

# Index by Model No./Safety Standards List - DC Fans DC

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
109BC12FC7-1	109BC12FA7-1	109BC12FC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BC12GC7-1	109BC12GA7-1	109BC12GC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BC12HC7-1	109BC12HA7-1	109BC12HC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BC12MC7-1	109BC12MA7-1	109BC12MC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BC24FC7-1	109BC24FA7-1	109BC24FC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BC24GC7-1	109BC24GA7-1	109BC24GC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BC24HC7-1	109BC24HA7-1	109BC24HC7-1	—	Blower	52mm×15mm	—	✓	✓	✓	337
109BD12FC2	109BD12FA2	109BD12FC2	—	Blower	76mm×30mm	—	✓	✓	✓	341
109BD12HC2	109BD12HA2	109BD12HC2	109BD12P2H01	Blower	76mm×30mm	—	✓	✓	✓	341
109BD12MC2	109BD12MA2	109BD12MC2	—	Blower	76mm×30mm	—	✓	✓	✓	341
109BD24FC2	109BD24FA2	109BD24FC2	—	Blower	76mm×30mm	—	✓	✓	✓	341
109BD24HC2	109BD24HA2	109BD24HC2	—	Blower	76mm×30mm	—	✓	✓	✓	341
109BD24MC2	109BD24MA2	109BD24MC2	—	Blower	76mm×30mm	—	✓	✓	✓	341
109BF12HC2	109BF12HA2	109BF12HC2	—	Blower	120mm×32mm	—	✓	✓	✓	350
109BF12MC2	109BF12MA2	109BF12MC2	—	Blower	120mm×32mm	—	✓	✓	✓	350
109BF24HC2	109BF24HA2	109BF24HC2	—	Blower	120mm×32mm	—	✓	✓	✓	350
109BF24MC2	109BF24MA2	109BF24MC2	—	Blower	120mm×32mm	—	✓	✓	✓	350
109BG12HC1	109BG12HA1	109BG12HC1	—	Blower	160mm×40mm	—	✓	✓	✓	354
109BG12MC1	109BG12MA1	109BG12MC1	—	Blower	160mm×40mm	—	✓	✓	✓	354
109BG24HC1	109BG24HA1	109BG24HC1	—	Blower	160mm×40mm	—	✓	✓	✓	354
109BG24MC1	109BG24MA1	109BG24MC1	—	Blower	160mm×40mm	—	✓	✓	✓	354
109BJ12HC2	109BJ12HA2	109BJ12HC2	—	Blower	127mm×32mm	—	✓	✓	✓	353
109BJ12MC2	109BJ12MA2	109BJ12MC2	—	Blower	127mm×32mm	—	✓	✓	✓	353
109BJ24HC2	109BJ24HA2	109BJ24HC2	—	Blower	127mm×32mm	—	✓	✓	✓	353
109BJ24MC2	109BJ24MA2	109BJ24MC2	—	Blower	127mm×32mm	—	✓	✓	✓	353
109BM12GC2-1	109BM12GA2-1	109BM12GC2-1	—	Blower	97mm×33mm	—	✓	✓	✓	343
109BM12HC2-1	109BM12HA2-1	109BM12HC2-1	—	Blower	97mm×33mm	—	✓	✓	✓	343
109BM12MC2-1	109BM12MA2-1	109BM12MC2-1	109BM12P2M01	Blower	97mm×33mm	—	✓	✓	✓	343
109BM24GC2-1	109BM24GA2-1	109BM24GC2-1	—	Blower	97mm×33mm	—	✓	✓	✓	343
109BM24HC2-1	109BM24HA2-1	109BM24HC2-1	—	Blower	97mm×33mm	—	✓	✓	✓	343
109BM24MC2-1	109BM24MA2-1	109BM24MC2-1	—	Blower	97mm×33mm	—	✓	✓	✓	343
109E1312A101	109E1312A102	109E1312A101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1312S101	109E1312S102	109E1312S101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1324A101	109E1324A102	109E1324A101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1324G101	109E1324G102	109E1324G101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1324S101	109E1324S102	109E1324S101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1348A101	109E1348A102	109E1348A101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1348G101	109E1348G102	109E1348G101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1348S101	109E1348S102	109E1348S101	—	DC	127×127×38mm	No	✓	✓	✓	171
109E1712F501	109E1712F502	109E1712F501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1712H501	109E1712H502	109E1712H501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1712K501	109E1712K502	109E1712K501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1712M501	109E1712M502	109E1712M501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1712Y501	109E1712Y502	109E1712Y501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1724C501	109E1724C502	109E1724C501	9EH1724P5C01	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1724F501	109E1724F502	109E1724F501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1724H501	109E1724H502	109E1724H501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1724K501	109E1724K502	109E1724K501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1724M501	109E1724M502	109E1724M501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1748C501	109E1748C502	109E1748C501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1748F501	109E1748F502	109E1748F501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1748H501	109E1748H502	109E1748H501	—	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1748K501	109E1748K502	109E1748K501	109E1748P5K03	DC	φ172mm×51mm	No	✓	✓	✓	185
109E1748M501	109E1748M502	109E1748M501	—	DC	φ172mm×51mm	No	✓	✓	✓	185

Please contact your point of sale regarding lock sensors and low-speed sensors

Standard name	Certification number
UL	E46810
CSA	172248

※TÜV certification numbers differ by model.

※The contents of this catalog is as of September 2014.

Please ask us about new products that we released after September 2014 if you want.

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	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
109E4712L401	109E4712L402	109E4712L401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4712M401	109E4712M402	109E4712M401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4724F401	109E4712F402	109E4724F401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4724H401	109E4724H402	109E4724H401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4724L401	109E4724L402	109E4724L401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4724M401	109E4724M402	109E4724M401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4748F401	109E4748F402	109E4748F401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4748H401	109E4748H402	109E4748H401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4748L401	109E4748L402	109E4748L401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4748M401	109E4748M402	109E4748M401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E4748S401	109E4748S402	109E4748S401	—	DC	φ 172×147×25mm	No	✓	✓	✓	177
109E5712F501	109E5712F502	109E5712F501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5712H501	109E5712H502	109E5712H501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5712K501	109E5712K502	109E5712K501	109E5712P5K04	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5712M501	109E5712M502	109E5712M501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5712Y501	109E5712Y502	109E5712Y501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5724C501	109E5724C502	109E5724C501	9EH5724P5C01	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5724F501	109E5724F502	109E5724F501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5724H501	109E5724H502	109E5724H501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5724K501	109E5724K502	109E5724K501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5724M501	109E5724M502	109E5724M501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5748C501	109E5748C502	109E5748C501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5748F501	109E5748F502	109E5748F501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5748H501	109E5748H502	109E5748H501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5748K501	109E5748K502	109E5748K501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109E5748M501	109E5748M502	109E5748M501	—	DC	φ 172×150×51mm	No	✓	✓	✓	183
109L1412H101	109L1412H102	109L1412H101	—	Long Life Fan	140×140×38mm	No	✓	✓	✓	317
109L1412M101	109L1412M102	109L1412M101	—	Long Life Fan	140×140×38mm	No	✓	✓	✓	317
109L1424H101	109L1424H102	109L1424H101	—	Long Life Fan	140×140×38mm	No	✓	✓	✓	317
109L1424M101	109L1424M102	109L1424M101	—	Long Life Fan	140×140×38mm	No	✓	✓	✓	317
109L1448H101	109L1448H102	109L1448H101	—	Long Life Fan	140×140×38mm	No	✓	✓	✓	317
109L1448M101	109L1448M102	109L1448M101	—	Long Life Fan	140×140×38mm	No	✓	✓	✓	317
109L1712H501	109L1712H502	109L1712H501	—	Long Life Fan	φ 172mm×51mm	No	✓	✓	✓	323
109L1712M501	109L1712M502	109L1712M501	—	Long Life Fan	φ 172mm×51mm	No	✓	✓	✓	323
109L1724H501	109L1724H502	109L1724H501	—	Long Life Fan	φ 172mm×51mm	No	✓	✓	✓	323
109L1724M501	109L1724M502	109L1724M501	—	Long Life Fan	φ 172mm×51mm	No	✓	✓	✓	323
109L1748H501	109L1748H502	109L1748H501	—	Long Life Fan	φ 172mm×51mm	No	✓	✓	✓	323
109L1748M501	109L1748M502	109L1748M501	—	Long Life Fan	φ 172mm×51mm	No	✓	✓	✓	323
109L5712H501	109L5712H502	109L5712H501	—	Long Life Fan	φ 172×150×51mm	No	✓	✓	✓	321
109L5712M501	109L5712M502	109L5712M501	—	Long Life Fan	φ 172×150×51mm	No	✓	✓	✓	321
109L5724H501	109L5724H502	109L5724H501	—	Long Life Fan	φ 172×150×51mm	No	✓	✓	✓	321
109L5724M501	109L5724M502	109L5724M501	—	Long Life Fan	φ 172×150×51mm	No	✓	✓	✓	321
109L5748H501	109L5748H502	109L5748H501	—	Long Life Fan	φ 172×150×51mm	No	✓	✓	✓	321
109L5748M501	109L5748M502	109L5748M501	—	Long Life Fan	φ 172×150×51mm	No	✓	✓	✓	321
109P0405F3013	109P0405F3023	109P0405F3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0405F601	109P0405F602	109P0405F601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0405H3013	109P0405H3023	109P0405H3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0405H601	109P0405H602	109P0405H601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0405H701	109P0405H702	109P0405H701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0405H901	109P0405H902	109P0405H901	—	DC	40×40×10mm	Yes	✓	✓	✓	17
109P0405J601	109P0405J602	109P0405J601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0405M601	109P0405M602	109P0405M601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0405M701	109P0405M702	109P0405M701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0405M901	109P0405M902	109P0405M901	—	DC	40×40×10mm	Yes	✓	✓	✓	17
109P0412B3013	109P0412B3023	109P0412B3013	109P0412P3B013	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0412D601	109P0412D602	109P0412D601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0412E601	109P0412E602	109P0412E601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0412F3013	109P0412F3023	109P0412F3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0412F601	109P0412F602	109P0412F601	9PH0412P6F03	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0412G3013	109P0412G3023	109P0412G3013	109P0412P3G033	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0412G601	109P0412G602	109P0412G601	9PH0412P6G03	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0412H3013	109P0412H3023	109P0412H3013	109P0412P3H013	DC	40×40×28mm	Yes	✓	✓	✓	39

