














## Optional accessories

Various optional units allow you to add function quickly and easily in the field.

| Auxiliary contact block   |                |                 | Operation counter  | Coil surge suppression unit   | Main circuit surge suppression unit   | Mechanical interlock unit and power connection kit for reversing                    |   |             |
|---|----------------|-----------------|--|---|---|---|---|-------------|
| All contacts are bifurcated contacts so that the minimum voltage current is 5V DC, 3mA. |                |                 | This unit indicates the number of contactor on-off operations to ensure easy maintenance and inspection. | This unit absorbs coil surge voltage due to contactor on-off operation.           | This unit prevents misoperation of electronic equipment due to surge voltage generated from motor when contactor is open or closed. | This unit is used to interlock two contactors for reversing.                        |   |             |
| 4-pole<br>SZ-A  | 2-pole<br>SZ-A | 2-pole<br>SZ-AS | SZ-J   | SZ-Z  | SZ-ZM   | SZ-ZM   | SZ-RM   | SZ-RW       |
| Front-mounting  | Side-mounting  |                 |                         |  |   |  |  |             |
| SC-03 to N3   | SC-03 to N16   |                 | SC-03 to N3  | SC-03 to N4<br>SC-03/G to SC-N3/G   | SC-03 to N3   | SC-03 to N3   | SC-03 to N3   | SC-03 to N3 |

| Coil drive unit for IC output   | 3-pole parallel connection kit  | Base unit for separate mounting   | Dial cover  | Trip indicator  | Terminal cover   | Insulation barrier  | Live-section cover  | Off-delay release unit  |                |
|---|---|---|---|---|--|---|---|---|----------------|
| This unit controls on-off operation for contactor by the DC output of electronic equipment. | This kit modifies a 3-pole contactor to a single-pole contactor for resistive load. | This unit is used when thermal relay is required to mount independently.          | For protection against the current setting being changed in error.                | This unit indicates thermal relay tripping status.                                | This covers conform to DIN 57106 and VDE 0106 Teil 100.                            | This unit prevents accidental short-circuits caused by metallic objects falling onto the terminals. | This cover prevents exposure of the live section for increasing safety.             | This unit prevents circuit opening due to instantaneous voltage drop.               |                |
| SZ-CD   | SZ-SP   | SZ-H  | SZ-DA   | SZ-L  | SZ-T*, T*<br>SZ-W* T   | SZ-B  | SZ-*, J, W*, J<br>SZ-J*, JW*  | SZ-DE*<br>SZ-DE   |                |
| Top-mounting<br>Side-mounting   |    |  |  |  |  |                  |  |  |                |
| SC-03 to N3<br>SC-N4 to N12   | SC-03 to N16  | TR-0N to N3   | TR-0N to N14  | TR-0N to N14  | SC-03 to N12<br>SW-03 to N12   | TR-N2H, N3H, N6H  | SC-N4 to N12<br>SW-N4 to N12<br>TR-N6H, N10H, N12H                                  | SC-03 to N12<br>SW-03 to N12  | SC-03/G to N14 |

## Versions

### Starters with on-off and reset pushbuttons

- Compact and simple operation – Provided with ON-OFF and reset pushbuttons, hence best suited for direct-on-line starting.
- Superior motor protection – Built-in highly reliable thermal overload relay is designed to give motor complete protection against overcurrent.
- Long service life – Hyperfine silver alloy contacts performance and a long electrical life.



| Max. motor capacity (kW) | Auxiliary contact |                  |          | With on-off/reset pushbutton |
|--------------------------|-------------------|------------------|----------|------------------------------|
|                          | Single-phase 110V | 3-phase 200/240V | 380/440V |                              |
| 0.4                      | 2.5               | 4                | 1NO      | SW-03P/3H                    |
| 0.5                      | 3.5               | 5.5              | 1NO      | SW-05P/3H                    |
| 0.5                      | 3.5               | 5.5              | 1NO+1NC  | SW-05PB/3H                   |
| 0.6                      | 4.5               | 7.5              | 1NO      | SW-4-1P/3H                   |
| 0.8                      | 5.5               | 11               | 1NO      | SW-4-1PB/3H                  |
| 0.8                      | 5.5               | 11               | 1NO+1NC  | SW-5-1P/3H                   |
| 1.2                      | 7.5               | 15               | 2NO+2NC  | SW-N1PB/3H                   |
| 1.7                      | 11                | 18.5             | 2NO+2NC  | SW-N2PB/3H                   |
| —                        | 15                | 22               | 2NO+2NC  | SW-N25PB/3H                  |
| —                        | 18.5              | 30               | 2NO+2NC  | SW-N3PB/3H                   |
| —                        | 22                | 40               | 2NO+2NC  | SW-N4PB/3H                   |
| —                        | 30                | 55               | 2NO+2NC  | SW-N5PB/3H                   |
| —                        | 37                | 60               | 2NO+2NC  | SW-N6PB/3H                   |
| —                        | 55                | 90               | 2NO+2NC  | SW-N8PB/3H                   |
| —                        | 65                | 110              | 2NO+2NC  | SW-N10PB/3H                  |

