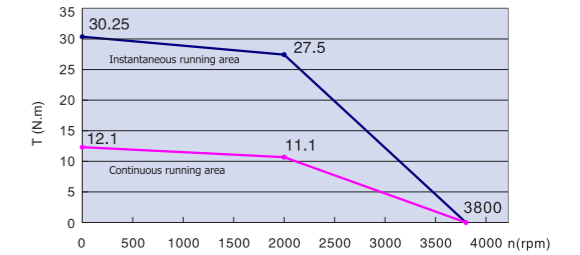
SMH Series Motors with standard connector, flange size 150mm



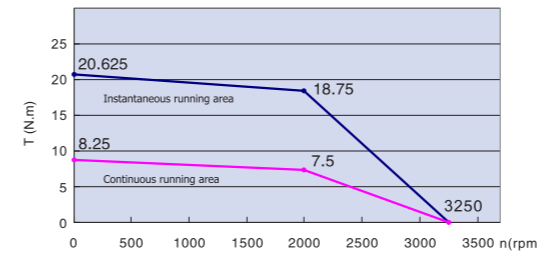
SMH130D-0105-20A□K-4HK□ 1.05KW



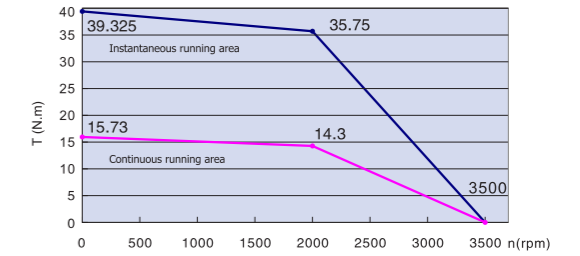
SMH150D-0230-20A□K-4HK□ 2.3KW



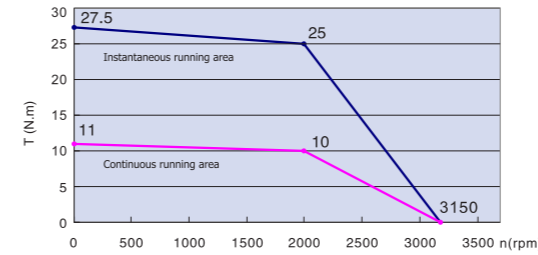
SMH130D-0157-20A□K-4HK□ 1.57KW



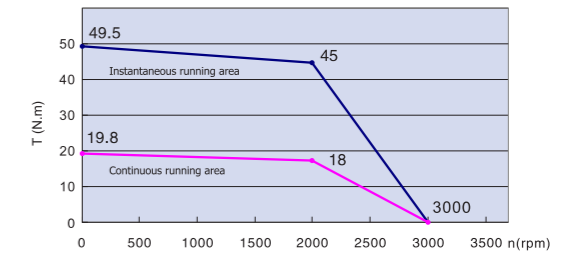
SMH150D-0300-20A□K-4HK□ 3KW



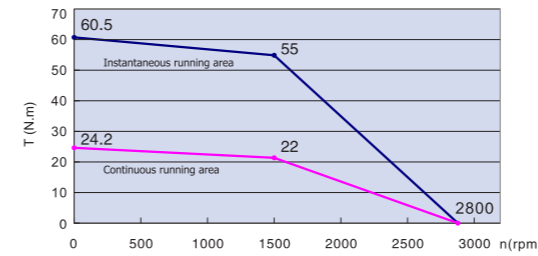
SMH130D-0210-20A□K-4HK□ 2.1KW



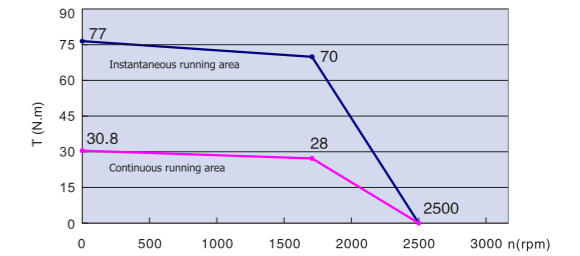
SMH150D-0380-20A□K-4HK□ 3.8KW



SMH180D-0350-15A□K-4HK□ 3.5KW

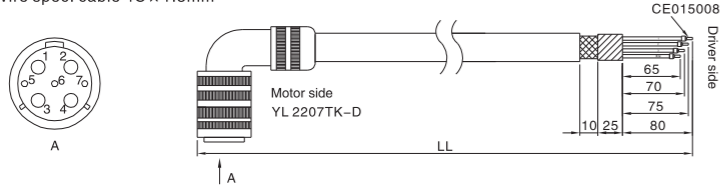


SMH180D-0440-15A□K-4HK□ 4.4KW



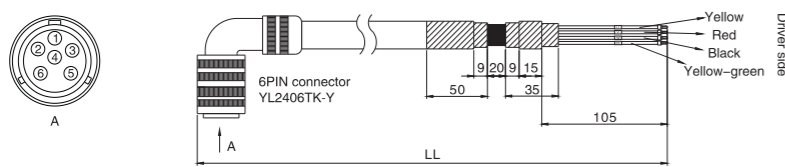
دیاگرام سیمبندی کابل قدرت

MOT-008-LL-KC1
Wire spec. cable 4C x 1.5mm²



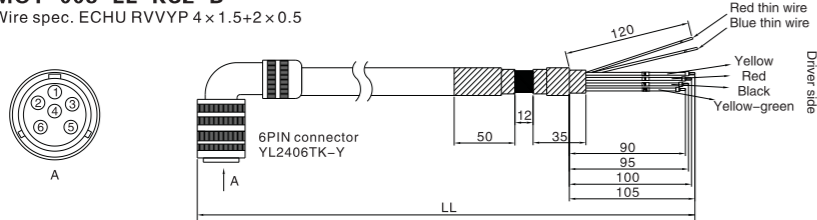
MOT-008-LL-KC1		
Cable Color	Signal	PIN #
1	U	PIN2
2	V	PIN3
3	W	PIN4
Yellow-green	PE	PIN1

MOT-008-LL-KC2
