

## NOTICE AS series , DG series

### Pulse input package/Built-In controller (stored data) package

The driver is recognized under UL 508C based on the condition shown herein.

### Combinations of motors and drivers

#### ■ AS series

##### ● Single-phase 100-115 VAC input

□ : A, B or M

■ : E or blank

| Type                                | Pulse input package |               |              |
|-------------------------------------|---------------------|---------------|--------------|
|                                     | Package model       | Motor model   | Driver model |
| Standard type                       | AS46□A              | ASM46□A       | ASD13A-A     |
|                                     | AS66□A■             | ASM66□A■      | ASD24A-A     |
|                                     | AS69□A■             | ASM69□A■      | ASD30D-A     |
|                                     | AS98□A■             | ASM98□A■      | ASD30A-A     |
|                                     | AS911AA■            | ASM911AA■     | ASD30E-A     |
| Standard type metal connector motor | AS66AAT             | ASM66AAT      | ASD24A-A     |
|                                     | AS69AAT             | ASM69AAT      | ASD30D-A     |
|                                     | AS98AAT             | ASM98AAT      | ASD30A-A     |
|                                     | AS911AAT            | ASM911AAT     | ASD30E-A     |
| TH geared type                      | AS46□A-T3.6         | ASM46□A-T3.6  | ASD13B-A     |
|                                     | AS46□A-T7.2         | ASM46□A-T7.2  |              |
|                                     | AS46□A-T10          | ASM46□A-T10   |              |
|                                     | AS46□A-T20          | ASM46□A-T20   | ASD13C-A     |
|                                     | AS46□A-T30          | ASM46□A-T30   |              |
|                                     | AS66□A■-T3.6        | ASM66□A■-T3.6 | ASD24B-A     |
|                                     | AS66□A■-T7.2        | ASM66□A■-T7.2 |              |
|                                     | AS66□A■-T10         | ASM66□A■-T10  |              |
|                                     | AS66□A■-T20         | ASM66□A■-T20  | ASD24C-A     |
|                                     | AS66□A■-T30         | ASM66□A■-T30  |              |
|                                     | AS98□A■-T3.6        | ASM98□A■-T3.6 | ASD30A-A     |
|                                     | AS98□A■-T7.2        | ASM98□A■-T7.2 |              |
|                                     | AS98□A■-T10         | ASM98□A■-T10  |              |
|                                     | AS98□A■-T20         | ASM98□A■-T20  | ASD30C-A     |
|                                     | AS98□A■-T30         | ASM98□A■-T30  |              |
| PL geared type                      | AS46□A-P7.2         | ASM46□A-P7.2  | ASD13A-A     |
|                                     | AS46□A-P10          | ASM46□A-P10   |              |
|                                     | AS46□A-P36          | ASM46□A-P36   |              |
|                                     | AS46□A-P50          | ASM46□A-P50   | ASD13C-A     |
|                                     | AS66□A■-P5          | ASM66□A■-P5   |              |
|                                     | AS66□A■-P7.2        | ASM66□A■-P7.2 | ASD24A-A     |
|                                     | AS66□A■-P10         | ASM66□A■-P10  |              |
|                                     | AS66□A■-P25         | ASM66□A■-P25  |              |
|                                     | AS66□A■-P36         | ASM66□A■-P36  | ASD24C-A     |
|                                     | AS66□A■-P50         | ASM66□A■-P50  |              |
|                                     | AS98□A■-P5          | ASM98□A■-P5   | ASD30A-A     |
|                                     | AS98□A■-P7.2        | ASM98□A■-P7.2 |              |
|                                     | AS98□A■-P10         | ASM98□A■-P10  |              |
|                                     | AS98□A■-P25         | ASM98□A■-P25  | ASD30B-A     |
|                                     | AS98□A■-P36         | ASM98□A■-P36  |              |
|                                     | AS98□A■-P50         | ASM98□A■-P50  |              |
| PN geared type                      | AS46□A-N7.2         | ASM46□A-N7.2  | ASD13A-A     |
|                                     | AS46□A-N10          | ASM46□A-N10   |              |
|                                     | AS66□A■-N5          | ASM66□A■-N5   | ASD24A-A     |
|                                     | AS66□A■-N7.2        | ASM66□A■-N7.2 |              |
|                                     | AS66□A■-N10         | ASM66□A■-N10  |              |
|                                     | AS66□A■-N25         | ASM66□A■-N25  | ASD24B-A     |
|                                     | AS66□A■-N36         | ASM66□A■-N36  |              |
|                                     | AS66□A■-N50         | ASM66□A■-N50  | ASD24C-A     |
|                                     | AS98□A■-N5          | ASM98□A■-N5   |              |
|                                     | AS98□A■-N7.2        | ASM98□A■-N7.2 | ASD30A-A     |
|                                     | AS98□A■-N10         | ASM98□A■-N10  |              |
|                                     | AS98□A■-N25         | ASM98□A■-N25  |              |
|                                     | AS98□A■-N36         | ASM98□A■-N36  | ASD30B-A     |
|                                     | AS98□A■-N50         | ASM98□A■-N50  |              |

