OMRON

JX INVERTER

Compact and complete

» Quality & reliability you can depend on
» Communications built-in
» Cost and eco-friendly

realizing

OMRON

The smallest gets integrated...

Omron fully understands your needs, which is why we put quality and reliability first. And we keep listening, so our products come with new features and functionality that save you time and money.

With the RFI filter built-in, and the communications integrated as standard, the JX provides a compact and complete solution to a whole range of simple applications, such as conveyor control.

Key features include:

- Ratings up to 7.5 kW
- RS485 Modbus built-in
- Side-by-side mounting
- EMC filter built-in
- PID function
- Micro-surge voltage suppression
- Automatic energy saving
- Emergency shut-off
- Second motor setting
- Auto carrier-frequency reduction
- PTC thermistor input
- Cooling fan switch control
- RoHS

OMRON Function Block for Pulse Output Positioning. OMRON Function Block for Communications.
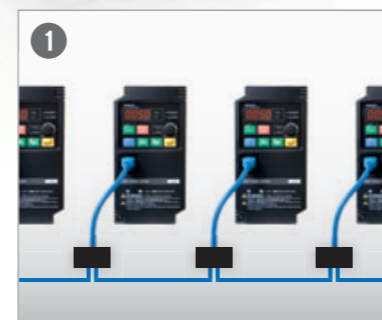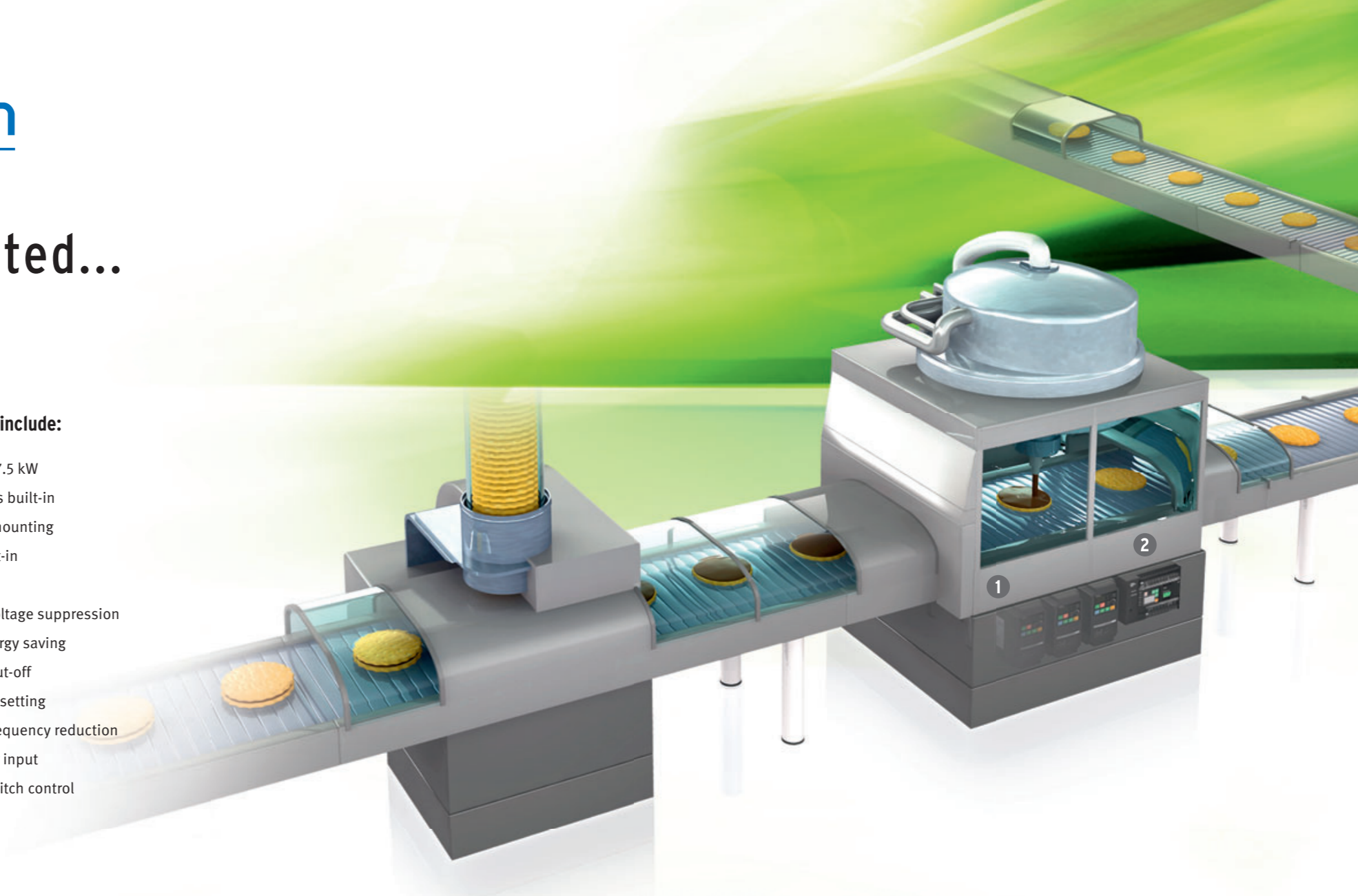
Easy network integration

The RS485 Modbus is built into the RJ45 port in the inverter front, making it very easy to add inverters into the network without any extra option boards. Therefore, saving money and space.
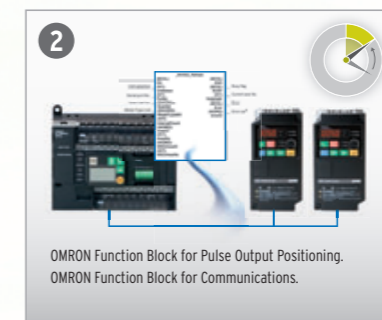
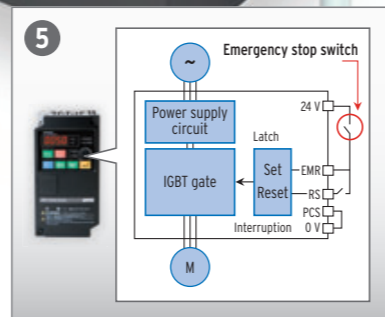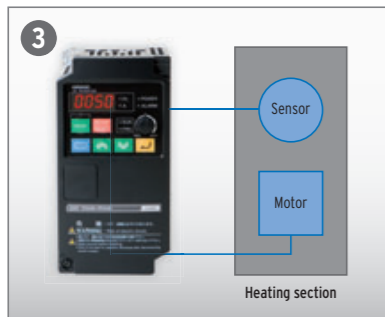### Easy communications setting