| Coil voltage *                 |                    |
|--------------------------------|--------------------|
| • SW-03P to 5-1P, N1PB to N4PB | • SW-N5PB to N10PB |
| 24V 50Hz / 24-26V 60Hz         | AC                 |
| 48V 50Hz / 48-52V 60Hz         | 24-25V 50/60Hz     |
| 100V 50Hz / 100-110V 60Hz      | 48-50V 50/60Hz     |
| 100-110V 50Hz / 110-120V 60Hz  | 100-127V 50/60Hz   |
| 110-120V 50Hz / 120-130V 60Hz  | 200-250V 50/60Hz   |
| 200V 50Hz / 200-220V 60Hz      | 265-347V 50/60Hz   |
| 200-220V 50Hz / 220-240V 60Hz  | 380-450V 50/60Hz   |
| 220-240V 50Hz / 240-260V 60Hz  | 460-575V 50/60Hz   |
| 346-380V 50Hz / 380-420V 60Hz  |                    |
| 380-400V 50Hz / 400-440V 60Hz  |                    |
| 415-440V 50Hz / 440-480V 60Hz  |                    |
| 480-500V 50Hz / 500-550V 60Hz  |                    |

\* Other coil voltages between 24V and 600V AC are available.  
 \*\* The coil voltage from a DC power supply with single phase full-wave rectification will be 100V to 110V  
 \*\* The coil voltage from a DC power supply with single phase full-wave rectification will be 200V to 220V

### Definite purpose contactors and starters

- Small size, light weight
- Budget priced
- Long service life – The contacts are self-cleaning by a scrubbing section during operation and are made of silver alloy.
- Highly reliable operating coil – Pick up voltage 75% of rated voltage
- Self-lifting terminals make it easy to wire.



| Motor capacity (kW)            | Operational current (A) | Auxiliary contact |            | Non-reversing Open Type |
|--------------------------------|-------------------------|-------------------|------------|-------------------------|
|                                |                         | Standard          | Type       |                         |
| AC-3 3-phase 200/240V 380/440V | AC-1                    | Standard          | Type       | FC-0UL                  |
| 3 2.5                          | 20                      | 1NO, 1NC          | FC-0SUL    | FC-1UL                  |
| 3.5 4.5                        | 20                      | 1NO, 1NC          | FC-1SUL    | FC-2SUL                 |
| 5.5 5.5                        | 30                      | 1NO+1NC **        | FC-3UL     | FC-4UL                  |
| 7.5 7.5                        | 30                      | 1NO+1NC **        | FC-0A      | FC-0TUL                 |
| 11 11                          | 40                      | 1NO+1NC **        | FC-0TUL    | FC-0GUL                 |
| 15 18.5                        | 60                      | 1NO+1NC **        | FC-0S/GUL  | FC-0T/GUL               |
| 18.5 30                        | 80                      | 1NO+1NC **        | FC-0S/TGUL | FC-0A/G                 |
| 1.5 —                          | 8                       | 1NO, 1NC          |            |                         |
| 3.0 2.5                        | 20                      | 1NO, 1NC          |            |                         |
| 3.5 4.5                        | 20                      | 1NO, 1NC          |            |                         |
| 3.0 2.5                        | 20                      | 1NO, 1NC          |            |                         |
| 3.5 4.5                        | 20                      | 1NO, 1NC          |            |                         |
| 3.0 2.5                        | 20                      | 1NO, 1NC          |            |                         |
| 3.5 4.5                        | 20                      | 1NO, 1NC          |            |                         |
| 1.5 —                          | 8                       | 1NO, 1NC          |            |                         |

