

》》All Digital Controller

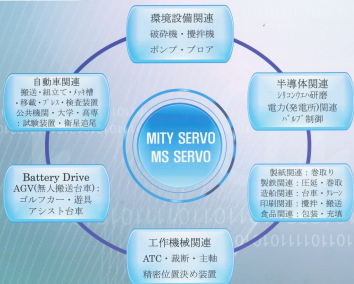
Induction Motor Servo System  
MITY SERVO • MS SERVO



## ➤ Induction Motor Controller



## ➤ Application



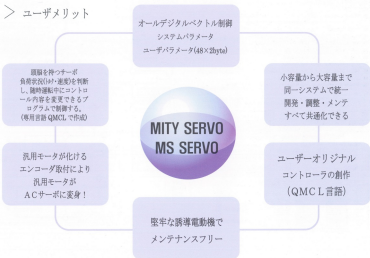


# MITY SERVO

## > ALL IN ONE



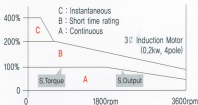
## > ユーザメリット



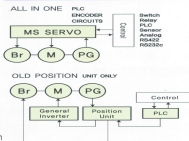
## ≫ MITY SERVO 特性

### > Torque 特性グラフ

Resolution : 0.3rpm (at 4pole Motor)  
Speed Control Range : [16000]



### > All in ONE Type



### > Motor 制御専用言語 / OMCL

| Columns        | Comment      | OMC (Quick Motion Control Language)      |
|----------------|--------------|--|
| 00             | F703408FFFFF | CALL 5490 : System Parameter             |
| 01             | 070000000000 | SERVO1 : Motor No.                       |
| 02             | 001000000000 | LDI D00K 03P 3F030 : User Para No. 0~999 |
| 03             | F10000000000 | JMP L00 : JMP                            |
| -10 0000000000 |              |  |

#### Comment List

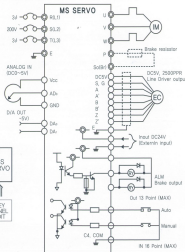
- Motor Control : SEVCC,SFT,H2P,VFB,MAXHZ,MINHZ : PLS,PLS2,PSCLPOS,PLSI, etc
- L/O Control : C4,C5,C0,C1, ADLAD1,DA0,DA1
- Branch : JMP,JEQ,JPL,JML,JSR,SRA
- Memory Move : POKE,PEEK,POKE,DFEAK
- Arithmetic : +, -, \*, /, X2, /2
- Logic : AND,OR,NOT
- 3Byte Memory : AA-AA,BA-BB
- 4Byte Memory : AA,AC,AE,BA,BC,BF
- Display : CALCR
- Machine Language Sub Routine : CALL ( 5490, 5464 )

#### PC/MicomEdit : OMCL2006 System Case



### > Multi Function is All in One

#### Standard Diagram(200V)



## Application of using product of MITY SERVO



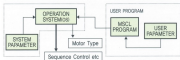
MITY  
SERVO

MS  
SERVO

- Cable Reeler
- Machining Center
- AUTO CRUSHER
- SERVO PRESS
- GOLF CAR
- AGV



### > MITY SERVO SOFTWARE



#### ■ Operating System

OS : C3S270, C3W6270, C3S620, C3W520, C3S580, C3W580  
 C : 1/1000Hz  
 3S : Single Encoder 3W : Double Encoder  
 270 : Version No. 520 : Version No. 580 : Version No.

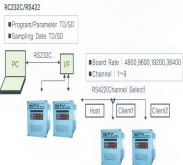
#### ■ User Program(ROMX3bank, RAM)

ROM : 1024 Lines RAM : 423 Lines

#### ■ Parameter

System Parameter : No.0~No.96  
 User Parameter : 4Byte(2byte Memory)

