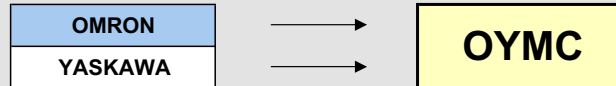


Advanced Industrial Automation

- New **Omron Yaskawa Motion Control** products are referred as "**OYMC**"
- This guide provides a compatibility list between **Omron, Yaskawa** and the new **OYMC models**
- The model name for **Servo Motors and Drives** is made adding **-OY** at the end of the Yaskawa model name
- The model name for **Frequency Inverters** is made changing the "C" on the Yaskawa models by a "**Z**"
- For any further information contact with your local **Omron sales office**

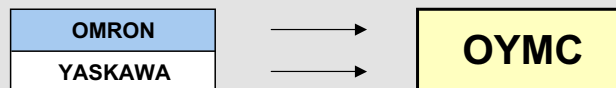
Compatibility List

Family Equivalence



Servo Systems	Omron Family	Yaskawa Family	OYMC Family	Pages
New family OYMC Brand	Omnuc W series	Sigma II series	Sigma II Series	3 - 12,18
No OYMC brand for these families	Omnuc U series	Sigma I series	N/A	
	SmartStep	N/A	N/A	
Frequency Inverters	Omron Family	Yaskawa Family	OYMC Family	Pages
New families OYMC Brand	3G3PV	E7	E7	13 - 15,18
	3G3RV	F7	F7	13, 16 - 18
No OYMC brand for these families	3G3JV	J7	N/A	
	3G3MV	V7	N/A	
	3G3FV	G5	N/A	
	3G3HV	P5	N/A	

Outline of contents on the Compatibility List



Description	OMRON	YASKAWA	OYMC	Selection Table	Cross Reference List
Sigma II (W-Series) Servo System					
Servo Motor. 3000 rpm (30-750W)	R88M-W_30_-S1-D	SGMAH-_____	SGMAH-_____-OY	Page 4	Pages 8-9
Servo Motor Cube. 3000 rpm (100-1500W)	R88M-WP_30_-S1-D	SGMPH-_____	SGMPH-_____-OY	Page 4	Pages 8-9
Servo Motor. 1500 rpm (0.45 -15kW)	R88M-W_15_-	SGMGH-__A__	SGMGH-__A__-OY	Page 5	Pages 10-11
Servo Motor. 1000 rpm (0.3 - 1.2kW)	R88M-W_10_-	SGMGH-__B__	N/A	Page 5	-
Servo Motor. 3000 rpm (1 - 5kW)	R88M-W_K_30_-S2	SGMSH-_____	SGMSH-_____-OY	Page 5	Pages 10-11
Servo Motor. 6000 rpm (1 - 4kW)	R88M-W_60_-	SGMUH-_____	SGMUH-_____-OY	Page 6	Pages 10-11
Servo Drive	R88D-WT__	SGDH-__-__	SGDH-__-__-OY	Page 6	Page 7
E7 (PV) & F7(RV) Frequency Inverters					
E7 / PV Frequency Inverter	3G3PV-_____	CIMR-E7C__	CIMR-E7Z__	Page 13	Pages 14-15
F7 / RV Frequency Inverter	3G3RV-_____	CIMR-F7C__	CIMR-F7Z__	Page 13	Pages 16-17

SGMAH- Sigma II Servo Motor. 3000 rpm (30-750W)

YASKAWA Models	SGMAH - _ _ _ _ _
OMRON Models	R88M-W _ 30 _ - _ S1 - D

← Key Code for Yaswawa Models

← Key Code for Omron Models

OYMC Model description

SGMAH- 01 A A A 4 1 D -OY

A D A B 1 A F 1 C S E 2 4 6 8 - D

Power W	OYMC Symbol	Omron Symbol	Voltage		Encoder			Special spec.		Attachment			Shaft				Connector		
			200V	400V	INC 13 bit	16 bit	ABS 16 bit	no	Oil-seal can be moubted later	no	Brake +24V	Oil-seal Brake +24V	without keyway	with keyway (S1)	with keyway & tap (S2)	without keyway & tap (S3)	Plast ic	for IP67	
30	A3	030	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
50	A5	050	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
100	01	100	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
200	02	200	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
300	03	300	•	•	•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
400	04	400	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
650	07	650	•	•	•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
750	08	750	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•

200V H T
400V F C

- B O BO - S1 S2 S3 - D

OMRON Model description

R88M-W 100 30 H - B S1 - D

Note1 : sign • : standard combination
sign ○ : optional combination

SGMPH- Sigma II Servo Motor Cube Type . 3000 rpm (100-1500W)

YASKAWA Models	SGMPH - _ _ _ _ _
OMRON Models	R88M-WP _ 30 _ - _ S1 - D

← Key Code for Yaswawa Models

← Key Code for Omron Models

OYMC Model description

SGMPH- 01 A A A 4 1 D -OY

A D A B 1 A E 1 C S E 2 4 6 8 - D

Power W	OYMC Symbol	Omron Symbol	Voltage		Encoder			Special spec.		Attachment			Shaft				Connector		
			200 V	400 V	INC 13 bit	16 bit	ABS 16 bit	no	Water proof (IP67)	no	Brake +24V	Oil-seal Brake +24V	without keyway	with keyway (S1)	with keyway (S2)	without keyway (S3)	Plast ic	for IP67	
100	01	100	•		•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
200	02	200	•	•	•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
400	04	400	•	•	•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
750	08	750	•	•	•	○	○	•	○	•	○	○	○	○	•	○	○	○	•
1500	15	1K5	•	•	•	○	○	•	○	•	○	○	○	○	•	○	○	○	•

200V H T
400V F C

- W - B O BO - S1 S2 S3 - D

OMRON Model description

R88M-WP 100 30 H - B S1 - D

Note1 : sign • : standard combination
sign ○ : optional combination

SGMGH- Sigma II Servo Motor. 1500/1000 rpm (0.3 - 15.0 kW)

YASKAWA Models	SGMGH -		
OMRON Models	R88M-W	15	-
OMRON Models	R88M-W	10	-

← Key Code for Yaswawa Models

← Key Code for Omron Models

← Key Code for Omron Models

OYMC Model description

SGMGH - 13 D C A 6 F - OY

A D C 2 A B 2 6 3 1 C S E F H

Power kW	OYMC Symbol	Omron Symbol	Voltage		Encoder		Special		Shaft			Attachment						
			200v	400V	INC 17 bit	ABS 17 bit	1500 rpm	1000 rpm	without keyway	with key (S2)	taper 1/10 (S4)	no	with Brake +24V	Oil-seal	Brake +24V	Dust-seal	Brake +24V	
0.45	05	450	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
0.85	09	850	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
1.3	13	1K3	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
1.8	20	2K0	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
2.9	30	3K0	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
4.4	44	4K4	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
5.5	55	5K5	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
7.5	75	7K5	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
11.0	1A	11K0	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
15.0	1E	15K0	•	•	•	•	•		○	•	○	○	○	○	○	○	•	○
0.3	03	300	○	○	○	○	*		○	○	○	○	○	○	○	○	○	○
0.6	06	600	○	○	○	○	*		○	○	○	○	○	○	○	○	○	○
0.9	09	900	○	○	○	○	*		○	○	○	○	○	○	○	○	○	○
1.2	12	1K2	○	○	○	○	*		○	○	○	○	○	○	○	○	○	○

200V H T 15 10 - S2 S4 - B O BO
400V F C

OMRON Model description

R88M-W 1K3 15 F - B S2

sign • : standard combination
sign ○ : optional combination
sign * : OY model not available

SGMSH- Sigma II Servo Motor . 3000 rpm (1.0 - 5.0 kW)

YASKAWA Models	SGMSH -		
OMRON Models	R88M-W	K	30
			S2

← KC for Yaswawa Models

← KC for Omron Models

OYMC Model description

SGMSH - 10 D C A 6 F - OY

A D C 2 A B 2 6 3 1 C S E F H

Power kW	OYMC Symbol	Omron Symbol	Voltage		Encoder		Special	Shaft			Attachment							
			200v	400V	INC 17 bit	ABS 17 bit		no	without keyway	with key (S2)	taper 1/10 (S4)	no	Brake +24V	Oil-seal	Brake +24V	Dust-seal	Brake +24V	
1.0	10	1K0	○	•	•	•	•		○	•	○	○	○	○	○	○	•	○
1.5	15	1K5	○	•	•	•	•		○	•	○	○	○	○	○	○	•	○
2.0	20	2K0	○	•	•	•	•		○	•	○	○	○	○	○	○	•	○
3.0	30	3K0	○	•	•	•	•		○	•	○	○	○	○	○	○	•	○
4.0	40	4K0	○	•	•	•	•		○	•	○	○	○	○	○	○	•	○
5.0	50	5K0	○	•	•	•	•		○	•	○	○	○	○	○	○	•	○