Power cable O-2395 4C x 1.5mm² (30/0.25B)



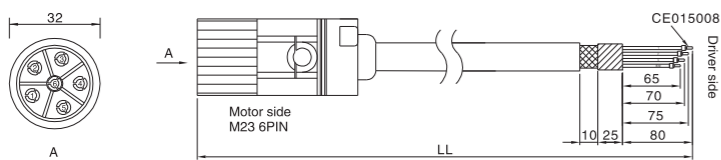
MOT-008-LL-KC2		
Cable Color	Signal	YL2406TK-Y
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	PIN4

MOT-008-LL-KC2-B
Wire spec. ECHU RVVYP 4 x 1.5+2 x 0.5



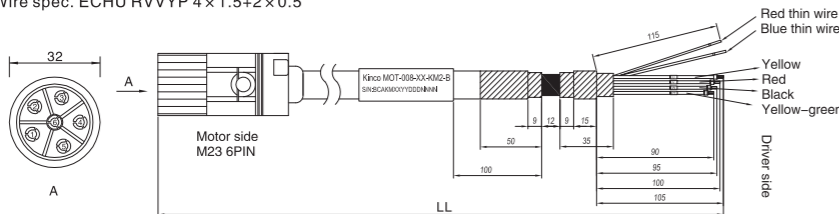
MOT-008-LL-KC2-B		
Cable Color	Signal	YL2406TK-Y
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	PIN4
Red(thin)	brake+	PIN5
Blue(thin)	brake-	PIN6
Shield terminal	Shield	metal ring

MOT-008-LL-KM2
Wire spec. cable 4C x 1.5mm²



MOT-008-LL-KM2		
Cable Color	Signal	PIN #
1	U	PIN1
2	V	PIN2
3	W	PIN4
Yellow-green	PE	PIN3

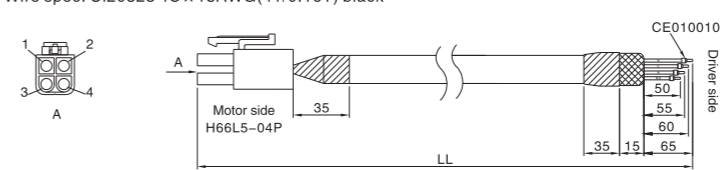
MOT-008-LL-KM2-B
Wire spec. ECHU RVVYP 4 x 1.5+2 x 0.5



MOT-008-LL-KM2-B		
Cable Color	Signal	M23 6PIN
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN4
Yellow-green	PE	PIN3
Shield terminal	Shield	metal ring
Red(thin)	brake+	PIN5
Blue(thin)	brake-	PIN6

