

Compatibility of products subject to model changes

● Motor pump (M8A1X)

Model code of currently used product	Installation compatibility with current design (No. 50 or No. 60)	Model code of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes
M8A1X-05-10	Compatible	V8A1RXT-10	V8A1RXT-20	-	*1
M8A1X-05-20	Compatible	V8A1RX-10	V8A1RX-20	SP1967-041RE	
M8A1X-05-40	Compatible	V8A1RX-20			
M8A1X-1-10	Compatible	V8A1RXT-10	V8A1RXT-20	-	*1
M8A1X-1-20	Compatible	V8A1RX-10	V8A1RX-20	PP03832-1E	
M8A1X-1-30	Compatible				
M8A1X-1-35	Compatible	V8A1RX-20			
M8A1X-1-40	Compatible				
M8A1X-1-50	Compatible				
M8A1X-2-10	Compatible	V8A1RXT-10	V8A1RXT-20	-	*1
M8A1X-2-20	Compatible	V8A1RX-10	V8A1RX-20	PP03817-151E	
M8A1X-2-40	Compatible	V8A1RX-20			
M8A1X-2-50	Compatible				

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Note: *1 Design No. 10 uses a tongue shaft pump and, accordingly, a tongue shaft type motor is used. Since the motor is not compatible with the motor (key shaft type) used in the current design, it is not possible to replace the motor alone. When replacing the pump alone, use V8A1RXT-20.

Note: The motor and pump are directly coupled. If it is difficult to decouple them, replace them as a set.

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M8A1X-05	M8A1X-1	M8A1X-2	Details of changes from the previous design
10	✓	✓	✓	
20	✓	✓	✓	Pump changed (from tongue shaft to key shaft), motor changed (to key shaft type)
30	-	✓	-	Motor changed (installation compatibility provided)
35	-	✓	-	Pump design changed: 10 → 20
40	✓	✓	✓	M8A1X-05, -2: Pump design changed: 10 → 20
				M8A1X-1: Motor changed (installation compatibility provided)
50	✓	✓	✓	Motor changed (installation compatibility provided)
60	-	✓	✓	Motor changed (IE1→IE3)

Refer to Page A-68 for the time line of pump design numbers.

Contact Details

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Compatibility of products subject to model changes

● Motor pump (M15A※)

Model code of currently used product	Installation compatibility with current design (No. 100)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes
M15A※-1-20	Not compatible	10	V15A※R-95	PP03834-1E	*1
M15A※-1-30	Partly compatible	40			
M15A※-1-40	Compatible	80			
M15A※-1-45	Compatible	85			
M15A※-1-50	Compatible				
M15A※-1-60	Compatible	95			
M15A※-1-90	Compatible				
M15A※-2-20	Not compatible	10	V15A※R-95	PP03818-151E	*1
M15A※-2-30	Partly compatible	40			
M15A※-2-40	Compatible	80			
M15A※-2-45	Compatible	85			
M15A※-2-50	Compatible				
M15A※-2-60	Compatible	95			
M15A※-2-65	Compatible	85			
M15A※-2-70	Compatible	95			
M15A※-2-90	Compatible				
M15A※-3-20	Not compatible	10	V15A※R-95	PP03818-221E	*1
M15A※-3-30	Partly compatible	40			
M15A※-3-40	Compatible	80			
M15A※-3-45	Compatible	85			
M15A※-3-50	Compatible				
M15A※-3-60	Compatible	95			
M15A※-3-90	Compatible				
M15A※-5-20	Not compatible	10	V15A※R-95	PP03818-371E	*1
M15A※-5-30	Partly compatible	40			
M15A※-5-40	Compatible	80			
M15A※-5-45	Compatible	85			
M15A※-5-50	Compatible				
M15A※-5-60	Compatible	95			
M15A※-5-80	Compatible				
M15A※-5-90	Compatible				

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Partly compatible: Installation compatibility provided (Some piping needs to be corrected.)

Not compatible: Installation compatibility not provided

Note: *1 Pump designs prior to design No. 40 use different sealing methods to the current design and therefore the piping needs to be changed.

Previous: Bonded seal → Current: O-ring boss

Note: The motor and pump are directly coupled. If it is difficult to decouple them, replace them as a set.

