

DC Fan



120×120×25 mm

San Ace 120 9G type Model 9G1212B401 is not certified.

General Specifications

- Material Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-1)
- Expected life See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)
Expected life at 40°C is for reference only.
- Motor protection function Locked rotor burnout protection, Reverse polarity protection
For details, please refer to p. 599.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance 10 MΩ or more with a 500 VDC megger (between lead wire conductors and frame)
- Sound pressure level (SPL) At 1 m away from the air inlet
- Storage temperature -30 to +70°C (Non-condensing)
- Lead wire ⊕Red ⊖Black or Blue Sensor Yellow
- Mass 240 g

Specifications

The models listed below **have ribs and pulse sensors**. For models without ribs, append "1" to the end of model numbers.

Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
» 9G1212G401	12	10.2 to 13.8	0.9	10.8	4100	3.68 130	120 0.482	51	-20 to +70	40000/60°C (70000/40°C)
» 9G1212E401			0.58	6.96	3650	3.25 115	98 0.394	48		
» 9G1212A401			0.4	4.8	3150	2.83 100	77 0.309	44		
» 9G1212H401		6 to 13.8	0.31	3.72	2850	2.5 88	64 0.257	40		
» 9G1212F401		7 to 13.8	0.19	2.28	2250	1.98 70	42 0.169	35		
» 9G1212M401			0.14	1.68	1950	1.66 59	31 0.124	29		
» 9G1212B401		10.2 to 13.8	0.06	0.72	1000	0.88 31	9.6 0.039	18		
» 9G1224G401	24	20.4 to 27.6	0.47	11.28	4100	3.68 130	120 0.482	51		
» 9G1224E401			0.37	8.88	3650	3.25 115	98 0.394	48		
» 9G1224A401			0.21	5.04	3150	2.83 100	77 0.309	44		
» 9G1224H401		12 to 27.6	0.17	4.08	2850	2.5 88	64 0.257	40		
» 9G1224F401		20.4 to 27.6	0.1	2.4	2250	1.98 70	42 0.169	35		
» 9G1224M401			0.08	1.92	1950	1.66 59	31 0.124	29		
» 9G1248G401	48	40.8 to 55.2	0.23	11.04	4100	3.68 130	120 0.482	51		
» 9G1248E401			0.16	7.68	3650	3.25 115	98 0.394	48		
» 9G1248A401			0.13	6.24	3150	2.83 100	77 0.309	44		
» 9G1248H401			0.1	4.8	2850	2.5 88	64 0.257	40		
» 9G1248F401			0.06	2.88	2250	1.98 70	42 0.169	35		
» 9G1248M401			0.05	2.4	1950	1.66 59	31 0.124	29		

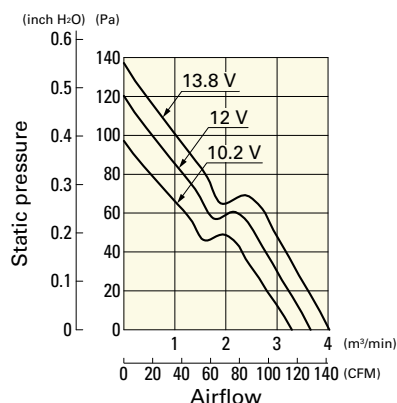
Note 1: Sensor and control options are available for selection. Refer to the table on pp. 627 to 628.

Note 2: The » mark indicates Short LeadTime Service applicable models. See p. 654 for details.