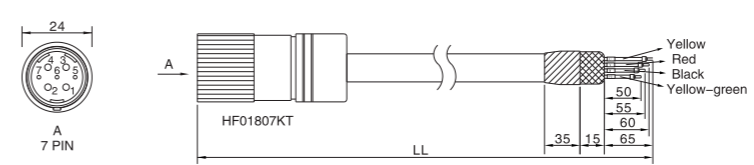
دیاگرام سیمبندی کابل قدرت

MOT-005-LL-KL
Wire spec. UI20328 4C x 18AWG(41/0.16T) black



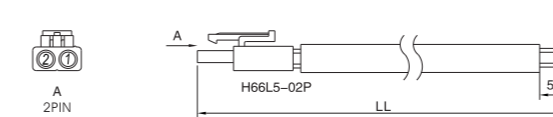
MOT-005-LL-KL		
Cable Color	Signal	PIN #
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	PIN4

MOT-005-LL-KC0
Wire spec. 4C x 18AWG(41/0.16T)



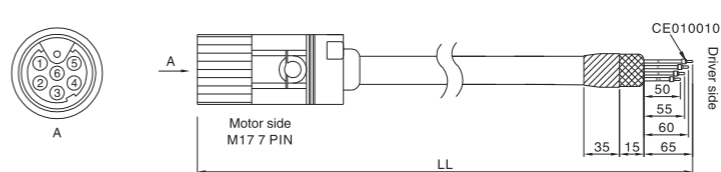
MOT-005-LL-KC0		
Cable color	Signal	Pin#
Yellow	U	PIN2
Red	V	PIN3
Black	W	PIN4
Yellow-green	PE	PIN1
metal ring	Shield	Shield cable

BRA-LL-KL
Wire spec. 2 x 20AWG



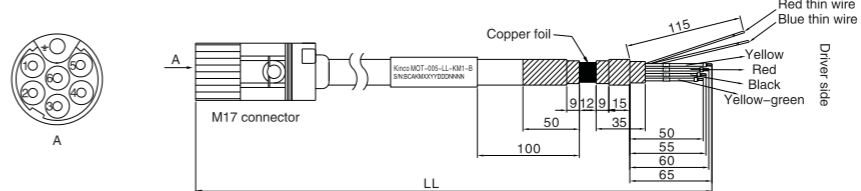
BRA-LL-KL		
Cable color	Signal	Pin#
Red	break+	PIN1
Blue	break-	PIN2

MOT-005-LL-KM1
Wire spec. UI20328 4C x 18AWG(41/0.16T) black



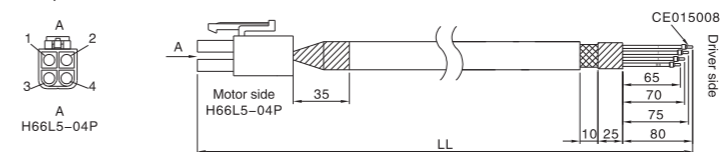
MOT-005-LL-KM1		
Cable Color	Signal	PIN #
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	⊥

MOT-005-LL-KM1-B
Wire spec. RVVYP 4 x 18AWG+2 x 20AWG



MOT-005-LL-KM1-B		
Cable Color	Signal	M17 7PIN
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	⊥
Shield terminal	shield	metal ring
Red(thin)	brake+	PIN4
Blue(thin)	brake-	PIN5

MOT-008-LL-KL
Wire spec. cable 4C x 1.5mm²

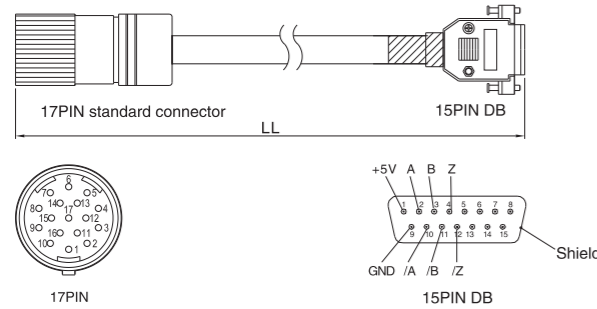


MOT-008-LL-KL		
Cable Color	Signal	PIN #
1	U	PIN1
2	V	PIN2
3	W	PIN3
Yellow-green	PE	PIN4

دیاگرام سیم بندی کابل انکودر

ENCCF-LL-FC0

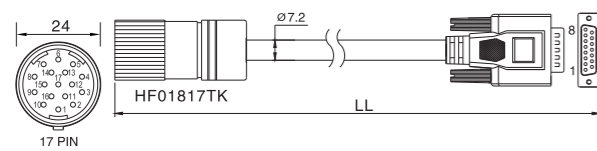
Wire spec. 1P x 24AWG(7/0.20T)+3P x 28AWG(7/0.127T)