200V H T
400V F C

- S2 S4 - B O BO

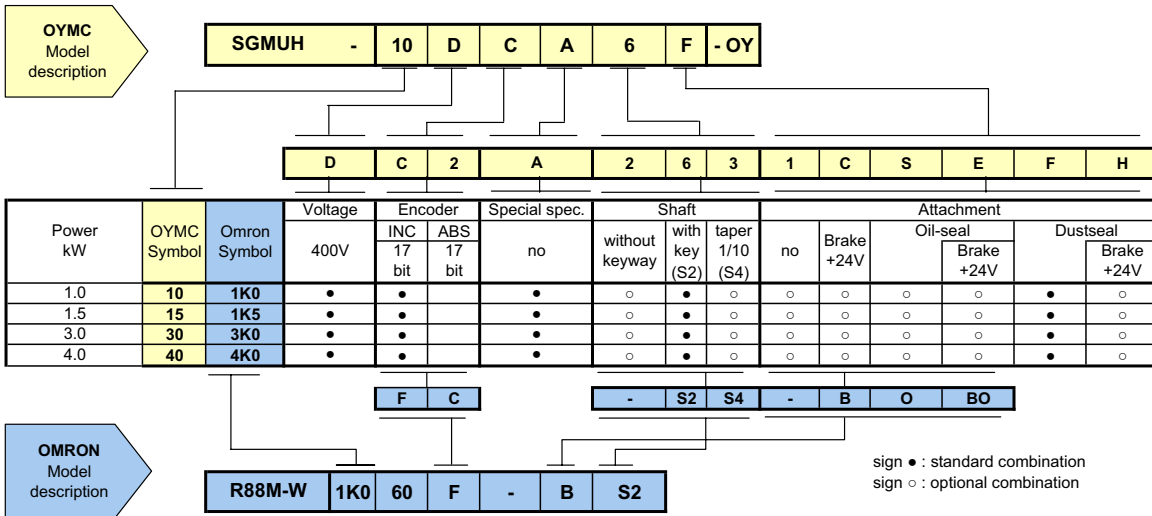
OMRON Model description

R88M-W 1K0 30 F - B S2

sign • : standard combination
sign ○ : optional combination

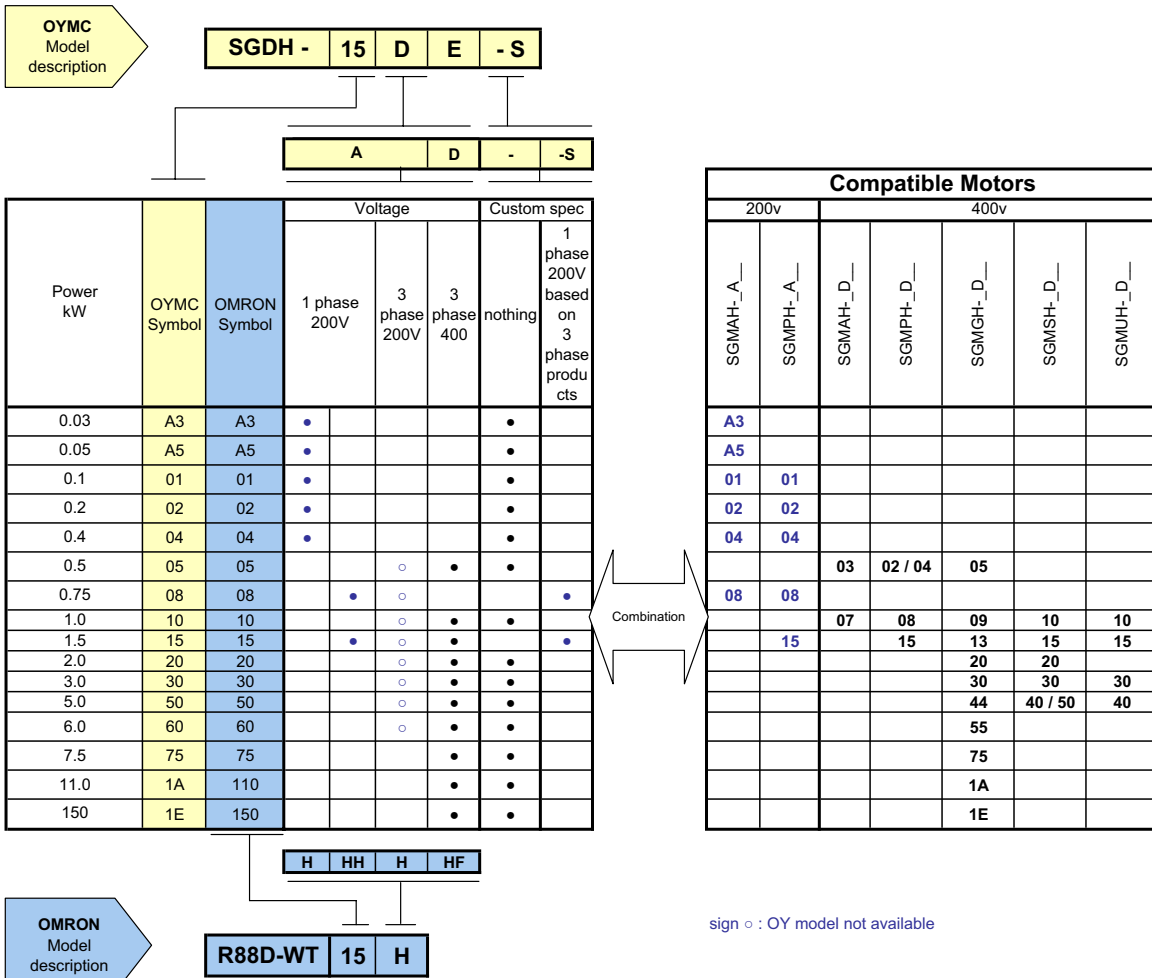
SGMUH- Sigma II Servo Motor . 6000 rpm (1.0 - 4.0 kW)

YASKAWA Models	SGMUH - _ _ _ _	← Key Code for Yaswawa Models
OMRON Models	R88M-W 60 -	← Key Code for Omron Models



SGDH- Sigma II Servo Drive

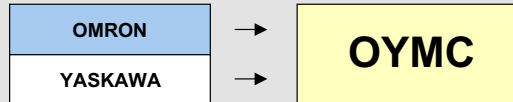
YASKAWA Models	SGDH - _ _ _ _	← Key Code for Yaswawa Models
OMRON Models	R88D-WT _ _ _ _	← Key Code for Omron Models



SGDH

Sigma II Servo Drive

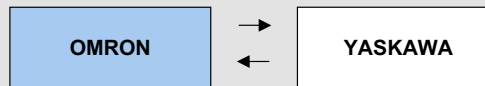
Cross Reference list



Drive Characteristics		Servo Drive Models			EMC Filter
		OMRON	YASKAWA	OYMC	
1 phase 200V	30 W	R88D-WTA3H	SGDH-A3AE	SGDH-A3AE-OY	R88A-FIW104-SE
	50 W	R88D-WTA5H	SGDH-A5AE	SGDH-A5AE-OY	R88A-FIW104-SE
	100 W	R88D-WT01H	SGDH-01AE	SGDH-01AE-OY	R88A-FIW104-SE
	200 W	R88D-WT02H	SGDH-02AE	SGDH-02AE-OY	R88A-FIW104-SE
	400 W	R88D-WT04H	SGDH-04AE	SGDH-04AE-OY	R88A-FIW107-SE
	750 W	R88D-WT08HH	SGDH-08AE-S	SGDH-08AE-S-OY	R88A-FIW115-SE
	1500 W	R88D-WT15HH	SGDH-15AE-S	SGDH-15AE-S-OY	R88A-FIW125-SE
3 phase 400	0.5 kW	R88D-WT05HF	SGDH-05DE	SGDH-05DE-OY	R88A-FIW4006-SE
	1.0 kW	R88D-WT10HF	SGDH-10DE	SGDH-10DE-OY	R88A-FIW4006-SE
	1.5 kW	R88D-WT15HF	SGDH-15DE	SGDH-15DE-OY	R88A-FIW4006-SE
	2.0 kW	R88D-WT20HF	SGDH-20DE	SGDH-20DE-OY	R88A-FIW4010-SE
	3.0 kW	R88D-WT30HF	SGDH-30DE	SGDH-30DE-OY	R88A-FIW4010-SE
	5.0 kW	R88D-WT50HF	SGDH-50DE	SGDH-50DE-OY	R88A-FIW4020-SE
	6.0 kW	R88D-WT60HF	SGDH-60DE	SGDH-60DE-OY	R88A-FIW4030-SE
	7.5 kW	R88D-WT75HF	SGDH-75DE	SGDH-75DE-OY	R88A-FIW4030-SE
	11.0 kW	R88D-WT110HF	SGDH-1ADE	SGDH-1ADE-OY	R88A-FIW4055-SE
15.0 kW	R88D-WT150HF	SGDH-1EDE	SGDH-1EDE-OY	R88A-FIW4055-SE	