Modbus commands are implemented even in low end CP1 PLC family by Modbus-RTU Easy Master functionality, making it easier than ever to integrate the inverters into the network.
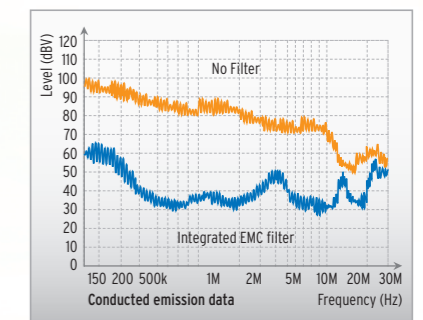
Space and cost saving

The new JX has a built-in EMC filter that saves on costs and space compared with the standard external filter solution.
1 ph : EN61800-3 cat. C1
3 ph : EN61800-3 cat. C2

Everything on-board
for your application

Silent operation

Depending on the inverter temperature, switching off the fan creates a noise-free atmosphere and prolongs the life time of the product.
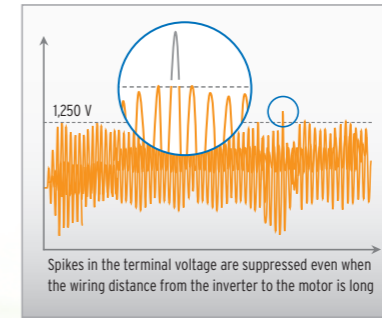
Maximise motor life

Advanced PWM control is used to suppress micro-surge voltages that sometimes cause malfunction in 400 V motors. The motor is thus protected and its life is prolonged.

1,250 V

Spikes in the terminal voltage are suppressed even when the wiring distance from the inverter to the motor is long

Automatic energy saving

The Inverter always adopts the optimum energy-saving setting for cost savings in such applications as fans and pumps. The inverter can reduce energy consumption by 61% compared with standard mechanical systems.

6

91%
76%
Damper system
61%
Energy-saving effect
22%
Inverter system

Power (%): 0 10 20 30 40 50 60 70 80 90
Airflow (%): 10 20 30 40 50 60 70 80 90 100

5

6

4

3

No additional devices required

Even advanced functionality such as PID control is standard with the JX inverter making it a convenient solution for applications such as pumps & fans where pressure, flow and other processes need controlling.

3

Sensor

Motor

Heating section

Convenient and efficient

The parameter settings of two different motors can be stored, allowing the inverter to drive different motors with a unique inverter. The two motors are never working at the same time.
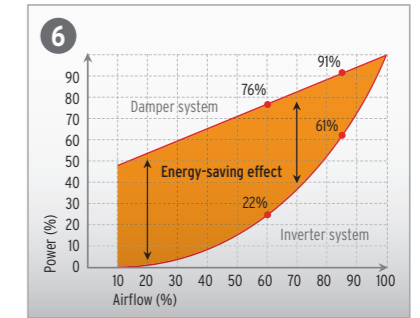
4

Reliable emergency shutdown

The IGBT's output is directly switched off from the external input, assuring no energy is supplied to the motor. This hardware-based solution is more reliable than other CPU dependent solutions.

5

Emergency stop switch

Power supply circuit

Latch
Set
Reset

IGBT gate

24 V
EMR
RS
PCS
0 V
Interruption

M

Reliability with environmental responsibility

Omron is renowned for the reliability of its products. Moreover, Omron's policy is to offer environmentally safe products free from any banned substances.

WARRANTY 3 YEARS

RoHS Compliant

OMRON

JX

Compact & Complete

- V/f controlled inverter
- Side by side mounting
- Built-in EMC filter
- Built-in RS-485 Modbus
- Overload detection function (150% during 60s)
- PID
- Micro-surge voltage suppression
- Automatic energy saving
- Emergency shut-off
- Second motor setting
- Auto carrier-frequency reduction
- PTC thermistor input
- Cooling fan switch control
- PC configuration tool: CX-Drive
- CE, UL, cUL, RoHS

Ratings

- 200 V Class single-phase 0.2 to 2.2 kW
- 200 V Class three-phase 0.2 to 7.5 kW
- 400 V Class three-phase 0.4 to 7.5 kW

System configuration

Power Supply

MCCB

AC Reactor

Filter

JX

Choke

Motor

Ground

RJ45 - USB Cable

CX-Drive
CX-One

Remote Operator
Extansion Cable

LCD 2 lines
Remote Operator

DC Reactor

Output Reactor

* Only needed for 3 phase 200V or to comply C1 on 3 phase 400V models
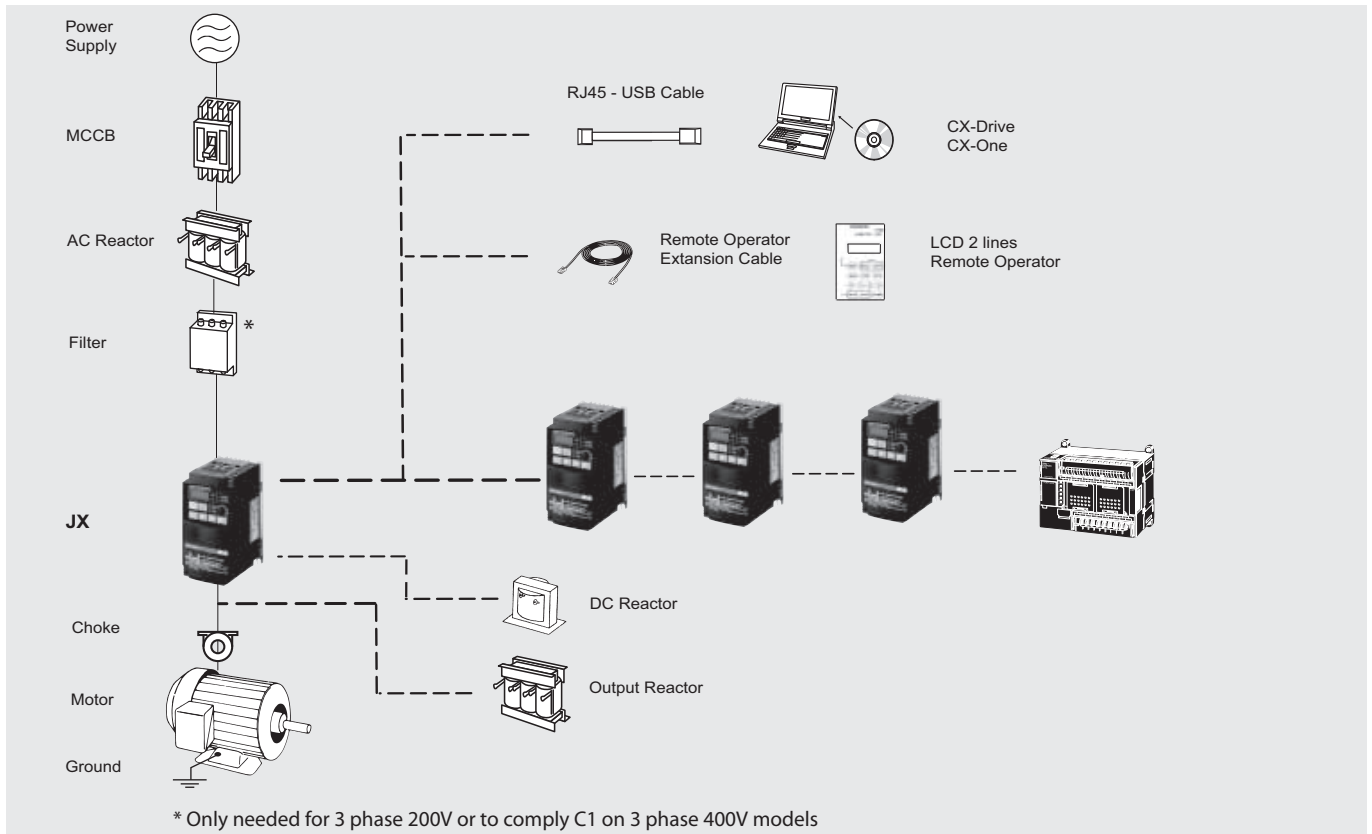
Specifications