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109P0412H601	109P0412H602	109P0412H601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0412H701	109P0412H702	109P0412H701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0412H901	109P0412H902	109P0412H901	—	DC	40×40×10mm	Yes	✓	✓	✓	17
109P0412J3013	109P0412J3023	109P0412J3013	109P0412P3J033	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0412K3013	109P0412K3023	109P0412K3013	9PH0412P3K033	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0412M3013	109P0412M3023	109P0412M3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0412M601	109P0412M602	109P0412M601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0412M701	109P0412M702	109P0412M701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0412M901	109P0412M902	109P0412M901	—	DC	40×40×10mm	Yes	✓	✓	✓	17
109P0412R701	109P0412R702	109P0412R701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0412S701	109P0412S702	109P0412S701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0424B3013	109P0424B3023	109P0424B3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0424B601	109P0424B602	109P0424B601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0424D601	109P0424D602	109P0424D601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0424F3013	109P0424F3023	109P0424F3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0424F601	109P0424F602	109P0424F601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0424G3013	109P0424G3023	109P0424G3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0424G601	109P0424G602	109P0424G601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0424H3013	109P0424H3023	109P0424H3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0424H601	109P0424H602	109P0424H601	—	DC	40×40×20mm	Yes	✓	✓	✓	27
109P0424H701	109P0424H702	109P0424H701	—	DC	40×40×15mm	Yes	✓	✓	✓	21
109P0424J3013	109P0424J3023	109P0424J3013	—	DC	40×40×28mm	Yes	✓	✓	✓	39
109P0424R3013	109P0424R3023	109P0424R3013	—	DC	40×40×28mm	Yes	—	—	—	39
109P0505M701	109P0505M702	109P0505M701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0512A701	109P0512A702	109P0512A701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0512H701	109P0512H702	109P0512H701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0512M701	109P0512M702	109P0512M701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0524A701	109P0524A702	109P0524A701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0524H701	109P0524H702	109P0524H701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0524M701	109P0524M702	109P0524M701	—	DC	52×52×15mm	Yes	✓	✓	✓	47
109P0605H701	109P0605H702	109P0605H701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0605M701	109P0605M702	109P0605M701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0612B701	109P0612B702	109P0612B701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0612H601	109P0612H602	109P0612H601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0612H701	109P0612H702	109P0612H701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0612K701	109P0612K702	109P0612K701	—	DC	60×60×15mm	Yes	—	—	—	53
109P0612M601	109P0612M602	109P0612M601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0612M701	109P0612M702	109P0612M701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0612S701	109P0612S702	109P0612S701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0612W601	109P0612W602	109P0612W601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0624H601	109P0624H602	109P0624H601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0624H701	109P0624H702	109P0624H701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0624J701	109P0624J702	109P0624J701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0624M601	109P0624M602	109P0624M601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0624M701	109P0624M702	109P0624M701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0624S701	109P0624S702	109P0624S701	—	DC	60×60×15mm	Yes	✓	✓	✓	53
109P0624W601	109P0624W602	109P0624W601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0648H601	109P0648H602	109P0648H601	—	DC	60×60×20mm	Yes	✓	✓	✓	59
109P0812A201	109P0812A202	109P0812A201	—	DC	80×80×32mm	Yes	✓	✓	✓	111
109P0812A2011	109P0812A2021	109P0812A2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0812C601	109P0812C602	109P0812C601	—	DC	80×80×20mm	Yes	—	—	—	91
109P0812H201	109P0812H202	109P0812H201	—	DC	80×80×32mm	Yes	✓	✓	✓	111
109P0812H2011	109P0812H2021	109P0812H2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0812H601	109P0812H602	109P0812H601	—	DC	80×80×20mm	Yes	✓	✓	✓	91
109P0812H701	109P0812H702	109P0812H701	—	DC	80×80×15mm	Yes	✓	✓	✓	87
109P0812M201	109P0812M202	109P0812M201	—	DC	80×80×32mm	Yes	✓	✓	✓	111
109P0812M2011	109P0812M2021	109P0812M2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0812M601	109P0812M602	109P0812M601	—	DC	80×80×20mm	Yes	✓	✓	✓	91
109P0812M701	109P0812M702	109P0812M701	—	DC	80×80×15mm	Yes	✓	✓	✓	87
109P0824A201	109P0824A202	109P0824A201	—	DC	80×80×32mm	Yes	✓	✓	✓	111
109P0824A2011	109P0824A2021	109P0824A2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0824H201	109P0824H202	109P0824H201	—	DC	80×80×32mm	Yes	✓	✓	✓	111

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	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
109P0824H2011	109P0824H2021	109P0824H2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0824H601	109P0824H602	109P0824H601	—	DC	80×80×20mm	Yes	✓	✓	✓	91
109P0824H701	109P0824H702	109P0824H701	—	DC	80×80×15mm	Yes	✓	✓	✓	87
109P0824M201	109P0824M202	109P0824M201	—	DC	80×80×32mm	Yes	✓	✓	✓	111
109P0824M2011	109P0824M2021	109P0824M2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0824M601	109P0824M602	109P0824M601	—	DC	80×80×20mm	Yes	✓	✓	✓	91
109P0824M701	109P0824M702	109P0824M701	—	DC	80×80×15mm	Yes	✓	✓	✓	87
109P0848C601	109P0848C602	109P0848C601	—	DC	80×80×20mm	Yes	✓	✓	✓	91
109P0848H201	109P0848H202	109P0848H201	—	DC	80×80×32mm	Yes	✓	✓	✓	111
109P0848H2011	109P0848H2021	109P0848H2011	—	DC	80×80×32mm	No	✓	✓	✓	111
109P0848H601	—	109P0848H601	—	DC	80×80×20mm	Yes	✓	✓	✓	91
109P0912F401	109P0912F402	109P0912F401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0912F4011	109P0912F4021	109P0912F4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0912H401	109P0912H402	109P0912H401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0912H4011	109P0912H4021	109P0912H4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0912J401	109P0912J402	109P0912J401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0912J4011	109P0912J4021	109P0912J4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0912L401	109P0912L402	109P0912L401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0912L4011	109P0912L4021	109P0912L4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0912M401	109P0912M402	109P0912M401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0912M4011	109P0912M4021	109P0912M4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0912W401	109P0912W402	109P0912W401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0912W4011	109P0912W4021	109P0912W4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0924F401	109P0924F402	109P0924F401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0924F4011	109P0924F4021	109P0924F4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0924H401	109P0924H402	109P0924H401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0924H4011	109P0924H4021	109P0924H4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0924L401	109P0924L402	109P0924L401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0924L4011	109P0924L4021	109P0924L4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0924M401	109P0924M402	109P0924M401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0924M4011	109P0924M4021	109P0924M4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0924W401	109P0924W402	109P0924W401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0924W4011	109P0924W4021	109P0924W4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P0948H401	109P0948H402	109P0948H401	—	DC	92×92×25mm	Yes	✓	✓	✓	131
109P0948H4011	109P0948H4021	109P0948H4011	—	DC	92×92×25mm	No	✓	✓	✓	131
109P1312H101	109P1312H102	109P1312H101	—	DC	127×127×38mm	Yes	✓	✓	✓	169
109P1312H1011	109P1312H1021	109P1312H1011	—	DC	127×127×38mm	No	✓	✓	✓	169
109P1312S101	109P1312S102	109P1312S101	—	DC	127×127×38mm	Yes	✓	✓	✓	169
109P1312S1011	109P1312S1021	109P1312S1011	—	DC	127×127×38mm	No	✓	✓	✓	169
109P1324H101	109P1324H102	109P1324H101	—	DC	127×127×38mm	Yes	✓	✓	✓	169
109P1324H1011	109P1324H1021	109P1324H1011	—	DC	127×127×38mm	No	✓	✓	✓	169
109P1324S101	109P1324S102	109P1324S101	—	DC	127×127×38mm	Yes	✓	✓	✓	169
109P1324S1011	109P1324S1021	109P1324S1011	—	DC	127×127×38mm	No	✓	✓	✓	169
109P1348H101	109P1348H102	109P1348H101	—	DC	127×127×38mm	Yes	✓	✓	✓	169
109P1348H1011	109P1348H1021	109P1348H1011	—	DC	127×127×38mm	No	✓	✓	✓	169
109P1348S101	109P1348S102	109P1348S101	—	DC	127×127×38mm	Yes	✓	✓	✓	169
109P1348S1011	109P1348S1021	109P1348S1011	—	DC	127×127×38mm	No	✓	✓	✓	169
109P1412H101	109P1412H102	109P1412H101	—	DC	140×140×38mm	Yes	✓	✓	✓	173
109P1412M101	109P1412M102	109P1412M101	—	DC	140×140×38mm	Yes	✓	✓	✓	173
109P1424H101	109P1424H102	109P1424H101	—	DC	140×140×38mm	Yes	✓	✓	✓	173
109P1424M101	109P1424M102	109P1424M101	—	DC	140×140×38mm	Yes	✓	✓	✓	173
109P1448H101	109P1448H102	109P1448H101	—	DC	140×140×38mm	Yes	✓	✓	✓	173
109P1448M101	109P1448M102	109P1448M101	—	DC	140×140×38mm	Yes	✓	✓	✓	173
109R0605F401	109R0605F402	109R0605F401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0605F4011	109R0605F4021	109R0605F4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0605H401	109R0605H402	109R0605H401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0605H4011	109R0605H4021	109R0605H4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0605M401	109R0605M402	109R0605M401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0605M4011	109R0605M4021	109R0605M4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0612D401	109R0612D402	109R0612D401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0612D4011	109R0612D4021	109R0612D4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0612F401	109R0612F402	109R0612F401	—	DC	60×60×25mm	Yes	✓	✓	✓	65

Please contact your point of sale regarding lock sensors and low-speed sensors.

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
109R0612F4011	109R0612F4021	109R0612F4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0612G401	109R0612G402	109R0612G401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0612G4011	109R0612G4021	109R0612G4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0612H401	109R0612H402	109R0612H401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0612H4011	109R0612H4021	109R0612H4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0612J401	109R0612J402	109R0612J401	109R0612PJ403	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0612J4011	109R0612J4021	109R0612J4011	109R0612PJ4061	DC	60×60×25mm	No	✓	✓	✓	65
109R0612M401	109R0612M402	109R0612M401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0612M4011	109R0612M4021	109R0612M4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0612S401	109R0612S402	109R0612S401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0612S4011	109R0612S4021	109R0612S4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624D401	109R0624D402	109R0624D401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624D4011	109R0624D4021	109R0624D4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624F401	109R0624F402	109R0624F401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624F4011	109R0624F4021	109R0624F4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624G401	109R0624G402	109R0624G401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624G4011	109R0624G4021	109R0624G4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624H401	109R0624H402	109R0624H401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624H4011	109R0624H4021	109R0624H4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624J401	109R0624J402	109R0624J401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624J4011	109R0624J4021	109R0624J4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624M401	109R0624M402	109R0624M401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624M4011	109R0624M4021	109R0624M4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0624S401	109R0624S402	109R0624S401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0624S4011	109R0624S4021	109R0624S4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0648G401	109R0648G402	109R0648G401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0648G4011	109R0648G4021	109R0648G4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0648H401	109R0648H402	109R0648H401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0648H4011	109R0648H4021	109R0648H4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0648J401	109R0648J402	109R0648J401	—	DC	60×60×25mm	Yes	✓	✓	✓	65
109R0648J4011	109R0648J4021	109R0648J4011	—	DC	60×60×25mm	No	✓	✓	✓	65
109R0805F401	109R0805F402	109R0805F401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0805F4011	109R0805F4021	109R0805F4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0805M401	109R0805M402	109R0805M401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0805M4011	109R0805M4021	109R0805M4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0812E401	109R0812E402	109R0812E401	—	DC	80×80×25mm	Yes	—	—	—	103
109R0812E4011	—	109R0812E4011	—	DC	80×80×25mm	No	—	—	—	103
109R0812F401	109R0812F402	109R0812F401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0812F4011	109R0812F4021	109R0812F4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0812G401	109R0812G402	109R0812G401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0812G4011	109R0812G4021	109R0812G4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0812H401	109R0812H402	109R0812H401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0812H4011	109R0812H4021	109R0812H4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0812L401	109R0812L402	109R0812L401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0812L4011	109R0812L4021	109R0812L4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0812M401	109R0812M402	109R0812M401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0812M4011	109R0812M4021	109R0812M4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0812S401	109R0812S402	109R0812S401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0812S4011	109R0812S4021	109R0812S4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0824F401	109R0824F402	109R0824F401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0824F4011	109R0824F4021	109R0824F4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0824G401	109R0824G402	109R0824G401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0824G4011	109R0824G4021	109R0824G4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0824H401	109R0824H402	109R0824H401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0824H4011	109R0824H4021	109R0824H4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0824L401	109R0824L402	109R0824L401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0824L4011	109R0824L4021	109R0824L4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0824M401	109R0824M402	109R0824M401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0824M4011	109R0824M4021	109R0824M4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0824S401	109R0824S402	109R0824S401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0824S4011	109R0824S4021	109R0824S4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0848K401	109R0848K402	109R0848K401	—	DC	80×80×25mm	Yes	✓	✓	✓	103