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M15A※-1	M15A※-2	M15A※-3	M15A※-5	Details of changes from the previous design
20	✓	✓	✓	✓	
30	✓	✓	✓	✓	Pump design changed: 10 → 40, motor changed
40	✓	✓	✓	✓	Pump design changed: 40 → 80, motor changed (installation compatibility provided)
45	✓	✓	✓	✓	Pump design changed: 80 → 85
50	✓	✓	✓	✓	Motor changed (installation compatibility provided)
60	✓	✓	✓	✓	Pump design changed: 85 → 95
65	–	✓	–	–	Motor changed (installation compatibility provided), pump design No. 85 adopted
70	–	✓	–	–	Pump design changed: 85 → 95, motor changed (installation compatibility provided)
80	–	–	–	✓	Motor changed (installation compatibility provided)
90	✓	✓	✓	✓	Motor changed (installation compatibility provided)
100	✓	✓	✓	✓	Motor change (1E1→1E3)

Refer to Page A-69 for the time line of pump design numbers.

Compatibility of products subject to model changes

● Motor pump (M15A×X)

Model code of currently used product	Installation compatibility with current design (No. 100)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes
M15A×X-1-20	Not compatible	10	V15A×RX-95	PP03834-1E	*1
M15A×X-1-30	Partly compatible	40			
M15A×X-1-40	Compatible	80			
M15A×X-1-45	Compatible	85			
M15A×X-1-50	Compatible				
M15A×X-1-60	Compatible	95			
M15A×X-1-90	Compatible				
M15A×X-2-20	Not compatible	10	V15A×RX-95	PP03818-151E	*1
M15A×X-2-30	Partly compatible	40			
M15A×X-2-40	Compatible	80			
M15A×X-2-45	Compatible	85			
M15A×X-2-50	Compatible				
M15A×X-2-60	Compatible	95			
M15A×X-2-65	Compatible	85			
M15A×X-2-70	Compatible	95			
M15A×X-2-90	Compatible				
M15A×X-3-20	Not compatible	10	V15A×RX-95	PP03818-221E	*1
M15A×X-3-30	Partly compatible	40			
M15A×X-3-40	Compatible	80			
M15A×X-3-45	Compatible	85			
M15A×X-3-50	Compatible				
M15A×X-3-60	Compatible	95			
M15A×X-3-90	Compatible				
M15A×X-5-20	Not compatible	10	V15A×RX-95	PP03818-371E	*1
M15A×X-5-30	Partly compatible	40			
M15A×X-5-40	Compatible	80			
M15A×X-5-45	Compatible	85			
M15A×X-5-50	Compatible				
M15A×X-5-60	Compatible	95			
M15A×X-5-80	Compatible				
M15A×X-5-90	Compatible				

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Partly compatible: Installation compatibility provided (Some piping needs to be corrected.)

Not compatible: Installation compatibility not provided

Note: *1 Pump designs prior to design No. 40 use different sealing methods to the current design and therefore the piping needs to be changed.

Previous: Bonded seal → Current: O-ring

Note: The motor and pump are directly coupled. If it is difficult to decouple them, replace them as a set.

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M15A×X-1	M15A×X-2	M15A×X-3	M15A×X-5	Details of changes from the previous design
20	✓	✓	✓	✓	
30	✓	✓	✓	✓	Pump design changed: 10 → 40, motor changed
40	✓	✓	✓	✓	Pump design changed: 40 → 80, motor changed (installation compatibility provided)
45	✓	✓	✓	✓	Pump design changed: 80 → 85
50	✓	✓	✓	✓	Motor changed (installation compatibility provided)
60	✓	✓	✓	✓	Pump design changed: 85 → 95
65	–	✓	–	–	Motor changed (installation compatibility provided), pump design No. 85 adopted
70	–	✓	–	–	Pump design changed: 85 → 95, motor changed (installation compatibility provided)
80	–	–	–	✓	Motor changed (installation compatibility provided)
90	✓	✓	✓	✓	Motor changed (installation compatibility provided)
100	✓	✓	✓	✓	Motor change (IE1→IE3)

Refer to Page A-69 for the time line of pump design numbers.

Contact Details

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Compatibility of products subject to model changes

● Motor pump (M15A1Y)

Model code of currently used product	Installation compatibility with current design (No. 100)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes
M15A1Y-1-45	Compatible	85	V15A1RY-95	PP03834-1E	
M15A1Y-1-50	Compatible				
M15A1Y-1-60	Compatible	95			
M15A1Y-1-90	Compatible				
M15A1Y-2-45	Compatible	85	V15A1RY-95	PP03818-151E	
M15A1Y-2-50	Compatible				
M15A1Y-2-60	Compatible	95			
M15A1Y-2-65	Compatible	85			
M15A1Y-2-70	Compatible	95			
M15A1Y-2-90	Compatible				
M15A1Y-3-45	Compatible	85	V15A1RY-95	PP03818-221E	
M15A1Y-3-50	Compatible				
M15A1Y-3-60	Compatible	95			
M15A1Y-3-90	Compatible				
M15A1Y-5-45	Compatible	85	V15A1RY-95	PP03818-371E	
M15A1Y-5-50	Compatible				
M15A1Y-5-60	Compatible	95			
M15A1Y-5-80	Compatible				
M15A1Y-5-90	Compatible				

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Note: The motor and pump are directly coupled. If it is difficult to decouple them, replace them as a set.