| Type                                | Built-In controller (stored data) package |               |              |
|-------------------------------------|-------------------------------------------|---------------|--------------|
|                                     | Package model                             | Motor model   | Driver model |
| Standard type                       | AS46□AD                                   | ASM46□A       | ASD13A-AD    |
|                                     | AS66□A■D                                  | ASM66□A■      | ASD24A-AD    |
|                                     | AS69□A■D                                  | ASM69□A■      | ASD30D-AD    |
|                                     | AS98□A■D                                  | ASM98□A■      | ASD30A-AD    |
|                                     | AS911AA■D                                 | ASM911AA■     | ASD30E-AD    |
| Standard type metal connector motor | -                                         | -             | -            |
|                                     | -                                         | -             | -            |
|                                     | -                                         | -             | -            |
|                                     | -                                         | -             | -            |
| TH geared type                      | AS46□AD-T3.6                              | ASM46□A-T3.6  | ASD13B-AD    |
|                                     | AS46□AD-T7.2                              | ASM46□A-T7.2  |              |
|                                     | AS46□AD-T10                               | ASM46□A-T10   |              |
|                                     | AS46□AD-T20                               | ASM46□A-T20   | ASD13C-AD    |
|                                     | AS46□AD-T30                               | ASM46□A-T30   |              |
|                                     | AS66□A■D-T3.6                             | ASM66□A■-T3.6 | ASD24B-AD    |
|                                     | AS66□A■D-T7.2                             | ASM66□A■-T7.2 |              |
|                                     | AS66□A■D-T10                              | ASM66□A■-T10  |              |
|                                     | AS66□A■D-T20                              | ASM66□A■-T20  | ASD24C-AD    |
|                                     | AS66□A■D-T30                              | ASM66□A■-T30  |              |
|                                     | AS98□A■D-T3.6                             | ASM98□A■-T3.6 | ASD30A-AD    |
|                                     | AS98□A■D-T7.2                             | ASM98□A■-T7.2 |              |
|                                     | AS98□A■D-T10                              | ASM98□A■-T10  |              |
|                                     | AS98□A■D-T20                              | ASM98□A■-T20  | ASD30C-AD    |
|                                     | AS98□A■D-T30                              | ASM98□A■-T30  |              |
| PL geared type                      | AS46□AD-P7.2                              | ASM46□A-P7.2  | ASD13A-AD    |
|                                     | AS46□AD-P10                               | ASM46□A-P10   |              |
|                                     | AS46□AD-P36                               | ASM46□A-P36   |              |
|                                     | AS46□AD-P50                               | ASM46□A-P50   | ASD13C-AD    |
|                                     | AS66□A■D-P5                               | ASM66□A■-P5   |              |
|                                     | AS66□A■D-P7.2                             | ASM66□A■-P7.2 | ASD24A-AD    |
|                                     | AS66□A■D-P10                              | ASM66□A■-P10  |              |
|                                     | AS66□A■D-P25                              | ASM66□A■-P25  |              |
|                                     | AS66□A■D-P36                              | ASM66□A■-P36  | ASD24C-AD    |
|                                     | AS66□A■D-P50                              | ASM66□A■-P50  |              |
|                                     | AS98□A■D-P5                               | ASM98□A■-P5   | ASD30A-AD    |
|                                     | AS98□A■D-P7.2                             | ASM98□A■-P7.2 |              |
|                                     | AS98□A■D-P10                              | ASM98□A■-P10  |              |
|                                     | AS98□A■D-P25                              | ASM98□A■-P25  | ASD30B-AD    |
|                                     | AS98□A■D-P36                              | ASM98□A■-P36  |              |
|                                     | AS98□A■D-P50                              | ASM98□A■-P50  |              |
| PN geared type                      | AS46□AD-N7.2                              | ASM46□A-N7.2  | ASD13A-AD    |
|                                     | AS46□AD-N10                               | ASM46□A-N10   |              |
|                                     | AS66□A■D-N5                               | ASM66□A■-N5   | ASD24A-AD    |
|                                     | AS66□A■D-N7.2                             | ASM66□A■-N7.2 |              |
|                                     | AS66□A■D-N10                              | ASM66□A■-N10  |              |
|                                     | AS66□A■D-N25                              | ASM66□A■-N25  | ASD24B-AD    |
|                                     | AS66□A■D-N36                              | ASM66□A■-N36  |              |
|                                     | AS66□A■D-N50                              | ASM66□A■-N50  | ASD24C-AD    |
|                                     | AS98□A■D-N5                               | ASM98□A■-N5   |              |
|                                     | AS98□A■D-N7.2                             | ASM98□A■-N7.2 | ASD30A-AD    |
|                                     | AS98□A■D-N10                              | ASM98□A■-N10  |              |
|                                     | AS98□A■D-N25                              | ASM98□A■-N25  |              |
|                                     | AS98□A■D-N36                              | ASM98□A■-N36  | ASD30B-AD    |
|                                     | AS98□A■D-N50                              | ASM98□A■-N50  |              |

## ■ AS series

### • Single-phase 100-115 VAC input

□ : A, B or M

■ : E or blank

| Type                 | Pulse input package |               |              |
|----------------------|---------------------|---------------|--------------|
|                      | Package model       | Motor model   | Driver model |
| Harmonic geared type | AS46□A2-H50         | ASM46□A2-H50  | ASD13A-A     |
|                      | AS46□A2-H100        | ASM46□A2-H100 |              |
|                      | AS46□A-H50          | ASM46□A-H50   |              |
|                      | AS46□A-H100         | ASM46□A-H100  | ASD13C-A     |
|                      | AS66□A2-H50         | ASM66□A2-H50  |              |
|                      | AS66□A2-H100        | ASM66□A2-H100 |              |
|                      | AS66□AE-H50         | ASM66□AE-H50  | ASD24B-A     |
|                      | AS66□AE-H100        | ASM66□AE-H100 |              |
|                      | AS66□A-H50          | ASM66□A-H50   |              |
|                      | AS66□A-H100         | ASM66□A-H100  | ASD24C-A     |
|                      | AS98□A■-H50         | ASM98□A■-H50  |              |
|                      | AS98□A■-H100        | ASM98□A■-H100 |              |