17PIN standard connector	15PIN DB	Signal	External wire colour	Motor wire colour
PIN1	PIN1	+5V	Red(thick)	Red
PIN3	PIN2	A	Brown	Blue-black
PIN5	PIN3	B	Yellow	Green
PIN14	PIN4	Z	Green	Yellow
PIN2	PIN9	GND	Black(thick)	Black
PIN4	PIN10	/A	Brown-white	Blue
PIN6	PIN11	/B	Yellow-white	Green-black
PIN15	PIN12	/Z	Green-white	Yellow-black
Other pins empty	Other pins empty			
Metal coil	Shell	Shield	Shield	Shield

ENCCA-LL-KC0

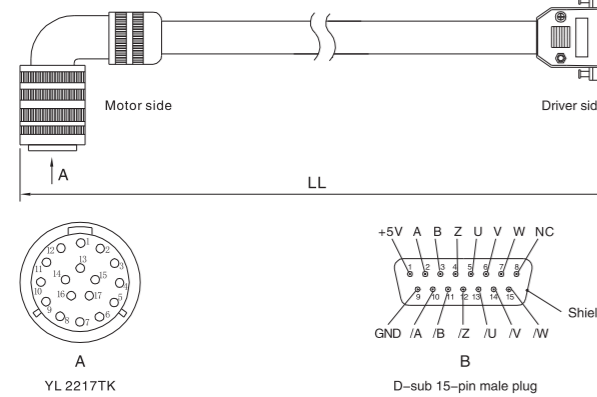
Wire spec. 1P x 24AWG(7/0.20T)+7P x 28AWG(7/0.127T)



17PIN	15PIN DB	Signal	External wire colour	Motor wire colour
PIN1	PIN1	+5V	Red(thick)	Red
PIN3	PIN2	A	Orange	Blue
PIN5	PIN3	B	Yellow	Green
PIN14	PIN4	Z	Green	Yellow
PIN9	PIN5	U	Brown	Brown
PIN11	PIN6	V	Purple	Gray
PIN16	PIN7	W	Blue	White
PIN2	PIN9	GND	Black(thick)	Black
PIN4	PIN10	/A	Orange-white	Blue-black
PIN6	PIN11	/B	Yellow-white	Green-black
PIN15	PIN12	/Z	Green-white	Yellow-black
PIN10	PIN13	/U	Brown-white	Brown-black
PIN12	PIN14	/V	Purple-white	Gray-black
PIN17	PIN15	/W	Blue-white	White-black
Internal metal ring	DB metal shell	Shield	Shield	Shield

ENCCA-LL-KC1

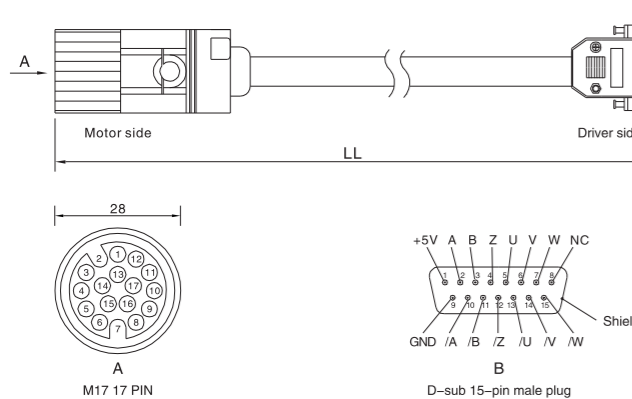
Wire spec. 1P x 24AWG(7/0.20T)+7P x 28AWG(7/0.127T)



17PIN	15PIN DB	Signal	External wire colour	Motor wire colour
PIN1	PIN1	+5V	Red(thick)	Red
PIN3	PIN2	A	Orange	Blue
PIN5	PIN3	B	Yellow	Green
PIN14	PIN4	Z	Green	Yellow
PIN9	PIN5	U	Brown	Brown
PIN11	PIN6	V	Purple	Gray
PIN16	PIN7	W	Blue	White
PIN2	PIN9	GND	Black(thick)	Black
PIN4	PIN10	/A	Orange-white	Blue-black
PIN6	PIN11	/B	Yellow-white	Green-black
PIN15	PIN12	/Z	Green-white	Yellow-black
PIN10	PIN13	/U	Brown-white	Brown-black
PIN12	PIN14	/V	Purple-white	Gray-black
PIN17	PIN15	/W	Blue-white	White-black
Internal metal ring	DB metal shell	Shield	Shield	Shield