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M15A×Y-1	M15A×Y-2	M15A×Y-3	M15A×Y-5	Details of changes from the previous design
45	✓	✓	✓	✓	
50	✓	✓	✓	✓	Motor changed (installation compatibility provided)
60	✓	✓	✓	✓	Pump design changed: 85 → 95
65	–	✓	–	–	Motor changed (installation compatibility provided), pump design No. 85 adopted
70	–	✓	–	–	Pump design changed: 85 → 95, motor changed (installation compatibility provided)
80	–	–	–	✓	Motor changed (installation compatibility provided)
90	✓	✓	✓	✓	Motor changed (installation compatibility provided)
100	✓	✓	✓	✓	Motor change (IE1→IE3)

Refer to Page A-69 for the time line of pump design numbers.

Compatibility of products subject to model changes

● Motor pump (M23A※)

Model code of currently used product	Installation compatibility with current design (No. 70)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes	
M23A※-3-30	Partly compatible	20	V23A※R-30	PP03819-221E	*1	
M23A※-3-40	Compatible	30			V23A※R-30	PP03819-221E
M23A※-3-50	Compatible					
M23A※-3-60	Compatible					
M23A※-5-30	Partly compatible	20	V23A※R-30	PP03819-371E	*1	
M23A※-5-40	Compatible	30			V23A※R-30	PP03819-371E
M23A※-5-50	Compatible					
M23A※-5-60	Compatible					
M23A※-7-30	Partly compatible	20	V23A※R-30	PP03819-551E	*1	
M23A※-7-40	Compatible	30			V23A※R-30	PP03819-551E
M23A※-7-60	Compatible					
Model code of currently used product	Installation compatibility with current design (No. 70)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes	
M23A※X-3-30	Partly compatible	20	V23A※RX-30	PP03819-221E	*1	
M23A※X-3-40	Compatible	30			V23A※RX-30	PP03819-221E
M23A※X-3-50	Compatible					
M23A※X-3-60	Compatible					
M23A※X-5-30	Partly compatible	20	V23A※RX-30	PP03819-371E	*1	
M23A※X-5-40	Compatible	30			V23A※RX-30	PP03819-371E
M23A※X-5-50	Compatible					
M23A※X-5-60	Compatible					
M23A※X-7-30	Partly compatible	20	V23A※RX-30	PP03819-551E	*1	
M23A※X-7-40	Compatible	30			V23A※RX-30	PP03819-551E
M23A※X-7-60	Compatible					

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Partly compatible: Installation compatibility provided (Some piping needs to be corrected.)

Note: *1 Pump designs prior to design No. 20 use different sealing methods to the current design and therefore the piping needs to be changed.

Previous: Bonded seal → Current: O-ring boss

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M23A※-3	M23A※-5	M23A※-7	Details of changes from the previous design
30	✓	✓	✓	
40	✓	✓	✓	Pump design changed: 20 → 30
50	✓	✓	—	Motor changed (installation compatibility provided)
60	✓	✓	✓	Motor changed (installation compatibility provided)
70	✓	✓	✓	Motor change (IE1→IE3)

(✓: Models with actual production history)

Design No.	M23A※X-3	M23A※X-5	M23A※X-7	Details of changes from the previous design
30	✓	✓	✓	
40	✓	✓	✓	Pump design changed: 20 → 30
50	✓	✓	—	Motor changed (installation compatibility provided)
60	✓	✓	✓	Motor changed (installation compatibility provided)
70	✓	✓	✓	Motor change (IE1→IE3)

Refer to Page A-70 for the time line of pump design numbers.