| Coil voltage *                |                    |
|-------------------------------|--------------------|
| • FC-0/UL to 4UL              | • FC-0/GUL to 0A/G |
| 24V 50Hz / 24-26V 60Hz        | 24V DC             |
| 48V 50Hz / 48-52V 60Hz        | 48V DC             |
| 100V 50Hz / 100-110V 60Hz     | 60V DC             |
| 100-110V 50Hz / 110-120V 60Hz | 100V DC            |
| 110-120V 50Hz / 120-130V 60Hz | 110V DC            |
| 200V 50Hz / 200-220V 60Hz     | 200V DC            |
| 200-220V 50Hz / 220-240V 60Hz | 220V DC            |
| 220-240V 50Hz / 240-260V 60Hz |                    |
| 346-380V 50Hz / 380-420V 60Hz |                    |
| 380-400V 50Hz / 400-440V 60Hz |                    |
| 415-440V 50Hz / 440-480V 60Hz |                    |

\* Other coil voltages between 24V and 440V AC are available.  
 \*\* Auxiliary contact arrangement 2NO or 2NC is available.

### Standard type industrial relay

- Employing of bifurcated contact assures an increase of high contact reliability in low-level circuit use (5V, 3mA)
- Variety of optional function units: Auxiliary contact block, off-delay release unit, coil surge suppression unit and operation counter
- Snap-on 35mm rail mounting available
- UL, CSA, TÜV, BV and Lloyd approved



| Type                          | SH-4 4-pole, 8pole                                   | SH-5 5-pole | SH-4H 4-pole, 8-pole | SH-5H 5-pole |    |
|-------------------------------|--|-------------|----------------------|--------------|----|
| Contact                       | Bifurcated   |             |                      |              |    |
| Rated thermal current (A)     | 10   |             |                      |              |    |
| Make and break capacity (A)   | 110V AC  | 60          | 60                   | 60           |    |
|                               | 220V AC  | 30          | 30                   | 30           |    |
|                               | 440V AC  | 15          | 15                   | 15           |    |
|                               | 550V AC  | 12          | 12                   | 12           |    |
| Rated operational current (A) | Ind.   | Res.        | Ind.                 | Res.         |    |
|                               | 110V AC  | 6           | 10                   | 6            | 10 |
|                               | 220V AC  | 3           | 8                    | 3            | 8  |
|                               | 440V AC  | 1.5         | 5                    | 1.5          | 5  |
| Coil voltage *                | 24V 50Hz / 24-26V / 60Hz,                            |             |                      |              |    |
|                               | 48V 50Hz / 48-52V / 60Hz,                            |             |                      |              |    |
|                               | 100V 50Hz / 100-110V / 60Hz,                         |             |                      |              |    |
|                               | 110-120V 50Hz / 120-130V / 60Hz,                     |             |                      |              |    |
| Contact arrangement           | 4-pole: 4NO, 3NO+1NC, 2NO+2NC                        |             |                      |              |    |
|                               | 8-pole: 8NO, 7NO+1NC, 6NO+2NC, 5NO+3NC, 4NO+4NC      |             |                      |              |    |
|                               | 5-pole: 5NO, 4NO+1NC, 3NO+2NC, 2NO+3NC, 1NO+4NC, 5NC |             |                      |              |    |

\* Other coil voltages between 24V and 800V AC are available.

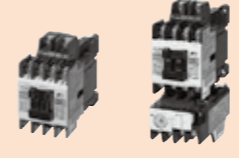

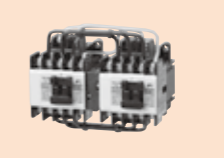
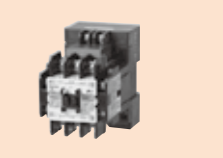
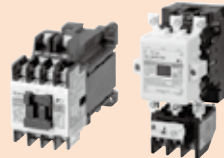
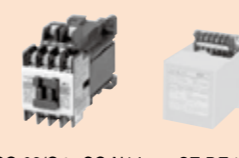

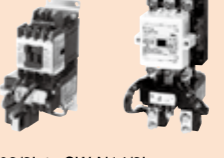
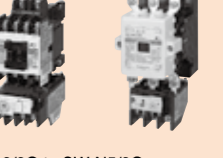
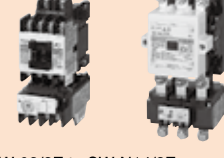
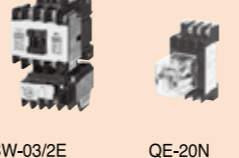


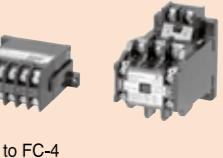


# FUJI Magnetic Contactors and Starters



Fuji Electric FA Components & Systems Co., Ltd.