Sigma II Accessories

Cross Reference list

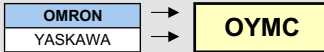


	OMRON Model	YASKAWA Model
Peripheral Cable Connectors		
Analog Monitor Cable 1m (CN5)	R88A-CMW001S	DE 9404559
Computer Monitor Cable 2m (CN3)	R88A-CCW002P2	JZSP-CMS02
Control I/O Connector (CN1)	R88A-CNU11C	JZSP-CKI 9
I/O Terminal Block (JUSP-TA50P includes cable 0.5m)	XW2B-50G5	JUSP-TA50P
Connector Terminal Block Cable 1m (CN1)	R88A-CTW001N	
Encoder & Power cables		
Encoder Cable IP67 for motors SGMAH/SGMPH (3 to 20 m)	R88A-CRWA0xxC-DE	DP 9325256-xxG
Encoder Cable IP67 for motors SGMGH/SGMSH/SGMUH 400V (3 to 20 m)	R88A-CRWB0xxN-E	JZSP-CMP02-xxG
Power Cable IP67 for motors SGMAH/SGMPH 30-750W, 200V (3 to 20 m)	R88A-CAWA0xxS-DE	DP 9325252-xxG
Power Cable IP67 with brake for motors SGMAH/SGMPH 30-750W, 200V (3 to 20 m)	R88A-CAWA0xxB-DE	DP 9325253-xxG
Power Cable IP67 for motors SGMPH 1500W, 200V (3 to 20 m)	R88A-CAWB0xxS-DE	DP 9325254-xxG
Power Cable IP67 with brake for motors SGMPH 1500W, 200V (3 to 20 m)	R88A-CAWB0xxB-DE	DP 9325255-xxG
Power Cable IP67 for motors SGMAH/SGMPH, 400V (3 to 20 m)	R88A-CAWK0xxS-DE	JZSP-CMM20D15-xxG
Power Cable IP67 with brake for motors SGMAH/SGMPH, 400V (3 to 20 m)	R88A-CAWK0xxB-DE	JZSP-CMM30D15-xxG
Power Cable IP67 for motors SGMSH/SGMUH 1-2kW, SGMGH 0.45-1.3kW, 400V (3 to 20 m)	R88A-CAWC0xxS-E	JZSP-CMM02D15-xxG
Power Cable IP67 for motors SGMSH/SGMUH 3-5kW, SGMGH 1.8-2.9kW, 400V (3 to 20 m)	R88A-CAWD0xxS-E	JZSP-CMM02D30-xxG
Power Cable IP67 for motors SGMGH 5.5kW, 400V (3 to 20 m)	R88A-CAWF0xxS-E	JZSP-CMM02D55-xxG
Power Cable IP67 for motors SGMGH 4.4kW, 400V (3 to 20 m)	R88A-CAWG0xxS-E	JZSP-CMM02D44-xxG
Power Cable IP67 for motors SGMGH 7.5-11kW, 400V (3 to 20 m)	R88A-CAWH0xxS-E	JZSP-CMM02D1A-xxG
Power Cable IP67 for motors SGMGH 15kW, 400V (3 to 20 m)	R88A-CAWJ0xxS-E	JZSP-CMM02D1E-xxG
Brake Cable IP67 for motors SGMGH/SGMSH/SGMUH 400V (3 to 20 m)	R88A-CAWC0xxB-E	JZSP-CMM02BR-xxG
Parameter Unit		
Hand-held (with 1 -m cable)	R88A-PR02W	JUSP-OP02A-2
Parameter Unit Cable (2m)	R88A-CCW002C	JZSP-CMS00-3
External Regeneration Resistor Units		
Resistance Unit for 6.0 kW and 7.5 kW, 400 V servo (880 W, 18 Ohm)	R88A-RR88018	JUSP-RA18
Resistance Unit for 11 kW and 15 kW, 400 V servo (1760 W, 14.25 Ohm)	R88A-RR1K814	JUSP-RA19
Option Board		
Devicenet Communications board (including positioning features)	R88A-NCW152-DRT	JUSP-NS300
Battery for absolute encoder		
To mount with servo up to 5 kW	R88A-BAT01W	JZSP-BA01
To mount with servo 6 kW to 15 kW	R88A-BAT02W	JZSP-BA01-1

SGMAH

Sigma II Servo Motor
3000 rpm · 30-750W

Cross Reference list



Note 1: The shaft on Yaskawa motors has some small differences.
See drawings on page 12 for details

System combination

- Servo Drive
- EMC Filter
- Cables between Motor and Drive

Please note that xx=03, 05, 10, 15 or 20 (referring to the cable length in meters)

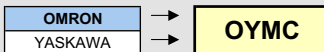
Motor Characteristics

Power W	Torque Nm	Voltage		Encoder			Shaft				Special spec		attachment			Connector	
		200 V	400 V	INC		ABS	without keyway	with keyway (S1)	with keyway & tap (S2)	without keyway & tap (S3)	no	Oil seal can be mounted later	no	Brake +24V	Oil -seal	Plastic	for IP67
				13 bit	16 bit	16 bit											
30	0.096	•	•					•			•	Note 1	•				•
50	0.159	•	•					•			•	Note 1	•				•
100	0.318	•	•					•			•	Note 1	•				•
200	0.637	•	•					•			•	Note 1	•				•
400	1.27	•	•					•			•	Note 1	•				•
750	2.39	•	•					•			•	Note 1	•				•
30	0.096	•	•					•			•	Note 1	•	•			•
50	0.159	•	•					•			•	Note 1	•	•			•
100	0.318	•	•					•			•	Note 1	•	•			•
200	0.637	•	•					•			•	Note 1	•	•			•
400	1.27	•	•					•			•	Note 1	•	•			•
750	2.39	•	•					•			•	Note 1	•	•			•
30	0.096	•	•					•			•	Note 1	•	•			•
50	0.159	•	•					•			•	Note 1	•	•			•
100	0.318	•	•					•			•	Note 1	•	•			•
200	0.637	•	•					•			•	Note 1	•	•			•
400	1.27	•	•					•			•	Note 1	•	•			•
750	2.39	•	•					•			•	Note 1	•	•			•
300	0.955	•	•					•			•	Note 1	•	•			•
650	2.07	•	•					•			•	Note 1	•	•			•
300	0.955	•	•					•			•	Note 1	•	•			•
650	2.07	•	•					•			•	Note 1	•	•			•
300	0.955	•	•					•			•	Note 1	•	•			•
650	2.07	•	•					•			•	Note 1	•	•			•
300	0.955	•	•					•			•	Note 1	•	•			•
650	2.07	•	•					•			•	Note 1	•	•			•

SGMPH

Sigma II Servo Motor
Cube Type
3000 rpm · 100-1500W

Cross Reference list



System combination

- Servo Drive
- EMC Filter
- Cables between Motor and Drive

Please note that xx=03, 05, 10, 15 or 20 (referring to the cable length in meters)

Motor Characteristics

Power W	Torque Nm	Voltage		Encoder			Shaft				Attachment			Connector		
		200 V	400 V	INC		ABS	without keyway	with keyway (S1)	with keyway & tap (S2)	without keyway & tap (S3)	no	Brake +24V	Oil -seal	Water proof (IP67)	Plastic	for IP67
				13 bit	16 bit	16 bit										
100	0.318	•	•					•			•					•
200	0.637	•	•					•			•					•
400	1.27	•	•					•			•					•
750	2.39	•	•					•			•					•
1500	4.77	•	•					•			•					•
100	0.318	•	•					•			•	•				•
200	0.637	•	•					•			•	•				•
400	1.27	•	•					•			•	•				•
750	2.39	•	•					•			•	•				•
1500	4.77	•	•					•			•	•				•
100	0.318	•	•					•			•	•				•
200	0.637	•	•					•			•	•				•
400	1.27	•	•					•			•	•				•
750	2.39	•	•					•			•	•				•
1500	4.77	•	•					•			•	•				•
200	0.637	•	•					•			•	•				•
400	1.27	•	•					•			•	•				•
750	2.39	•	•					•			•	•				•
1500	4.77	•	•					•			•	•				•
200	0.637	•	•					•			•	•				•
400	1.27	•	•					•			•	•				•
750	2.39	•	•					•			•	•				•
1500	4.77	•	•					•			•	•				•
200	0.637	•	•					•			•	•				•
400	1.27	•	•					•			•	•				•
750	2.39	•	•					•			•	•				•
1500	4.77	•	•					•			•	•				•