Airflow - Static Pressure Characteristics

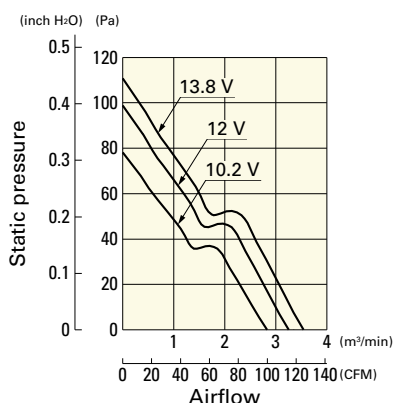
9G1212G401 With pulse sensor

Operating voltage range



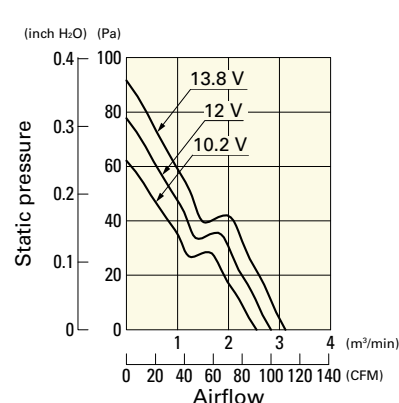
9G1212E401 With pulse sensor

Operating voltage range



9G1212A401 With pulse sensor

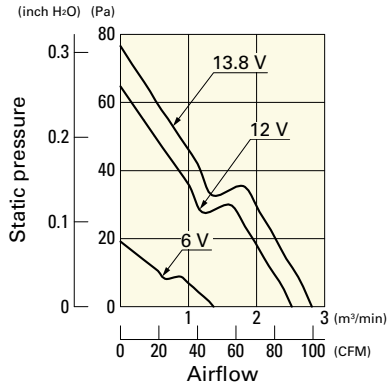
Operating voltage range



Airflow - Static Pressure Characteristics

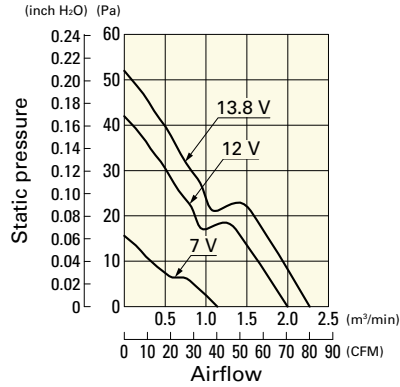
9G1212H401 With pulse sensor

Operating voltage range



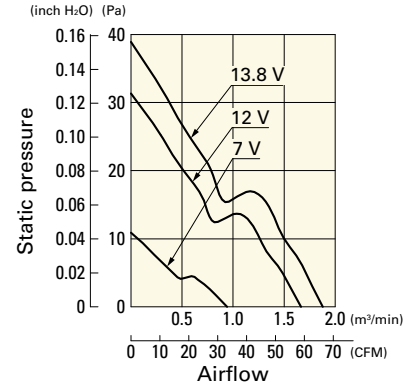
9G1212F401 With pulse sensor

Operating voltage range



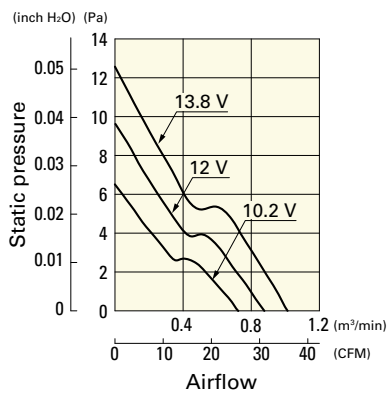
9G1212M401 With pulse sensor

Operating voltage range