| Type                 | Built-In controller (stored data) package |               |              |
|----------------------|-------------------------------------------|---------------|--------------|
|                      | Package model                             | Motor model   | Driver model |
| Harmonic geared type | AS46□AD2-H50                              | ASM46□A2-H50  | ASD13A-AD    |
|                      | AS46□AD2-H100                             | ASM46□A2-H100 |              |
|                      | AS46□AD-H50                               | ASM46□A-H50   |              |
|                      | AS46□AD-H100                              | ASM46□A-H100  | ASD13C-AD    |
|                      | AS66□AD2-H50                              | ASM66□A2-H50  |              |
|                      | AS66□AD2-H100                             | ASM66□A2-H100 |              |
|                      | AS66□AED-H50                              | ASM66□AE-H50  | ASD24B-AD    |
|                      | AS66□AED-H100                             | ASM66□AE-H100 |              |
|                      | AS66□AD-H50                               | ASM66□A-H50   |              |
|                      | AS66□AD-H100                              | ASM66□A-H100  | ASD24C-AD    |
|                      | AS98□A■D-H50                              | ASM98□A■-H50  |              |
|                      | AS98□A■D-H100                             | ASM98□A■-H100 |              |

## ■ AS series

### • Single-phase 200-230 VAC input

□ : A, B or M

■ : E or blank

| Type                                | Pulse input package |               |              |
|-------------------------------------|---------------------|---------------|--------------|
|                                     | Package model       | Motor model   | Driver model |
| Standard type                       | AS66□C■             | ASM66□C■      | ASD12A-C     |
|                                     | AS69□C■             | ASM69□C■      | ASD16D-C     |
|                                     | AS98□C■             | ASM98□C■      | ASD16A-C     |
|                                     | AS911AC■            | ASM911AC■     | ASD20A-C     |
| Standard type metal connector motor | AS66ACT             | ASM66ACT      | ASD12A-C     |
|                                     | AS69ACT             | ASM69ACT      | ASD16D-C     |
|                                     | AS98ACT             | ASM98ACT      | ASD16A-C     |
|                                     | AS911ACT            | ASM911ACT     | ASD20A-C     |
| TH geared type                      | AS66□C■-T3.6        | ASM66□C■-T3.6 | ASD12B-C     |
|                                     | AS66□C■-T7.2        | ASM66□C■-T7.2 |              |
|                                     | AS66□C■-T10         | ASM66□C■-T10  |              |
|                                     | AS66□C■-T20         | ASM66□C■-T20  | ASD12C-C     |
|                                     | AS66□C■-T30         | ASM66□C■-T30  |              |
|                                     | AS98□C■-T3.6        | ASM98□C■-T3.6 |              |
|                                     | AS98□C■-T7.2        | ASM98□C■-T7.2 | ASD16A-C     |
|                                     | AS98□C■-T10         | ASM98□C■-T10  |              |
|                                     | AS98□C■-T20         | ASM98□C■-T20  |              |
|                                     | AS98□C■-T30         | ASM98□C■-T30  | ASD16C-C     |
| PL geared type                      | AS66□C■-P5          | ASM66□C■-P5   | ASD12A-C     |
|                                     | AS66□C■-P7.2        | ASM66□C■-P7.2 |              |
|                                     | AS66□C■-P10         | ASM66□C■-P10  |              |
|                                     | AS66□C■-P25         | ASM66□C■-P25  | ASD12B-C     |
|                                     | AS66□C■-P36         | ASM66□C■-P36  |              |
|                                     | AS66□C■-P50         | ASM66□C■-P50  |              |
|                                     | AS98□C■-P5          | ASM98□C■-P5   | ASD12C-C     |
|                                     | AS98□C■-P7.2        | ASM98□C■-P7.2 |              |
|                                     | AS98□C■-P10         | ASM98□C■-P10  |              |
|                                     | AS98□C■-P25         | ASM98□C■-P25  | ASD16A-C     |
| PN geared type                      | AS66□C■-N5          | ASM66□C■-N5   |              |
|                                     | AS66□C■-N7.2        | ASM66□C■-N7.2 |              |
|                                     | AS66□C■-N10         | ASM66□C■-N10  |              |
|                                     | AS66□C■-N25         | ASM66□C■-N25  | ASD12B-C     |
|                                     | AS66□C■-N36         | ASM66□C■-N36  |              |
|                                     | AS66□C■-N50         | ASM66□C■-N50  |              |
|                                     | AS98□C■-N5          | ASM98□C■-N5   | ASD12C-C     |
|                                     | AS98□C■-N7.2        | ASM98□C■-N7.2 |              |
|                                     | AS98□C■-N10         | ASM98□C■-N10  |              |
|                                     | AS98□C■-N25         | ASM98□C■-N25  | ASD16A-C     |
| PL geared type                      | AS98□C■-N36         | ASM98□C■-N36  |              |
|                                     | AS98□C■-N50         | ASM98□C■-N50  |              |
|                                     | AS66□C■-P5          | ASM66□C■-P5   | ASD16B-C     |
|                                     | AS66□C■-P7.2        | ASM66□C■-P7.2 |              |
|                                     | AS66□C■-P10         | ASM66□C■-P10  |              |
|                                     | AS66□C■-P25         | ASM66□C■-P25  | ASD12A-CD    |
|                                     | AS66□C■-P36         | ASM66□C■-P36  |              |
|                                     | AS66□C■-P50         | ASM66□C■-P50  |              |
|                                     | AS98□C■-P5          | ASM98□C■-P5   | ASD12B-CD    |
|                                     | AS98□C■-P7.2        | ASM98□C■-P7.2 |              |
|                                     | AS98□C■-P10         | ASM98□C■-P10  |              |
| PN geared type                      | AS98□C■-P25         | ASM98□C■-P25  | ASD12C-CD    |
|                                     | AS98□C■-P36         | ASM98□C■-P36  |              |
|                                     | AS98□C■-P50         | ASM98□C■-P50  |              |
|                                     | AS66□C■-N5          | ASM66□C■-N5   | ASD16A-CD    |
|                                     | AS66□C■-N7.2        | ASM66□C■-N7.2 |              |
|                                     | AS66□C■-N10         | ASM66□C■-N10  |              |
|                                     | AS66□C■-N25         | ASM66□C■-N25  | ASD16B-CD    |