Motor Model Equivalence			System Combination			
OMRON	YASKAWA (See Note 1)	OYMC	Servo Drive	EMC Filter	Cables between Motor and Drive	
					Encoder Cable	Power cable
R88M-W03030H-S1-D	SGMAH-A3AAF41D	SGMAH-A3AAA41D -OY	SGDH-A3AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxS-DE
R88M-W05030H-S1-D	SGMAH-A5AAF41D	SGMAH-A5AAA41D -OY	SGDH-A5AE-OY			
R88M-W10030H-S1-D	SGMAH-01AAF41D	SGMAH-01AAA41D -OY	SGDH-01AE-OY			
R88M-W20030H-S1-D	SGMAH-02AAF41D	SGMAH-02AAA41D -OY	SGDH-02AE-OY			
R88M-W40030H-S1-D	SGMAH-04AAF41D	SGMAH-04AAA41D -OY	SGDH-04AE-OY	R88A-FIW107-SE	R88A-FIW115-SE	R88A-CAWA0xxB-DE
R88M-W75030H-S1-D	SGMAH-08AAF41D	SGMAH-08AAA41D -OY	SGDH-08AE-S-OY			
R88M-W03030H-BS1-D	SGMAH-A3AAF4CD	SGMAH-A3AAA4CD -OY	SGDH-A3AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxB-DE
R88M-W05030H-BS1-D	SGMAH-A5AAF4CD	SGMAH-A5AAA4CD -OY	SGDH-A5AE-OY			
R88M-W10030H-BS1-D	SGMAH-01AAF4CD	SGMAH-01AAA4CD -OY	SGDH-01AE-OY			
R88M-W20030H-BS1-D	SGMAH-02AAF4CD	SGMAH-02AAA4CD -OY	SGDH-02AE-OY			
R88M-W40030H-BS1-D	SGMAH-04AAF4CD	SGMAH-04AAA4CD -OY	SGDH-04AE-OY	R88A-FIW107-SE	R88A-FIW115-SE	R88A-CAWA0xxS-DE
R88M-W75030H-BS1-D	SGMAH-08AAF4CD	SGMAH-08AAA4CD -OY	SGDH-08AE-S-OY			
R88M-W03030T-S1-D	SGMAH-A3A1F41D	SGMAH-A3A1A41D -OY	SGDH-A3AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxS-DE
R88M-W05030T-S1-D	SGMAH-A5A1F41D	SGMAH-A5A1A41D -OY	SGDH-A5AE-OY			
R88M-W10030T-S1-D	SGMAH-01A1F41D	SGMAH-01A1A41D -OY	SGDH-01AE-OY			
R88M-W20030T-S1-D	SGMAH-02A1F41D	SGMAH-02A1A41D -OY	SGDH-02AE-OY			
R88M-W40030T-S1-D	SGMAH-04A1F41D	SGMAH-04A1A41D -OY	SGDH-04AE-OY	R88A-FIW107-SE	R88A-FIW115-SE	R88A-CAWA0xxB-DE
R88M-W75030T-S1-D	SGMAH-08A1F41D	SGMAH-08A1A41D -OY	SGDH-08AE-S-OY			
R88M-W03030T-BS1-D	SGMAH-A3A1F4CD	SGMAH-A3A1A4CD -OY	SGDH-A3AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxB-DE
R88M-W05030T-BS1-D	SGMAH-A5A1F4CD	SGMAH-A5A1A4CD -OY	SGDH-A5AE-OY			
R88M-W10030T-BS1-D	SGMAH-01A1F4CD	SGMAH-01A1A4CD -OY	SGDH-01AE-OY			
R88M-W20030T-BS1-D	SGMAH-02A1F4CD	SGMAH-02A1A4CD -OY	SGDH-02AE-OY			
R88M-W40030T-BS1-D	SGMAH-04A1F4CD	SGMAH-04A1A4CD -OY	SGDH-04AE-OY	R88A-FIW107-SE	R88A-FIW115-SE	R88A-CAWK0xxS-DE
R88M-W75030T-BS1-D	SGMAH-08A1F4CD	SGMAH-08A1A4CD -OY	SGDH-08AE-S-OY			
R88M-W30030F-S1-D	SGMAH-03DAF41D	SGMAH-03DAA41D -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxS-DE
R88M-W65030F-S1-D	SGMAH-07DAF41D	SGMAH-07DAA41D -OY	SGDH-10DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxB-DE
R88M-W30030F-BS1-D	SGMAH-03DAF4CD	SGMAH-03DAA4CD -OY	SGDH-05DE-OY			
R88M-W65030F-BS1-D	SGMAH-07DAF4CD	SGMAH-07DAA4CD -OY	SGDH-10DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxS-DE
R88M-W30030C-S1-D	SGMAH-03D1F41D	SGMAH-03D1A41D -OY	SGDH-05DE-OY			
R88M-W65030C-S1-D	SGMAH-07D1F41D	SGMAH-07D1A41D -OY	SGDH-10DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxB-DE
R88M-W30030C-BS1-D	SGMAH-03D1F4CD	SGMAH-03D1A4CD -OY	SGDH-05DE-OY			
R88M-W65030C-BS1-D	SGMAH-07D1F4CD	SGMAH-07D1A4CD -OY	SGDH-10DE-OY			

Motor Model Equivalence			System Combination			
OMRON	YASKAWA	OYMC	Servo Drive	EMC Filter	Cable models between Motor and Drive	
					Encoder Cable	Power cable
R88M-WP10030H-S1-D	SGMPH-01AAA41D	SGMPH-01AAA41D -OY	SGDH-01AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxS-DE
R88M-WP20030H-S1-D	SGMPH-02AAA41D	SGMPH-02AAA41D -OY	SGDH-02AE-OY			
R88M-WP40030H-S1-D	SGMPH-04AAA41D	SGMPH-04AAA41D -OY	SGDH-04AE-OY			
R88M-WP75030H-S1-D	SGMPH-08AAA41D	SGMPH-08AAA41D -OY	SGDH-08AE-S-OY			
R88M-WP1K530H-S1-D	SGMPH-15AAA41D	SGMPH-15AAA41D -OY	SGDH-15AE-S-OY	R88A-FIW125-SE	R88A-CRWA0xxC-DE	R88A-CAWB0xxS-DE
R88M-WP10030H-BS1-D	SGMPH-01AAA4CD	SGMPH-01AAA4CD -OY	SGDH-01AE-OY			
R88M-WP20030H-BS1-D	SGMPH-02AAA4CD	SGMPH-02AAA4CD -OY	SGDH-02AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxB-DE
R88M-WP40030H-BS1-D	SGMPH-04AAA4CD	SGMPH-04AAA4CD -OY	SGDH-04AE-OY			
R88M-WP75030H-BS1-D	SGMPH-08AAA4CD	SGMPH-08AAA4CD -OY	SGDH-08AE-S-OY	R88A-FIW115-SE	R88A-CRWA0xxC-DE	R88A-CAWB0xxB-DE
R88M-WP1K530H-BS1-D	SGMPH-15AAA4CD	SGMPH-15AAA4CD -OY	SGDH-15AE-S-OY			
R88M-WP10030T-S1-D	SGMPH-01A1A41D	SGMPH-01A1A41D -OY	SGDH-01AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxS-DE
R88M-WP20030T-S1-D	SGMPH-02A1A41D	SGMPH-02A1A41D -OY	SGDH-02AE-OY			
R88M-WP40030T-S1-D	SGMPH-04A1A41D	SGMPH-04A1A41D -OY	SGDH-04AE-OY			
R88M-WP75030T-S1-D	SGMPH-08A1A41D	SGMPH-08A1A41D -OY	SGDH-08AE-S-OY			
R88M-WP1K530T-S1-D	SGMPH-15A1A41D	SGMPH-15A1A41D -OY	SGDH-15AE-S-OY	R88A-FIW125-SE	R88A-CRWA0xxC-DE	R88A-CAWB0xxS-DE
R88M-WP10030T-BS1-D	SGMPH-01A1A4CD	SGMPH-01A1A4CD -OY	SGDH-01AE-OY			
R88M-WP20030T-BS1-D	SGMPH-02A1A4CD	SGMPH-02A1A4CD -OY	SGDH-02AE-OY	R88A-FIW104-SE	R88A-CRWA0xxC-DE	R88A-CAWA0xxB-DE
R88M-WP40030T-BS1-D	SGMPH-04A1A4CD	SGMPH-04A1A4CD -OY	SGDH-04AE-OY			
R88M-WP75030T-BS1-D	SGMPH-08A1A4CD	SGMPH-08A1A4CD -OY	SGDH-08AE-S-OY	R88A-FIW115-SE	R88A-FIW125-SE	R88A-CAWB0xxB-DE
R88M-WP1K530T-BS1-D	SGMPH-15A1A4CD	SGMPH-15A1A4CD -OY	SGDH-15AE-S-OY			
R88M-WP20030F-S1-D	SGMPH-02DAA41D	SGMPH-02DAA41D -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxS-DE
R88M-WP40030F-S1-D	SGMPH-04DAA41D	SGMPH-04DAA41D -OY	SGDH-10DE-OY			
R88M-WP75030F-S1-D	SGMPH-08DAA41D	SGMPH-08DAA41D -OY	SGDH-15DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxB-DE
R88M-WP1K530F-S1-D	SGMPH-15DAA41D	SGMPH-15DAA41D -OY	SGDH-05DE-OY			
R88M-WP20030F-BS1-D	SGMPH-02DAA4CD	SGMPH-02DAA4CD -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxB-DE
R88M-WP40030F-BS1-D	SGMPH-04DAA4CD	SGMPH-04DAA4CD -OY	SGDH-10DE-OY			
R88M-WP75030F-BS1-D	SGMPH-08DAA4CD	SGMPH-08DAA4CD -OY	SGDH-15DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxS-DE
R88M-WP1K530F-BS1-D	SGMPH-15DAA4CD	SGMPH-15DAA4CD -OY	SGDH-05DE-OY			
R88M-WP20030C-S1-D	SGMPH-02D1A41D	SGMPH-02D1A41D -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxS-DE
R88M-WP40030C-S1-D	SGMPH-04D1A41D	SGMPH-04D1A41D -OY	SGDH-10DE-OY			
R88M-WP75030C-S1-D	SGMPH-08D1A41D	SGMPH-08D1A41D -OY	SGDH-15DE-OY			
R88M-WP1K530C-S1-D	SGMPH-15D1A41D	SGMPH-15D1A41D -OY	SGDH-05DE-OY			
R88M-WP20030C-BS1-D	SGMPH-02D1A4CD	SGMPH-02D1A4CD -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWA0xxC-DE	R88A-CAWK0xxB-DE
R88M-WP40030C-BS1-D	SGMPH-04D1A4CD	SGMPH-04D1A4CD -OY	SGDH-10DE-OY			
R88M-WP75030C-BS1-D	SGMPH-08D1A4CD	SGMPH-08D1A4CD -OY	SGDH-15DE-OY			
R88M-WP1K530C-BS1-D	SGMPH-15D1A4CD	SGMPH-15D1A4CD -OY	SGDH-05DE-OY			

