For latest information, PDF catalogs and operation manuals

Compatibility of products subject to model changes

Motor pump (M8A1X)

motor pamp (mo	,				
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	V044DV 00	CD4067 044DE	
M8A1X-05-40	Compatible	V8A1RX-20	V8A1RX-20	SP1967-041RE	
M8A1X-1-10	Compatible	V8A1RXT-10	V8A1RXT-20	_	*1
M8A1X-1-20	Compatible	\(\(\alpha\) \(\alpha\)			
M8A1X-1-30	Compatible	V8A1RX-10	V8A1RX-20	PP03832-1E	
M8A1X-1-35	Compatible				
M8A1X-1-40	Compatible	V8A1RX-20			
M8A1X-1-50	Compatible				
M8A1X-2-10	Compatible	V8A1RXT-10	V8A1RXT-20	_	*1
M8A1X-2-20	Compatible	V8A1RX-10			
M8A1X-2-40	Compatible	V044DV 00	V8A1RX-20	PP03817-151E	
M8A1X-2-50	Compatible	V8A1RX-20			

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: $10 \rightarrow 20$
40	√			M8A1X-05, -2: Pump design changed: $10 \rightarrow 20$
40	•	•	√	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.

For latest information, PDF catalogs and operation manuals

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			
M15A×-1-30	Partly compatible	40			*1
M15A×-1-40	Compatible	80			
M15A*-1-45	Compatible	85	V15A×R-95	PP03834-1E	
M15A×-1-50	Compatible	60			
M15A×-1-60	Compatible	95			
M15A×-1-90	Compatible	95			
M15A*-2-20	Not compatible	10			
M15A×-2-30	Partly compatible	40			*1
M15A×-2-40	Compatible	80			
M15A×-2-45	Compatible	0.E			
M15A*-2-50	Compatible	00	85 V15A×R-95		
M15A×-2-60	Compatible	95			
M15A×-2-65	Compatible	85			
M15A×-2-70	Compatible	95			
M15A×-2-90	Compatible	95			
M15A*-3-20	Not compatible	10			
M15A*-3-30	Partly compatible	40			*1
M15A*-3-40	Compatible	80			
M15A*-3-45	Compatible	85	V15A×R-95	PP03818-221E	
M15A×-3-50	Compatible	00			
M15A×-3-60	Compatible	95			
M15A×-3-90	Compatible	95			
M15A×-5-20	Not compatible	10			
M15A×-5-30	Partly compatible	40			*1
M15A×-5-40	Compatible	80			
M15A×-5-45	Compatible	85	V15A*R-95	PP03818-371E	
M15A×-5-50	Compatible	00	V 10A×K-90	FFU3010-3/1E	
M15A×-5-60	Compatible				
M15A×-5-80	Compatible	95			
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: $10 \rightarrow 40$, motor changed
40	✓	✓	✓	✓	Pump design changed: 40 → 80, motor changed (installation compatibility provided)
45	✓	✓	✓	✓	Pump design changed: $80 \rightarrow 85$
50	✓	✓	✓	✓	Motor changed (installation compatibility provided)
60	✓	✓	✓	✓	Pump design changed: $85 \rightarrow 95$
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 (M15A×X)

wotor pump (W15	Installation		Procurement code	Procurement code	
Model code of currently used product	compatibility with current design (No. 100)	Design number of pump equipped	when replacing the pump alone	when replacing the motor alone	Notes
M15A×X-1-20	Not compatible	10			
M15A*X-1-30	Partly compatible	40	1		*1
M15A×X-1-40	Compatible	80			
M15A*X-1-45	Compatible	0.5	V15A*RX-95	PP03834-1E	
M15A×X-1-50	Compatible	85			
M15A*X-1-60	Compatible	95]		
M15A×X-1-90	Compatible	95			
M15A*X-2-20	Not compatible	10			
M15A×X-2-30	Partly compatible	40			*1
M15A×X-2-40	Compatible	80			
M15A×X-2-45	Compatible	85		PP03818-151E	
M15A*X-2-50	Compatible	00	V15A*RX-95		
M15A×X-2-60	Compatible	95			
M15A×X-2-65	Compatible	85			
M15A×X-2-70	Compatible	95			
M15A×X-2-90	Compatible	90			
M15A×X-3-20	Not compatible	10			
M15A×X-3-30	Partly compatible	40			*1
M15A×X-3-40	Compatible	80			
M15A×X-3-45	Compatible	85	V15A×RX-95	PP03818-221E	
M15A×X-3-50	Compatible	00			
M15A×X-3-60	Compatible	95			
M15A×X-3-90	Compatible	90			
M15A×X-5-20	Not compatible	10			
M15A×X-5-30	Partly compatible	40			*1
M15A×X-5-40	Compatible	80			
M15A×X-5-45	Compatible	85	V15A*RX-95	PP03818-371E	
M15A×X-5-50	Compatible	00	V 10A×RA-90	FF03010-3/1E	
M15A×X-5-60	Compatible				
M15A×X-5-80	Compatible	95			
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: $40 \rightarrow 80$, motor changed (installation compatibility provided)
45	✓	✓	✓	✓	Pump design changed: $80 \rightarrow 85$
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: $85 \rightarrow 95$, 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.