AEH112b

## FUJI's wide variety of contactors and starters offers you a selection of types to satisfy your requirements.

| Standard type contactors and starters   | Enclosed type contactors and starters   | Reversing contactors and starters   | Contactors and starters with SUPER MAGNET (non-standard)  | DC-operated contactors and starters   |
|---|---|---|---|---|
| <br>SC-03 to SC-N16<br>SW-03 to SW-N14     | <br>SC-03C to SC-N14C<br>SW-03C to SW-N14C | <br>SC-03RM to SC-N14RM<br>SW-03RM to SW-N14RM | <br>SC-N1/SE to SC-N4/SE<br>SW-N1/SE to SW-N4/SE | <br>SC-03/G to SC-N16<br>SW-03/G to SW-N14   |
| OFF-delay release contactors and starters   | Mechanical latch contactors   | Starters for heavy starting duty condition  | Starters with quick-operating overload relay  | Starters with open-phase protective (2E)  |
| <br>SC-03/G to SC-N14<br>SW-03/G to SW-N14 | <br>SZ-DE*<br>SZ-N*/DE                     | <br>SC-03/V to SC-N14/V                        | <br>SW-03/3L to SW-N14/3L                        | <br>SW-03/3Q to SW-N5/3Q                     |
| Starters with open-phase and phase-sequence protective device   | SB series DC magnetic contactors  | FC and FW economic type contactors and starters   | UL and CSA approved Starters and starters   |   |
| <br>SW-03/2E<br>to SW-N14/2E               | <br>QE-20N                                 | <br>SC-03 to SC-N16 + SZ-SP*                   | <br>SB-2N to SB-11N                              | <br>FC-0 to FC-4<br>FW-0 to FW-4             |
|   |   |   |   | <br>SC-03 to SC-N16<br>SW-03/3H to SW-N14/3H |

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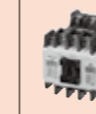
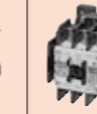
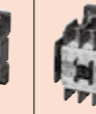
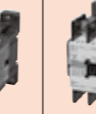
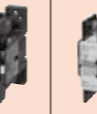










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# FUJI Magnetic Contactors and Starters