SGMGH

**Sigma II Servo Motor
400 V
1500 rpm · 0.45 - 15.0 kW**

Cross Reference list



Note 1: The Omron motors are not provided with Dust Seal. All dimensions are the same

System combination

- Servo Drive
- EMC Filter
- Cables between Motor and Drive

Please note that xx=03, 05, 10, 15 or 20 (referring to the cable length in meters)

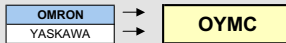
Motor Characteristics

Power W	Torque Nm	Encoder		Shaft			Attachment			
		INC	ABS	without keyway	with keyway & tap (S2)	taper 1/10 with keyway (S4)	no	Brake +24V	Oil -seal	Dust -seal
		17 bit	17 bit							
0.45	2.84	•			•		Note 1			•
0.85	5.39	•			•		Note 1			•
1.3	8.34	•			•		Note 1			•
1.8	11.5	•			•		Note 1			•
2.9	18.6	•			•		Note 1			•
4.4	28.4	•			•		Note 1			•
5.5	35.0	•			•		Note 1			•
7.5	48.0	•			•		Note 1			•
11.0	70.0	•			•		Note 1			•
15.0	95.4	•			•		Note 1			•
0.45	2.84	•			•		Note 1	•		•
0.85	5.39	•			•		Note 1	•		•
1.3	8.34	•			•		Note 1	•		•
1.8	11.5	•			•		Note 1	•		•
2.9	18.6	•			•		Note 1	•		•
4.4	28.4	•			•		Note 1	•		•
5.5	35.0	•			•		Note 1	•		•
7.5	48.0	•			•		Note 1	•		•
11.0	70.0	•			•		Note 1	•		•
15.0	95.4	•			•		Note 1	•		•
0.45	2.84		•		•		Note 1			•
0.85	5.39		•		•		Note 1			•
1.3	8.34		•		•		Note 1			•
1.8	11.5		•		•		Note 1			•
2.9	18.6		•		•		Note 1			•
4.4	28.4		•		•		Note 1			•
5.5	35.0		•		•		Note 1			•
7.5	48.0		•		•		Note 1			•
11.0	70.0		•		•		Note 1			•
15.0	95.4		•		•		Note 1			•
0.45	2.84			•	•		Note 1	•		•
0.85	5.39			•	•		Note 1	•		•
1.3	8.34			•	•		Note 1	•		•
1.8	11.5			•	•		Note 1	•		•
2.9	18.6			•	•		Note 1	•		•
4.4	28.4			•	•		Note 1	•		•
5.5	35.0			•	•		Note 1	•		•
7.5	48.0			•	•		Note 1	•		•
11.0	70.0			•	•		Note 1	•		•
15.0	95.4			•	•		Note 1	•		•

SGMSH

**Sigma II Servo Motor
400 V
3000 rpm · 1 - 5 kW**

Cross Reference list



Note 1: The Omron motors are not provided with Dust Seal. All dimensions are the same

System combination

- Servo Drive
- EMC Filter
- Cables between Motor and Drive

Please note that xx=03, 05, 10, 15 or 20 (referring to the cable length in meters)

Motor Characteristics

Power W	Torque Nm	Encoder		Shaft			Attachment			
		INC	ABS	without keyway	with keyway & tap (S2)	taper 1/10 with keyway (S4)	no	Brake +24V	Oil -seal	Dust -seal
		17 bit	17 bit							
1.0	3.18	•			•		Note 1			•
1.5	4.9	•			•		Note 1			•
2.0	6.36	•			•		Note 1			•
3.0	9.8	•			•		Note 1			•
4.0	12.6	•			•		Note 1			•
5.0	15.8	•			•		Note 1			•
1.0	3.18	•			•		Note 1	•		•
1.5	4.9	•			•		Note 1	•		•
2.0	6.36	•			•		Note 1	•		•
3.0	9.8	•			•		Note 1	•		•
4.0	12.6	•			•		Note 1	•		•
5.0	15.8	•			•		Note 1	•		•
1.0	3.18		•		•		Note 1			•
1.5	4.9		•		•		Note 1			•
2.0	6.36		•		•		Note 1			•
3.0	9.8		•		•		Note 1			•
4.0	12.6		•		•		Note 1			•
5.0	15.8		•		•		Note 1			•
1.0	3.18			•	•		Note 1	•		•
1.5	4.9			•	•		Note 1	•		•
2.0	6.36			•	•		Note 1	•		•
3.0	9.8			•	•		Note 1	•		•
4.0	12.6			•	•		Note 1	•		•
5.0	15.8			•	•		Note 1	•		•

SGMUH

**Sigma II Servo Motor
400 V
6000 rpm · 1 - 4 kW**

Same notes than SGMGH & SGMSH Models

Motor Characteristics

Power W	Torque Nm	Encoder		Shaft			Attachment			
		INC	ABS	without keyway	with keyway & tap (S2)	taper 1/10 with keyway (S4)	no	Brake +24V	Oil -seal	Dust -seal
		17 bit	17 bit							
1.0	2.84	•			•		Note 1			•
1.5	5.68	•			•		Note 1			•
3.0	8.62	•			•		Note 1			•
4.0	11.5	•			•		Note 1			•
1.0	2.84	•			•		Note 1	•		•
1.5	5.68	•			•		Note 1	•		•
3.0	8.62	•			•		Note 1	•		•
4.0	11.5	•			•		Note 1	•		•

Motor Model Equivalence			System Combination				
OMRON (See Note 1)	YASKAWA	OYMC	Servo Drive	EMC Filter	Cables between Motor and Drive		
					Encoder Cable	Power cable	Brake cable only
R88M-W45015F-S2	SGMGH-05DCA6F	SGMGH-05DCA6F -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W85015F-S2	SGMGH-09DCA6F	SGMGH-09DCA6F -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K315F-S2	SGMGH-13DCA6F	SGMGH-13DCA6F -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W1K815F-S2	SGMGH-20DCA6F	SGMGH-20DCA6F -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W2K915F-S2	SGMGH-30DCA6F	SGMGH-30DCA6F -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K415F-S2	SGMGH-44DCA6F	SGMGH-44DCA6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K515F-S2	SGMGH-55DCA6F	SGMGH-55DCA6F -OY	SGDH-60DE-OY	R88A-FIW4030-SE			
R88M-W7K515F-S2	SGMGH-75DCA6F	SGMGH-75DCA6F -OY	SGDH-75DE-OY	R88A-FIW4030-SE			
R88M-W1K015F-S2	SGMGH-1ADCA6F	SGMGH-1ADCA6F -OY	SGDH-1ADE-OY	R88A-FIW4055-SE			
R88M-W15K015F-S2	SGMGH-1EDCA6F	SGMGH-1EDCA6F -OY	SGDH-1EDE-OY	R88A-FIW4055-SE			
R88M-W45015F-BS2	SGMGH-05DCA6H	SGMGH-05DCA6H -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W85015F-BS2	SGMGH-09DCA6H	SGMGH-09DCA6H -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K315F-BS2	SGMGH-13DCA6H	SGMGH-13DCA6H -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W1K815F-BS2	SGMGH-20DCA6H	SGMGH-20DCA6H -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W2K915F-BS2	SGMGH-30DCA6H	SGMGH-30DCA6H -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K415F-BS2	SGMGH-44DCA6H	SGMGH-44DCA6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K515F-BS2	SGMGH-55DCA6H	SGMGH-55DCA6H -OY	SGDH-60DE-OY	R88A-FIW4030-SE			
R88M-W7K515F-BS2	SGMGH-75DCA6H	SGMGH-75DCA6H -OY	SGDH-75DE-OY	R88A-FIW4030-SE			
R88M-W1K015F-BS2	SGMGH-1ADCA6H	SGMGH-1ADCA6H -OY	SGDH-1ADE-OY	R88A-FIW4055-SE			
R88M-W15K015F-BS2	SGMGH-1EDCA6H	SGMGH-1EDCA6H -OY	SGDH-1EDE-OY	R88A-FIW4055-SE			
R88M-W45015C-S2	SGMGH-05D2A6F	SGMGH-05D2A6F -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W85015C-S2	SGMGH-09D2A6F	SGMGH-09D2A6F -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K315C-S2	SGMGH-13D2A6F	SGMGH-13D2A6F -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W1K815C-S2	SGMGH-20D2A6F	SGMGH-20D2A6F -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W2K915C-S2	SGMGH-30D2A6F	SGMGH-30D2A6F -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K415C-S2	SGMGH-44D2A6F	SGMGH-44D2A6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K515C-S2	SGMGH-55D2A6F	SGMGH-55D2A6F -OY	SGDH-60DE-OY	R88A-FIW4030-SE			
R88M-W7K515C-S2	SGMGH-75D2A6F	SGMGH-75D2A6F -OY	SGDH-75DE-OY	R88A-FIW4030-SE			
R88M-W1K015C-S2	SGMGH-1AD2A6F	SGMGH-1AD2A6F -OY	SGDH-1ADE-OY	R88A-FIW4055-SE			
R88M-W15K015C-S2	SGMGH-1ED2A6F	SGMGH-1ED2A6F -OY	SGDH-1EDE-OY	R88A-FIW4055-SE			
R88M-W45015C-BS2	SGMGH-05D2A6H	SGMGH-05D2A6H -OY	SGDH-05DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W85015C-BS2	SGMGH-09D2A6H	SGMGH-09D2A6H -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K315C-BS2	SGMGH-13D2A6H	SGMGH-13D2A6H -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W1K815C-BS2	SGMGH-20D2A6H	SGMGH-20D2A6H -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W2K915C-BS2	SGMGH-30D2A6H	SGMGH-30D2A6H -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K415C-BS2	SGMGH-44D2A6H	SGMGH-44D2A6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K515C-BS2	SGMGH-55D2A6H	SGMGH-55D2A6H -OY	SGDH-60DE-OY	R88A-FIW4030-SE			
R88M-W7K515C-BS2	SGMGH-75D2A6H	SGMGH-75D2A6H -OY	SGDH-75DE-OY	R88A-FIW4030-SE			
R88M-W1K015C-BS2	SGMGH-1AD2A6H	SGMGH-1AD2A6H -OY	SGDH-1ADE-OY	R88A-FIW4055-SE			
R88M-W15K015C-BS2	SGMGH-1ED2A6H	SGMGH-1ED2A6H -OY	SGDH-1EDE-OY	R88A-FIW4055-SE			