|                                     | AS66□C■-N36         | ASM66□C■-N36  |              |
|                                     | AS66□C■-N50         | ASM66□C■-N50  |              |
|                                     | AS98□C■-N5          | ASM98□C■-N5   | ASD12A-CD    |
|                                     | AS98□C■-N7.2        | ASM98□C■-N7.2 |              |
|                                     | AS98□C■-N10         | ASM98□C■-N10  |              |
| PL geared type                      | AS98□C■-N25         | ASM98□C■-N25  | ASD12B-CD    |
|                                     | AS98□C■-N36         | ASM98□C■-N36  |              |
|                                     | AS98□C■-N50         | ASM98□C■-N50  |              |
|                                     | AS66□C■-P5          | ASM66□C■-P5   | ASD12C-CD    |
|                                     | AS66□C■-P7.2        | ASM66□C■-P7.2 |              |
|                                     | AS66□C■-P10         | ASM66□C■-P10  |              |
|                                     | AS66□C■-P25         | ASM66□C■-P25  | ASD16A-CD    |
|                                     | AS66□C■-P36         | ASM66□C■-P36  |              |
|                                     | AS66□C■-P50         | ASM66□C■-P50  |              |
|                                     | AS98□C■-P5          | ASM98□C■-P5   | ASD16B-CD    |
|                                     | AS98□C■-P7.2        | ASM98□C■-P7.2 |              |
|                                     | AS98□C■-P10         | ASM98□C■-P10  |              |
| PN geared type                      | AS98□C■-P25         | ASM98□C■-P25  | ASD12A-CD    |
|                                     | AS98□C■-P36         | ASM98□C■-P36  |              |
|                                     | AS98□C■-P50         | ASM98□C■-P50  |              |
|                                     | AS66□C■-N5          | ASM66□C■-N5   | ASD12B-CD    |
|                                     | AS66□C■-N7.2        | ASM66□C■-N7.2 |              |
|                                     | AS66□C■-N10         | ASM66□C■-N10  |              |
|                                     | AS66□C■-N25         | ASM66□C■-N25  | ASD12C-CD    |
|                                     | AS66□C■-N36         | ASM66□C■-N36  |              |
|                                     | AS66□C■-N50         | ASM66□C■-N50  |              |
|                                     | AS98□C■-N5          | ASM98□C■-N5   | ASD16A-CD    |
|                                     | AS98□C■-N7.2        | ASM98□C■-N7.2 |              |
|                                     | AS98□C■-N10         | ASM98□C■-N10  |              |
| PL geared type                      | AS98□C■-N25         | ASM98□C■-N25  | ASD16B-CD    |
|                                     | AS98□C■-N36         | ASM98□C■-N36  |              |
|                                     | AS98□C■-N50         | ASM98□C■-N50  |              |
|                                     | AS66□C■-P5          | ASM66□C■-P5   | ASD12A-CD    |
|                                     | AS66□C■-P7.2        | ASM66□C■-P7.2 |              |
|                                     | AS66□C■-P10         | ASM66□C■-P10  |              |
|                                     | AS66□C■-P25         | ASM66□C■-P25  | ASD12B-CD    |
|                                     | AS66□C■-P36         | ASM66□C■-P36  |              |
|                                     | AS66□C■-P50         | ASM66□C■-P50  |              |
|                                     | AS98□C■-P5          | ASM98□C■-P5   | ASD12C-CD    |
|                                     | AS98□C■-P7.2        | ASM98□C■-P7.2 |              |
|                                     | AS98□C■-P10         | ASM98□C■-P10  |              |
| PN geared type                      | AS98□C■-P25         | ASM98□C■-P25  | ASD16A-CD    |
|                                     | AS98□C■-P36         | ASM98□C■-P36  |              |
|                                     | AS98□C■-P50         | ASM98□C■-P50  |              |
|                                     | AS66□C■-N5          | ASM66□C■-N5   | ASD16B-CD    |
|                                     | AS66□C■-N7.2        | ASM66□C■-N7.2 |              |
|                                     | AS66□C■-N10         | ASM66□C■-N10  |              |
|                                     | AS66□C■-N25         | ASM66□C■-N25  | ASD12A-CD    |
|                                     | AS66□C■-N36         | ASM66□C■-N36  |              |
|                                     | AS66□C■-N50         | ASM66□C■-N50  |              |
|                                     | AS98□C■-N5          | ASM98□C■-N5   | ASD12B-CD    |
|                                     | AS98□C■-N7.2        | ASM98□C■-N7.2 |              |
|                                     | AS98□C■-N10         | ASM98□C■-N10  |              |
| PL geared type                      | AS98□C■-N25         | ASM98□C■-N25  | ASD12C-CD    |
|                                     | AS98□C■-N36         | ASM98□C■-N36  |              |
|                                     | AS98□C■-N50         | ASM98□C■-N50  |              |
|                                     | AS66□C■-P5          | ASM66□C■-P5   | ASD16A-CD    |
|                                     | AS66□C■-P7.2        | ASM66□C■-P7.2 |              |
|                                     | AS66□C■-P10         | ASM66□C■-P10  |              |
|                                     | AS66□C■-P25         | ASM66□C■-P25  | ASD16B-CD    |
|                                     | AS66□C■-P36         | ASM66□C■-P36  |              |
|                                     | AS66□C■-P50         | ASM66□C■-P50  |              |
|                                     | AS98□C■-P5          | ASM98□C■-P5   | ASD12A-CD    |
|                                     | AS98□C■-P7.2        | ASM98□C■-P7.2 |              |
|                                     | AS98□C■-P10         | ASM98□C■-P10  |              |
| PN geared type                      | AS98□C■-P25         | ASM98□C■-P25  | ASD12B-CD    |
|                                     | AS98□C■-P36         | ASM98□C■-P36  |              |
|                                     | AS98□C■-P50         | ASM98□C■-P50  |              |
|                                     | AS66□C■-N5          | ASM66□C■-N5   | ASD12C-CD    |
|                                     | AS66□C■-N7.2        | ASM66□C■-N7.2 |              |
|                                     | AS66□C■-N10         | ASM66□C■-N10  |              |
|                                     | AS66□C■-N25         | ASM66□C■-N25  | ASD16A-CD    |
|                                     | AS66□C■-N36         | ASM66□C■-N36  |              |
|                                     | AS66□C■-N50         | ASM66□C■-N50  |              |
|                                     | AS98□C■-N5          | ASM98□C■-N5   | ASD16B-CD    |
|                                     | AS98□C■-N7.2        | ASM98□C■-N7.2 |              |
|                                     | AS98□C■-N10         | ASM98□C■-N10  |              |

