

ACER Group

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**INSTRUCTION FOR ADDING BRAKE RESISTANCE**

- A. The brake resistance adding
1. Please choose the resistance as following according to machine horse power and electrical power voltage:  
220V 3 HP 300W/70 Ohm  
440V 3 HP 300W/250 Ohm  
220V 5 HP 400W/40 Ohm  
440V 5 HP 400W/150 Ohm
  2. Connect the resistance to the terminal B1 and B2 as showing on the circuit diagram.
- B. Auto-Tuning reference data  
In the case you need do auto-tuning, use the following data as type 3hp/460V as reference:  
Rated Voltage (VAC) 460 V  
Rated Current (A) = 6.5 A  
Rated frequency (HZ) = 60 HZ  
Rated speed (RPM) = 1750 rpm  
Number of poles = 4  
Select Motor 14 = 1
- C. Change the constants setting on the controller
1. acceleration time1: C1-01 = 2.5 second
  2. deceleration time1: C1-02 = 2.5 second
  3. acceleration time4: C1-07 = 1.0 second
  4. deceleration time4: C1-08 = 1.0 second
  5. Acce/Dec time switching frequency: C1-11= 60 HZ
  6. Motor selection: E1-02 = 1
  7. Max. output frequency: E1-04 = 166.2 HZ.
  8. StallP CHP Lvl: L3-04 = 0

A1-01  
C3-03  
B2-02

Parameter Setting

C1-01 = 2.5	E1-01—230 or 460
C1-02 = 2.5	E1-04—166.2
C1-07 = 1.0	E1-05—230 or 460
C1-08 = 1.0	E1-08—25.3, or 12.6

C1-09 = 5.5  
d1-01 = 166.2

After Auto-Tuning  
Automatic setting →

E1-10	4.6 or 2.3
E1-13	
E1-01	E2-07
E1-02	
E1-03	
E2-05	E-2-08