Type designation

$$JXAB002-EF$$

JX series

A: Standard specs

Voltage:
B: Single-phase 200 VAC
2: Three-phase 200 VAC
4: Three-phase 400 VAC

F: Built-in EMC Filter

E: Europe standard

Max. applicable motor output
002: 0,2 kW
$\wr$
075: 7,5 kW
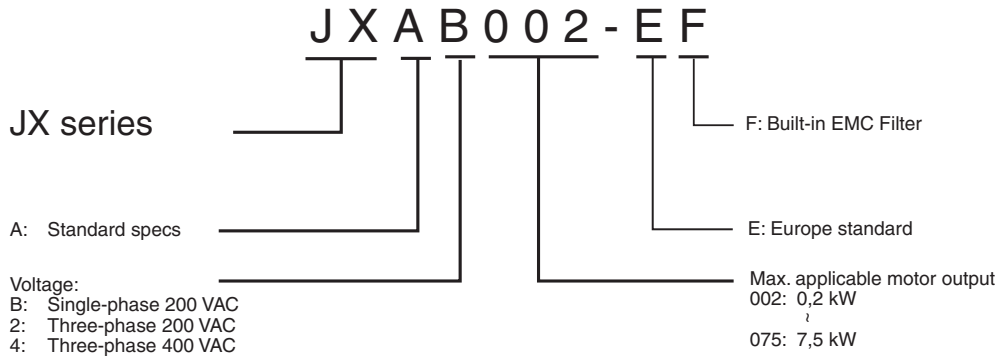
200 V class

Single-phase: JX☐		AB002	AB004	AB007	AB015	AB022	-	-	-
Three-phase: JX☐		A2002	A2004	A2007	A2015	A2022	A2037	A2055	A2075
Motor kW[1] Applicable motor capacity		0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5
Output characteristics Inverter capacity kVA	200 V	0.4	0.9	1.3	2.4	3.4	5.5	8.3	11.0
	240 V	0.5	1.0	1.6	2.9	4.1	6.6	9.9	13.3
Rated output current (A)		1.4	2.6	4.0	7.1	10.0	15.9	24.0	32.0
Max. output voltage		Proportional to input voltage: 0…240 V							
Max. output frequency		400 Hz							
Power supply Rated input voltage and frequency		Single-phase 200…240 V 50/60 Hz 3-phase 200…240 V 50/60 Hz							
Rated input current (A)		1.8	3.4	5.2	9.3	13.0	20.0	30.0	40.0
Allowable voltage fluctuation		-15%…+10%							
Allowable frequency fluctuation		+5%							
Built-in filter		EMC filter (C1 single phase)							
Braking torque	At short-time deceleration At capacitor feedback	Approx. 50%				50% for 3-phase 20 to 40% for 1-phase	Approx 20% to 40%		Approx 20%
Cooling method		Self cooling				Forced-air-cooling			

1. Based on a standard 3-Phase standard motor.

400 V class

Three-phase: JX☐		A4004	A4007	A4015	A4022	A4040	A4055	A4075
Motor kW[1] Applicable motor capacity		0.4	0.75	1.5	2.2	4.0	5.5	7.5
Output characteristics Inverter capacity kVA	380 V	0.9	1.6	2.5	3.6	5.6	8.5	10.5
	480 V	1.2	2.0	3.1	4.5	7.1	10.8	13.3
Rated output current (A)		1.5	2.5	3.8	5.5	8.6	13.0	16.0
Max. output voltage		Proportional to input voltage: 0…480 V						
Max. output frequency		400 Hz						
Power supply Rated input voltage and frequency		3-phase 380…480 V 50/60 Hz						
Rated input current (A)		2.0	3.3	5.0	7.0	11.0	16.5	20.0
Allowable voltage fluctuation		-15%…+10%						
Allowable frequency fluctuation		+5%						
Built-in filter		EMC filter C2 class						
Braking torque	At short-time deceleration At capacitor feedback	Approx. 50%		Approx. 20% to 40%			Approx. 20%	
Cooling method		Self cooling		Forced-air-cooling				