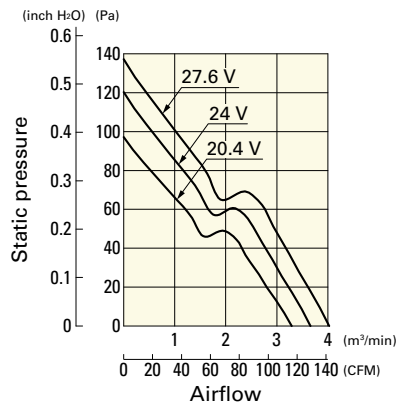
9G1212B401 With pulse sensor

Operating voltage range



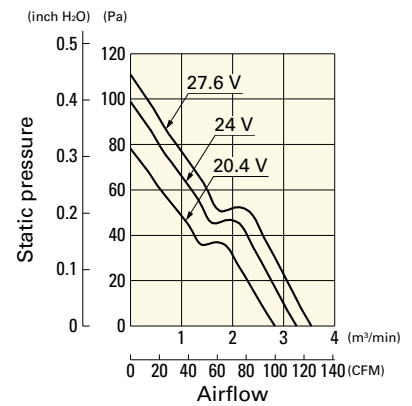
9G1224G401 With pulse sensor

Operating voltage range



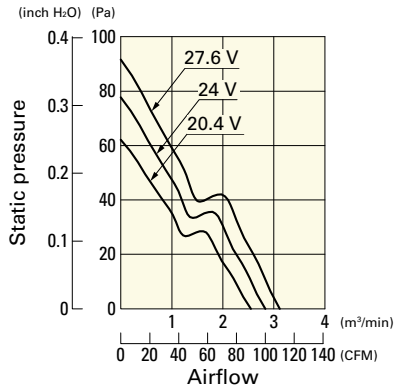
9G1224E401 With pulse sensor

Operating voltage range



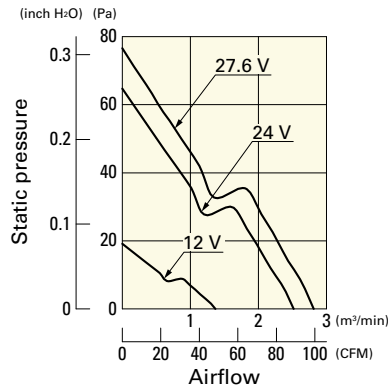
9G1224A401 With pulse sensor

Operating voltage range



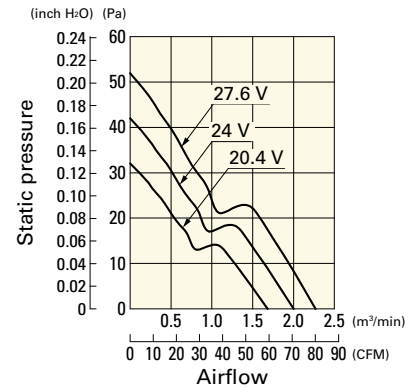
9G1224H401 With pulse sensor

Operating voltage range



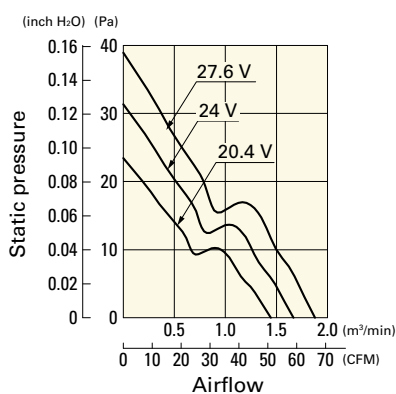
9G1224F401 With pulse sensor

Operating voltage range



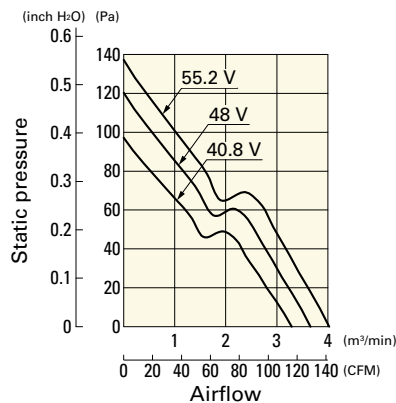
9G1224M401 With pulse sensor

Operating voltage range