Compatibility of products subject to model changes

● Motor pump (M38A)

Model code of currently used product	Installation compatibility with current design (No. 80)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes
M38A×-3-20	Not compatible	10	V38A×R-95	PP03819-221E	
M38A×-3-30	Partly compatible	50			*1
M38A×-3-31	Partly compatible				*1
M38A×-3-40	Compatible	80			
M38A×-3-50	Compatible	95			
M38A×-3-60	Compatible				
M38A×-3-70	Compatible				
M38A×-5-20	Not compatible	10	V38A×R-95	PP03819-371E	
M38A×-5-30	Partly compatible	50			*1
M38A×-5-31	Partly compatible				*1
M38A×-5-40	Compatible	80			
M38A×-5-50	Compatible	95			
M38A×-5-60	Compatible				
M38A×-5-70	Compatible				
M38A×-7-20	Not compatible	10	V38A×R-95	PP03819-551E	
M38A×-7-31	Partly compatible	50			*1
M38A×-7-40	Compatible	80			
M38A×-7-50	Compatible	95			
M38A×-7-70	Compatible				
M38A×-10-40	Compatible	80	V38A×R-95	PP03819-751E	
M38A×-10-50	Compatible	95			
M38A×-10-70	Compatible				

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Partly compatible: Installation compatibility provided (Some piping needs to be corrected.)

Not compatible: Installation compatibility not provided

Note: *1 Pump designs prior to design No. 50 use different sealing methods to the current design and therefore the piping needs to be changed.

Previous: Bonded seal → Current: O-ring boss

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M38A×-3	M38A×-5	M38A×-7	M38A×-10	Details of changes from the previous design
20	✓	✓	✓	✓	
30	✓	✓	✓	✓	Pump design changed: 10 → 50
31	✓	✓	✓	✓	Motor changed (installation compatibility provided)
40	✓	✓	✓	✓	Pump design changed: 50 → 80
50	✓	✓	✓	✓	Pump design changed: 80 → 95
60	✓	✓	–	–	Motor changed (installation compatibility provided)
70	✓	✓	✓	✓	Motor changed (installation compatibility provided)
80	✓	✓	✓	✓	Motor change (IE1→IE3)

Refer to Page A-70 for the time line of pump design numbers.

Compatibility of products subject to model changes

● Motor pump (M38A×X)

Model code of currently used product	Installation compatibility with current design (No. 80)	Design number of pump equipped	Procurement code when replacing the pump alone	Procurement code when replacing the motor alone	Notes
M38A×X-3-20	Not compatible	10	V38A×RX-95	PP03819-221E	
M38A×X-3-30	Partly compatible	50			*1
M38A×X-3-31	Partly compatible				*1
M38A×X-3-40	Compatible	80			
M38A×X-3-50	Compatible	95			
M38A×X-3-60	Compatible				
M38A×X-3-70	Compatible				
M38A×X-5-20	Not compatible	10	V38A×RX-95	PP03819-371E	
M38A×X-5-30	Partly compatible	50			*1
M38A×X-5-31	Partly compatible				*1
M38A×X-5-40	Compatible	80			
M38A×X-5-50	Compatible	95			
M38A×X-5-60	Compatible				
M38A×X-5-70	Compatible				
M38A×X-7-20	Not compatible	10	V38A×RX-95	PP03819-551E	
M38A×X-7-31	Partly compatible	50			*1
M38A×X-7-40	Compatible	80			
M38A×X-7-50	Compatible	95			
M38A×X-7-70	Compatible				
M38A×X-10-40	Compatible	80	V38A×RX-95	PP03819-751E	
M38A×X-10-50	Compatible	95			
M38A×X-10-70	Compatible				

The compatibility is indicated in the table as follows:

Compatible: Installation compatibility provided (The external dimensions differ.)

Partly compatible: Installation compatibility provided (Some piping needs to be corrected.)

Not compatible: Installation compatibility not provided

Note: *1 Pump designs prior to design No. 50 use different sealing methods to the current design and therefore the piping needs to be changed.

Previous: Bonded seal → Current: O-ring boss

<Time line of design numbers>

(✓: Models with actual production history)

Design No.	M38A×X-3	M38A×X-5	M38A×X-7	M38A×X-10	Details of changes from the previous design
20	✓	✓	✓	✓	
30	✓	✓	✓	✓	Pump design changed: 10 → 50
31	✓	✓	✓	✓	Motor changed (installation compatibility provided)
40	✓	✓	✓	✓	Pump design changed: 50 → 80
50	✓	✓	✓	✓	Pump design changed: 80 → 95
60	✓	✓	–	–	Motor changed (installation compatibility provided)
70	✓	✓	✓	✓	Motor changed (installation compatibility provided)
80	✓	✓	✓	✓	Motor change (IE1→IE3)

Refer to Page A-70 for the time line of pump design numbers.