| Type                                | Built-In controller (stored data) package |               |              |
|-------------------------------------|-------------------------------------------|---------------|--------------|
|                                     | Package model                             | Motor model   | Driver model |
| Standard type                       | AS66□C■D                                  | ASM66□C■      | ASD12A-CD    |
|                                     | AS69□C■D                                  | ASM69□C■      | ASD16D-CD    |
|                                     | AS98□C■D                                  | ASM98□C■      | ASD16A-CD    |
|                                     | AS911AC■D                                 | ASM911AC■     | ASD20A-CD    |
| Standard type metal connector motor | —                                         | —             | —            |
|                                     | —                                         | —             | —            |
|                                     | —                                         | —             | —            |
|                                     | —                                         | —             | —            |
| TH geared type                      | AS66□C■D-T3.6                             | ASM66□C■-T3.6 | ASD12B-CD    |
|                                     | AS66□C■D-T7.2                             | ASM66□C■-T7.2 |              |
|                                     | AS66□C■D-T10                              | ASM66□C■-T10  |              |
|                                     | AS66□C■D-T20                              | ASM66□C■-T20  | ASD12C-CD    |
|                                     | AS66□C■D-T30                              | ASM66□C■-T30  |              |
|                                     | AS98□C■D-T3.6                             | ASM98□C■-T3.6 |              |
|                                     | AS98□C■D-T7.2                             | ASM98□C■-T7.2 | ASD16A-CD    |
|                                     | AS98□C■D-T10                              | ASM98□C■-T10  |              |
|                                     | AS98□C■D-T20                              | ASM98□C■-T20  |              |
| AS98□C■D-T30                        | ASM98□C■-T30                              | ASD16C-CD     |              |
| PL geared type                      | AS66□C■D-P5                               | ASM66□C■-P5   | ASD12A-CD    |
|                                     | AS66□C■D-P7.2                             | ASM66□C■-P7.2 |              |
|                                     | AS66□C■D-P10                              | ASM66□C■-P10  |              |
|                                     | AS66□C■D-P25                              | ASM66□C■-P25  | ASD12B-CD    |
|                                     | AS66□C■D-P36                              | ASM66□C■-P36  | ASD12C-CD    |
|                                     | AS66□C■D-P50                              | ASM66□C■-P50  |              |
|                                     | AS98□C■D-P5                               | ASM98□C■-P5   |              |
|                                     | AS98□C■D-P7.2                             | ASM98□C■-P7.2 | ASD16A-CD    |
|                                     | AS98□C■D-P10                              | ASM98□C■-P10  |              |
|                                     | AS98□C■D-P25                              | ASM98□C■-P25  |              |
| AS98□C■D-P36                        | ASM98□C■-P36                              | ASD16B-CD     |              |
| AS98□C■D-P50                        | ASM98□C■-P50                              |               |              |
| PN geared type                      | AS66□C■D-N5                               | ASM66□C■-N5   | ASD12A-CD    |
|                                     | AS66□C■D-N7.2                             | ASM66□C■-N7.2 |              |
|                                     | AS66□C■D-N10                              | ASM66□C■-N10  |              |
|                                     | AS66□C■D-N25                              | ASM66□C■-N25  | ASD12B-CD    |
|                                     | AS66□C■D-N36                              | ASM66□C■-N36  | ASD12C-CD    |
|                                     | AS66□C■D-N50                              | ASM66□C■-N50  |              |
|                                     | AS98□C■D-N5                               | ASM98□C■-N5   |              |
|                                     | AS98□C■D-N7.2                             | ASM98□C■-N7.2 | ASD16A-CD    |
|                                     | AS98□C■D-N10                              | ASM98□C■-N10  |              |
|                                     | AS98□C■D-N25                              | ASM98□C■-N25  |              |
| AS98□C■D-N36                        | ASM98□C■-N36                              | ASD16B-CD     |              |
| AS98□C■D-N50                        | ASM98□C■-N50                              |               |              |