Motor Model Equivalence			System Combination				
OMRON (See Note 1)	YASKAWA	OYMC	Servo Drive	EMC Filter	Cables between Motor and Drive		
					Encoder Cable	Power cable	Brake cable only
R88M-W1K030F-S2	SGMSH-10DCA6F	SGMSH-10DCA6F -OY	SGDH-10DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W1K530F-S2	SGMSH-15DCA6F	SGMSH-15DCA6F -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W2K030F-S2	SGMSH-20DCA6F	SGMSH-20DCA6F -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W3K030F-S2	SGMSH-30DCA6F	SGMSH-30DCA6F -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K030F-S2	SGMSH-40DCA6F	SGMSH-40DCA6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K030F-S2	SGMSH-50DCA6F	SGMSH-50DCA6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W1K030F-BS2	SGMSH-10DCA6H	SGMSH-10DCA6H -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K530F-BS2	SGMSH-15DCA6H	SGMSH-15DCA6H -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W2K030F-BS2	SGMSH-20DCA6H	SGMSH-20DCA6H -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W3K030F-BS2	SGMSH-30DCA6H	SGMSH-30DCA6H -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K030F-BS2	SGMSH-40DCA6H	SGMSH-40DCA6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W5K030F-BS2	SGMSH-50DCA6H	SGMSH-50DCA6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W1K030C-S2	SGMSH-10D2A6F	SGMSH-10D2A6F -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K530C-S2	SGMSH-15D2A6F	SGMSH-15D2A6F -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W2K030C-S2	SGMSH-20D2A6F	SGMSH-20D2A6F -OY	SGDH-20DE-OY	R88A-FIW4010-SE			
R88M-W3K030C-S2	SGMSH-30D2A6F	SGMSH-30D2A6F -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K030C-S2	SGMSH-40D2A6F	SGMSH-40D2A6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K030C-S2	SGMSH-50D2A6F	SGMSH-50D2A6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W1K030C-BS2	SGMSH-10D2A6H	SGMSH-10D2A6H -OY	SGDH-10DE-OY	R88A-FIW4006-SE			
R88M-W1K530C-BS2	SGMSH-15D2A6H	SGMSH-15D2A6H -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W2K030C-BS2	SGMSH-20D2A6H	SGMSH-20D2A6H -OY	SGDH-20DE-OY	R88A-FIW4010-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W3K030C-BS2	SGMSH-30D2A6H	SGMSH-30D2A6H -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K030C-BS2	SGMSH-40D2A6H	SGMSH-40D2A6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W5K030C-BS2	SGMSH-50D2A6H	SGMSH-50D2A6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE			

Motor Model Equivalence			System Combination				
OMRON (See Note 1)	YASKAWA	OYMC	Servo Drive	EMC Filter	Cables between Motor and Drive		
					Encoder Cable	Power cable	Brake cable only
R88M-W1K060F-S2	SGMUH-10DCA6F	SGMUH-10DCA6F -OY	SGDH-10DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W1K560F-S2	SGMUH-15DCA6F	SGMUH-15DCA6F -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W3K060F-S2	SGMUH-30DCA6F	SGMUH-30DCA6F -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K060F-S2	SGMUH-40DCA6F	SGMUH-40DCA6F -OY	SGDH-50DE-OY	R88A-FIW4020-SE			
R88M-W1K060F-BS2	SGMUH-10DCA6H	SGMUH-10DCA6H -OY	SGDH-10DE-OY	R88A-FIW4006-SE	R88A-CRWB0xxN-E	R88A-CAWC0xxS-E	R88A-CAWD0xxS-E
R88M-W1K560F-BS2	SGMUH-15DCA6H	SGMUH-15DCA6H -OY	SGDH-15DE-OY	R88A-FIW4006-SE			
R88M-W3K060F-BS2	SGMUH-30DCA6H	SGMUH-30DCA6H -OY	SGDH-30DE-OY	R88A-FIW4010-SE			
R88M-W4K060F-BS2	SGMUH-40DCA6H	SGMUH-40DCA6H -OY	SGDH-50DE-OY	R88A-FIW4020-SE			

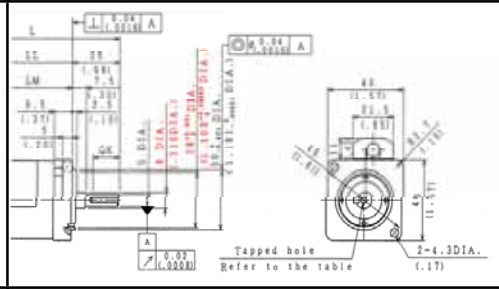
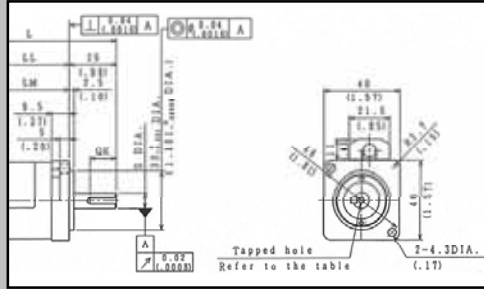
Dimension details for note1 on page 8.

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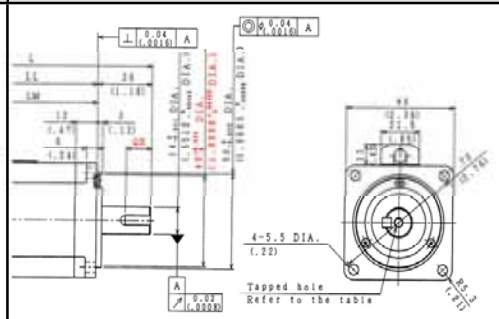
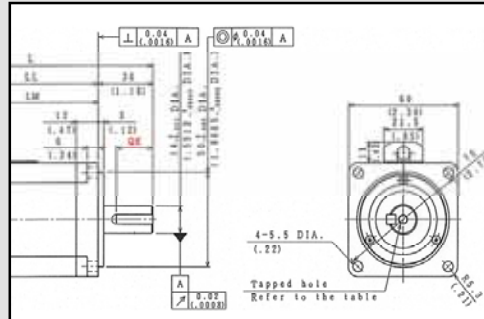
Normal Omron and OYMC Motors

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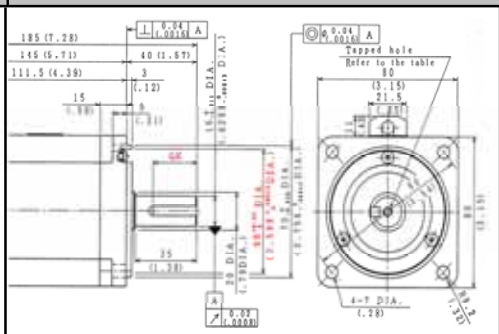
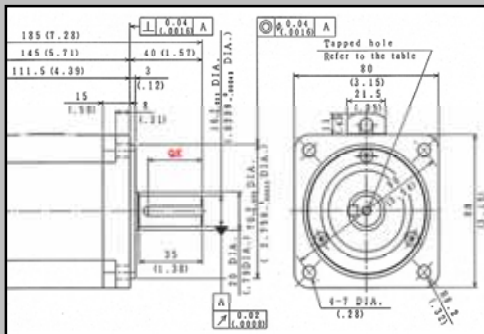
Yaskawa motors prepared for Oil seal