1. Based on a standard 3-Phase standard motor.

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Specifications

Commom specifications

	Model number JX☐	Specifications
Control functions	Control methods	Phase-to-phase sinusoidal modulation PWM (V/f)
	Output frequency range	0.5..400 Hz
	Frequency precision	Digital set value: ±0.01% of the max. frequency
		Analogue set value: ±0.4% of the max. frequency (25 ±10 ºC)
	Resolution of frequency set value	Digital set value: 0.1 Hz
		Analogue set value: 1/1000 of maximum frequency
	Resolution of output frequency	0.1Hz
	Overload capability	150% rated output current for one minute
	Frequency set value	0 to 10 VDC (10KΩ), 4 to 20mA (250Ω), frequency setting volume (selectable), RS485 Modbus
	V/f Characteristics	Constant/ reduced torque
Functionality	Inputs signals	FW (forward), RV (reverse), CF1 to CF4 (multi-step speed), JG (jogging), DB (external DC injection braking), SET (2nd function), 2CH (2-step acceleration/deceleration), FRS (free run), EXT (external trip), USP (USP function), SFT (soft lock), AT (analog current input function selection), RS (reset), PTC (thermistor input), STA (3-wire startup), STP (3-wire stop), F/R (3-wire forward/reverse), PID (PID selection), PIDC (PID integral reset), UP (UP of UP/DWN function), DWN (DWN of UP/DWN function), UDC (data clear of UP/DWN function), OPE (forced OPE mode), ADD (frequency addition), F-TM (forced terminal block), RDY (operation ready), SP-SET (special setting), EMR (emergency shutoff)
	Output signals	RUN (signal during operation), FA1 (frequency arrival signal 1), FA2 (frequency arrival signal 2), OL (overload warning signal), OD (PID excess deviation signal), AL (alarm signal), DC (analog input disconnection detection signal), FBV (PID FB status output), NDc (network error), LOG (logical operation result), ODc (communication option disconnected), LOC (light load signal)
	Standard functions	AVR function, V/f characteristic selection, upper/lower limit, 16-step speeds, starting frequency adjustment, jogging operation, carrier frequency adjustment, PID control, frequency jump, analog gain/bias adjustment, S-shape acceleration/deceleration, electronic thermal characteristics/level adjustment, retry function, simplified torque boost, trip monitor, soft lock function, frequency conversion display, USP function, 2nd control function, motor rotation speed UP/DOWN, overcurrent suppression function
	Analogue inputs	2 analogue inputs 0 to 10V (20KΩ), 4 to 20mA (250Ω)
	Accel/Decel times	0.01 to 3000s (line/curve selection), 2nd accel/decel setting available
	Display	Status indicator LED's Run, Program, Power, Alarm, Power, Hz, Amps, Volume Led indicator
		Digital operator: Available to monitor frequency reference, output current, output frequency
Protection functions	Motor overload protection	Electronic Thermal overload relay and PTC thermistor input
	Instantaneous overcurrent	180% of rated current
	Overload	150% for 1 minute
	Overvoltage	790V for 400V type and 395 for 200V type
	Momentary power loss	Following items are selectable: Alarm, 0 Hz start, frequency output at interruption, maximum frequency
	Cooling fin overheat	Temperature monitor and error detection
	Stall prevention level	Selectable level applicable only at constant speed or during acceleration and constant speed
	Ground fault	Detected at power-on
	Power charge indication	On when power is supplied to the control part
Ambient conditions	Degree of protection	IP20
	Ambient humidity	90% RH or less (without condensation)
	Storage temperature	-20 ºC..+65 ºC (short-term temperature during transportation)
	Ambient temperature	−10°C to 50°C (Both the carrier frequency and output current need to be reduced at over 40°C.)
	Installation	Indoor (no corrosive gas, dust, etc.)
	Installation height	Max. 1000 m
	Vibration	5.9 m/s^2 (0.6G), 10 to 55 Hz (Complies with the test method specified in JIS C0040 (1999).)

Dimensions

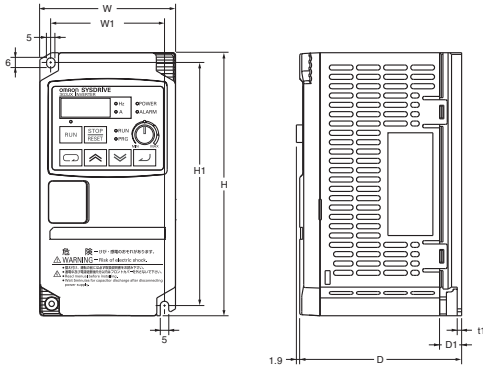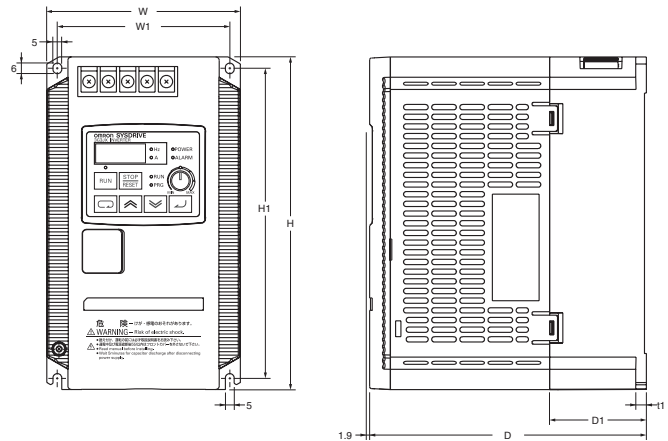### IP 20 type 0.2 to 7.5 kW

Figure 1

Figure 2

| Voltage class	Max. applicable motor output kW	Inverter model JX☐	Figure	Dimensions in mm							
				W1	H1	W	H	D	t1	D1	Weight
Single-phase 200 V	0.2	AB002	1	67	143	80	155	95.5	2.6	13	0.8
	0.4	AB004	1					109.5		27	0.9
	0.75	AB007	2	98	176	110	189	130.5		28	1.5
	1.5	AB015	2					157.5	6	55	2.3
	2.2	AB022	2								2.4
Three-phase 200 V	0.2	A2002	1	67	143	80	155	95.5	2.6	13	0.8
	0.4	A2004	1					109.5		27	0.9
	0.75	A2007	1					132.5		50	1.1
	1.5	A2015	2	98	176	110	189	157.5	6	55	2.2
	2.2	A2022	2								2.4
	3.7	A2037	2								
	5.5	A2055	2	164	235	180	250	167.5	1.6	77.5	4.2
	7.5	A2075	2								
Three-phase 400 V	0.4	A4004	2	98	176	110	189	130.5	2.6	28	1.5
	0.75	A4007	2					157.5	6	55	2.3
	1.5	A4015	2								2.4
	2.2	A4022	2								
	4.0	A4040	2								
	5.5	A4055	2	164	235	180	250	167.5	1.6	77.5	4.2
	7.5	A4075	2								

Rasmi footprint Filters

Filter only needed by the 1-phase 200V or 3-phase 400V to comply with C1 EMC class.
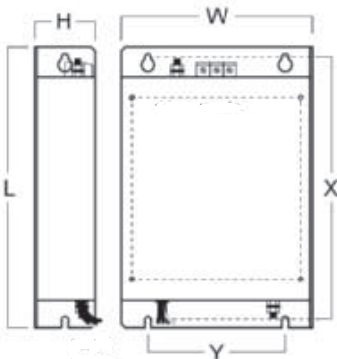
Rasmi model		Dimensions						Weight KG
		W	H	L	X	Y	M	
1x200 V	AX-FIJ1006-RE	81	40	193	183	57	M4	0.5
	AX-FIJ1010-RE	112	47	226	216	88	M4	0.6
	AX-FIJ1026-RE	112	47	226	216	88	M4	0.8
3x200 V	AX-FIJ2006-RE	81	50	193	183	57	M4	1.0
	AX-FIJ2020-RE	112	50	226	216	88	M4	1.3
	AX-FIJ2040-RE	182	55	289	279	150	M5	2.3
3x400 V	AX-FIJ3005-RE	112	45	226	216	88	M4	0.9
	AX-FIJ3011-RE	112	45	226	216	88	M4	1.1
	AX-FIJ3020-RE	182	45	289	279	150	M4	1.7