## ■ AS series

### • Single-phase 200-230 VAC input

□ : A, B or M

■ : E or blank

| Type                 | Pulse input package |               |              |
|----------------------|---------------------|---------------|--------------|
|                      | Package model       | Motor model   | Driver model |
| Harmonic geared type | AS66□C2-H50         | ASM66□C2-H50  | ASD12B-C     |
|                      | AS66□C2-H100        | ASM66□C2-H100 | ASD12C-C     |
|                      | AS66□CE-H50         | ASM66□CE-H50  | ASD12B-C     |
|                      | AS66□CE-H100        | ASM66□CE-H100 | ASD12C-C     |
|                      | AS66□C-H50          | ASM66□C-H50   |              |
|                      | AS66□C-H100         | ASM66□C-H100  | ASD16B-C     |
|                      | AS98□C■-H50         | ASM98□C■-H50  |              |
|                      | AS98□C■-H100        | ASM98□C■-H100 |              |

| Type                 | Built-In controller (stored data) package |               |              |
|----------------------|-------------------------------------------|---------------|--------------|
|                      | Package model                             | Motor model   | Driver model |
| Harmonic geared type | AS66□CD2-H50                              | ASM66□C2-H50  | ASD12B-CD    |
|                      | AS66□CD2-H100                             | ASM66□C2-H100 | ASD12C-CD    |
|                      | AS66□CED-H50                              | ASM66□CE-H50  | ASD12B-CD    |
|                      | AS66□CED-H100                             | ASM66□CE-H100 | ASD12C-CD    |
|                      | AS66□CD-H50                               | ASM66□C-H50   |              |
|                      | AS66□CD-H100                              | ASM66□C-H100  | ASD16B-CD    |
|                      | AS98□C■D-H50                              | ASM98□C■-H50  |              |
|                      | AS98□C■D-H100                             | ASM98□C■-H100 |              |

## ■ AS series

### • Three-phase 200-230 VAC input

□ : A, B or M

■ : E or blank

| Type                                | Pulse input package |               |              |
|-------------------------------------|---------------------|---------------|--------------|
|                                     | Package model       | Motor model   | Driver model |
| Standard type                       | AS66□S■             | ASM66□C■      | ASD12A-S     |
|                                     | AS69□S■             | ASM69□C■      | ASD16D-S     |
|                                     | AS98□S■             | ASM98□C■      | ASD16A-S     |
|                                     | AS911AS■            | ASM911AC■     | ASD20A-S     |
| Standard type metal connector motor | AS66AST             | ASM66ACT      | ASD12A-S     |
|                                     | AS69AST             | ASM69ACT      | ASD16D-S     |
|                                     | AS98AST             | ASM98ACT      | ASD16A-S     |
|                                     | AS911AST            | ASM911ACT     | ASD20A-S     |
| TH geared type                      | AS66□S■-T3.6        | ASM66□C■-T3.6 | ASD12B-S     |
|                                     | AS66□S■-T7.2        | ASM66□C■-T7.2 |              |
|                                     | AS66□S■-T10         | ASM66□C■-T10  |              |
|                                     | AS66□S■-T20         | ASM66□C■-T20  | ASD12C-S     |
|                                     | AS66□S■-T30         | ASM66□C■-T30  |              |
|                                     | AS98□S■-T3.6        | ASM98□C■-T3.6 | ASD16A-S     |
|                                     | AS98□S■-T7.2        | ASM98□C■-T7.2 |              |
|                                     | AS98□S■-T10         | ASM98□C■-T10  | ASD16C-S     |
|                                     | AS98□S■-T20         | ASM98□C■-T20  |              |
|                                     | AS98□S■-T30         | ASM98□C■-T30  |              |
| PL geared type                      | AS66□S■-P5          | ASM66□C■-P5   | ASD12A-S     |
|                                     | AS66□S■-P7.2        | ASM66□C■-P7.2 |              |
|                                     | AS66□S■-P10         | ASM66□C■-P10  |              |
|                                     | AS66□S■-P25         | ASM66□C■-P25  | ASD12B-S     |
|                                     | AS66□S■-P36         | ASM66□C■-P36  | ASD12C-S     |
|                                     | AS66□S■-P50         | ASM66□C■-P50  | ASD16A-S     |
|                                     | AS98□S■-P5          | ASM98□C■-P5   |              |
|                                     | AS98□S■-P7.2        | ASM98□C■-P7.2 |              |
|                                     | AS98□S■-P10         | ASM98□C■-P10  |              |
|                                     | AS98□S■-P25         | ASM98□C■-P25  | ASD16B-S     |
|                                     | AS98□S■-P36         | ASM98□C■-P36  |              |
|                                     | AS98□S■-P50         | ASM98□C■-P50  |              |
| PN geared type                      | AS66□S■-N5          | ASM66□C■-N5   | ASD12A-S     |
|                                     | AS66□S■-N7.2        | ASM66□C■-N7.2 |              |
|                                     | AS66□S■-N10         | ASM66□C■-N10  |              |
|                                     | AS66□S■-N25         | ASM66□C■-N25  | ASD12B-S     |
|                                     | AS66□S■-N36         | ASM66□C■-N36  | ASD12C-S     |
|                                     | AS66□S■-N50         | ASM66□C■-N50  | ASD16A-S     |
|                                     | AS98□S■-N5          | ASM98□C■-N5   |              |
|                                     | AS98□S■-N7.2        | ASM98□C■-N7.2 |              |
|                                     | AS98□S■-N10         | ASM98□C■-N10  |              |
|                                     | AS98□S■-N25         | ASM98□C■-N25  | ASD16B-S     |
|                                     | AS98□S■-N36         | ASM98□C■-N36  |              |
|                                     | AS98□S■-N50         | ASM98□C■-N50  |              |
| Harmonic geared type                | AS66□S2-H50         | ASM66□C2-H50  | ASD12B-S     |
|                                     | AS66□S2-H100        | ASM66□C2-H100 | ASD12C-S     |
|                                     | AS66□SE-H50         | ASM66□CE-H50  | ASD12B-S     |
|                                     | AS66□SE-H100        | ASM66□CE-H100 | ASD12C-S     |
|                                     | AS66□S-H50          | ASM66□C-H50   |              |
|                                     | AS66□S-H100         | ASM66□C-H100  | ASD16B-S     |
|                                     | AS98□S■-H50         | ASM98□C■-H50  |              |
|                                     | AS98□S■-H100        | ASM98□C■-H100 |              |