<i>A3, A5</i>	QK:	14 ⁰ _{-0,18}	(, 55 ^{0,001} _{-0,005})	14 ⁰ _{-0,18}	(, 55 ^{0,001} _{-0,005})
	S:	6 ⁰ _{-0,008}	(, 236 ⁰ _{-0,003})		6 ⁰ _{-0,008}
<i>01</i>	QK:	14 ⁰ _{-0,18}	(, 55 ^{0,001} _{-0,005})	14 ⁰ _{-0,18}	(, 55 ^{0,001} _{-0,005})
	S:	8 ⁰ _{-0,009}	(, 315 ⁰ _{-0,004})		8 ⁰ _{-0,009}



<i>02, 04</i>	QK:	20 ⁰ _{-0,21}	(, 78 ^{0,007} ₀)	14 ⁰ _{-0,18}	(, 55 ^{0,001} _{-0,005})
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<i>08</i>	QK:	30 ⁰ _{-0,21}	(, 1, 18 ^{0,001} _{-0,007})	25 ⁰ _{-0,21}	(, 0, 98 ^{0,004} _{-0,004})
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E7 Frequency Inverters

OMRON
YASKAWA



OYMC

Description	OMRON	YASKAWA	OYMC	Cross Reference List
E7 / PV Frequency Inverter	3G3PV-___	CIMR-E7C__	CIMR-E7Z__	Pages 14-15

OMRON
Model description

3G3PV- A 2 004

Maximum applicable motor capacity
004=0.4kW...220=22kW...30K=300kW

Power Supply
2=220V 3-phase, 4=400V 3-phase

Protection
A: IP20
B: Open chassis (IP00)

OYMC
Model description

CIMR- E7 Z 2 0P4 0

Protection
0: Open chassis (IP00)
1: IP20

Maximum applicable motor capacity
0P4=0.4kW...022=22kW...300=300kW

Power Supply
2=220V 3-phase, 4=400V 3-phase

Brand Specification
Z= Omron Yaskawa Motion Control
C=Yaskawa

F7 Frequency Inverters

OMRON
YASKAWA



OYMC

Description	OMRON	YASKAWA	OYMC	Cross Reference List
F7 / RV Frequency Inverter	3G3RV-___	CIMR-F7C__	CIMR-F7Z__	Pages 16-17

OMRON
Model description

3G3RV- A 2 004

Maximum applicable motor capacity
004=0.4kW...220=22kW...30K=300kW

Power Supply
2=220V 3-phase, 4=400V 3-phase

Protection
A: IP20
B: Open chassis (IP00)

OYMC
Model description

CIMR- F7 Z 2 0P4 0

Protection
0: Open chassis (IP00)
1: IP20

Maximum applicable motor capacity
0P4=0.4kW...022=22kW...300=300kW

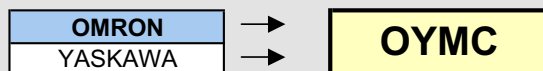
Power Supply
2=220V 3-phase, 4=400V 3-phase

Brand Specification
Z= Omron Yaskawa Motion Control
C=Yaskawa

Varispeed E7

Varispeed E7 Models and Sysdrive 3G3PV

Cross Reference list



System combination

- EMC Filters

Inverter Characteristics			
Voltage	Protection	Maximum applicable motor capacity (kW)	Rated Output Current (A)
400V Class (3-Phase)	(IP20) NEMA1 as standad (IP00) is option	0,55	1,8
		0,75	2,1
		1,5	3,7
		2,2	5,3
		3,7	7,6
		4	8,7
		5,5	12,5
		7,5	17
		11	24
		15	31
	18,5	39	
	Open Chassis Type (IP00) NEMA1(IP20) is option	22	45
		30	60
		37	75
		45	91
		55	112
		75	150
		90	180
		110	216
		132	260
		160	304
	Open Chassis Type (IP00) Only	185	370
220		506	
		300	675
200V Class (3-Phase)	(IP20) NEMA1 as standad (IP00) is option	0,55	3,2
		0,75	4,1
		1,5	7,0
		2,2	9,6
		3,7	15
		5,5	23
		7,5	31
		11	45
		15	58
		18,5	71
	Open Chassis Type (IP00) NEMA1(IP20) is option	22	85
		30	115
		37	145
		45	180
		55	215
		75	283
	Open Chassis Type (IP00) Only	90	346
		110	415

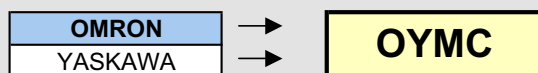
Motor Model Equivalence		
OMRON	YASKAWA	OYMC
3G3PV-A4004	CIMR-E7C40P41	CIMR-E7Z40P41
3G3PV-A4007	CIMR-E7C40P71	CIMR-E7Z40P71
3G3PV-A4015	CIMR-E7C41P51	CIMR-E7Z41P51
3G3PV-A4022	CIMR-E7C42P21	CIMR-E7Z42P21
3G3PV-A4037	CIMR-E7C43P71	CIMR-E7Z43P71
3G3PV-A4040	CIMR-E7C44P01	CIMR-E7Z44P01
3G3PV-A4055	CIMR-E7C45P51	CIMR-E7Z45P51
3G3PV-A4075	CIMR-E7C47P51	CIMR-E7Z47P51
3G3PV-A4110	CIMR-E7C40111	CIMR-E7Z40111
3G3PV-A4150	CIMR-E7C40151	CIMR-E7Z40151
3G3PV-A4185	CIMR-E7C40181	CIMR-E7Z40181
3G3PV-B4220	CIMR-E7C40220	CIMR-E7Z40220
3G3PV-B4300	CIMR-E7C40300	CIMR-E7Z40300
3G3PV-B4370	CIMR-E7C40370	CIMR-E7Z40370
3G3PV-B4450	CIMR-E7C40450	CIMR-E7Z40450
3G3PV-B4550	CIMR-E7C40550	CIMR-E7Z40550
3G3PV-B4750	CIMR-E7C40750	CIMR-E7Z40750
3G3PV-B4900	CIMR-E7C40900	CIMR-E7Z40900
3G3PV-B411K	CIMR-E7C41100	CIMR-E7Z41100
3G3PV-B413K	CIMR-E7C41320	CIMR-E7Z41320
3G3PV-B416K	CIMR-E7C41600	CIMR-E7Z41600
3G3PV-B418K	CIMR-E7C41850	CIMR-E7Z41850
3G3PV-B420K	CIMR-E7C42200	CIMR-E7Z42200
3G3PV-B430K	CIMR-E7C43000	CIMR-E7Z43000
3G3PV-A2004	CIMR-E7C20P41	CIMR-E7Z20P41
3G3PV-A2007	CIMR-E7C20P71	CIMR-E7Z20P71
3G3PV-A2015	CIMR-E7C21P51	CIMR-E7Z21P51
3G3PV-A2022	CIMR-E7C22P21	CIMR-E7Z22P21
3G3PV-A2037	CIMR-E7C23P71	CIMR-E7Z23P71
3G3PV-A2055	CIMR-E7C25P51	CIMR-E7Z25P51
3G3PV-A2075	CIMR-E7C27P51	CIMR-E7Z27P51
3G3PV-A2110	CIMR-E7C20111	CIMR-E7Z20111
3G3PV-A2150	CIMR-E7C20151	CIMR-E7Z20151
3G3PV-A2185	CIMR-E7C20181	CIMR-E7Z20181
3G3PV-B2220	CIMR-E7C20220	CIMR-E7Z20220
3G3PV-B2300	CIMR-E7C20300	CIMR-E7Z20300
3G3PV-B2370	CIMR-E7C20370	CIMR-E7Z20370
3G3PV-B2450	CIMR-E7C20450	CIMR-E7Z20450
3G3PV-B2550	CIMR-E7C20550	CIMR-E7Z20550
3G3PV-B2750	CIMR-E7C20750	CIMR-E7Z20750
3G3PV-B2900	CIMR-E7C20900	CIMR-E7Z20900
3G3PV-B211K	CIMR-E7C21100	CIMR-E7Z21100

EMC Filter			
Filter model	Rated Current (Amps)	Weight (kg)	Dimensions W * D * H
3G3RV-PFI3010-SE	10	1,1	141*46*330
3G3RV-PFI3018-SE	18	1,3	141*46*330
3G3RV-PFI3035-SE	35	2,1	206*50*355
3G3RV-PFI3060-SE	60	4,0	236*65*408
3G3RV-PFI3070-SE	70	3,4	80*185*329
3G3RV-PFI3130-SE	130	4,7	90*180*366
3G3RV-PFI3170-SE	170	6,0	120*170*451
3G3RV-PFI3200-SE	250	11	130*240*610
3G3RV-PFI3400-SE	400	18,5	300*160*610
3G3RV-PFI3600-SE	600	11,0	260*135*386
3G3RV-PFI3800-SE	800	31,0	300*160*716
3G3RV-PFI3010-SE	10	1,1	141*45*330
3G3RV-PFI3018-SE	18	1,3	141*46*330
3G3RV-PFI2035-SE	35	1,4	141*46*330
3G3RV-PFI2060-SE	60	3	206*60*355
3G3RV-PFI2100-SE	100	4,9	236*80*408
3G3RV-PFI2130-SE	130	4,3	90*180*366
3G3RV-PFI2160-SE	160	6,0	120*170*451
3G3RV-PFI2200-SE	200	11,0	130*240*610
3G3RV-PFI3400-SE	400	18,5	300*160*564
3G3RV-PFI3600-SE	600	11,0	260*135*386

