

## 200 V class

| Three-phase: CIMR-LC2A |                                     | 0018                                    | 0025             | 0033             | 0047             | 0060             | 0075             | 0085             | 0115              | 0145              | 0180              |
|------------------------|-------------------------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|
| Motor kW <sup>*1</sup> | For HD setting                      | 4.0                                     | 5.5              | 7.5              | 11               | 15               | 18.5             | 22               | 30                | 37                | 45                |
|                        | Inverter capacity kVA <sup>*2</sup> | 6.7                                     | 9.5              | 12.6             | 17.9             | 23               | 29               | 32               | 44                | 55                | 69                |
| Output characteristics | Rated output current (A)            | 17.5 <sup>*3</sup>                      | 25 <sup>*3</sup> | 33 <sup>*3</sup> | 47 <sup>*3</sup> | 60 <sup>*3</sup> | 75 <sup>*3</sup> | 85 <sup>*3</sup> | 115 <sup>*3</sup> | 145 <sup>*4</sup> | 180 <sup>*4</sup> |
|                        | Max. output voltage                 | Proportional to input voltage: 0..240 V |                  |                  |                  |                  |                  |                  |                   |                   |                   |
|                        | Max. output frequency               | 120 Hz                                  |                  |                  |                  |                  |                  |                  |                   |                   |                   |
|                        | Rated input voltage and frequency   | 3-phase 200..240 V 50/60 Hz             |                  |                  |                  |                  |                  |                  |                   |                   |                   |
| Power supply           | Allowable voltage fluctuation       | -15%..+10%                              |                  |                  |                  |                  |                  |                  |                   |                   |                   |
|                        | Allowable frequency fluctuation     | +5%                                     |                  |                  |                  |                  |                  |                  |                   |                   |                   |
|                        | Input Current (A) <sup>*5</sup>     | 18.9                                    | 28               | 37               | 52               | 68               | 80               | 82               | 111               | 136               | 164               |

\*1 Based on a standard 4-pole motor for maximum applicable motor output.

\*2 Rated Motor Capacity is calculated with a rated output voltage of 220 V.

\*3 Carrier frequency can be increased up to 8 kHz while keeping this current rating. Higher carrier frequency settings require derating.

\*4 Carrier frequency can be increased up to 5 kHz while keeping this current rating. Higher carrier frequency settings require derating.

\*5 Assumes operation at rated output current. Input current rating varies depending on the power supply transformer, input reactor, Wiring conditions, and power supply impedance.

## 400 V class

| Three-phase: CIMR-LC4A |                                     | 0009                                      | 0015               | 0018             | 0024             | 0031             | 0039             | 0045             | 0060             | 0075             | 0091             | 0112              | 0150              |
|------------------------|-------------------------------------|---|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| Motor kW <sup>*1</sup> | For HD setting                      | 4.0                                       | 5.5                | 7.5              | 11               | 15               | 18.5             | 22               | 30               | 37               | 45               | 55                | 75                |
|                        | Inverter capacity kVA <sup>*2</sup> | 7   | 11.3               | 13.7             | 18.3             | 24               | 30               | 34               | 48               | 57               | 69               | 85                | 114               |
| Output characteristics | Rated output current (A)            | 9.2 <sup>*3</sup>                         | 14.8 <sup>*3</sup> | 18 <sup>*3</sup> | 24 <sup>*3</sup> | 31 <sup>*3</sup> | 39 <sup>*3</sup> | 45 <sup>*3</sup> | 60 <sup>*3</sup> | 75 <sup>*3</sup> | 91 <sup>*3</sup> | 112 <sup>*4</sup> | 150 <sup>*4</sup> |
|                        | Max. output voltage                 | 380..480V (proportional to input voltage) |                    |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
|                        | Max. output frequency               | 120 Hz                                    |                    |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
|                        | Rated input voltage and frequency   | 3-phase 380..480 VAC, 50/60 Hz            |                    |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
| Power supply           | Allowable voltage fluctuation       | -15%..+10%                                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
|                        | Allowable frequency fluctuation     | +5%                                       |                    |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
|                        | Input Current (A) <sup>*5</sup>     | 10.4                                      | 15                 | 20               | 29               | 39               | 44               | 49               | 58               | 71               | 86               | 105               | 142               |

\*1 Based on a standard 4-pole motor for maximum applicable motor output.

\*2 Rated Motor Capacity is calculated with a rated output voltage of 220 V.

\*3 Carrier frequency can be increased up to 8 kHz while keeping this current rating. Higher carrier frequency settings require derating.

\*4 Carrier frequency can be increased up to 5 kHz while keeping this current rating. Higher carrier frequency settings require derating.

\*5 Assumes operation at rated output current. Input current rating varies depending on the power supply transformer, input reactor, Wiring conditions, and power supply impedance.