### > MITY SERVO SERIAL COMM.





# Outline Drawing or Dimensional Outline Drawing

## 200V > VEA series standard specification

| Model  | Size | W   | W1  | H   | H1  | D    | C |
|--------|------|-----|-----|-----|-----|------|---|
| VEA-01 | 132  | 117 | 190 | 122 | 151 | 4-φ6 |   |
| VEA-02 |      |     |     |     |     |      |   |
| VEA-04 |      |     |     |     |     |      |   |
| VEA-06 |      |     |     |     |     |      |   |
| VEA-05 | 156  | 141 | 234 | 148 | 165 | 4-φ6 |   |
| VEA-02 |      |     |     |     |     |      |   |
| VEA-07 |      |     |     |     |     |      |   |
| VEA-07 | 234  | 259 | 342 | 298 | 203 | 4-φ6 |   |

| Model                          | Size | W   | W1  | H   | H1  | D     | C |
|--------------------------------|------|-----|-----|-----|-----|-------|---|
| VEA-05                         | 257  | 150 | 451 | 425 | 250 | 4-φ10 |   |
| VEA-15                         |      |     |     |     |     |       |   |
| VEA-16                         |      |     |     |     |     |       |   |
| VEA-02                         | 330  | 240 | 631 | 603 | 299 | 4-φ10 |   |
| VEA-03                         |      |     |     |     |     |       |   |
| VEA-03                         |      |     |     |     |     |       |   |
| VEA-07                         |      |     |     |     |     |       |   |
| VEA-03                         | 431  | 330 | 761 | 730 | 299 | 4-φ10 |   |
| VEA-05                         |      |     |     |     |     |       |   |
| VEA-05                         |      |     |     |     |     |       |   |
| VEA-16                         |      |     |     |     |     |       |   |
| VEA-16                         |      |     |     |     |     |       |   |
| VEA-16                         |      |     |     |     |     |       |   |
| Please inquire of our company. |      |     |     |     |     |       |   |



## 400V > VEAH series standard specification

| Model  | Size | W   | W1   | H   | H1  | D     | C |
|--------|------|-----|------|-----|-----|-------|---|
| VEA-05 | 257  | 150 | 450  | 425 | 250 | 4-φ10 |   |
| VEA-15 |      |     |      |     |     |       |   |
| VEA-16 |      |     |      |     |     |       |   |
| VEA-03 | 330  | 240 | 631  | 603 | 299 | 4-φ10 |   |
| VEA-03 |      |     |      |     |     |       |   |
| VEA-03 |      |     |      |     |     |       |   |
| VEA-07 |      |     |      |     |     |       |   |
| VEA-03 | 431  | 330 | 761  | 730 | 299 | 4-φ10 |   |
| VEA-05 |      |     |      |     |     |       |   |
| VEA-05 |      |     |      |     |     |       |   |
| VEA-16 |      |     |      |     |     |       |   |
| VEA-16 |      |     |      |     |     |       |   |
| VEA-16 |      |     |      |     |     |       |   |
| VEA-05 | 530  | 390 | 960  | 925 | 375 | 4-φ14 |   |
| VEA-05 |      |     |      |     |     |       |   |
| VEA-05 |      |     |      |     |     |       |   |
| VEA-16 | 605  | 500 | 1005 | 975 | 375 | 6-φ12 |   |
| VEA-16 |      |     |      |     |     |       |   |

| Model    | Size | W   | W1   | H    | H1  | D     | C |
|----------|------|-----|------|------|-----|-------|---|
| VEAH-001 | 800  | 300 | 1336 | 1306 | 405 | 6-φ12 |   |
| VEAH-100 |      |     |      |      |     |       |   |
| VEAH-100 |      |     |      |      |     |       |   |
| VEAH-100 |      |     |      |      |     |       |   |



## 200V > MSB series special specification

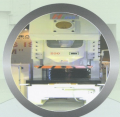
| Model  | Size | W  | W1  | H   | H1  | D    | C |
|--------|------|----|-----|-----|-----|------|---|
| MSB-01 | 104  | 94 | 180 | 88  | 170 | 4-φ6 |   |
| MSB-02 |      |    |     |     |     |      |   |
| MSB-04 |      |    |     |     |     |      |   |
| MSB-06 |      |    |     |     |     |      |   |
| MSB-05 | 104  | 94 | 221 | 129 | 170 | 4-φ6 |   |
| MSB-02 |      |    |     |     |     |      |   |



## 400V > MSBH series special specification

| Model   | Size | W  | W1  | H   | H1  | D    | C |
|---------|------|----|-----|-----|-----|------|---|
| MSBH-01 | 104  | 94 | 221 | 129 | 170 | 4-φ6 |   |
| MSBH-02 |      |    |     |     |     |      |   |
| MSBH-04 |      |    |     |     |     |      |   |
| MSBH-06 |      |    |     |     |     |      |   |
| MSBH-05 | 104  | 94 | 202 | 200 | 170 | 4-φ6 |   |
| MSBH-02 |      |    |     |     |     |      |   |

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