*Your Best Choice is FUJI.*

| Contactors                              |                      | 03  | 0   | 05  | 4-0   | 4-1   | 5-1  | N1  | N2  | N2S   | N3  | N4  | N5  | N6  | N7  | N8  | N10   | N11   | N12   | N14   | N16   |
|---|----------------------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                    | Contactor Starter    | SC-03 SW-03/3H  | SC-0 SW-0/3H  | SC-05 SW-05/3H  | SC-4-0 SW-4-0/3H  | SC-4-1 SW-4-1/3H  | SC-5-1 SW-5-1/3H   | SC-N1 SW-N1/3H  | SC-N2 SW-N2/3H  | SC-N2S SW-N2S/3H  | SC-N3 SW-N3/3H  | SC-N4 SW-N4/3H  | SC-N5A SW-N5A/3H  | SC-N6 SW-N6/3H  | SC-N7 SW-N7/3H  | SC-N8 SW-N8/3H  | SC-N10 SW-N10/3H  | SC-N11 SW-N11/3H  | SC-N12 SW-N12/3H  | SC-N14 SW-N14/3H  | SC-N16 -  |
| Max. motor capacity (kW)                | 200-240V<br>380-440V | 2.5<br>4  | 3.5<br>5.5  | 3.5<br>5.5  | 4.5<br>7.5  | 5.5<br>11   | 5.5<br>11  | 7.5<br>15   | 11<br>18.5  | 15<br>22  | 18.5<br>30  | 22<br>40  | 30<br>55  | 37<br>60  | 45<br>75  | 55<br>90  | 65<br>110   | 90<br>160   | 120<br>220  | 180<br>315  | 220<br>440  |
| AC-3                                    | 500-550V             | 4   | 5.5   | 5.5   | 7.5   | 11  | 11   | 15  | 18.5  | 25  | 37  | 37  | 55  | 60  | 75  | 130   | 132   | 160   | 250   | 400   | 500   |
| IEC 60947-4-1                           | 600-660V             | 4   | 5.5   | 5.5   | 7.5   | 7.5   | 7.5  | 11  | 15  | 22  | 30  | 37  | 55  | 60  | 90  | 132   | 132   | 200   | 300   | 480   | 500   |
| Operational current (A)                 | 200-240V             | 11  | 13  | 13  | 18  | 22  | 22   | 32  | 40  | 50  | 65  | 80  | 105   | 125   | 150   | 180   | 220   | 300   | 400   | 600   | 800   |
|   | 380-440V             | 9   | 12  | 12  | 16  | 22  | 22   | 32  | 40  | 50  | 65  | 80  | 105   | 125   | 150   | 180   | 220   | 300   | 400   | 600   | 800   |
|   | 500-550V             | 7   | 9   | 9   | 13  | 17  | 17   | 24  | 29  | 38  | 60  | 60  | 85  | 90  | 120   | 180   | 200   | 230   | 360   | 600   | 720   |
|   | 600-660V             | 5   | 7   | 7   | 9   | 9   | 9  | 15  | 19  | 26  | 38  | 44  | 64  | 72  | 103   | 150   | 150   | 230   | 360   | 600   | 630   |
| Thermal current (A)                     |                      | 20  | 20  | 20  | 25  | 32  | 32   | 50  | 60  | 80  | 100   | 135   | 150   | 150   | 200   | 260   | 260   | 350   | 450   | 660   | 800   |
| Auxiliary contact arrangement           |                      | 1NO<br>1NC  | 1NO<br>1NC  | 1NO+1NC<br>2NO, 2NC   | 1NO<br>1NC  | 1NO<br>1NC  | 1NO+1NC, 2NO<br>2NC, 2NO+2NC   | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  | 2NO+2NC<br>4NO+4NC  |
| Durability (10 <sup>6</sup> operations) | Electrical 200V      | 2   | 2   | 2   | 1.5   | 1.5   | 1.5  | 1.5   | 1.5   | 2   | 2   | 1   | 0.8   | 0.6   | 1   | 1   | 1   | 1   | 0.7   | 0.6   | 0.3   |
|   | 400V                 | 1.75  | 1.75  | 1.5   | 1   | 1   | 1  | 1   | 1   | 1.5   | 1.5   | 0.8   | 0.7   | 0.5   | 0.8   | 0.8   | 0.8   | 0.8   | 0.6   | 0.5   | 0.25  |
|   | Mechanical           | 10  | 10  | 10  | 10  | 10  | 10   | 10  | 10  | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 2.5   |
| Switching cycle per hour                |                      | 1800  | 1800  | 1800  | 1800  | 1800  | 1800   | 1800  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  | 1200  |