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
109R0848K4011	109R0848K4021	109R0848K4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109R0848S401	109R0848S402	109R0848S401	—	DC	80×80×25mm	Yes	✓	✓	✓	103
109R0848S4011	109R0848S4021	109R0848S4011	—	DC	80×80×25mm	No	✓	✓	✓	103
109W1412H101-U	109W1412H102-U	109W1412H101-U	—	Splash Proof Fan	140×140×38mm	No	✓	✓	✓	255
109W1412M101-U	109W1412M102-U	109W1412M101-U	—	Splash Proof Fan	140×140×38mm	No	✓	✓	✓	255
109W1424H101-U	109W1424H102-U	109W1424H101-U	—	Splash Proof Fan	140×140×38mm	No	✓	✓	✓	255
109W1424M101-U	109W1424M102-U	109W1424M101-U	—	Splash Proof Fan	140×140×38mm	No	✓	✓	✓	255
109W1448H101-U	109W1448H102-U	109W1448H101-U	—	Splash Proof Fan	140×140×38mm	No	✓	✓	✓	255
109W1448M101-U	109W1448M102-U	109W1448M101-U	—	Splash Proof Fan	140×140×38mm	No	✓	✓	✓	255
9A0612F401	9A0612F402	9A0612F401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0612F4011	9A0612F4021	9A0612F4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0612G401	9A0612G402	9A0612G401	9AH0612P4G03	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0612G4011	9A0612G4021	9A0612G4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0612H401	9A0612H402	9A0612H401	9AH0612P4H05	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0612H4011	9A0612H4021	9A0612H4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0612M401	9A0612M402	9A0612M401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0612M4011	9A0612M4021	9A0612M4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0612S401	9A0612S402	9A0612S401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0612S4011	9A0612S4021	9A0612S4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0624F401	9A0624F402	9A0624F401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0624F4011	9A0624F4021	9A0624F4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0624G401	9A0624G402	9A0624G401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0624G4011	9A0624G4021	9A0624G4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0624H401	9A0624H402	9A0624H401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0624H4011	9A0624H4021	9A0624H4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0624M401	9A0624M402	9A0624M401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0624M4011	9A0624M4021	9A0624M4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0624S401	9A0624S402	9A0624S401	—	DC	60×60×25mm	Yes	✓	✓	✓	69
9A0624S4011	9A0624S4021	9A0624S4011	—	DC	60×60×25mm	No	✓	✓	✓	69
9A0812F401	9A0812F402	9A0812F401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0812F4011	9A0812F4021	9A0812F4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0812G401	9A0812G402	9A0812G401	9AH0812P4G04	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0812G4011	9A0812G4021	9A0812G4011	9AH0812P4G011	DC	80×80×25mm	No	✓	✓	✓	107
9A0812H401	9A0812H402	9A0812H401	9AH0812P4H04	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0812H4011	9A0812H4021	9A0812H4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0812L401	9A0812L402	9A0812L401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0812L4011	9A0812L4021	9A0812L4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0812M401	9A0812M402	9A0812M401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0812M4011	9A0812M4021	9A0812M4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0812S401	9A0812S402	9A0812S401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0812S4011	9A0812S4021	9A0812S4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0824F401	9A0824F402	9A0824F401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0824F4011	9A0824F4021	9A0824F4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0824G401	9A0824G402	9A0824G401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0824G4011	9A0824G4021	9A0824G4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0824H401	9A0824H402	9A0824H401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0824H4011	9A0824H4021	9A0824H4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0824L401	9A0824L402	9A0824L401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0824L4011	9A0824L4021	9A0824L4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0824M401	9A0824M402	9A0824M401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0824M4011	9A0824M4021	9A0824M4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0824S401	9A0824S402	9A0824S401	—	DC	80×80×25mm	Yes	✓	✓	✓	107
9A0824S4011	9A0824S4021	9A0824S4011	—	DC	80×80×25mm	No	✓	✓	✓	107
9A0912F401	9A0912F402	9A0912F401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0912F4011	9A0912F4021	9A0912F4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0912G401	9A0912G402	9A0912G401	9AH0912P4G03	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0912G4011	9A0912G4021	9A0912G4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0912H401	9A0912H402	9A0912H401	9AH0912P4H03	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0912H4011	9A0912H4021	9A0912H4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0912L401	9A0912L402	9A0912L401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0912L4011	9A0912L4021	9A0912L4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0912M401	9A0912M402	9A0912M401	—	DC	92×92×25mm	Yes	✓	✓	✓	133

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9A0912M4011	9A0912M4021	9A0912M4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0912S401	9A0912S402	9A0912S401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0912S4011	9A0912S4021	9A0912S4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0924F401	9A0924F402	9A0924F401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0924F4011	9A0924F4021	9A0924F4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0924G401	9A0924G402	9A0924G401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0924G4011	9A0924G4021	9A0924G4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0924H401	9A0924H402	9A0924H401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0924H4011	9A0924H4021	9A0924H4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0924L401	9A0924L402	9A0924L401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0924L4011	9A0924L4021	9A0924L4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0924M401	9A0924M402	9A0924M401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0924M4011	9A0924M4021	9A0924M4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0924S401	9A0924S402	9A0924S401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0924S4011	9A0924S4021	9A0924S4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9A0948S401	9A0948S402	9A0948S401	—	DC	92×92×25mm	Yes	✓	✓	✓	133
9A0948S4011	9A0948S4021	9A0948S4011	—	DC	92×92×25mm	No	✓	✓	✓	133
9BD12FC6-1	9BD12FA6-1	9BD12FC6-1	—	Blower	76mm×20mm	—	✓	✓	✓	339
9BD12HC6-1	9BD12HA6-1	9BD12HC6-1	—	Blower	76mm×20mm	—	✓	✓	✓	339
9BD12SC6-1	9BD12SA6-1	9BD12SC6-1	9BD12P6S01	Blower	76mm×20mm	—	✓	✓	✓	339
9BD24FC6-1	9BD24FA6-1	9BD24FC6-1	—	Blower	76mm×20mm	—	✓	✓	✓	339
9BD24HC6-1	9BD24HA6-1	9BD24HC6-1	—	Blower	76mm×20mm	—	✓	✓	✓	339
9BD24SC6-1	9BD24SA6-1	9BD24SC6-1	9BD24P6S06	Blower	76mm×20mm	—	✓	✓	✓	339
9BFB12P2H003	—	—	9BFB12P2H003	Blower	120mm×32mm	—	✓	✓	✓	351
9BFB24P2H003	—	—	9BFB24P2H003	Blower	120mm×32mm	—	✓	✓	✓	351
9BMB12F201	9BMB12F202	9BMB12F201	9BMB12P2F01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12G201	9BMB12G202	9BMB12G201	9BMB12P2G01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12H201	9BMB12H202	9BMB12H201	9BMB12P2H01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12K201	9BMB12K202	9BMB12K201	9BMB12P2K01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12P2F01	9BMB12F202	9BMB12F201	9BMB12P2F01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12P2G01	9BMB12G202	9BMB12G201	9BMB12P2G01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12P2H01	9BMB12H202	9BMB12H201	9BMB12P2H01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12P2K01	9BMB12K202	9BMB12K201	9BMB12P2K01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12P2S01	9BMB12S202	9BMB12S201	9BMB12P2S01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB12S201	9BMB12S202	9BMB12S201	9BMB12P2S01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24F201	9BMB24F202	9BMB24F201	9BMB24P2F01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24G201	9BMB24G202	9BMB24G201	9BMB24P2G01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24H201	9BMB24H202	9BMB24H201	9BMB24P2H01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24K201	9BMB24K202	9BMB24K201	9BMB24P2K01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24P2F01	9BMB24F202	9BMB24F201	9BMB24P2F01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24P2G01	9BMB24G202	9BMB24G201	9BMB24P2G01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24P2H01	9BMB24H202	9BMB24H201	9BMB24P2H01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24P2K01	9BMB24K202	9BMB24K201	9BMB24P2K01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24P2S01	9BMB24S202	9BMB24S201	9BMB24P2S01	Blower	97mm×33mm	—	✓	✓	✓	345
9BMB24S201	9BMB24S202	9BMB24S201	9BMB24P2S01	Blower	97mm×33mm	—	✓	✓	✓	345
9CR0612P5G03	—	9CR0612G501	9CR0612P5G03	Counter Rotating Fan	60×60×51mm	—	✓	✓	✓	207
9CR0612P5H03	—	9CR0612H501	9CR0612P5H03	Counter Rotating Fan	60×60×51mm	—	✓	✓	✓	207
9CR1212P0G03	9CR1212G002	9CR1212G001	9CR1212P0G03	Counter Rotating Fan	120×120×76mm	—	✓	✓	✓	215
9CR5748P9G001	—	—	9CR5748P9G001	Counter Rotating Fan	φ172mm×150mm×102mm	—	✓	✓	✓	217
9CRA0312P4J03	—	9CRA0312J401	9CRA0312P4J03	Counter Rotating Fan	38×38×48mm	—	✓	✓	✓	193
9CRA0312P4K03	9CRA0312K402	—	9CRA0312P4K03	Counter Rotating Fan	38×38×48mm	—	✓	✓	✓	193
9CRA0412P4G03	9CRA0412G402	—	9CRA0412P4G03	Counter Rotating Fan	40×40×48mm	—	✓	✓	✓	195
9CRA0412P4J03	9CRA0412J402	9CRA0412J401	9CRA0412P4J03	Counter Rotating Fan	40×40×48mm	—	✓	✓	✓	195
9CRA0412P4K03	9CRA0412K402	9CRA0412K401	9CRA0412P4K03	Counter Rotating Fan	40×40×48mm	—	✓	✓	✓	195
9CRA0612P0G001	—	—	9CRA0612P0G001	Counter Rotating Fan	60×60×76mm	—	✓	✓	✓	211
9CRA0612P0S001	—	—	9CRA0612P0S001	Counter Rotating Fan	60×60×76mm	—	✓	✓	✓	211
9CRA0612P6G001	—	—	9CRA0612P6G001	Counter Rotating Fan	60×60×56mm	—	✓	✓	✓	209
9CRA0612P6J001	—	—	9CRA0612P6J001	Counter Rotating Fan	60×60×56mm	—	✓	✓	✓	209
9CRA0612P6K001	—	—	9CRA0612P6K001	Counter Rotating Fan	60×60×56mm	—	✓	✓	✓	209
9CRA0812P8G001	—	9CRA0812G8001	9CRA0812P8G001	Counter Rotating Fan	80×80×80mm	—	✓	✓	✓	213
9CRA0848P8G001	—	—	9CRA0848P8G001	Counter Rotating Fan	80×80×80mm	—	✓	✓	✓	213
9CRB0412P5J201	—	—	9CRB0412P5J201	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	197

