

#### Current -

Qada	100 V (Single Phase)	Qada	200 V (Three Phase)	Quida	400 V (Three Phase)			
Code	Applicable Servomotor Max. Capacity kW	Code	Applicable Servomotor Max. Capacity kW	Code	Applicable Servomotor Max. Capacity kW			
R70	0.05	R70*	0.05	1R9	0.5			
R90	0.1	R90*	0.1	3R5	1.0			
2R1	0.2	1R6*	0.2	5R4	1.5			
2R8	0.4	2R8*	0.4	8R4	2.0			
		3R8	0.5	120	3.0			
		5R5*	0.75	170	5.0			
		7R6	1.0	210	6.0			
		120*	1.5	260	7.5			
		180	2.0	280	11			
		200	3.0	370	15			
		330	5.0		naded items are non-stock.			
		470	6.0	NOTE. SI	laded items are non-stock.			
		550	7.5		amplifiers can be powered with single or three-			
		590	11		120A A008000, a special version of the 1.5 er can be used for single-phase operation.			
		780	15	ampine	er can be used for single-phase operation.			

### Real-time communications

MECHATROLINK-II communications enable high-speed control for 30 stations at a maximum transmission speed of 10 Mbps in a transmission cycle from 250  $\mu$ s to 4 ms (user setting). Such a high transmission speed allows real-time transmission of various data required for control.

### Cost savings

Thirty stations can be connected to a single MECHATROLINK-II transmission line, so wiring costs and time are greatly reduced. Also, only one signal connector is required on the host controller. And, the all-digital network eliminates the need for conversion from digital to analog for speed/torque references and for a pulse generator to generate position references.

### High-precision motion control

The SGDV SERVOPACK when connected to the host controller in the MECHATROLINK-II network provides not only torque, position, and speed control but also synchronized phase control that requires advanced control technology. The control mode can be changed online so that the machine can move smoothly in complex motions with great efficiency.

# Ratings

## Single-phase 100 V

SERVOPACK Model SGDV-		R70F	R90F	2R1F	2R8F				
Applicable Servomotor Max. Capacity	0.05	0.1	0.2	0.4					
Continuous Output Current	0.66	0.91	2.1	2.8					
Max. Output Current	A <sub>rms</sub>	2.1	2.9	6.5	9.3				
Main Circuit		Single-phase 100 to 115 VAC+10% to -15% 50/60 Hz							
Control Circuit		Single-phase 100 to 115 VAC+10% to -15% 50/60 Hz							

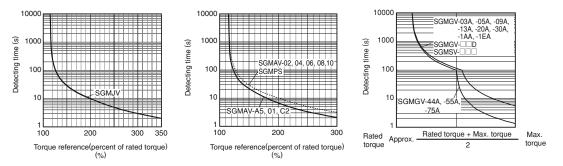
### Three-phase 200 V

SERVOPACK Model SGDV-		R70A	R90A	1R6A	2R8A	3R8A	5R5A	7R6A	120A	180A	200A	330A	470A	550A	590A	780A
Applicable Servomotor Max. Capacity kW		0.05	0.1	0.2	0.4	0.5	0.75	1.0	1.5	2.0	3.0	5.0	6	7.5	11	15
Continuous Output Current A <sub>rms</sub>		0.66	0.91	1.6	2.8	3.8	5.5	7.6	11.6	18.5	19.6	32.9	46.9	54.7	58.6	78
Max. Output Current A <sub>rms</sub>		2.1	2.9	6.5	9.3	11	16.9	17	28	42	56	84	110	130	140	170
Main Circuit	Three-phase 200 to 230 VAC+10% to -15% 50/60 Hz															
Control Circuit	Single-phase 200 to 230 VAC+10% to -15% 50/60 Hz															

### Three-phase 400 V

SERVOPACK Model SGDV-	1R9D	3R5D	5R4D	8R4D	120D	170D	210D	260D	280D	370D	
Applicable Servomotor Max. Capacity kW		0.5	1.0	1.5	2.0	3.0	5.0	6	7.5	11	15
Continuous Output Current Arms		1.9	3.5	5.4	8.4	11.9	16.5	20.8	25.4	28.1	37.2
Max. Output Current Arms		5.5	8.5	14	20	28	42	55	65	70	85
Main Circuit	Three-phase 380 to 480 VAC+10% to -15% 50/60 Hz										
Control Circuit	24 VDC ±15%										

## SERVOPACK Overload Characteristics



Note: Overload characteristics shown above do not guarantee continuous duty of 100% or more output. Use a servomotor with effective torque within the continuous duty zone of Torque-Motor Speed Characteristics.