

4) Single phase 115V series

Item		Specifications			
Type (CUB#A-6J)		1	1A5	2A5	5
Nominal applied motor ^{*1} [HP]		1/8	1/4	1/2	1
Output ratings	Rated capacity ^{*2} [kVA]	0.27	0.55	0.99	1.6
	Rated voltage ^{*3} [V]	Three-phase, 200 to 240V			
	Rated current [A]	0.7	1.4	2.5	4.2
	Overload capability	150% of rated current for 1 min, 200% of rated current for 0.5s			
	Rated frequency	50, 60Hz			
Input ratings	Main power supply	Single-phase, 100 to 120V, 50/60Hz			
	Voltage/frequency variations	Voltage: +10 to -10% Frequency: +5 to -5%			
	Momentary voltage dip capability ^{*4}	When the input voltage is 85V or more, the inverter continues operation. If it drops below 85V, the inverter operates for 15ms.			
	Rated current ^{*9} (with DCR) [A]	2.2	3.8	6.4	12.0
		(without DCR)	3.6	5.9	9.5
	Required power supply ^{*5}	0.3	0.5	0.7	1.3
Braking	Torque ^{*6}	150		100	
	Torque ^{*7}	—		150	
	DC injection braking	Starting frequency: 0.0 to 60.0Hz, Braking time: 0.0 to 30.0s, Braking current: 0 to 100% of rated current			
Applicable safety standards		UL508C, C22.2 No.14			
Enclosure (IEC60529)		IP20			
Cooling method		Natural cooling			
Mass	[lbs(kg)]	1.3(0.6)	1.3(0.6)	1.5(0.7)	2.6(1.2)

Note 1:

*1) Standard 4-pole motor.

*2) The rated capacity is 230V output voltage for 115V series.

*3)The inverter cannot output voltage that is 2 or more times its rated voltage.

*4) Tested under the standard load condition specified by JEMA (85% load for nominal applied motor).

*5) Obtained when a DC reactor is used.

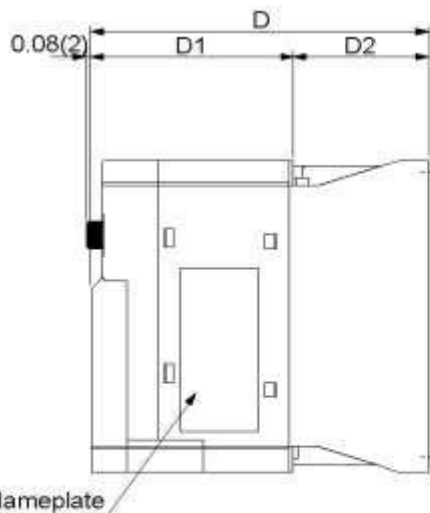
*6) Average braking torque obtained with AVR control OFF (Varies with the efficiency of the motor.)

*7) Average braking torque obtained by use of external braking resistor (standard type option) *9)

Calculated under IMO-specified conditions.

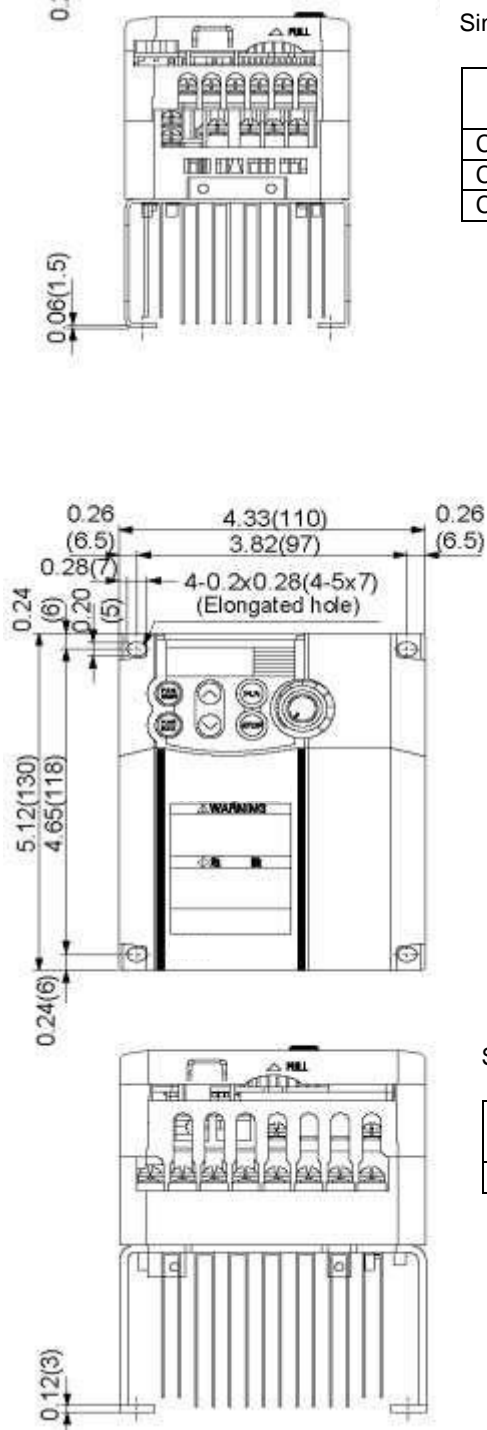
Note 2:

When driven by 100 VAC, the single-phase 115 V series of inverters limit their shaft output and maximum output torque as listed below. This is to prevent their output voltage from decreasing when load is applied.



Single Phase 115V

TYPE	Dimensions mm		
	D	D1	D2
CUB1A-6J	100	90	10
CUB1A5-6J	100	90	10
CUB2A5-6J	115	90	25



Single Phase 115V

TYPE	Dimensions mm		
	D	D1	D2
CUB5-6J	139	99	40