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	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9CRB0412P5K001	—	—	9CRB0412P5K001	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	197
9CRB0412P5S201	—	—	9CRB0412P5S201	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	197
9CRD0412P5G03	—	—	9CRD0412P5G03	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	201
9CRD0412P5H03	—	—	9CRD0412P5H03	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	201
9CRD0412P5J03	—	—	9CRD0412P5J03	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	201
9CRD0412P5M03	—	—	9CRD0412P5M03	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	201
9CRE0412P5J03	9CRE0412J502	—	9CRE0412P5J03	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	205
9CRF0412P5K201	—	—	9CRF0412P5K201	Counter Rotating Fan	40×40×56mm	—	✓	✓	✓	199
9CRL0612P0G001	—	—	9CRL0612P0G001	Long Life Fan	60×60×76mm	No	✓	✓	✓	297
9CRL0812P8G001	—	—	9CRL0812P8G001	Long Life Fan	80×80×80mm	No	✓	✓	✓	303
9EC2024H001	9EC2024H002	9EC2024H001	—	DC	φ200mm×70mm	No	✓	✓	✓	189
9EC2048A001	9EC2048A002	9EC2048A001	9EC2048P0A01	DC	φ200mm×70mm	No	✓	✓	✓	189
9EC2048H001	—	9EC2048H001	—	DC	φ200mm×70mm	No	✓	✓	✓	189
9EC2048J001	9EC2048J002	9EC2048J001	9EC2048P0J01	DC	φ200mm×70mm	No	—	—	—	189
9G0612G101	9G0612G102	9G0612G101	9G0612P1G03	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0612G1011	9G0612G1021	9G0612G1011	9G0612P1G011	DC	60×60×38mm	No	✓	✓	✓	79
9G0612P4H001	9G0612H4002	—	9G0612P4H001	DC	60×60×25mm	Yes	✓	✓	✓	63
9G0612P4H0011	9G0612H40021	9G0612H40011	9G0612P4H0011	DC	60×60×25mm	No	✓	✓	✓	63
9G0612P4S001	9G0612S4002	9G0612S4001	9G0612P4S001	DC	60×60×25mm	Yes	✓	✓	✓	63
9G0612P4S0011	9G0612S40021	—	9G0612P4S0011	DC	60×60×25mm	No	✓	✓	✓	63
9G0612S101	9G0612S102	9G0612S101	—	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0612S1011	9G0612S1021	9G0612S1011	—	DC	60×60×38mm	No	✓	✓	✓	79
9G0624G101	9G0624G102	9G0624G101	9G0624P1G03	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0624G1011	9G0624G1021	9G0624G1011	9G0624P1G031	DC	60×60×38mm	No	✓	✓	✓	79
9G0624H101	9G0624H102	9G0624H101	—	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0624H1011	9G0624H1021	9G0624H1011	—	DC	60×60×38mm	No	✓	✓	✓	79
9G0624P4H001	9G0624H4002	9G0624H4001	9G0624P4H001	DC	60×60×25mm	Yes	✓	✓	✓	63
9G0624P4H0011	9G0624H40021	—	9G0624P4H0011	DC	60×60×25mm	No	✓	✓	✓	63
9G0624P4S001	9G0624S4002	—	9G0624P4S001	DC	60×60×25mm	Yes	✓	✓	✓	63
9G0624P4S0011	—	—	9G0624P4S0011	DC	60×60×25mm	No	✓	✓	✓	63
9G0624S101	9G0624S102	9G0624S101	—	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0624S1011	9G0624S1021	9G0624S1011	—	DC	60×60×38mm	No	✓	✓	✓	79
9G0648G101	9G0648G102	9G0648G101	9G0648P1G01	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0648G1011	9G0648G1021	9G0648G1011	9G0648P1G011	DC	60×60×38mm	No	✓	✓	✓	79
9G0648P4S001	—	—	9G0648P4S001	DC	60×60×25mm	Yes	✓	✓	✓	63
9G0648P4S0011	—	—	9G0648P4S0011	DC	60×60×25mm	No	✓	✓	✓	63
9G0648S101	9G0648S102	9G0648S101	—	DC	60×60×38mm	Yes	✓	✓	✓	79
9G0648S1011	9G0648S1021	9G0648S1011	—	DC	60×60×38mm	No	✓	✓	✓	79
9G0812G101	9G0812G102	9G0812G101	9G0812P1G04	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0812G1011	9G0812G1021	9G0812G1011	—	DC	80×80×38mm	No	✓	✓	✓	123
9G0812H101	9G0812H102	9G0812H101	9G0812P1H03	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0812H1011	9G0812H1021	9G0812H1011	9G0812P1H051	DC	80×80×38mm	No	✓	✓	✓	123
9G0812K101	9G0812K102	9G0812K101	9G0812P1K08	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0812K1011	9G0812K1021	9G0812K1011	9G0812P1K081	DC	80×80×38mm	No	✓	✓	✓	123
9G0824G101	9G0824G102	9G0824G101	9G0824P1G04	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0824G1011	9G0824G1021	9G0824G1011	—	DC	80×80×38mm	No	✓	✓	✓	123
9G0824H101	9G0824H102	9G0824H101	—	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0824H1011	9G0824H1021	9G0824H1011	—	DC	80×80×38mm	No	✓	✓	✓	123
9G0848G101	9G0848G102	9G0848G101	9G0848P1G03	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0848G1011	9G0848G1021	9G0848G1011	—	DC	80×80×38mm	No	✓	✓	✓	123
9G0848H101	9G0848H102	9G0848H101	9G0848P1H04	DC	80×80×38mm	Yes	✓	✓	✓	123
9G0848H1011	9G0848H1021	9G0848H1011	—	DC	80×80×38mm	No	✓	✓	✓	123
9G0912A201	9G0912A202	9G0912A201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0912A2011	9G0912A2021	9G0912A2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0912G101	9G0912G102	9G0912G101	9G0912P1G03	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0912G1011	9G0912G1021	9G0912G1011	9G0912P1G031	DC	92×92×38mm	No	✓	✓	✓	145
9G0912H101	9G0912H102	9G0912H101	9G0912P1H05	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0912H1011	9G0912H1021	9G0912H1011	—	DC	92×92×38mm	No	✓	✓	✓	145
9G0912H201	9G0912H202	9G0912H201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0912H2011	9G0912H2021	9G0912H2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0912M201	9G0912M202	9G0912M201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0912M2011	9G0912M2021	9G0912M2011	—	DC	92×92×32mm	No	✓	✓	✓	135



Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9G0912S201	9G0912S202	9G0912S201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0912S2011	9G0912S2021	9G0912S2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0924A201	9G0924A202	9G0924A201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0924A2011	9G0924A2021	9G0924A2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0924G101	9G0924G102	9G0924G101	—	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0924G1011	9G0924G1021	9G0924G1011	—	DC	92×92×38mm	No	✓	✓	✓	145
9G0924H101	9G0924H102	9G0924H101	—	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0924H1011	9G0924H1021	9G0924H1011	—	DC	92×92×38mm	No	✓	✓	✓	145
9G0924H201	9G0924H202	9G0924H201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0924H2011	9G0924H2021	9G0924H2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0924M201	9G0924M202	9G0924M201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0924M2011	9G0924M2021	9G0924M2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0924S201	9G0924S202	9G0924S201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0924S2011	9G0924S2021	9G0924S2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0948A201	9G0948A202	9G0948A201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0948A2011	9G0948A2021	9G0948A2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0948G101	9G0948G102	9G0948G101	—	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0948G1011	9G0948G1021	9G0948G1011	—	DC	92×92×38mm	No	✓	✓	✓	145
9G0948H101	9G0948H102	9G0948H101	—	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0948H1011	—	9G0948H1011	—	DC	92×92×38mm	No	✓	✓	✓	145
9G0948H201	9G0948H202	9G0948H201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0948H2011	9G0948H2021	9G0948H2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0948J101	—	9G0948J101	—	DC	92×92×38mm	Yes	✓	✓	✓	145
9G0948J1011	—	9G0948J1011	9G0948P1J031	DC	92×92×38mm	No	✓	✓	✓	145
9G0948M201	9G0948M202	9G0948M201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0948M2011	9G0948M2021	9G0948M2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G0948S201	9G0948S202	9G0948S201	—	DC	92×92×32mm	Yes	✓	✓	✓	135
9G0948S2011	9G0948S2021	9G0948S2011	—	DC	92×92×32mm	No	✓	✓	✓	135
9G1212A401	9G1212A402	9G1212A401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1212A4011	9G1212A4021	9G1212A4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1212B401	—	9G1212B401	—	DC	120×120×25mm	Yes	—	—	—	153
9G1212B4011	—	9G1212B4011	—	DC	120×120×25mm	No	—	—	—	153
9G1212E101	9G1212E102	9G1212E101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1212E1011	9G1212E1021	9G1212E1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1212E401	9G1212E402	9G1212E401	9G1212P4E05	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1212E4011	9G1212E4021	9G1212E4011	9G1212P4E041	DC	120×120×25mm	No	✓	✓	✓	153
9G1212F101	9G1212F102	9G1212F101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1212F1011	9G1212F1021	9G1212F1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1212F401	9G1212F402	9G1212F401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1212F4011	9G1212F4021	9G1212F4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1212G101	9G1212G102	9G1212G101	9G1212P1G04	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1212G1011	9G1212G1021	9G1212G1011	9G1212P1G081	DC	120×120×38mm	No	✓	✓	✓	163
9G1212G401	9G1212G402	9G1212G401	9G1212P4G03	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1212G4011	9G1212G4021	9G1212G4011	9G1212P4G031	DC	120×120×25mm	No	✓	✓	✓	153
9G1212H101	9G1212H102	9G1212H101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1212H1011	9G1212H1021	9G1212H1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1212H401	9G1212H402	9G1212H401	9G1212P4H04	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1212H4011	9G1212H4021	9G1212H4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1212M101	9G1212M102	9G1212M101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1212M1011	9G1212M1021	9G1212M1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1212M401	9G1212M402	9G1212M401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1212M4011	9G1212M4021	9G1212M4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1224A401	9G1224A402	9G1224A401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1224A4011	9G1224A4021	9G1224A4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1224E101	9G1224E102	9G1224E101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1224E1011	9G1224E1021	9G1224E1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1224E401	9G1224E402	9G1224E401	9G1224P4E01	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1224E4011	9G1224E4021	9G1224E4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1224F101	9G1224F102	9G1224F101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1224F1011	9G1224F1021	9G1224F1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1224F401	9G1224F402	9G1224F401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1224F4011	9G1224F4021	9G1224F4011	—	DC	120×120×25mm	No	✓	✓	✓	153