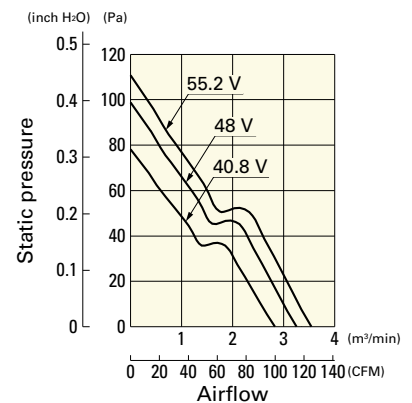
9G1248G401 With pulse sensor

Operating voltage range



9G1248E401 With pulse sensor

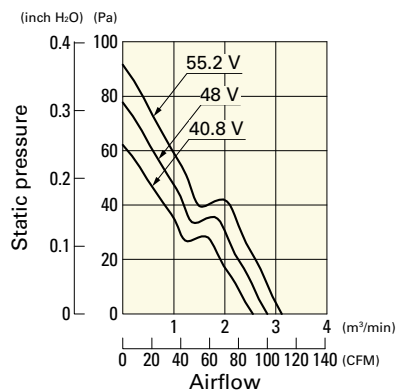
Operating voltage range



Airflow - Static Pressure Characteristics

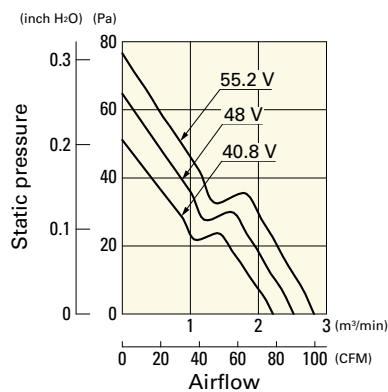
9G1248A401 With pulse sensor

Operating voltage range



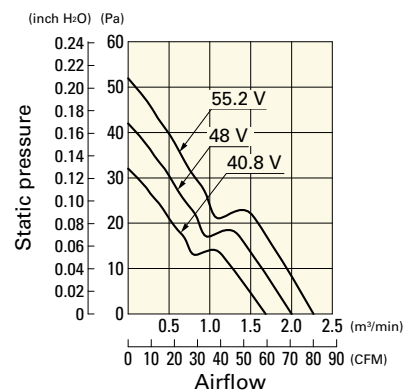
9G1248H401 With pulse sensor

Operating voltage range



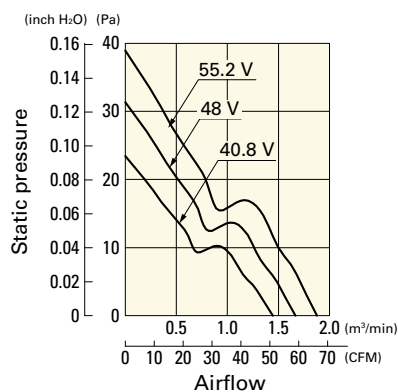
9G1248F401 With pulse sensor

Operating voltage range

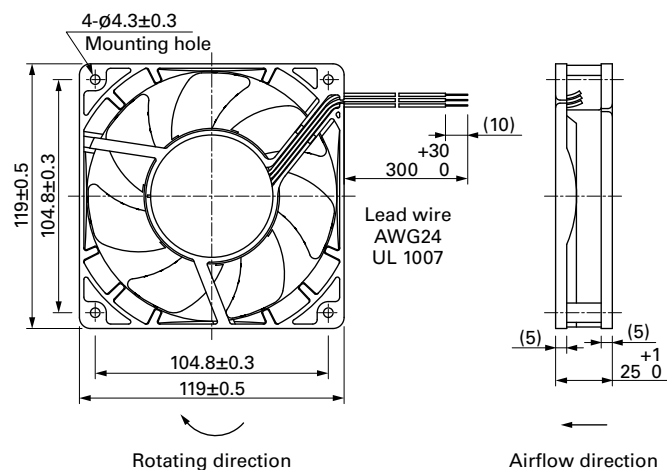


9G1248M401 With pulse sensor

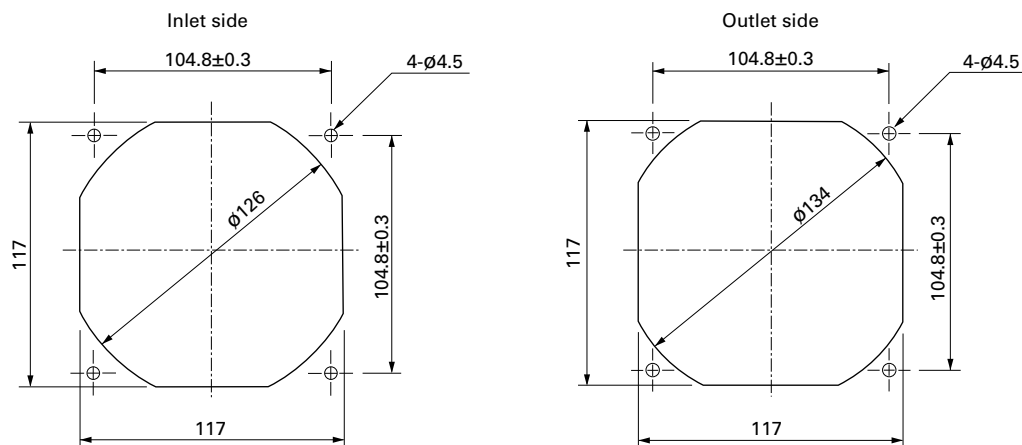
Operating voltage range



Dimensions (unit: mm) (With ribs)



Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



Options

Finger guards

page: p. 585

Model no.: 109-019E, 109-019K, 109-019C, 109-019H

Resin finger guards

page: p. 591

Model no.: 109-1000G

Resin filter kits

page: p. 592

Model no.: 109-1000F13 (13PPI), 109-1000F20 (20PPI),
109-1000F30 (30PPI), 109-1000F40 (40PPI)

Models listed in product pages	List of models (Below are optional models and not listed in product pages. Standard compliance of these optional models may differ from that of the models listed in product pages. Contact us for details of "—" models.)				Frame size	Rib	page
	Without sensor	With pulse sensor	With lock sensor	With PWM control function and pulse sensor			
9G0924S201	9G0924S202	9G0924S201	9G0924S2D01	—	92 × 92 × 32 mm	Yes	150
9G0924S2011	9G0924S2021	9G0924S2011	9G0924S2D011	—	92 × 92 × 32 mm	No	150
9G0948A201	9G0948A202	9G0948A201	9G0948A2D01	—	92 × 92 × 32 mm	Yes	150
9G0948A2011	9G0948A2021	9G0948A2011	9G0948A2D011	—	92 × 92 × 32 mm	No	150
9G0948G101	9G0948G102	9G0948G101	9G0948G1D01	—	92 × 92 × 38 mm	Yes	162
9G0948G1011	9G0948G1021	9G0948G1011	—	—	92 × 92 × 38 mm	No	162
9G0948H101	9G0948H102	9G0948H101	9G0948H1D01	—	92 × 92 × 38 mm	Yes	162
9G0948H1011	—	9G0948H1011	—	—	92 × 92 × 38 mm	No	162
9G0948H201	9G0948H202	9G0948H201	9G0948H2D01	—	92 × 92 × 32 mm	Yes	150
9G0948H2011	9G0948H2021	9G0948H2011	9G0948H2D011	—	92 × 92 × 32 mm	No	150
9G0948J101	—	9G0948J101	—	—	92 × 92 × 38 mm	Yes	162
9G0948J1011	—	9G0948J1011	—	9G0948P1J031	92 × 92 × 38 mm	No	162
9G0948M201	9G0948M202	9G0948M201	9G0948M2D01	—	92 × 92 × 32 mm	Yes	150
9G0948M2011	9G0948M2021	9G0948M2011	9G0948M2D011	—	92 × 92 × 32 mm	No	150
9G0948S201	9G0948S202	9G0948S201	9G0948S2D01	—	92 × 92 × 32 mm	Yes	150
9G0948S2011	9G0948S2021	9G0948S2011	9G0948S2D011	—	92 × 92 × 32 mm	No	150
9G1212A401	9G1212A402	9G1212A401	9G1212A4D01	—	120 × 120 × 25 mm	Yes	172
9G1212A4011	9G1212A4021	9G1212A4011	9G1212A4D011	—	120 × 120 × 25 mm	No	172
9G1212B401	—	9G1212B401	—	—	120 × 120 × 25 mm	Yes	172
9G1212B4011	—	9G1212B4011	—	—	120 × 120 × 25 mm	No	172
9G1212E101	9G1212E102	9G1212E101	9G1212E1D01	—	120 × 120 × 38 mm	Yes	186
9G1212E1011	9G1212E1021	9G1212E1011	9G1212E1D011	—	120 × 120 × 38 mm	No	186
9G1212E401	9G1212E402	9G1212E401	9G1212E4D01	9G1212P4E05	120 × 120 × 25 mm	Yes	172
9G1212E4011	9G1212E4021	9G1212E4011	9G1212E4D011	9G1212P4E041	120 × 120 × 25 mm	No	172
9G1212F101	9G1212F102	9G1212F101	9G1212F1D01	—	120 × 120 × 38 mm	Yes	186
9G1212F1011	9G1212F1021	9G1212F1011	—	—	120 × 120 × 38 mm	No	186
9G1212F401	9G1212F402	9G1212F401	9G1212F4D01	—	120 × 120 × 25 mm	Yes	172
9G1212F4011	9G1212F4021	9G1212F4011	9G1212F4D011	—	120 × 120 × 25 mm	No	172
9G1212G101	9G1212G102	9G1212G101	9G1212G1D01	9G1212P1G04	120 × 120 × 38 mm	Yes	186