| Type                                | Built-In controller (stored data) package |               |              |
|-------------------------------------|-------------------------------------------|---------------|--------------|
|                                     | Package model                             | Motor model   | Driver model |
| Standard type                       | AS66□S■D                                  | ASM66□C■      | ASD12A-SD    |
|                                     | AS69□S■D                                  | ASM69□C■      | ASD16D-SD    |
|                                     | AS98□S■D                                  | ASM98□C■      | ASD16A-SD    |
|                                     | AS911AS■D                                 | ASM911AC■     | ASD20A-SD    |
| Standard type metal connector motor | -                                         | -             | -            |
|                                     | -                                         | -             | -            |
|                                     | -                                         | -             | -            |
|                                     | -                                         | -             | -            |
| TH geared type                      | AS66□S■D-T3.6                             | ASM66□C■-T3.6 | ASD12B-SD    |
|                                     | AS66□S■D-T7.2                             | ASM66□C■-T7.2 |              |
|                                     | AS66□S■D-T10                              | ASM66□C■-T10  |              |
|                                     | AS66□S■D-T20                              | ASM66□C■-T20  | ASD12C-SD    |
|                                     | AS66□S■D-T30                              | ASM66□C■-T30  |              |
|                                     | AS98□S■D-T3.6                             | ASM98□C■-T3.6 | ASD16A-SD    |
|                                     | AS98□S■D-T7.2                             | ASM98□C■-T7.2 |              |
|                                     | AS98□S■D-T10                              | ASM98□C■-T10  | ASD16C-SD    |
|                                     | AS98□S■D-T20                              | ASM98□C■-T20  |              |
|                                     | AS98□S■D-T30                              | ASM98□C■-T30  |              |
| PL geared type                      | AS66□S■D-P5                               | ASM66□C■-P5   | ASD12A-SD    |
|                                     | AS66□S■D-P7.2                             | ASM66□C■-P7.2 |              |
|                                     | AS66□S■D-P10                              | ASM66□C■-P10  |              |
|                                     | AS66□S■D-P25                              | ASM66□C■-P25  | ASD12B-SD    |
|                                     | AS66□S■D-P36                              | ASM66□C■-P36  | ASD12C-SD    |
|                                     | AS66□S■D-P50                              | ASM66□C■-P50  | ASD16A-SD    |
|                                     | AS98□S■D-P5                               | ASM98□C■-P5   |              |
|                                     | AS98□S■D-P7.2                             | ASM98□C■-P7.2 |              |
|                                     | AS98□S■D-P10                              | ASM98□C■-P10  |              |
|                                     | AS98□S■D-P25                              | ASM98□C■-P25  | ASD16B-SD    |
|                                     | AS98□S■D-P36                              | ASM98□C■-P36  |              |
|                                     | AS98□S■D-P50                              | ASM98□C■-P50  |              |
| PN geared type                      | AS66□S■D-N5                               | ASM66□C■-N5   | ASD12A-SD    |
|                                     | AS66□S■D-N7.2                             | ASM66□C■-N7.2 |              |
|                                     | AS66□S■D-N10                              | ASM66□C■-N10  |              |
|                                     | AS66□S■D-N25                              | ASM66□C■-N25  | ASD12B-SD    |
|                                     | AS66□S■D-N36                              | ASM66□C■-N36  | ASD12C-SD    |
|                                     | AS66□S■D-N50                              | ASM66□C■-N50  | ASD16A-SD    |
|                                     | AS98□S■D-N5                               | ASM98□C■-N5   |              |
|                                     | AS98□S■D-N7.2                             | ASM98□C■-N7.2 |              |
|                                     | AS98□S■D-N10                              | ASM98□C■-N10  |              |
|                                     | AS98□S■D-N25                              | ASM98□C■-N25  | ASD16B-SD    |
|                                     | AS98□S■D-N36                              | ASM98□C■-N36  |              |
|                                     | AS98□S■D-N50                              | ASM98□C■-N50  |              |
| Harmonic geared type                | AS66□SD2-H50                              | ASM66□C2-H50  | ASD12B-SD    |
|                                     | AS66□SD2-H100                             | ASM66□C2-H100 | ASD12C-SD    |
|                                     | AS66□SED-H50                              | ASM66□CE-H50  | ASD12B-SD    |
|                                     | AS66□SED-H100                             | ASM66□CE-H100 | ASD12C-SD    |
|                                     | AS66□SD-H50                               | ASM66□C-H50   |              |
|                                     | AS66□SD-H100                              | ASM66□C-H100  | ASD16B-SD    |
|                                     | AS98□S■D-H50                              | ASM98□C■-H50  |              |
|                                     | AS98□S■D-H100                             | ASM98□C■-H100 |              |