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	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9G1224G101	9G1224G102	9G1224G101	9G1224P1G01	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1224G1011	9G1224G1021	9G1224G1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1224G401	9G1224G402	9G1224G401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1224G4011	9G1224G4021	9G1224G4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1224H101	9G1224H102	9G1224H101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1224H1011	9G1224H1021	9G1224H1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1224H401	9G1224H402	9G1224H401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1224H4011	9G1224H4021	9G1224H4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1224M101	9G1224M102	9G1224M101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1224M1011	9G1224M1021	9G1224M1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1224M401	9G1224M402	9G1224M401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1224M4011	9G1224M4021	9G1224M4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1248A401	9G1248A402	9G1248A401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1248A4011	9G1248A4021	9G1248A4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1248E101	9G1248E102	9G1248E101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1248E1011	9G1248E1021	9G1248E1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1248E401	9G1248E402	9G1248E401	9G1248P4E05	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1248E4011	9G1248E4021	9G1248E4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1248F101	9G1248F102	9G1248F101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1248F1011	9G1248F1021	9G1248F1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1248F401	9G1248F402	9G1248F401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1248F4011	9G1248F4021	9G1248F4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1248G101	9G1248G102	9G1248G101	9G1248P1G04	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1248G1011	9G1248G1021	9G1248G1011	9G1248P1G041	DC	120×120×38mm	No	✓	✓	✓	163
9G1248G401	9G1248G402	9G1248G401	9G1248P4G04	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1248G4011	9G1248G4021	9G1248G4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1248H101	9G1248H102	9G1248H101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1248H1011	9G1248H1021	9G1248H1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1248H401	9G1248H402	9G1248H401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1248H4011	9G1248H4021	9G1248H4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9G1248M101	9G1248M102	9G1248M101	—	DC	120×120×38mm	Yes	✓	✓	✓	163
9G1248M1011	9G1248M1021	9G1248M1011	—	DC	120×120×38mm	No	✓	✓	✓	163
9G1248M401	9G1248M402	9G1248M401	—	DC	120×120×25mm	Yes	✓	✓	✓	153
9G1248M4011	9G1248M4021	9G1248M4011	—	DC	120×120×25mm	No	✓	✓	✓	153
9GA0312P3G001	—	9GA0312G3001	9GA0312P3G001	Low Power Consumption Fan	38×38×28mm	Yes	✓	✓	✓	13
9GA0312P3G0011	—	—	9GA0312P3G0011	Low Power Consumption Fan	38×38×28mm	No	✓	✓	✓	13
9GA0312P3J001	—	9GA0312J3001	9GA0312P3J001	Low Power Consumption Fan	38×38×28mm	Yes	✓	✓	✓	13
9GA0312P3J0011	—	—	9GA0312P3J0011	Low Power Consumption Fan	38×38×28mm	No	✓	✓	✓	13
9GA0312P3K001	—	9GA0312K3001	9GA0312P3K001	Low Power Consumption Fan	38×38×28mm	Yes	✓	✓	✓	13
9GA0312P3K0011	—	—	9GA0312P3K0011	Low Power Consumption Fan	38×38×28mm	No	✓	✓	✓	13
9GA0405P6F001	9GA0405F6002	9GA0405F6001	9GA0405P6F001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0405P6H001	9GA0405H6002	9GA0405H6001	9GA0405P6H001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0412G7001	9GA0412G7002	9GA0412G7001	9GA0412P7G001	Low Power Consumption Fan	40×40×15mm	Yes	✓	✓	✓	19
9GA0412H7001	9GA0412H7002	9GA0412H7001	—	Low Power Consumption Fan	40×40×15mm	Yes	✓	✓	✓	19
9GA0412P3G01	9GA0412G302	9GA0412G301	9GA0412P3G01	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0412P3G011	9GA0412G3021	9GA0412G3011	9GA0412P3G011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0412P3H01	9GA0412H302	9GA0412H301	9GA0412P3H01	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0412P3H011	9GA0412H3021	9GA0412H3011	9GA0412P3H011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0412P3J01	9GA0412J302	9GA0412J301	9GA0412P3J01	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0412P3J011	9GA0412J3021	9GA0412J3011	9GA0412P3J011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0412P3K01	9GA0412K302	9GA0412K301	9GA0412P3K01	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0412P3K011	9GA0412K3021	9GA0412K3011	9GA0412P3K011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0412P3M01	9GA0412M302	9GA0412M301	9GA0412P3M01	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0412P3M011	9GA0412M3021	9GA0412M3011	9GA0412P3M011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0412P6F001	9GA0412F6002	9GA0412F6001	9GA0412P6F001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0412P6G001	9GA0412G6002	9GA0412G6001	9GA0412P6G001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0412P6H001	9GA0412H6002	9GA0412H6001	9GA0412P6H001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0412P7G001	9GA0412G7002	9GA0412G7001	9GA0412P7G001	Low Power Consumption Fan	40×40×15mm	Yes	✓	✓	✓	19
9GA0424P3G001	9GA0424G3002	9GA0424G3001	9GA0424P3G001	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0424P3G0011	9GA0424G30021	9GA0424G30011	9GA0424P3G0011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0424P3H001	9GA0424H3002	9GA0424H3001	9GA0424P3H001	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0424P3H0011	9GA0424H30021	9GA0424H30011	9GA0424P3H0011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31

Please contact your point of sale regarding lock sensors and low-speed sensors.

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9GA0424P3J001	9GA0424J3002	9GA0424J3001	9GA0424P3J001	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0424P3J0011	9GA0424J30021	9GA0424J30011	9GA0424P3J0011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0424P3M001	9GA0424M3002	9GA0424M3001	9GA0424P3M001	Low Power Consumption Fan	40×40×28mm	Yes	✓	✓	✓	31
9GA0424P3M0011	9GA0424M30021	9GA0424M30011	9GA0424P3M0011	Low Power Consumption Fan	40×40×28mm	No	✓	✓	✓	31
9GA0424P6F001	9GA0424F6002	9GA0424F6001	9GA0424P6F001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0424P6G001	9GA0424G6002	9GA0424G6001	9GA0424P6G001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0424P6H001	9GA0424H6002	9GA0424H6001	9GA0424P6H001	Low Power Consumption Fan	40×40×20mm	Yes	✓	✓	✓	23
9GA0512P7A001	9GA0512A7002	9GA0512A7001	9GA0512P7A001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0512P7G001	9GA0512G7002	9GA0512G7001	9GA0512P7G001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0512P7H001	9GA0512H7002	9GA0512H7001	9GA0512P7H001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0512P7M001	9GA0512M7002	9GA0512M7001	9GA0512P7M001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0524P7A001	9GA0524A7002	9GA0524A7001	9GA0524P7A001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0524P7G001	9GA0524G7002	9GA0524G7001	9GA0524P7G001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0524P7H001	9GA0524H7002	9GA0524H7001	9GA0524P7H001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0524P7M001	9GA0524M7002	9GA0524M7001	9GA0524P7M001	Low Power Consumption Fan	52×52×15mm	Yes	✓	✓	✓	43
9GA0612G701	9GA0612G702	9GA0612G701	9GA0612P7G01	Low Power Consumption Fan	60×60×15mm	Yes	✓	✓	✓	49
9GA0612H6001	9GA0612H6002	9GA0612H6001	—	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0612H701	9GA0612H702	9GA0612H701	9GA0612P7H01	Low Power Consumption Fan	60×60×15mm	Yes	✓	✓	✓	49
9GA0612L701	9GA0612L702	9GA0612L701	—	Low Power Consumption Fan	60×60×15mm	Yes	✓	✓	✓	49
9GA0612M6001	9GA0612M6002	9GA0612M6001	—	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0612M701	9GA0612M702	9GA0612M701	—	Low Power Consumption Fan	60×60×15mm	Yes	✓	✓	✓	49
9GA0612P1H03	9GA0612H102	9GA0612H101	9GA0612P1H03	Low Power Consumption Fan	60×60×38mm	Yes	✓	✓	✓	71
9GA0612P1H031	9GA0612H1021	9GA0612H1011	9GA0612P1H031	Low Power Consumption Fan	60×60×38mm	No	✓	✓	✓	71
9GA0612P1J03	9GA0612J102	9GA0612J101	9GA0612P1J03	Low Power Consumption Fan	60×60×38mm	Yes	✓	✓	✓	71
9GA0612P1J031	9GA0612J1021	9GA0612J1011	9GA0612P1J031	Low Power Consumption Fan	60×60×38mm	No	✓	✓	✓	71
9GA0612P1K03	9GA0612K102	9GA0612K101	9GA0612P1K03	Low Power Consumption Fan	60×60×38mm	Yes	✓	✓	✓	71
9GA0612P1K031	9GA0612K1021	9GA0612K1011	9GA0612P1K031	Low Power Consumption Fan	60×60×38mm	No	✓	✓	✓	71
9GA0612P1K60	—	—	9GA0612P1K60	Low Power Consumption Fan	60×60×38mm	Yes	✓	✓	✓	71
9GA0612P1K601	—	—	9GA0612P1K601	Low Power Consumption Fan	60×60×38mm	No	✓	✓	✓	71
9GA0612P6G001	9GA0612G6002	9GA0612G6001	9GA0612P6G001	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0612P6S001	9GA0612S6002	9GA0612S6001	9GA0612P6S001	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0612P7G01	9GA0612G702	9GA0612G701	9GA0612P7G01	Low Power Consumption Fan	60×60×15mm	Yes	✓	✓	✓	49
9GA0612P7H01	9GA0612H702	9GA0612H701	9GA0612P7H01	Low Power Consumption Fan	60×60×15mm	Yes	✓	✓	✓	49
9GA0624H6001	9GA0624H6002	9GA0624H6001	—	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0624M6001	9GA0624M6002	9GA0624M6001	—	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0624P1J03	9GA0624J102	9GA0624J101	9GA0624P1J03	Low Power Consumption Fan	60×60×38mm	Yes	✓	✓	✓	71
9GA0624P1J031	9GA0624J1021	9GA0624J1011	9GA0624P1J031	Low Power Consumption Fan	60×60×38mm	No	✓	✓	✓	71
9GA0624P1K03	—	—	9GA0624P1K03	Low Power Consumption Fan	60×60×38mm	Yes	✓	✓	✓	71
9GA0624P1K031	—	—	9GA0624P1K031	Low Power Consumption Fan	60×60×38mm	No	✓	✓	✓	71
9GA0624P6G001	—	—	9GA0624P6G001	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0624P6S001	—	—	9GA0624P6S001	Low Power Consumption Fan	60×60×20mm	Yes	✓	✓	✓	55
9GA0624P7G01	—	—	9GA0624P7G01	Low Power Consumption Fan	60×60×15mm	Yes	—	—	—	49
9GA0712P1G001	—	—	9GA0712P1G001	Low Power Consumption Fan	70×70×38mm	Yes	✓	✓	✓	81
9GA0712P1G0011	—	—	9GA0712P1G0011	Low Power Consumption Fan	70×70×38mm	No	✓	✓	✓	81
9GA0712P1H001	—	—	9GA0712P1H001	Low Power Consumption Fan	70×70×38mm	Yes	✓	✓	✓	81
9GA0712P1H0011	—	—	9GA0712P1H0011	Low Power Consumption Fan	70×70×38mm	No	✓	✓	✓	81
9GA0812H7001	—	9GA0812H7001	—	Low Power Consumption Fan	80×80×15mm	Yes	—	—	—	83
9GA0812P1G61	—	—	9GA0812P1G61	Low Power Consumption Fan	80×80×38mm	Yes	✓	✓	✓	115
9GA0812P1G611	—	—	9GA0812P1G611	Low Power Consumption Fan	80×80×38mm	No	✓	✓	✓	115
9GA0812P1H61	9GA0812H162	9GA0812H161	9GA0812P1H61	Low Power Consumption Fan	80×80×38mm	Yes	✓	✓	✓	115
9GA0812P1H611	9GA0812H1621	9GA0812H1611	9GA0812P1H611	Low Power Consumption Fan	80×80×38mm	No	✓	✓	✓	115
9GA0812P1S61	9GA0812S162	9GA0812H161	9GA0812P1S61	Low Power Consumption Fan	80×80×38mm	Yes	✓	✓	✓	115
9GA0812P1S611	9GA0812S1621	9GA0812H1611	9GA0812P1S611	Low Power Consumption Fan	80×80×38mm	No	✓	✓	✓	115
9GA0812P2H001	—	—	9GA0812P2H001	Low Power Consumption Fan	80×80×32mm	Yes	✓	✓	✓	109
9GA0812P2H0011	—	—	9GA0812P2H0011	Low Power Consumption Fan	80×80×32mm	No	✓	✓	✓	109
9GA0812P2M001	—	—	9GA0812P2M001	Low Power Consumption Fan	80×80×32mm	Yes	✓	✓	✓	109
9GA0812P2M0011	—	—	9GA0812P2M0011	Low Power Consumption Fan	80×80×32mm	No	✓	✓	✓	109
9GA0812P2S001	—	9GA0812S2001	9GA0812P2S001	Low Power Consumption Fan	80×80×32mm	Yes	✓	✓	✓	109
9GA0812P2S0011	—	—	9GA0812P2S0011	Low Power Consumption Fan	80×80×32mm	No	✓	✓	✓	109
9GA0812P4G001	9GA0812G4002	9GA0812G4001	9GA0812P4G001	Low Power Consumption Fan	80×80×25mm	Yes	✓	✓	✓	93
9GA0812P4G0011	9GA0812G40021	9GA0812G40011	9GA0812P4G0011	Low Power Consumption Fan	80×80×25mm	No	✓	✓	✓	93
9GA0812P4H001	9GA0812H4002	9GA0812H4001	9GA0812P4H001	Low Power Consumption Fan	80×80×25mm	Yes	✓	✓	✓	93