For latest information, PDF catalogs and operation manuals

Compatibility of products subject to model changes

Motor pump (M15A1Y)

• motor pump (mio	,				
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			
M15A1Y-1-50	Compatible	00	V15A1RY-95	PP03834-1E	
M15A1Y-1-60	Compatible	95	V 15A1K 1-95	PP03034-1E	
M15A1Y-1-90	Compatible	95			
M15A1Y-2-45	Compatible	0.5			
M15A1Y-2-50	Compatible	85			
M15A1Y-2-60	Compatible	95		DD03040 4545	
M15A1Y-2-65	Compatible	V15A1RY-95 PP03818-151E			
M15A1Y-2-70	Compatible	95			
M15A1Y-2-90	Compatible	95			
M15A1Y-3-45	Compatible	0.5			
M15A1Y-3-50	Compatible	85	V15A1RY-95	PP03818-221E	
M15A1Y-3-60	Compatible	95	V 15A1R1-95	PP03818-221E	
M15A1Y-3-90	Compatible	95			
M15A1Y-5-45	Compatible	85			
M15A1Y-5-50	Compatible	00			
M15A1Y-5-60	Compatible		V15A1RY-95	PP03818-371E	
M15A1Y-5-80	Compatible	95			
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: $85 \rightarrow 95$
65	_	✓	-	-	Motor changed (installation compatibility provided), pump design No. 85 adopted
70	_	✓	-	-	Pump design changed: $85 \rightarrow 95$, 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*)

• Motor pullip (M25)	A)				
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			*1
M23A×-3-40	Compatible		V23A×R-30 PP03819-221E		
M23A×-3-50	Compatible	30	V23A*R-30	PP03819-221E	
M23A×-3-60	Compatible				
M23A×-5-30	Partly compatible	20			*1
M23A×-5-40	Compatible		V00A×D 00	DD00040 074E	
M23A×-5-50	Compatible	30	V23A×R-30	PP03819-371E	
M23A×-5-60	Compatible				
M23A×-7-30	Partly compatible	20			*1
M23A×-7-40	Compatible	00	V23A×R-30	PP03819-551E	
M23A×-7-60	Compatible	30			
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			*1
M23A*X-3-40	Compatible		VOOAWDV OO	DD00040 004E	
M23A*X-3-50	Compatible	30	V23A*RX-30	PP03819-221E	
M23A*X-3-60	Compatible				
M23A×X-5-30	Partly compatible	20			*1
M23A×X-5-40	Compatible		\(\(\text{OO}\) \(\text{A}\) \(\text{OO}\)	DD00040 0745	
M23A×X-5-50	Compatible	30	V23A*RX-30	PP03819-371E	
M23A×X-5-60	Compatible				
M23A×X-7-30	Partly compatible	20			*1
M23A*X-7-40	Compatible	00	V23A*RX-30	PP03819-551E	
M23A*X-7-60	Compatible	30			

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)

<u> </u>	· ·			
Design No.	M23A×X-3	M23A*X-5	M23A*X-7	Details of changes from the previous design
30	✓	✓	✓	
40	✓	✓	✓	Pump design changed: $20 \rightarrow 30$
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.

For latest information, PDF catalogs and operation manuals

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			
M38A×-3-30	Partly compatible	50			*1
M38A×-3-31	Partly compatible	50			*1
M38A*-3-40	Compatible	80	V38A×R-95	PP03819-221E	
M38A×-3-50	Compatible				
M38A×-3-60	Compatible	95			
M38A×-3-70	Compatible				
M38A×-5-20	Not compatible	10			
M38A×-5-30	Partly compatible	50			*1
M38A×-5-31	Partly compatible	50			*1
M38A×-5-40	Compatible	80	V38A×R-95	PP03819-371E	
M38A×-5-50	Compatible				
M38A×-5-60	Compatible	95			
M38A×-5-70	Compatible				
M38A×-7-20	Not compatible	10			
M38A×-7-31	Partly compatible	50			*1
M38A×-7-40	Compatible	80	V38A×R-95	PP03819-551E	
M38A×-7-50	Compatible	O.F.	1		
M38A×-7-70	Compatible	95			
M38A×-10-40	Compatible	80			
M38A×-10-50	Compatible	0.5	V38A×R-95	PP03819-751E	
M38A×-10-70	Compatible	95			

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: $10 \rightarrow 50$
31	✓	✓	✓	✓	Motor changed (installation compatibility provided)
40	✓	✓	✓	✓	Pump design changed: $50 \rightarrow 80$
50	✓	✓	✓	✓	Pump design changed: $80 \rightarrow 95$
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)

· motor pamp (moo					
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			
M38A*X-3-30	Partly compatible	50			*1
M38A×X-3-31	Partly compatible	50			*1
M38A×X-3-40 Compatible		80	V38A*RX-95	PP03819-221E	
M38A×X-3-50	Compatible				
M38A×X-3-60	Compatible	95			
M38A*X-3-70 Compatible					
M38A×X-5-20	Not compatible	10			
M38A×X-5-30	Partly compatible	50			*1
M38A×X-5-31	Partly compatible	50			*1
M38A×X-5-40 Compatible M38A×X-5-50 Compatible		80 V38A×RX	V38A×RX-95	PP03819-371E	
M38A×X-5-60	Compatible	95			
M38A×X-5-70	38A×X-5-70 Compatible				
M38A×X-7-20	Not compatible	10			
M38A×X-7-31 Partly compatible		50	50		*1
M38A×X-7-40	Compatible	80	V38A*RX-95	PP03819-551E	
M38A×X-7-50	Compatible	0.5			
M38A*X-7-70	Compatible	95			
M38A×X-10-40 Compatible		80			
M38A×X-10-50	Compatible	0.5	V38A*RX-95	PP03819-751E	
M38A×X-10-70	Compatible	95			

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.