ENCCA-LL-KM1

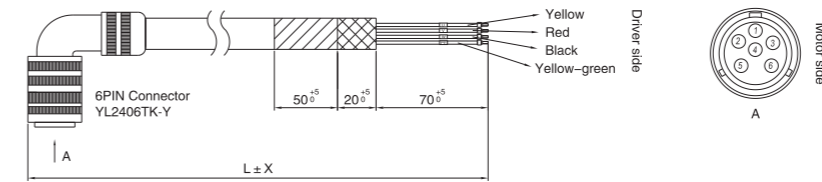
Wire spec. 1P x 24AWG(7/0.20T)+7P x 28AWG(7/0.127T)



دیاگرام سیم بندی کابل قدرت

MOT-015-LL-KC2

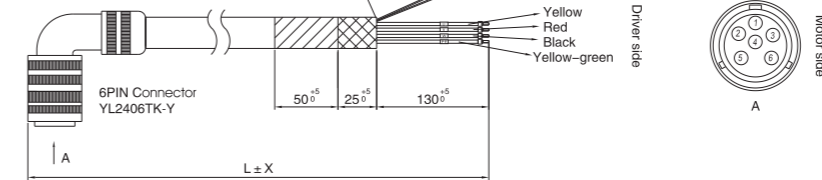
Power cable Cableplus UL2856 4 x 14AWG(50/0.25T)



Cable color	Signal	YL2406TK-Y
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	PIN4
Shield	Shield	Metal ring

MOT-015-LL-KC2-B

Power cable Cableplus UL2856 4 x 14AWG+2 x 0.5

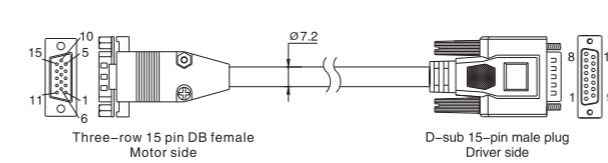


Cable color	Signal	YL2406TK-Y
Yellow	U	PIN1
Red	V	PIN2
Black	W	PIN3
Yellow-green	PE	PIN4
Red(thin)	brake+	PIN5
Blue(thin)	brake-	PIN6
Shield	Shield	Metal ring

دیاگرام سیم بندی کابل انکودر

ENCCA-LL-KH

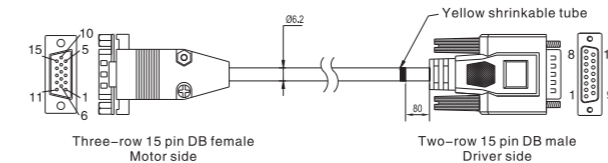
Wire spec. 1P x 24AWG(7/0.20T)+7P x 28AWG(7/0.127T)



Three-row 15 pin DB	Two-row 15 pin DB	Signal	External wire color	Motor wire color
PIN1	PIN1	+5V	Red(thick)	Red
PIN8	PIN2	A	Orange	Blue-black
PIN7	PIN3	B	Yellow	Green
PIN6	PIN4	Z	Green	Yellow
PIN4	PIN5	U	Brown	Brown-black
PIN10	PIN6	V	Purple	White-black
PIN9	PIN7	W	Blue	Gray-black
PIN2	PIN9	GND	Black(thick)	Black
PIN13	PIN10	/A	Orange-white	Blue
PIN12	PIN11	/B	Yellow-white	Green-black
PIN11	PIN12	/Z	Green-white	Yellow-black
PIN5	PIN13	/U	Brown-white	Brown
PIN15	PIN14	/V	Purple-white	White
PIN14	PIN15	/W	Blue-white	Gray
PIN3 empty	PIN8 empty			
Metal shell	DB metal shell	Shield	Shield	Metal shell

ENCCF-LL-FH

Wire spec. 1P x 24AWG(7/0.20T)+3P x 28AWG(7/0.127T)



Three-row 15 pin DB	Two-row 15 pin DB	Signal	Wire color	Motor wire color
PIN1	PIN1	+5V	Red(thick)	Red
PIN8	PIN2	A	Brown	Blue-black
PIN7	PIN3	B	Yellow	Green
PIN6	PIN4	Z	Green	Yellow
PIN2	PIN9	GND	Black(thick)	Black
PIN13	PIN10	/A	Brown-white	Blue
PIN12	PIN11	/B	Yellow-white	Green-black
PIN11	PIN12	/Z	Green-white	Yellow-black
Other pins empty	Other pins empty			
Shell	Shell	Shield	Shield	Shield