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9GA0812P4H0011	9GA0812H40021	9GA0812H40011	9GA0812P4H0011	Low Power Consumption Fan	80×80×25mm	No	✓	✓	✓	93
9GA0812P4J001	9GA0812J4002	9GA0812J4001	9GA0812P4J001	Low Power Consumption Fan	80×80×25mm	Yes	✓	✓	✓	93
9GA0812P4J0011	9GA0812J40021	9GA0812J40011	9GA0812P4J0011	Low Power Consumption Fan	80×80×25mm	No	✓	✓	✓	93
9GA0812P6G001	9GA0812G6002	9GA0812G6001	9GA0812P6G001	Low Power Consumption Fan	80×80×20mm	Yes	✓	✓	✓	89
9GA0812P6M001	9GA0812M6002	9GA0812M6001	9GA0812P6M001	Low Power Consumption Fan	80×80×20mm	Yes	✓	✓	✓	89
9GA0812P7G001	—	—	9GA0812P7G001	Low Power Consumption Fan	80×80×15mm	Yes	✓	✓	✓	83
9GA0812P7S001	—	—	9GA0812P7S001	Low Power Consumption Fan	80×80×15mm	Yes	✓	✓	✓	83
9GA0824H7001	—	9GA0824H7001	—	Low Power Consumption Fan	80×80×15mm	Yes	✓	✓	✓	83
9GA0824P1H61	9GA0824H162	9GA0824H161	9GA0824P1H61	Low Power Consumption Fan	80×80×38mm	Yes	✓	✓	✓	115
9GA0824P1H611	9GA0824H1621	9GA0824H1611	9GA0824P1H611	Low Power Consumption Fan	80×80×38mm	No	✓	✓	✓	115
9GA0824P1S61	9GA0824S162	9GA0824S161	9GA0824P1S61	Low Power Consumption Fan	80×80×38mm	Yes	✓	✓	✓	115
9GA0824P1S611	9GA0824S1621	9GA0824S1611	9GA0824P1S611	Low Power Consumption Fan	80×80×38mm	No	✓	✓	✓	115
9GA0824P2S001	—	—	9GA0824P2S001	Low Power Consumption Fan	80×80×32mm	Yes	✓	✓	✓	109
9GA0824P2S0011	—	—	9GA0824P2S0011	Low Power Consumption Fan	80×80×32mm	No	✓	✓	✓	109
9GA0824P4G001	9GA0824G4002	9GA0824G4001	9GA0824P4G001	Low Power Consumption Fan	80×80×25mm	Yes	✓	✓	✓	93
9GA0824P4G0011	9GA0824G40021	9GA0824G40011	9GA0824P4G0011	Low Power Consumption Fan	80×80×25mm	No	✓	✓	✓	93
9GA0824P4H001	9GA0824H4002	9GA0824H4001	9GA0824P4H001	Low Power Consumption Fan	80×80×25mm	Yes	✓	✓	✓	93
9GA0824P4H0011	9GA0824H40021	9GA0824H40011	9GA0824P4H0011	Low Power Consumption Fan	80×80×25mm	No	✓	✓	✓	93
9GA0824P4J001	9GA0824J4002	9GA0824J4001	9GA0824P4J001	Low Power Consumption Fan	80×80×25mm	Yes	✓	✓	✓	93
9GA0824P4J0011	9GA0824J40021	9GA0824J40011	9GA0824P4J0011	Low Power Consumption Fan	80×80×25mm	No	✓	✓	✓	93
9GA0824P6G001	9GA0824G6002	9GA0824G6001	9GA0824P6G001	Low Power Consumption Fan	80×80×20mm	Yes	✓	✓	✓	89
9GA0824P6M001	9GA0824M6002	9GA0824M6001	9GA0824P6M001	Low Power Consumption Fan	80×80×20mm	Yes	✓	✓	✓	89
9GA0824P7G001	—	—	9GA0824P7G001	Low Power Consumption Fan	80×80×15mm	Yes	✓	✓	✓	83
9GA0824P7S001	—	—	9GA0824P7S001	Low Power Consumption Fan	80×80×15mm	Yes	✓	✓	✓	83
9GA0912P1H03	9GA0912H102	9GA0912H101	9GA0912P1H03	Low Power Consumption Fan	92×92×38mm	Yes	✓	✓	✓	137
9GA0912P1H031	9GA0912H1021	9GA0912H1011	9GA0912P1H031	Low Power Consumption Fan	92×92×38mm	No	✓	✓	✓	137
9GA0912P4G03	9GA0912G402	9GA0912G401	9GA0912P4G03	Low Power Consumption Fan	92×92×25mm	Yes	✓	✓	✓	125
9GA0912P4G031	9GA0912G4021	9GA0912G4011	9GA0912P4G031	Low Power Consumption Fan	92×92×25mm	No	✓	✓	✓	125
9GA0912P4J03	9GA0912J402	9GA0912J401	9GA0912P4J03	Low Power Consumption Fan	92×92×25mm	Yes	✓	✓	✓	125
9GA0912P4J031	9GA0912J4021	9GA0912J4011	9GA0912P4J031	Low Power Consumption Fan	92×92×25mm	No	✓	✓	✓	125
9GA0912P4S03	9GA0912S402	9GA0912S401	9GA0912P4S03	Low Power Consumption Fan	92×92×25mm	Yes	✓	✓	✓	125
9GA0912P4S031	9GA0912S4021	9GA0912S4011	9GA0912P4S031	Low Power Consumption Fan	92×92×25mm	No	✓	✓	✓	125
9GA0924P1H01	9GA0924H102	9GA0924H101	9GA0924P1H01	Low Power Consumption Fan	92×92×38mm	Yes	✓	✓	✓	137
—	—	9GA0924H1011	—	Low Power Consumption Fan	92×92×38mm	No	✓	✓	✓	137
9GA0924P4G03	9GA0924G402	9GA0924G401	9GA0924P4G03	Low Power Consumption Fan	92×92×25mm	Yes	✓	✓	✓	125
9GA0924P4G031	9GA0924G4021	9GA0924G4011	9GA0924P4G031	Low Power Consumption Fan	92×92×25mm	No	✓	✓	✓	125
9GA0924P4J03	9GA0924J402	9GA0924J401	9GA0924P4J03	Low Power Consumption Fan	92×92×25mm	Yes	✓	✓	✓	125
9GA0924P4J031	9GA0924J4021	9GA0924J4011	9GA0924P4J031	Low Power Consumption Fan	92×92×25mm	No	✓	✓	✓	125
9GA0924P4S03	9GA0924S402	9GA0924S401	9GA0924P4S03	Low Power Consumption Fan	92×92×25mm	Yes	✓	✓	✓	125
9GA0924P4S031	9GA0924S4021	9GA0924S4011	9GA0924P4S031	Low Power Consumption Fan	92×92×25mm	No	✓	✓	✓	125
9GA0948P1H03	9GA0948H102	9GA0948H101	9GA0948P1H03	Low Power Consumption Fan	92×92×38mm	Yes	✓	✓	✓	137
9GA0948P1H031	—	—	9GA0948P1H031	Low Power Consumption Fan	92×92×38mm	No	✓	✓	✓	137
9GE0412P3G03	—	—	9GE0412P3G03	DC	40×40×28mm	No	✓	✓	✓	35
9GE0412P3J03	—	9GE0412J301	9GE0412P3J03	DC	40×40×28mm	No	✓	✓	✓	35
9GE0412P3K03	—	9GE0412K301	9GE0412P3K03	DC	40×40×28mm	No	✓	✓	✓	35
9GL1212E101	9GL1212E102	9GL1212E101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1212F101	9GL1212F102	9GL1212F101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1212G101	9GL1212G102	9GL1212G101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1212H101	9GL1212H102	9GL1212H101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1212M101	9GL1212M102	9GL1212M101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1224E101	9GL1224E102	9GL1224E101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1224F101	9GL1224F102	9GL1224F101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1224G101	9GL1224G102	9GL1224G101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1224H101	9GL1224H102	9GL1224H101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1224M101	9GL1224M102	9GL1224M101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1248E101	9GL1248E102	9GL1248E101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1248F101	9GL1248F102	9GL1248F101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1248G101	9GL1248G102	9GL1248G101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1248H101	9GL1248H102	9GL1248H101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GL1248M101	9GL1248M102	9GL1248M101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	313
9GV0312E301	9GV0312E302	9GV0312E301	—	DC	38×38×28mm	Yes	✓	✓	✓	15
9GV0312E3011	—	9GV0312E3011	—	DC	38×38×28mm	No	✓	✓	✓	15

Please contact your point of sale regarding lock sensors and low-speed sensors.