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Input AC Reactor
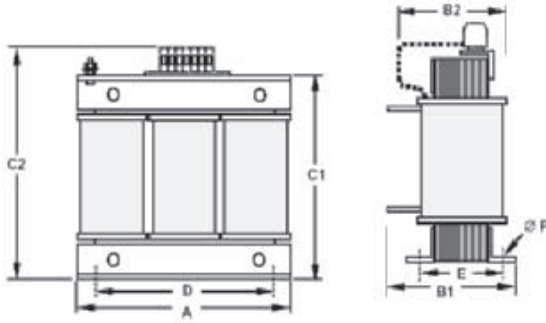
| Voltage | Reference | Dimensions | | | | | | Weight Kg |
		A	B2	C2	D	E	F	
200V	AX-RAI02800080-DE	120	70	120	80	52	5.5	1.78
	AX-RAI00880175-DE	120	80	120	80	62	5.5	2.35
	AX-RAI00350335-DE	180	85	190	140	55	6	5.5
400V	AX-RAI07700042-DE	120	70	120	80	52	5.5	1.78
	AX-RAI03500090-DE	120	80	120	80	62	5.5	2.35
	AX-RAI01300170-DE	120	80	120	80	62	5.5	2.50

DC Reactor
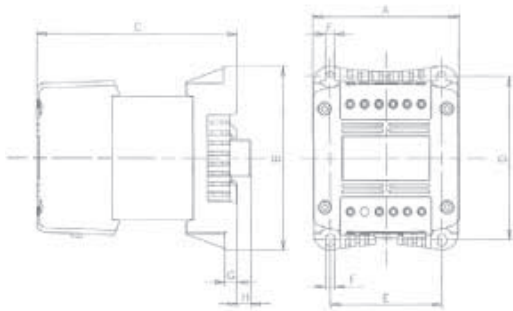
| Voltage | Reference | Dimensions | | | | | | | | Weight Kg |
		A	B	C	D	E	F	G	H	
200V	AX-RC21400016-DE	84	113	96	101	66	5	7.5	2	1.22
	AX-RC10700032-DE									
	AX-RC06750061-DE			105						1.60
	AX-RC03510093-DE									
	AX-RC02510138-DE			116						1.95
	AX-RC01600223-DE	108	135	124	120	82	6.5		9.5	3.20
	AX-RC01110309-DE	120	152	136	135	94	7	9.5	-	5.20
	AX-RC00840437-DE			146						6.00
400V	AX-RC43000020-DE	84	113	96	101	66	5	7.5	2	1.22
	AX-RC27000030-DE			105						1.60
	AX-RC14000047-DE									
	AX-RC10100069-DE			116						1.95
	AX-RC06400116-DE	108	135	133	120	82	6.5		9.5	3.70
	AX-RC04410167-DE	120	152	136	135	94	7	9.5	-	5.20
	AX-RC03350219-DE			146						6.00

Output AC Reactor
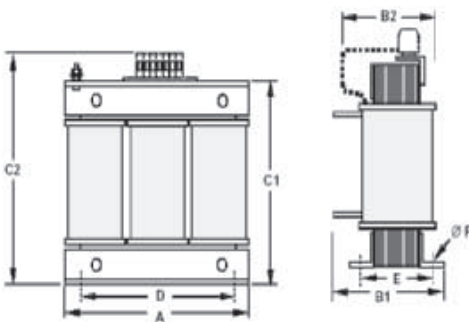
| Voltage | Reference | Dimensions | | | | | | Weight Kg |
		A	B2	C2	D	E	F	
200V	AX-RAO11500026-DE	120	70	120	80	52	5.5	1.78
	AX-RAO07600042-DE	120	70	120	80	52	5.5	1.78
	AX-RAO04100075-DE	120	80	120	80	62	5.5	2.35
	AX-RAO03000105-DE	120	80	120	80	62	5.5	2.35
	AX-RAO01830180-DE	180	85	190	140	55	6	5.5
	AX-RAO01150220-DE	180	85	190	140	55	6	5.5
	AX-RAO00950320-DE	180	85	205	140	55	6	6.5
400V	AX-RAO16300038-DE	120	70	120	80	52	5.5	1.78
	AX-RAO11800053-DE	120	80	120	80	52	5.5	2.35
	AX-RAO07300080-DE	120	80	120	80	62	5.5	2.35
	AX-RAO04600110-DE	180	85	190	140	55	6	5.5
	AX-RAO03600160-DE	180	85	205	140	55	6	6.5

Chokes
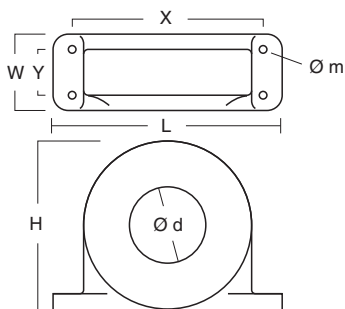
| Reference | D diameter | Motor KW | Dimensions | | | | | | Weight Kg |
			L	W	H	X	Y	m	
AX-FER2102-RE	21	< 2.2	85	22	46	70	-	5	0.1
AX-FER2515-RE	25	< 15	105	25	62	90	-	5	0.2

Installation

Standard connections

3-phase 200 V AC
1-phase 200 V AC
3-phase 400 V AC

Inverter

R (L1)
S (L2)
T/N (L3)

U/T1
V/T2
W/T3

Motor

For Source logic

P24
5   4.7 kΩ
4
3
2
1
PCS
L

Note:
To connect the DC reactor,
remove the short-circuit bar.