9G1212G1011	9G1212G1021	9G1212G1011	9G1212G1D011	9G1212P1G081	120 × 120 × 38 mm	No	186
9G1212G401	9G1212G402	9G1212G401	9G1212G4D01	9G1212P4G03	120 × 120 × 25 mm	Yes	172
9G1212G4011	9G1212G4021	9G1212G4011	9G1212G4D011	9G1212P4G031	120 × 120 × 25 mm	No	172
9G1212H101	9G1212H102	9G1212H101	9G1212H1D01	—	120 × 120 × 38 mm	Yes	186
9G1212H1011	9G1212H1021	9G1212H1011	9G1212H1D011	—	120 × 120 × 38 mm	No	186
9G1212H401	9G1212H402	9G1212H401	9G1212H4D01	9G1212P4H04	120 × 120 × 25 mm	Yes	172
9G1212H4011	9G1212H4021	9G1212H4011	9G1212H4D011	9G1212P4H091	120 × 120 × 25 mm	No	172
9G1212M101	9G1212M102	9G1212M101	9G1212M1D01	—	120 × 120 × 38 mm	Yes	186
9G1212M1011	9G1212M1021	9G1212M1011	9G1212M1D011	—	120 × 120 × 38 mm	No	186
9G1212M401	9G1212M402	9G1212M401	9G1212M4D01	—	120 × 120 × 25 mm	Yes	172
9G1212M4011	9G1212M4021	9G1212M4011	9G1212M4D011	—	120 × 120 × 25 mm	No	172
9G1224A401	9G1224A402	9G1224A401	9G1224A4D01	—	120 × 120 × 25 mm	Yes	172
9G1224A4011	9G1224A4021	9G1224A4011	9G1224A4D011	—	120 × 120 × 25 mm	No	172
9G1224E101	9G1224E102	9G1224E101	9G1224E1D01	—	120 × 120 × 38 mm	Yes	186
9G1224E1011	9G1224E1021	9G1224E1011	9G1224E1D011	—	120 × 120 × 38 mm	No	186
9G1224E401	9G1224E402	9G1224E401	9G1224E4D01	9G1224P4E01	120 × 120 × 25 mm	Yes	172
9G1224E4011	9G1224E4021	9G1224E4011	9G1224E4D011	—	120 × 120 × 25 mm	No	172
9G1224F101	9G1224F102	9G1224F101	9G1224F1D01	—	120 × 120 × 38 mm	Yes	186
9G1224F1011	9G1224F1021	9G1224F1011	—	—	120 × 120 × 38 mm	No	186
9G1224F401	9G1224F402	9G1224F401	9G1224F4D01	—	120 × 120 × 25 mm	Yes	172
9G1224F4011	9G1224F4021	9G1224F4011	9G1224F4D011	—	120 × 120 × 25 mm	No	172
9G1224G101	9G1224G102	9G1224G101	9G1224G1D01	9G1224P1G01	120 × 120 × 38 mm	Yes	186
9G1224G1011	9G1224G1021	9G1224G1011	9G1224G1D011	—	120 × 120 × 38 mm	No	186
9G1224G401	9G1224G402	9G1224G401	9G1224G4D01	—	120 × 120 × 25 mm	Yes	172
9G1224G4011	9G1224G4021	9G1224G4011	9G1224G4D011	—	120 × 120 × 25 mm	No	172
9G1224H101	9G1224H102	9G1224H101	9G1224H1D01	—	120 × 120 × 38 mm	Yes	186
9G1224H1011	9G1224H1021	9G1224H1011	9G1224H1D011	—	120 × 120 × 38 mm	No	186
9G1224H401	9G1224H402	9G1224H401	9G1224H4D01	—	120 × 120 × 25 mm	Yes	172
9G1224H4011	9G1224H4021	9G1224H4011	9G1224H4D011	—	120 × 120 × 25 mm	No	172
9G1224M101	9G1224M102	9G1224M101	9G1224M1D01	—	120 × 120 × 38 mm	Yes	186
9G1224M1011	9G1224M1021	9G1224M1011	9G1224M1D011	—	120 × 120 × 38 mm	No	186
9G1224M401	9G1224M402	9G1224M401	9G1224M4D01	—	120 × 120 × 25 mm	Yes	172

Note 1: For compliance with standards, see individual product pages. Please contact your point of sale regarding low-speed sensors.

Note 2: The  mark indicates Short Lead Time Service applicable models. See p. 654 for details.