## Combinations of actuators and drivers

### ■ DG series

| Pulse input package |                              |              | Built-In controller (stored data) package |                              |              |
|---------------------|------------------------------|--------------|-------------------------------------------|------------------------------|--------------|
| Package model       | Actuator model (motor model) | Driver model | Package model                             | Actuator model (motor model) | Driver model |
| <b>DG85R-ASAA</b>   | DGM85R-ASAA (ASM46AA-D)      | ASD13B-A     | <b>DG85R-ASAAD</b>                        | DGM85R-ASAA (ASM46AA-D)      | ASD13B-AD    |
| <b>DG85R-ASBA</b>   | DGM85R-ASBA (ASM46BA-D)      |              | <b>DG85R-ASBAD</b>                        | DGM85R-ASBA (ASM46BA-D)      |              |
| <b>DG130R-ASAA</b>  | DGM130R-ASAA (ASM66AA-D)     | ASD24A-A     | <b>DG130R-ASAAD</b>                       | DGM130R-ASAA (ASM66AA-D)     | ASD24A-AD    |
| <b>DG130R-ASBA</b>  | DGM130R-ASBA (ASM66BA-D)     |              | <b>DG130R-ASBAD</b>                       | DGM130R-ASBA (ASM66BA-D)     |              |
| <b>DG130R-ASMA</b>  | DGM130R-ASMA (ASM66MA-D)     |              | <b>DG130R-ASMAD</b>                       | DGM130R-ASMA (ASM66MA-D)     |              |
| <b>DG130R-ASAC</b>  | DGM130R-ASAC (ASM66AC-D)     | ASD12A-C     | <b>DG130R-ASACD</b>                       | DGM130R-ASAC (ASM66AC-D)     | ASD12A-CD    |
| <b>DG130R-ASBC</b>  | DGM130R-ASBC (ASM66BC-D)     |              | <b>DG130R-ASBCD</b>                       | DGM130R-ASBC (ASM66BC-D)     |              |
| <b>DG130R-ASMC</b>  | DGM130R-ASMC (ASM66MC-D)     |              | <b>DG130R-ASMCD</b>                       | DGM130R-ASMC (ASM66MC-D)     |              |
| <b>DG130R-ASAS</b>  | DGM130R-ASAC (ASM66AC-D)     | ASD12A-S     | <b>DG130R-ASASD</b>                       | DGM130R-ASAC (ASM66AC-D)     | ASD12A-SD    |
| <b>DG130R-ASBS</b>  | DGM130R-ASBC (ASM66BC-D)     |              | <b>DG130R-ASBSD</b>                       | DGM130R-ASBC (ASM66BC-D)     |              |
| <b>DG130R-ASMS</b>  | DGM130R-ASMC (ASM66MC-D)     |              | <b>DG130R-ASMSD</b>                       | DGM130R-ASMC (ASM66MC-D)     |              |
| <b>DG200R-ASAA</b>  | DGM200R-ASAA (ASM911AAE-D)   | ASD30E-A     | <b>DG200R-ASAAD</b>                       | DGM200R-ASAA (ASM911AAE-D)   | ASD30E-AD    |
| <b>DG200R-ASBA</b>  | DGM200R-ASBA (ASM911BAE-D)   |              | <b>DG200R-ASBAD</b>                       | DGM200R-ASBA (ASM911BAE-D)   |              |
| <b>DG200R-ASMA</b>  | DGM200R-ASMA (ASM911MAE-D)   |              | <b>DG200R-ASMAD</b>                       | DGM200R-ASMA (ASM911MAE-D)   |              |
| <b>DG200R-ASAC</b>  | DGM200R-ASAC (ASM911ACE-D)   | ASD20A-C     | <b>DG200R-ASACD</b>                       | DGM200R-ASAC (ASM911ACE-D)   | ASD20A-CD    |
| <b>DG200R-ASBC</b>  | DGM200R-ASBC (ASM911BCE-D)   |              | <b>DG200R-ASBCD</b>                       | DGM200R-ASBC (ASM911BCE-D)   |              |
| <b>DG200R-ASMC</b>  | DGM200R-ASMC (ASM911MCE-D)   |              | <b>DG200R-ASMCD</b>                       | DGM200R-ASMC (ASM911MCE-D)   |              |
| <b>DG200R-ASAS</b>  | DGM200R-ASAC (ASM911ACE-D)   | ASD20A-S     | <b>DG200R-ASASD</b>                       | DGM200R-ASAC (ASM911ACE-D)   | ASD20A-SD    |
| <b>DG200R-ASBS</b>  | DGM200R-ASBC (ASM911BCE-D)   |              | <b>DG200R-ASBSD</b>                       | DGM200R-ASBC (ASM911BCE-D)   |              |
| <b>DG200R-ASMS</b>  | DGM200R-ASMC (ASM911MCE-D)   |              | <b>DG200R-ASMSD</b>                       | DGM200R-ASMC (ASM911MCE-D)   |              |

The models ASD followed by -A and -AD are replaced to the above tabulated models ASDxyz followed by -A and -AD after software was modified.

The models ASD followed by -C and -CD are replaced to the above tabulated models ASDxyz followed by -C and -CD after software was modified.

The models ASD followed by -S and -SD are replaced to the above tabulated models ASDxyz followed by -S and -SD after software was modified.

x : 1, 2, or 3

y : 0, 2, 3, 4 or 6

z : A, B, C, D or E

The replaced model name is located adjacent to original model name.

## Maximum Surrounding Air Temperature

### ■ Pulse input package

Maximum Surrounding Air Temperature 50 °C (122 °F).

### ■ Built-In controller (stored data) package

Maximum Surrounding Air Temperature 40 °C (104 °F).

## Installation conditions (EN Standard)

Pollution degree: 2 (or 3 for metal connector motor)

## Warning for UL marking on driver

- These drivers have not been evaluated for motor overload protection. The motor overload protection alarm of the driver should be considered in the end use product.
- Drivers have no provision for motor over temperature protection. Motor over temperature protection is required at end application.