Varispeed F7

Varispeed F7 Models and Sysdrive 3G3RV

Cross Reference list



System combination

- EMC Filters

Inverter Characteristics

Voltage	Protection	Maximum applicable motor capacity (kW)	Rated Output Current (A)	
400V Class (3-Phase)	(IP20) NEMA1 as standad	0,55	1,8	
		0,75	2,1	
		1,5	3,7	
		2,2	5,3	
		3,7	7,6	
		4	8,7	
		(IP00) is option	5,5	12,5
			7,5	17
			11	24
			15	31
	18,5		39	
	22		45	
	Open Chassis Type (IP00)		30	60
			37	75
		45	91	
		55	112	
		NEMA1(IP20) is option	75	150
			90	180
	110		216	
	132		260	
	Open Chassis Type (IP00) Only	160	304	
		185	370	
220		506		
		300	675	
200V Class (3-Phase)	(IP20) NEMA1 as standad	0,55	3,2	
		0,75	4,1	
		1,5	7,0	
		2,2	9,6	
		3,7	15	
		(IP00) is option	5,5	23
			7,5	31
			11	45
			15	58
			18,5	71
	22		85	
	Open Chassis Type (IP00)		30	115
			37	145
		NEMA1(IP20) is option	45	180
			55	215
	75		283	
	Open Chassis Type (IP00) Only	90	346	
		110	415	

Motor Model Equivalence		
OMRON	YASKAWA	OYMC
3G3RV-A4004	CIMR-F7C40P41	CIMR-F7Z40P41
3G3RV-A4007	CIMR-F7C40P71	CIMR-F7Z40P71
3G3RV-A4015	CIMR-F7C41P51	CIMR-F7Z41P51
3G3RV-A4022	CIMR-F7C42P21	CIMR-F7Z42P21
3G3RV-A4037	CIMR-F7C43P71	CIMR-F7Z43P71
3G3RV-A4040	CIMR-F7C44P01	CIMR-F7Z44P01
3G3RV-A4055	CIMR-F7C45P51	CIMR-F7Z45P51
3G3RV-A4075	CIMR-F7C47P51	CIMR-F7Z47P51
3G3RV-A4110	CIMR-F7C40111	CIMR-F7Z40111
3G3RV-A4150	CIMR-F7C40151	CIMR-F7Z40151
3G3RV-A4185	CIMR-F7C40181	CIMR-F7Z40181
3G3RV-B4220	CIMR-F7C40220	CIMR-F7Z40220
3G3RV-B4300	CIMR-F7C40300	CIMR-F7Z40300
3G3RV-B4370	CIMR-F7C40370	CIMR-F7Z40370
3G3RV-B4450	CIMR-F7C40450	CIMR-F7Z40450
3G3RV-B4550	CIMR-F7C40550	CIMR-F7Z40550
3G3RV-B4750	CIMR-F7C40750	CIMR-F7Z40750
3G3RV-B4900	CIMR-F7C40900	CIMR-F7Z40900
3G3RV-B411K	CIMR-F7C41100	CIMR-F7Z41100
3G3RV-B413K	CIMR-F7C41320	CIMR-F7Z41320
3G3RV-B416K	CIMR-F7C41600	CIMR-F7Z41600
3G3RV-B418K	CIMR-F7C41850	CIMR-F7Z41850
3G3RV-B420K	CIMR-F7C42200	CIMR-F7Z42200
3G3RV-B430K	CIMR-F7C43000	CIMR-F7Z43000
3G3RV-A2004	CIMR-F7C20P41	CIMR-F7Z20P41
3G3RV-A2007	CIMR-F7C20P71	CIMR-F7Z20P71
3G3RV-A2015	CIMR-F7C21P51	CIMR-F7Z21P51
3G3RV-A2022	CIMR-F7C22P21	CIMR-F7Z22P21
3G3RV-A2037	CIMR-F7C23P71	CIMR-F7Z23P71
3G3RV-A2055	CIMR-F7C25P51	CIMR-F7Z25P51
3G3RV-A2075	CIMR-F7C27P51	CIMR-F7Z27P51
3G3RV-A2110	CIMR-F7C20111	CIMR-F7Z20111
3G3RV-A2150	CIMR-F7C20151	CIMR-F7Z20151
3G3RV-A2185	CIMR-F7C20181	CIMR-F7Z20181
3G3RV-B2220	CIMR-F7C20220	CIMR-F7Z20220
3G3RV-B2300	CIMR-F7C20300	CIMR-F7Z20300
3G3RV-B2370	CIMR-F7C20370	CIMR-F7Z20370
3G3RV-B2450	CIMR-F7C20450	CIMR-F7Z20450
3G3RV-B2550	CIMR-F7C20550	CIMR-F7Z20550
3G3RV-B2750	CIMR-F7C20750	CIMR-F7Z20750
3G3RV-B2900	CIMR-F7C20900	CIMR-F7Z20900
3G3RV-B211K	CIMR-F7C21100	CIMR-F7Z21100

EMC Filter			
Filter model	Rated Current (Amps)	Weight (kg)	Dimensions W * D * H
3G3RV-PFI3010-SE	10	1,1	141*46*330
3G3RV-PFI3018-SE	18	1,3	141*46*330
3G3RV-PFI3035-SE	35	2,1	206*50*355
3G3RV-PFI3060-SE	60	4,0	236*65*408
3G3RV-PFI3070-SE	70	3,4	80*185*329
3G3RV-PFI3130-SE	130	4,7	90*180*366
3G3RV-PFI3170-SE	170	6,0	120*170*451
3G3RV-PFI3200-SE	250	11	130*240*610
3G3RV-PFI3400-SE	400	18,5	300*160*610
3G3RV-PFI3600-SE	600	11,0	260*135*386
3G3RV-PFI3800-SE	800	31,0	300*160*716
3G3RV-PFI3010-SE	10	1,1	141*45*330
3G3RV-PFI3018-SE	18	1,3	141*46*330
3G3RV-PFI2035-SE	35	1,4	141*46*330
3G3RV-PFI2060-SE	60	3	206*60*355
3G3RV-PFI2100-SE	100	4,9	236*80*408
3G3RV-PFI2130-SE	130	4,3	90*180*366
3G3RV-PFI2160-SE	160	6,0	120*170*451
3G3RV-PFI2200-SE	200	11,0	130*240*610
3G3RV-PFI3400-SE	400	18,5	300*160*564
3G3RV-PFI3600-SE	600	11,0	260*135*386

Product Comparison Sigma II-OY vs W-Series vs Sigma-II

	Feature	OMRON OmnuC W	YASKAWA Sigma II	OYMC Sigma II
Appearance	Company logo	OMRON logo	YASKAWA logo	OYMC logo
	Product Name	OmnuC W Series	Sigma II Series	Sigma II Series
	MODEL	R88D-WT****	SGDH-***	SGDH-***-OY
	Digital Operator	OMRON color/symbol w/OMRON logo	YASKAWA color/symbol w/YASKAWA logo	YASKAWA color/symbol w/YASKAWA logo
User Interface	Digital operator	R88A-PR02W	JUSP-OP02A	JUSP-OP02A

Product Comparison E7Z vs 3G3PV vs E7C

	Feature	OMRON PV	YASKAWA E7C	OYMC E7Z
Appearance	Company logo	OMRON logo	YASKAWA logo	OYMC logo
	Product Name	Sysdrive 3G3PV	Varipeed E7	Varipeed E7
	MODEL	3G3PV-*****	CIMR-E7C****	CIMR-E7Z****
	Digital Operator	OMRON color/symbol w/OMRON logo	YASKAWA color/symbol w/YASKAWA logo	OMRON color/symbol w/OYMC logo
User Interface	Digital operator	PJVOP-161 (LED type)	JVOP-161 (LED type)	JVOP-161-OY (LED type)

Product Comparison F7Z vs 3G3RV vs F7C

	Feature	OMRON RV	YASKAWA F7C	OYMC F7Z
Appearance	Company logo	OMRON logo	YASKAWA logo	OYMC logo
	Product Name	Sysdrive 3G3RV	Varipeed F7	Varipeed F7
	MODEL	3G3RV-*****	CIMR-F7C****	CIMR-F7Z****
	Digital Operator	OMRON color/symbol w/OMRON logo	YASKAWA color/symbol w/YASKAWA logo	OMRON color/symbol w/OYMC logo
Basic Specification	Overload/carrier fc/rated current		VT/Hi-fc, CT/Lo-fc	VT/Hi-fc, CT/Lo-fc VT/lo-fc/hi-current (VT2), CT/Hi-fc/Lo-Current
	Control mode		V/f, V/f w/PG, VVC	V/f, V/f w/PG, VVC, FVC
	Speed control range		1:100	1:100, 1:1000 (FVC)
	Speed control accuracy		+/-0.2%	+/-0.2%, +/-0.02%(FVC)
	Torque control		not possible	Possible
User Interface	Digital operator	PJVOP-161 (LED type)	JVOP-161 (LED type)	JVOP-160-OY (LCD type)
Option units	Option Boards Available	Serial communication option (SI-xx)		Serial communication option (SI-xx) Analog input option (A1-xx) Digital input option (DI-xx)

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