PD/+1
P/+   DC reactor

N/-

AL1
AL2   Relay output
AL0   Common

Frequency meter

AM
H   10 V DC
O

Frequency setting unit
1 to 2 kΩ

OI   10 kΩ
L   250 Ω

Power supply input
4 to 20 mA DC

11   RY

24 V DC

CM2
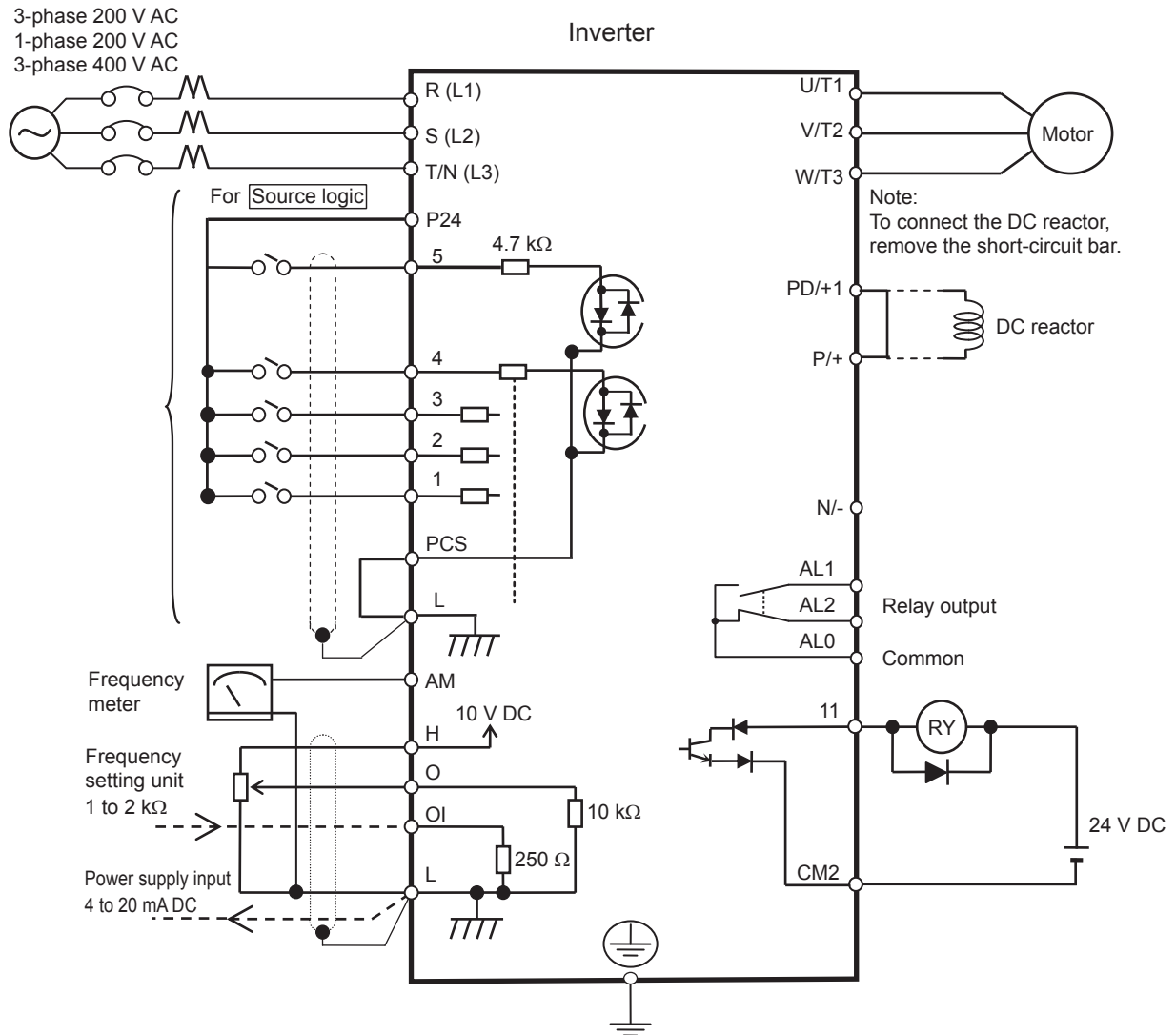
Terminal Block Specifications

| Terminal	Name	Function (signal level)
R/L1, S/L2, T/N/L3	Main circuit power supply input	Used to connect line power to the drive. Drives with single-phase 200 V input power use only terminals R/L1 and N (T/L3), terminal S/L2 is not available for these units
U/T1, V/T2, W/T3	Inverter output	Used to connect the motor
PD/+1, P/+	External DC reactor terminal	Normally connected by the short-circuit bar. Remove the short-circuit bar between +1 and P/+2 when a DC reactor is connected.
P/+, N/-	Regenerative braking unit connection terminal	Connect optional regenerative braking units (If a braking torque is required)
⏚	Grounding	For grounding (grounding should conform to the local grounding code.)

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Control Circuit

| Type	No.	Signal name	Function	Signal level
Digital input signals	**PCS**	Input power supply	External power supply terminal for input signal (input) ...At sink logic Internal power supply output terminal for input signal (output) ...At source logic	24 VDC ±10%
	P24	Internal 24 VDC	24 VDC internal power supply	24 VDC ±10% 30 mA
	1	Multi-function Input selection 1	Factory setting: Forward/ Stop	
	2	Multi-function Input selection 2	Factory setting: Reverse/ Stop	
	3	Multi-function Input selection 3	Factory setting: Fault reset	
	4	Multi-function Input selection 4	Factory setting: Emergency stop fault	
	5	Multi-function Input selection 5	Factory setting: Multi-step speed reference 1	
	L	Multi-function Input selection common	--	--
Analog input signal	**H**	Frequency reference power supply	10 VDC 10 mA max	
	O	Voltage frequency reference signal	0 to 10 VDC (10 KΩ)	
	OI	Current frequency reference signal	4 to 20 mA (250 Ω)	
	L	Frequency reference common	--	
Digital output signals	**AL2**	NC output	Factory default relay settings Under normal operation: AL2-AL0 Closed Under abnormal operation or power shutdown: AL1-AL0 Open	250 VAC 2.5 A 30 VDC 3 A
	AL1	NO output		250 VAC 1 A 30 VDC 1 A
	AL0	Relay Output common		
	11	Multi-function output terminal	Factory setting: Frequency arrival signal at a constant speed	27 VDC 50 mA max
	CM2	Output signal common	--	
Monitor Signal	**AM**	Analog frequency monitor/Analog output current monitor	Factory setting: Analog frequency monitor	0 to 10 VDC 1 mA

Side by side mounting
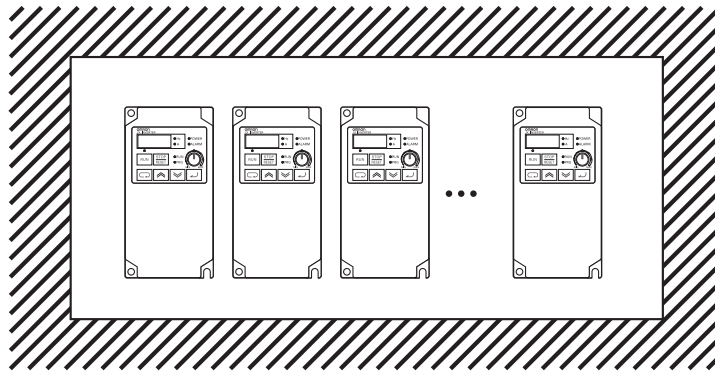
Input AC Reactor
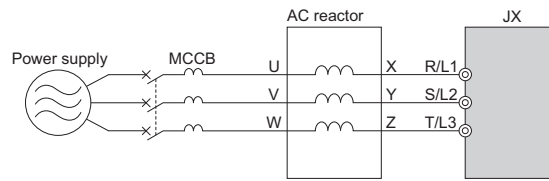
3 phase 200 V class				400 V class			
Max. applicable motor output kW	Reference	Current value A	Inductance mH	Max. applicable motor output kW	Reference	Current value A	Inductance mH
0.1 to 1.5	AX-RAI02800080-DE	8.0	2.8	0.4 to 1.5	AX-RAI07700042-DE	4.2	7.7
2.2 to 3.7	AX-RAI00880175-DE	17.5	0.88	2.2 to 4.0	AX-RAI03500090-DE	9.0	3.5
5.5 to 7.5	AX-RAI00350335-DE	33.5	0.35	5.5 to 7.5	AX-RAI01300170-DE	17.0	1.3