## Thermal Overload Relays

|                                   |           |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|-----------------------------------|-----------|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
|                                   |           |    |    |    |   |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  | -               |   |
| Standard type                     |           | TR-0N/3   | TR-0N/3   | TR-0N/3   | TR-5-1N/3  | TR-5-1N/3   | TR-5-1N/3   | TR-N2/3   | TR-N2/3   | TR-N3/3   | TR-N3/3   | TR-N5/3   | TR-N5/3   | TR-N6/3   | TR-N7/3   | TR-N8/3   | TR-N10/3  | TR-N12/3  | TR-N12/3  | TR-N14/3  | -               |   |
| With open-phase protective device |           | TK-0N   | TK-0N   | TK-0N   | TK-5-1N  | TK-5-1N   | TK-5-1N   | TK-N2   | TK-N2   | TK-N3   | TK-N3   | TK-N5   | TK-N5   | TK-N6   | TK-N7   | TK-N8   | TK-N10  | TK-N12  | TK-N12  | TK-N14  | -               |   |
| Setting range (A)                 |           | 0.1-0.15<br>0.13-0.2<br>0.15-0.24<br>0.2-0.3<br>0.24-0.36<br>0.3-0.45<br>0.36-0.54<br>0.48-0.72<br>0.64-0.96<br>0.8-1.2<br>0.95-1.45<br>1.4-2.2<br>1.7-2.6<br>2.2-3.4<br>2.8-4.2<br>4-6<br>5-8<br>6-9<br>7-11 | 0.1-0.15<br>0.13-0.2<br>0.15-0.24<br>0.2-0.3<br>0.24-0.36<br>0.3-0.45<br>0.36-0.54<br>0.48-0.72<br>0.64-0.96<br>0.8-1.2<br>0.95-1.45<br>1.4-2.2<br>1.7-2.6<br>2.2-3.4<br>2.8-4.2<br>4-6<br>5-8<br>6-9<br>7-11<br>9-13 | 0.1-0.15<br>0.13-0.2<br>0.15-0.24<br>0.2-0.3<br>0.24-0.36<br>0.3-0.45<br>0.36-0.54<br>0.48-0.72<br>0.64-0.96<br>0.8-1.2<br>0.95-1.45<br>1.4-2.2<br>1.7-2.6<br>2.2-3.4<br>2.8-4.2<br>4-6<br>5-8<br>6-9<br>7-11<br>9-13 | 0.1-0.15<br>0.13-0.2<br>0.15-0.24<br>0.2-0.3<br>0.24-0.36<br>0.3-0.45<br>0.36-0.54<br>0.48-0.72<br>0.64-0.96<br>0.8-1.2<br>0.95-1.45<br>1.4-2.2<br>1.7-2.6<br>2.2-3.4<br>2.8-4.2<br>4-6<br>5-8<br>6-9<br>7-11<br>9-13<br>12-18 | 0.1-0.15<br>0.13-0.2<br>0.15-0.24<br>0.2-0.3<br>0.24-0.36<br>0.3-0.45<br>0.36-0.54<br>0.48-0.72<br>0.64-0.96<br>0.8-1.2<br>0.95-1.45<br>1.4-2.2<br>1.7-2.6<br>2.2-3.4<br>2.8-4.2<br>4-6<br>5-8<br>6-9<br>7-11<br>9-13<br>12-18<br>16-22 | 0.1-0.15<br>0.13-0.2<br>0.15-0.24<br>0.2-0.3<br>0.24-0.36<br>0.3-0.45<br>0.36-0.54<br>0.48-0.72<br>0.64-0.96<br>0.8-1.2<br>0.95-1.45<br>1.4-2.2<br>1.7-2.6<br>2.2-3.4<br>2.8-4.2<br>4-6<br>5-8<br>6-9<br>7-11<br>9-13<br>12-18<br>16-22 | 4-6<br>5-8<br>6-9<br>7-11<br>9-13<br>12-18<br>24-36                                 | 4-6<br>5-8<br>6-9<br>7-11<br>9-13<br>12-18<br>24-36<br>32-42                        | 7-11<br>9-13<br>12-18<br>18-26<br>24-36<br>28-40<br>34-50<br>45-65                  | 7-11<br>9-13<br>12-18<br>18-26<br>24-36<br>28-40<br>34-50<br>45-65                  | 18-26<br>24-36<br>28-40<br>34-50<br>45-65<br>53-80                                  | 18-26<br>24-36<br>28-40<br>34-50<br>45-65<br>53-80<br>85-105                        | 45-65<br>53-80<br>65-95<br>85-125<br>110-160*                                       | 45-65<br>53-80<br>65-95<br>85-125<br>110-160  | 65-95<br>85-125<br>125-185  | 85-125<br>110-160<br>125-185<br>160-240   | 110-160<br>125-185<br>160-240<br>200-300  | 110-160<br>125-185<br>160-240<br>200-300  | 240-360<br>300-450<br>400-600   | -               | - |
| Dimensions (mm)                   | W x H x D | 43 x 81 x 80  | 43 x 81 x 80  | 53 x 81 x 80  | 53 x 81 x 81   | 53 x 81 x 81  | 64 x 81 x 81  | 74 x 87 x 96  | 74 x 87 x 96  | 88 x 110 x 111  | 88 x 110 x 111  | 88 x 127 x 117  | 88 x 127 x 132  | 100 x 144 x 138   | 115 x 156 x 140   | 138 x 209 x 174   | 138 x 209 x 174   | 148 x 240 x 195   | 148 x 240 x 195   | 290 x 332 x 327   | 290 x 332 x 327 |   |
|                                   | Starters  | 44 x 122 x 80   | 44 x 122 x 80   | 53 x 122 x 80   | 53 x 127 x 81  | 53 x 127 x 81   | 64 x 127 x 81   | 74 x 146 x 96   | 74 x 146 x 96   | 88 x 177 x 111  | 88 x 177 x 111  | 88 x 189 x 117  | 88 x 189 x 132  | 100 x 225 x 138   | 155 x 237 x 140   | 138 x 305 x 174   | 138 x 287 x 174   | 148 x 360 x 195   | 148 x 360 x 195   | 290 x 463 x 327   | -               |   |
| Standard                          |           |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |

Notes: \* Separate mounting only