DC Reactor
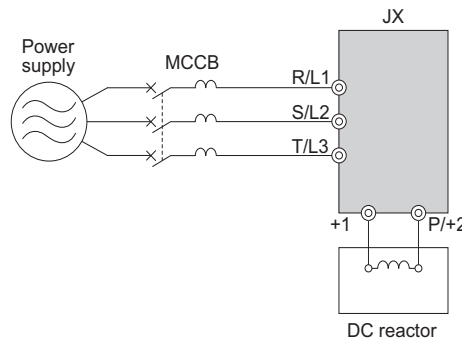
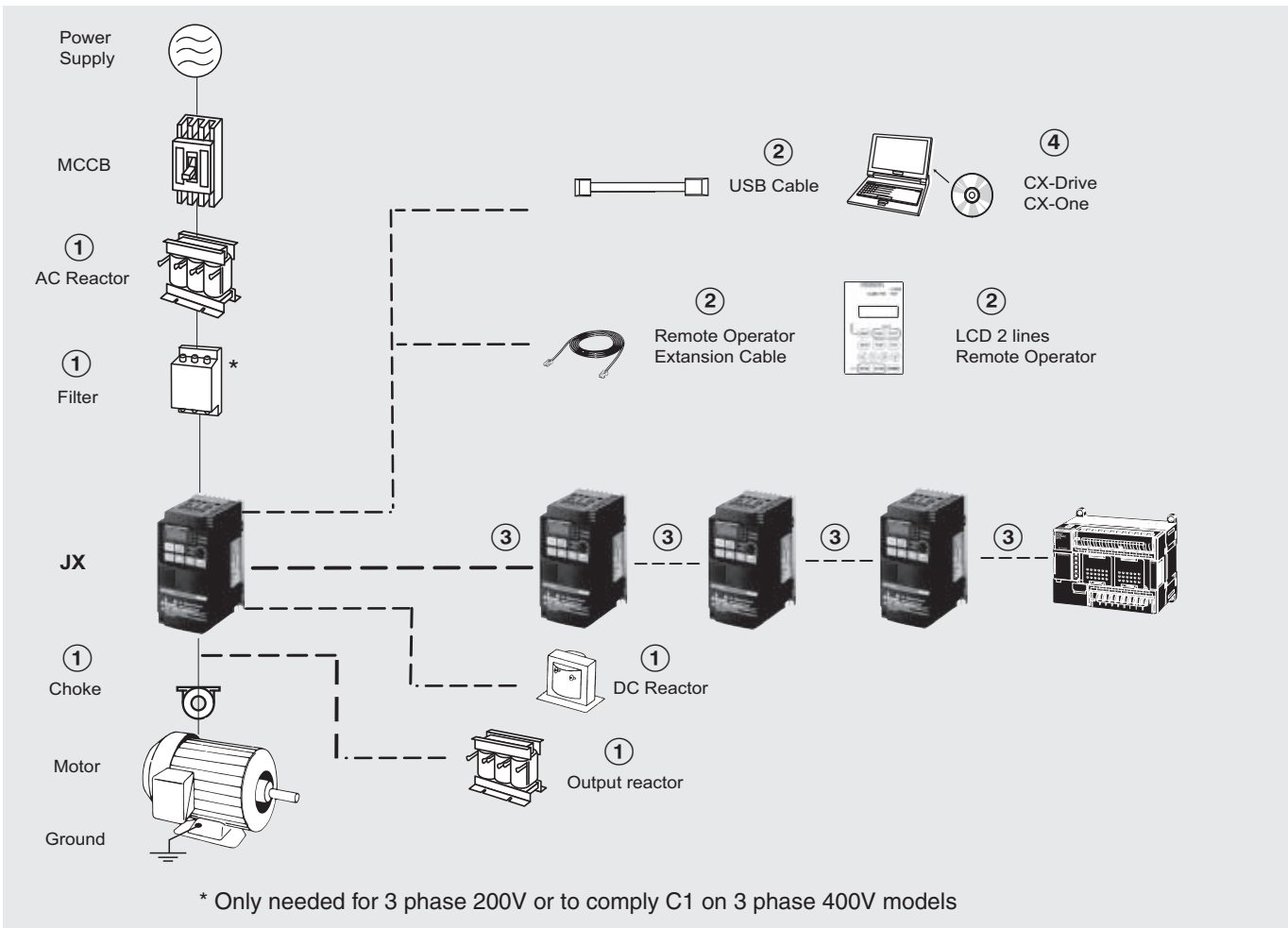| 200 V class				400 V class			
Max. applicable motor output kW	Reference	Current value A	Inductance mH	Max. applicable motor output kW	Reference	Current value A	Inductance mH
0.2	AX-RC21400016-DE	1.6	21.4		-		
0.4	AX-RC10700032-DE	3.2	10.7	0.4	AX-RC43000020-DE	2.0	43.0
0.7	AX-RC06750061-DE	6.1	6.75	0.7	AX-RC27000030-DE	3.0	27.0
1.5	AX-RC03510093-DE	9.3	3.51	1.5	AX-RC14000047-DE	4.7	14.0
2.2	AX-RC02510138-DE	13.8	2.51	2.2	AX-RC10100069-DE	6.9	10.1
3.7	AX-RC01600223-DE	22.3	1.60	4.0	AX-RC06400116-DE	11.6	6.40
5.5	AX-RC01110309-DE	30.9	1.11	5.5	AX-RC04410167-DE	16.7	4.41
7.5	AX-RC00840437-DE	43.7	0.84	7.5	AX-RC03350219-DE	21.9	3.35

Output AC Reactor

200 V class				400 V class			
Max. applicable motor output kW	Reference	Current value A	Inductance mH	Max. applicable motor output kW	Reference	Current value A	Inductance mH
0.1 to 0.4	AX-RAO11500026-DE	2.6	11.50	0.4 to 1.5	AX-RAO16300038-DE	3.8	16.30
0.75	AX-RAO07600042-DE	4.2	7.60	2.2	AX-RAO11800053-DE	5.3	11.80
1.5	AX-RAO04100075-DE	7.5	4.10	4.0	AX-RAO07300080-DE	8.0	7.30
2.2	AX-RAO03000105-DE	10.5	3.00	5.5	AX-RAO04600110-DE	11.0	4.60
3.7	AX-RAO01830160-DE	16.0	1.83	7.5	AX-RAO03600160-DE	16.0	3.60
5.5	AX-RAO01150220-DE	22.0	1.15				
7.5	AX-RAO00950320-DE	32.0	0.95				

OMRON

Ordering information

Power Supply

MCCB

① AC Reactor

① Filter *

JX

① Choke

Motor

Ground

② USB Cable

④ CX-Drive CX-One

② Remote Operator Extansion Cable

② LCD 2 lines Remote Operator

③ ③ ③ ③

① DC Reactor

① Output reactor

* Only needed for 3 phase 200V or to comply C1 on 3 phase 400V models

JX

Specifications			Model
Voltage class	Max. applicable motor output kW	Rated output current (A)	Standard
Single-phase 200 V	0.2	1.4	JX-AB002-EF
	0.4	2.6	JX-AB004-EF
	0.75	4	JX-AB007-EF
	1.5	7.1	JX-AB015-EF
	2.2	10	JX-AB022-EF
Three-phase 200 V	0.2	1.4	JX-A2002-E
	0.4	2.6	JX-A2004-E
	0.75	4	JX-A2007-E
	1.5	7.1	JX-A2015-E
	2.2	10	JX-A2022-E
	3.7	15.9	JX-A2037-E
	5.5	24	JX-A2055-E
	7.5	32	JX-A2075-E
Three-phase 400 V	0.4	1.5	JX-A4004-EF
	0.75	2.5	JX-A4007-EF
	1.5	3.8	JX-A4015-EF
	2.2	5.5	JX-A4022-EF
	4.0	8.6	JX-A4040-EF
	5.5	13	JXA4055-EF
	7.5	16	JXA4075-EF

① Line filters

Inverter		Line filter Rasmi		
Voltage	Model JX-☐	Reference	Rated current (A)	Weight (kg)
1-Phase 200 VAC	AB002 / AB004	AX-FIJ1006-RE	6	0.5
	AB007	AX-FIJ1010-RE	10	0.6
	AB015 / AB022	AX-FIJ1026-RE	26	0.8
3-Phase 200 VAC	A2002 / A2004 / A2007	AX-FIJ2006-RE	6	1.0
	A2015 / A2022 / A2037	AX-FIJ2020-RE	20	1.3
	A2055 / A2075	AX-FIJ2040-RE	40	2.3
3-Phase 400 VAC	A4004 / A4007 /A4015	AX-FIJ3005-RE	5	0.9
	A4022 /A4040	AX-FIJ3011-RE	11	1.1
	A4055 / A4075	AX-FIJ3020-RE	20	1.7

① Input AC Reactors

Inverter		AC Reactor
Voltage	Model JX-☐	Reference
3-Phase 200 VAC	A2002 / A2004 / A2007	AX-RAI02800080-DE
	A2015 / A2022 / A2037	AX-RAI00880175-DE
	A2055 / A2075	AX-RAI00350335-DE
1-Phase 200 VAC	AB002 / AB004	Under development
	AB007	
	AB015 / AB022	
3-Phase 400 VAC	A4004 / A4007 / A4015	AX-RAI07700042-DE
	A4022 / A4040	AX-RAI03500090-DE
	A4055 / A4075	AX-RAI01300170-DE

① DC Reactors

200V single phase		200V 3-phase		400V 3-phase	
Inverter	DC Reactor	Inverter	DC Reactor	Inverter	DC Reactor
JX-AB002	AX-RC10700032-DE	JX-A2002	AX-RC21400016-DE		-
JX-AB004	AX-RC06750061-DE	JX-A2004	AX-RC10700032-DE	JX-A4004	AX-RC43000020-DE
JX-AB007	AX-RC03510093-DE	JX-A2007	AX-RC06750061-DE	JX-A4007	AX-RC27000030-DE
JX-AB015	AX-RC02510138-DE	JX-A2015	AX-RC03510093-DE	JX-A4015	AX-RC14000047-DE
JX-AB022	AX-RC01600223-DE	JX-A2022	AX-RC02510138-DE	JX-A4022	AX-RC10100069-DE
-		JX-A2037	AX-RC01600223-DE	JX-A4040	AX-RC06400116-DE
		JX-A2055	AX-RC01110309-DE	JX-A4055	AX-RC04410167-DE
		JX-A2075	AX-RC00840437-DE	JX-A4075	AX-RC03350219-DE

① Chokes

Model	Diameter	Description
AX-FER2102-RE	21	For 2.2 KW motors or below
AX-FER2515-RE	25	For 7.5 KW motors or below

② Accessories

Types	Model	Description	Functions
Digital operator	3G3AX-OP05	LCD remote operator	2 Line LCD remote operator with copy function, cable length max. 3m.
	3G3AX-CAJOP300-EE	Remote operator cable	3 meters cable for connecting remote operator
Accessories	3G3AX-PCACN2	USB converter / USB cable	RJ45 to USB connection cable
	3G3AX-CTB020-EE	RJ45 T-Branch cable	T cable for RS-422 connection

④ Computer software

Types	Model	Description	Installation
Software	CX-drive	Computer software	Configuration and monitoring software tool
	CX-One	Computer software	Configuration and monitoring software tool

① Output AC Reactors

Inverter		AC Reactor
Voltage	Model JX-☐	Reference
200 VAC	A2001 / A2002 / A2004 AB001 / AB002 / AB004	AX-RAO11500026-DE
	A2007/AB007	AX-RAO07600042-DE
	A2015 / AB015	AX-RAO04100075-DE
	A2022 / AB022	AX-RAO03000105-DE
	A2037	AX-RAO01830160-DE
	A2055	AX-RAO01150220-DE
	A2075	AX-RAO00950320-DE
400 VAC	A4004 / A4007 / A4015	AX-RAO16300038-DE
	A4022	AX-RAO11800053-DE
	A4040	AX-RAO07300080-DE
	A4055	AX-RAO04600110-DE
	A4075	AX-RAO03600160-DE

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. I110E-EN-01B   In the interest of product improvement, specifications are subject to change without notice.

JX   15

OMRON

Automation Systems
• Programmable logic controllers (PLC) • Human machine interfaces (HMI) • Remote I/O
• Industrial PC's • Software

Motion & Drives
• Motion controllers • Servo systems • Inverters

Control Components
• Temperature controllers • Power supplies • Timers • Counters • Programmable relays
• Digital panel indicators • Electromechanical relays • Monitoring products • Solid-state relays
• Limit switches • Pushbutton switches • Low voltage switch gear

Sensing & Safety
• Photoelectric sensors • Inductive sensors • Capacitive & pressure sensors
• Cable connectors • Displacement & width-measuring sensors • Vision systems
• Safety networks • Safety sensors • Safety units/relay units • Safety door/guard lock switches

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