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9GV0312G301	9GV0312G302	9GV0312G301	9GV0312P3G03	DC	38×38×28mm	Yes	✓	✓	✓	15
9GV0312G3011	9GV0312G3021	9GV0312G3011	—	DC	38×38×28mm	No	✓	✓	✓	15
9GV0312H301	9GV0312H302	9GV0312H301	—	DC	38×38×28mm	Yes	✓	✓	✓	15
9GV0312H3011	—	9GV0312H3011	—	DC	38×38×28mm	No	✓	✓	✓	15
9GV0312J301	9GV0312J302	9GV0312J301	9GV0312P3J03	DC	38×38×28mm	Yes	✓	✓	✓	15
9GV0312J3011	9GV0312J3021	9GV0312J3011	9GV0312P3J031	DC	38×38×28mm	No	✓	✓	✓	15
9GV0312K301	—	9GV0312K301	9GV0312P3K01	DC	38×38×28mm	Yes	✓	✓	✓	15
9GV0312K3011	—	9GV0312K3011	—	DC	38×38×28mm	No	✓	✓	✓	15
9GV0412C301	—	9GV0412C301	—	DC	40×40×28mm	Yes	✓	✓	✓	37
9GV0412C3011	—	9GV0412C3011	—	DC	40×40×28mm	No	✓	✓	✓	37
9GV0412G301	9GV0412G302	9GV0412G301	9GV0412P3G03	DC	40×40×28mm	Yes	✓	✓	✓	37
9GV0412G3011	9GV0412G3021	9GV0412G3011	9GV0412P3G031	DC	40×40×28mm	No	✓	✓	✓	37
9GV0412H301	—	9GV0412H301	9GV0412P3H01	DC	40×40×28mm	Yes	✓	✓	✓	37
9GV0412H3011	—	9GV0412H3011	—	DC	40×40×28mm	No	✓	✓	✓	37
9GV0412J301	9GV0412J302	9GV0412J301	9GV0412P3J03	DC	40×40×28mm	Yes	✓	✓	✓	37
9GV0412J3011	9GV0412J3021	9GV0412J3011	9GV0412P3J031	DC	40×40×28mm	No	✓	✓	✓	37
9GV0412K301	9GV0412K302	9GV0412K301	9GV0412P3K03	DC	40×40×28mm	Yes	✓	✓	✓	37
9GV0412K3011	—	9GV0412K3011	—	DC	40×40×28mm	No	✓	✓	✓	37
9GV0612P1G03	9GV0612G102	9GV0612G101	9GV0612P1G03	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0612P1G031	—	9GV0612G1011	9GV0612P1G031	DC	60×60×38mm	No	✓	✓	✓	75
9GV0612P1H03	9GV0612H102	9GV0612H101	9GV0612P1H03	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0612P1H031	9GV0612H1021	9GV0612H1011	9GV0612P1H031	DC	60×60×38mm	No	✓	✓	✓	75
9GV0612P1L01	9GV0612L102	—	9GV0612P1L01	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0612P1L011	—	9GV0612L1011	9GV0612P1L011	DC	60×60×38mm	No	✓	✓	✓	75
9GV0612P1M03	—	9GV0612M101	9GV0612P1M03	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0612P1M031	—	9GV0612M1011	9GV0612P1M031	DC	60×60×38mm	No	✓	✓	✓	75
9GV0624P1G03	9GV0624G102	—	9GV0624P1G03	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0624P1G031	9GV0624G1021	—	9GV0624P1G031	DC	60×60×38mm	No	✓	✓	✓	75
9GV0624P1M03	9GV0624M102	9GV0624M101	9GV0624P1M03	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0624P1M031	—	—	9GV0624P1M031	DC	60×60×38mm	No	✓	✓	✓	75
9GV0648P1H03	—	—	9GV0648P1H03	DC	60×60×38mm	Yes	✓	✓	✓	75
9GV0648P1H031	—	—	9GV0648P1H031	DC	60×60×38mm	No	✓	✓	✓	75
9GV0812P1F03	—	—	9GV0812P1F03	DC	80×80×38mm	Yes	✓	✓	✓	119
9GV0812P1F031	—	—	9GV0812P1F031	DC	80×80×38mm	No	✓	✓	✓	119
9GV0812P1G03	9GV0812G102	9GV0812G101	9GV0812P1G03	DC	80×80×38mm	Yes	✓	✓	✓	119
9GV0812P1G031	9GV0812G1021	9GV0812G1011	9GV0812P1G031	DC	80×80×38mm	No	✓	✓	✓	119
9GV0812P1H03	9GV0812H102	9GV0812H101	9GV0812P1H03	DC	80×80×38mm	Yes	✓	✓	✓	119
9GV0812P1H031	9GV0812H1021	9GV0812H1011	9GV0812P1H031	DC	80×80×38mm	No	✓	✓	✓	119
9GV0812P1M03	—	—	9GV0812P1M03	DC	80×80×38mm	Yes	✓	✓	✓	119
9GV0812P1M031	—	—	9GV0812P1M031	DC	80×80×38mm	No	✓	✓	✓	119
9GV0812P4J03	9GV0812J402	9GV0812J401	9GV0812P4J03	DC	80×80×25mm	Yes	✓	✓	✓	99
9GV0812P4J031	9GV0812J4021	9GV0812J4011	9GV0812P4J031	DC	80×80×25mm	No	✓	✓	✓	99
9GV0812P4K03	—	9GV0812K401	9GV0812P4K03	DC	80×80×25mm	Yes	✓	✓	✓	99
9GV0812P4K031	9GV0812K4021	9GV0812K4011	9GV0812P4K031	DC	80×80×25mm	No	✓	✓	✓	99
9GV0824P1G03	9GV0824G102	—	9GV0824P1G03	DC	80×80×38mm	Yes	✓	✓	✓	119
9GV0824P1G031	—	—	9GV0824P1G031	DC	80×80×38mm	No	✓	✓	✓	119
9GV0824P4K01	9GV0824K402	9GV0824K401	9GV0824P4K01	DC	80×80×25mm	Yes	✓	✓	✓	99
9GV0824P4K011	—	—	9GV0824P4K011	DC	80×80×25mm	No	✓	✓	✓	99
9GV0848P1G03	9GV0848G102	9GV0848G101	9GV0848P1G03	DC	80×80×38mm	Yes	✓	✓	✓	119
9GV0848P1G031	—	9GV0848G1011	9GV0848P1G031	DC	80×80×38mm	No	✓	✓	✓	119
9GV0848P4K03	—	9GV0848K401	9GV0848P4K03	DC	80×80×25mm	Yes	✓	✓	✓	99
9GV0848P4K031	—	—	9GV0848P4K031	DC	80×80×25mm	No	✓	✓	✓	99
9GV0912P1F03	—	—	9GV0912P1F03	DC	92×92×38mm	Yes	✓	✓	✓	141
9GV0912P1F031	—	—	9GV0912P1F031	DC	92×92×38mm	No	✓	✓	✓	141
9GV0912P1G03	—	—	9GV0912P1G03	DC	92×92×38mm	Yes	✓	✓	✓	141
9GV0912P1G031	—	—	9GV0912P1G031	DC	92×92×38mm	No	✓	✓	✓	141
9GV0912P1H03	9GV0912H102	—	9GV0912P1H03	DC	92×92×38mm	Yes	✓	✓	✓	141
9GV0912P1H031	—	—	9GV0912P1H031	DC	92×92×38mm	No	✓	✓	✓	141
9GV0948P1F03	—	—	9GV0948P1F03	DC	92×92×38mm	Yes	✓	✓	✓	141
9GV0948P1F031	—	—	9GV0948P1F031	DC	92×92×38mm	No	✓	✓	✓	141
9GV0948P1H03	9GV0948H102	9GV0948H101	9GV0948P1H03	DC	92×92×38mm	Yes	✓	✓	✓	141
9GV0948P1H031	9GV0948H1021	—	9GV0948P1H031	DC	92×92×38mm	No	✓	✓	✓	141

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9GV1212P1G01	—	—	9GV1212P1G01	DC	120×120×38mm	Yes	✓	✓	✓	159
9GV1212P1G011	—	9GV1212G1011	9GV1212P1G011	DC	120×120×38mm	No	✓	✓	✓	159
9GV1212P1J01	9GV1212J102	9GV1212J101	9GV1212P1J01	DC	120×120×38mm	Yes	✓	✓	✓	159
9GV1212P1J011	9GV1212J1021	9GV1212J1011	9GV1212P1J011	DC	120×120×38mm	No	✓	✓	✓	159
9GV1212P4G01	9GV1212G402	9GV1212G401	9GV1212P4G01	DC	120×120×25mm	Yes	✓	✓	✓	149
9GV1212P4G011	9GV1212G4021	9GV1212G4011	—	DC	120×120×25mm	No	✓	✓	✓	149
9GV1224P1H01	9GV1224H102	9GV1224H101	9GV1224P1H01	DC	120×120×38mm	Yes	✓	✓	✓	159
9GV1224P1H011	9GV1224H1021	9GV1224H1011	9GV1224P1H011	DC	120×120×38mm	No	✓	✓	✓	159
9GV1224P1J01	9GV1224J102	9GV1224J101	9GV1224P1J01	DC	120×120×38mm	Yes	✓	✓	✓	159
9GV1224P1J011	9GV1224J1021	9GV1224J1011	9GV1224P1J011	DC	120×120×38mm	No	✓	✓	✓	159
9GV1224P4G01	9GV1224G402	9GV1224G401	9GV1224P4G01	DC	120×120×25mm	Yes	✓	✓	✓	149
9GV1224P4G011	9GV1224G4021	—	—	DC	120×120×25mm	No	✓	✓	✓	149
9GV1248P1B10	9GV1248B102	9GV1248B101	9GV1248P1B10	DC	120×120×38mm	Yes	✓	✓	✓	159
9GV1248P1B101	—	9GV1248B1011	9GV1248P1B101	DC	120×120×38mm	No	✓	✓	✓	159
9GV1248P1J01	9GV1248J102	9GV1248J101	9GV1248P1J01	DC	120×120×38mm	Yes	✓	✓	✓	159
9GV1248P1J011	9GV1248J1021	9GV1248J1011	9GV1248P1J011	DC	120×120×38mm	No	✓	✓	✓	159
9GV1248P4G01	9GV1248G402	9GV1248G4011	9GV1248P4G01	DC	120×120×25mm	Yes	✓	✓	✓	149
9GV1248P4G011	—	9GV1248G4011	9GV1248P4G011	DC	120×120×25mm	No	✓	✓	✓	149
9GV1248P4H01	9GV1248H402	9GV1248H401	9GV1248P4H01	DC	120×120×25mm	Yes	✓	✓	✓	149
9GV1248P4H011	—	—	9GV1248P4H011	DC	120×120×25mm	No	✓	✓	✓	149
9GV1248P4J01	—	—	9GV1248P4J01	DC	120×120×25mm	Yes	✓	✓	✓	149
9GV1248P4J011	—	—	9GV1248P4J011	DC	120×120×25mm	No	✓	✓	✓	149
9GV1512H501	9GV1512H502	9GV1512H501	9GV1512P5H03	DC	150×150×50mm	Yes	✓	✓	✓	175
9GV1512H5011	9GV1512H5021	9GV1512H5011	—	DC	150×150×50mm	No	✓	✓	✓	175
9GV1512M501	9GV1512M502	9GV1512M501	9GV1512P5M03	DC	150×150×50mm	Yes	✓	✓	✓	175
9GV1512M5011	9GV1512M5021	9GV1512M5011	—	DC	150×150×50mm	No	✓	✓	✓	175
9GV1524M501	9GV1524M502	9GV1524M501	—	DC	150×150×50mm	Yes	✓	✓	✓	175
9GV1524M5011	—	9GV1524M5011	—	DC	150×150×50mm	No	✓	✓	✓	175
9GV2048P0G201	—	—	9GV2048P0G201	DC	φ200mm×70mm	No	✓	✓	✓	187
9GV3612G301	9GV3612G302	9GV3612G301	9GV3612P3G03	DC	36×36×28mm	Yes	✓	✓	✓	11
9GV3612J301	9GV3612J302	9GV3612J301	9GV3612P3J03	DC	36×36×28mm	Yes	✓	✓	✓	11
9GV5724H501	9GV5724H502	9GV5724H501	9GV5724P5H03	DC	φ172mm×150mm×51mm	No	✓	✓	✓	181
9GV5748H501	9GV5748H502	9GV5748H501	9GV5748P5H01	DC	φ172mm×150mm×51mm	No	✓	✓	✓	181
9HV0812P1G001	9HV0812G1002	9HV0812G1001	9HV0812P1G001	DC	80×80×38mm	Yes	✓	✓	✓	113
9HV0812P1G0011	9HV0812G10021	9HV0812G10011	9HV0812P1G0011	DC	80×80×38mm	No	✓	✓	✓	113
9HV0848P1G001	9HV0848G1002	9HV0848G1001	9HV0848P1G001	DC	80×80×38mm	Yes	✓	✓	✓	113
9HV0848P1G0011	9HV0848G10021	9HV0848G10011	9HV0848P1G0011	DC	80×80×38mm	No	✓	✓	✓	113
9HV0912P1G001	—	—	9HV0912P1G001	DC	92×92×38mm	Yes	✓	✓	✓	139
9HV0912P1G0011	—	—	9HV0912P1G0011	DC	92×92×38mm	No	✓	✓	✓	139
9HV0948P1G001	—	—	9HV0948P1G001	DC	92×92×38mm	Yes	✓	✓	✓	139
9HV0948P1G0011	—	—	9HV0948P1G0011	DC	92×92×38mm	No	✓	✓	✓	139
9HV1248P1G001	9HV1248G1002	9HV1248G1001	9HV1248P1G001	DC	120×120×38mm	No	✓	✓	✓	157
9HV1248P1H001	9HV1248H1002	9HV1248H1001	9HV1248P1H001	DC	120×120×38mm	No	✓	✓	✓	157
9L0412H301	9L0412H302	9L0412H301	—	Long Life Fan	40×40×28mm	No	✓	✓	✓	289
9L0412J301	9L0412J302	9L0412J301	—	Long Life Fan	40×40×28mm	No	✓	✓	✓	289
9L0412M301	9L0412M302	9L0412M301	—	Long Life Fan	40×40×28mm	No	✓	✓	✓	289
9LB1212H101	9LB1212H102	9LB1212H101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1212M101	9LB1212M102	9LB1212M101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1224H101	9LB1224H102	9LB1224H101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1224M101	9LB1224M102	9LB1224M101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1224S101	9LB1224S102	9LB1224S101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1248H101	9LB1248H102	9LB1248H101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1248M101	9LB1248M102	9LB1248M101	—	Long Life Fan	120×120×38mm	No	✓	✓	✓	311
9LB1412H501	9LB1412H502	9LB1412H501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1412M501	9LB1412M502	9LB1412M501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1412S501	9LB1412S502	9LB1412S501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1424B501	9LB1424B502	9LB1424B501	—	Long Life Fan	140×140×51mm	No	—	—	—	319
9LB1424H501	9LB1424H502	9LB1424H501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1424M501	9LB1424M502	9LB1424M501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1424S501	9LB1424S502	9LB1424S501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1448F501	—	9LB1448F501	—	Long Life Fan	140×140×51mm	No	—	—	—	319
9LB1448H501	9LB1448H502	9LB1448H501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319

Please contact your point of sale regarding lock sensors and low-speed sensors.

Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9LB1448M501	9LB1448M502	9LB1448M501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LB1448S501	9LB1448S502	9LB1448S501	—	Long Life Fan	140×140×51mm	No	✓	✓	✓	319
9LG0612P4H001	—	—	9LG0612P4H001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0612P4J001	—	—	9LG0612P4J001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0612P4M001	—	—	9LG0612P4M001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0612P4S001	—	—	9LG0612P4S001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0624P4H001	—	—	9LG0624P4H001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0624P4J001	—	—	9LG0624P4J001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0624P4M001	—	—	9LG0624P4M001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0624P4S001	—	—	9LG0624P4S001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0648P4H001	—	—	9LG0648P4H001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0648P4J001	—	—	9LG0648P4J001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0648P4M001	—	—	9LG0648P4M001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0648P4S001	—	—	9LG0648P4S001	Long Life Fan	60×60×25mm	No	✓	✓	✓	291
9LG0812P4G001	—	—	9LG0812P4G001	Long Life Fan	80×80×25mm	No	✓	✓	✓	299
9LG0812P4H001	—	—	9LG0812P4H001	Long Life Fan	80×80×25mm	No	✓	✓	✓	299
9LG0812P4J001	—	—	9LG0812P4J001	Long Life Fan	80×80×25mm	No	✓	✓	✓	299
9LG0824P4G001	—	—	9LG0824P4G001	Long Life Fan	80×80×25mm	No	✓	✓	✓	299
9LG0824P4H001	—	—	9LG0824P4H001	Long Life Fan	80×80×25mm	No	✓	✓	✓	299
9LG0824P4J001	—	—	9LG0824P4J001	Long Life Fan	80×80×25mm	No	✓	✓	✓	299
9LG0912P1F001	—	—	9LG0912P1F001	Long Life Fan	92×92×38mm	No	✓	✓	✓	309
9LG0912P1H001	—	—	9LG0912P1H001	Long Life Fan	92×92×38mm	No	✓	✓	✓	309
9LG0912P4G001	—	—	9LG0912P4G001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0912P4H001	—	—	9LG0912P4H001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0912P4J001	—	—	9LG0912P4J001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0912P4S001	—	—	9LG0912P4S001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0924P1F001	—	—	9LG0924P1F001	Long Life Fan	92×92×38mm	No	✓	✓	✓	309
9LG0924P1H001	—	—	9LG0924P1H001	Long Life Fan	92×92×38mm	No	✓	✓	✓	309
9LG0924P4G001	—	—	9LG0924P4G001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0924P4H001	—	—	9LG0924P4H001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0924P4J001	—	—	9LG0924P4J001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9LG0924P4S001	—	—	9LG0924P4S001	Long Life Fan	92×92×25mm	No	✓	✓	✓	305
9S0612F401	9S0612F402	9S0612F401	9S0612P4F01	Silent Fan	60×60×25mm	Yes	✓	✓	✓	61
9S0612F4011	9S0612F4021	9S0612F4011	9S0612P4F011	Silent Fan	60×60×25mm	No	✓	✓	✓	61
9S0612H401	9S0612H402	9S0612H401	9S0612P4H01	Silent Fan	60×60×25mm	Yes	✓	✓	✓	61
9S0612H4011	9S0612H4021	9S0612H4011	9S0612P4H011	Silent Fan	60×60×25mm	No	✓	✓	✓	61
9S0612M401	9S0612M402	9S0612M401	9S0612P4M01	Silent Fan	60×60×25mm	Yes	✓	✓	✓	61
9S0612M4011	9S0612M4021	9S0612M4011	—	Silent Fan	60×60×25mm	No	✓	✓	✓	61
9S0612S401	9S0612S402	9S0612S401	9S0612P4S01	Silent Fan	60×60×25mm	Yes	✓	✓	✓	61
9S0612S4011	—	9S0612S4011	—	Silent Fan	60×60×25mm	No	✓	✓	✓	61
9S0812F401	9S0812F402	9S0812F401	9S0812P4F01	Silent Fan	80×80×25mm	Yes	✓	✓	✓	97
9S0812F4011	9S0812F4021	9S0812F4011	9S0812P4F011	Silent Fan	80×80×25mm	No	✓	✓	✓	97
9S0812H401	9S0812H402	9S0812H401	—	Silent Fan	80×80×25mm	Yes	✓	✓	—	97
9S0812H4011	—	9S0812H4011	—	Silent Fan	80×80×25mm	No	✓	✓	—	97
9S0812L401	9S0812L402	9S0812L401	—	Silent Fan	80×80×25mm	Yes	✓	✓	✓	97
9S0812L4011	9S0812L4021	9S0812L4011	—	Silent Fan	80×80×25mm	No	✓	✓	✓	97
9S0812M401	9S0812M402	9S0812M401	9S0812P4M01	Silent Fan	80×80×25mm	Yes	✓	✓	✓	97
9S0812M4011	9S0812M4021	9S0812M4011	9S0812P4M011	Silent Fan	80×80×25mm	No	✓	✓	✓	97
9S0824L401	9S0824L402	9S0824L401	—	Silent Fan	80×80×25mm	Yes	✓	✓	✓	97
9S0824L4011	9S0824L4021	9S0824L4011	—	Silent Fan	80×80×25mm	No	✓	✓	✓	97
9S0824M401	9S0824M402	9S0824M401	—	Silent Fan	80×80×25mm	Yes	✓	✓	✓	97
9S0824M4011	9S0824M4021	9S0824M4011	—	Silent Fan	80×80×25mm	No	✓	✓	✓	97
9S0912F401	9S0912F402	9S0912F401	9S0912P4F01	Silent Fan	92×92×25mm	Yes	✓	✓	✓	129
9S0912F4011	9S0912F4021	9S0912F4011	9S0912P4F011	Silent Fan	92×92×25mm	No	✓	✓	✓	129
9S0912L401	9S0912L402	9S0912L401	—	Silent Fan	92×92×25mm	Yes	✓	✓	✓	129
9S0912L4011	9S0912L4021	9S0912L4011	—	Silent Fan	92×92×25mm	No	✓	✓	✓	129
9S0912M401	9S0912M402	9S0912M401	9S0912P4M01	Silent Fan	92×92×25mm	Yes	✓	✓	✓	129
9S0912M4011	9S0912M4021	9S0912M4011	9S0912P4M011	Silent Fan	92×92×25mm	No	✓	✓	✓	129
9S0924F401	9S0924F402	9S0924F401	—	Silent Fan	92×92×25mm	Yes	✓	✓	✓	129
9S0924F4011	9S0924F4021	9S0924F4011	—	Silent Fan	92×92×25mm	No	✓	✓	✓	129
9S0924L401	9S0924L402	9S0924L401	—	Silent Fan	92×92×25mm	Yes	✓	✓	✓	129
9S0924L4011	9S0924L4021	9S0924L4011	—	Silent Fan	92×92×25mm	No	✓	✓	✓	129

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	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9S0924M401	9S0924M402	9S0924M401	—	Silent Fan	92×92×25mm	Yes	✓	✓	✓	129
9S0924M4011	9S0924M4021	9S0924M4011	—	Silent Fan	92×92×25mm	No	✓	✓	✓	129
9S1212F401	9S1212F402	9S1212F401	9S1212P4F01	Silent Fan	120×120×25mm	Yes	✓	✓	✓	147
9S1212F4011	9S1212F4021	9S1212F4011	9S1212P4F011	Silent Fan	120×120×25mm	No	✓	✓	✓	147
9S1212H401	9S1212H402	9S1212H401	9S1212P4H01	Silent Fan	120×120×25mm	Yes	✓	✓	✓	147
9S1212H4011	9S1212H4021	9S1212H4011	9S1212P4H011	Silent Fan	120×120×25mm	No	✓	✓	✓	147
9S1212L401	9S1212L402	9S1212L401	—	Silent Fan	120×120×25mm	Yes	✓	✓	✓	147
9S1212L4011	9S1212L4021	9S1212L4011	9S1212P4L011	Silent Fan	120×120×25mm	No	✓	✓	✓	147
9S1212M401	9S1212M402	9S1212M401	9S1212P4M01	Silent Fan	120×120×25mm	Yes	✓	✓	✓	147
9S1212M4011	9S1212M4021	9S1212M4011	9S1212P4M011	Silent Fan	120×120×25mm	No	✓	✓	✓	147
9S1224M401	9S1224M402	9S1224M401	—	Silent Fan	120×120×25mm	Yes	✓	✓	✓	147
9S1224M4011	—	9S1224M4011	—	Silent Fan	120×120×25mm	No	✓	✓	✓	147
9SG1212G101	9SG1212G102	9SG1212G101	9SG1212P1G01	DC	120×120×38mm	No	✓	✓	✓	167
9SG1224G101	9SG1224G102	9SG1224G101	9SG1224P1G01	DC	120×120×38mm	No	✓	✓	✓	167
9SG1224H101	9SG1224H102	9SG1224H101	—	DC	120×120×38mm	No	—	—	—	167
9SG1248G101	9SG1248G102	9SG1248G101	9SG1248P1G01	DC	120×120×38mm	No	✓	✓	✓	167
9SG5724P5H61	9SG5724H562	—	9SG5724P5H61	DC	φ172mm×150mm×51mm	No	✓	✓	✓	179
9SG5748P5G01	—	—	9SG5748P5G01	DC	φ172mm×150mm×51mm	No	✓	✓	✓	179
9SG5748P5H01	—	—	9SG5748P5H01	DC	φ172mm×150mm×51mm	No	✓	✓	✓	179
9TG24P0G01	9TG24G002	9TG24G001	9TG24P0G01	Centrifugal Fan	φ175mm×69mm	—	✓	✓	✓	333
9TG24P0S01	9TG24S002	9TG24S001	9TG24P0S01	Centrifugal Fan	φ175mm×69mm	—	✓	✓	✓	333
9TG48P0G01	—	—	9TG48P0G01	Centrifugal Fan	φ175mm×69mm	—	✓	✓	✓	333
9TJ24P0H61	—	—	9TJ24P0H61	Centrifugal Fan	φ133mm×91mm	—	✓	✓	✓	329
9TJ48P0H01	—	—	9TJ48P0H01	Centrifugal Fan	φ133mm×91mm	—	✓	✓	✓	329
9TM48P4H01	—	—	9TM48P4H01	Centrifugal Fan	φ100mm×25mm	—	✓	✓	✓	327
9TN24P1H01	—	—	9TN24P1H01	Centrifugal Fan	φ150mm×35mm	—	✓	✓	✓	331
9TN48P1H01	—	—	9TN48P1H01	Centrifugal Fan	φ150mm×35mm	—	✓	✓	✓	331
9W1TG48P0H61	—	—	9W1TG48P0H61	Splash Proof Centrifugal Fan	φ175mm×69mm	—	✓	✓	✓	271
9W1TJ24P0H61	—	—	9W1TJ24P0H61	Splash Proof Centrifugal Fan	φ133mm×91mm	—	✓	✓	✓	267
9W1TJ48P0H61	—	—	9W1TJ48P0H61	Splash Proof Centrifugal Fan	φ133mm×91mm	—	✓	✓	✓	267
9W1TM48P4G01	—	—	9W1TM48P4G01	Splash Proof Centrifugal Fan	φ100mm×25mm	—	✓	✓	✓	265
9W1TM48P4H01	—	—	9W1TM48P4H01	Splash Proof Centrifugal Fan	φ100mm×25mm	—	✓	✓	✓	265
9W1TN48P1H01	—	—	9W1TN48P1H01	Splash Proof Centrifugal Fan	φ150mm×35mm	—	✓	✓	✓	269
9WB1412H501	9WB1412H502	9WB1412H501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WB1412M501	9WB1412M502	9WB1412M501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WB1412S501	9WB1412S502	9WB1412S501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WB1424H501	9WB1424H502	9WB1424H501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WB1424M501	9WB1424M502	9WB1424M501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WB1448H501	9WB1448H502	9WB1448H501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WB1448S501	9WB1448S502	9WB1448S501	—	Splash Proof Fan	140×140×51mm	No	✓	✓	✓	257
9WE1724K501	9WE1724K502	9WE1724K501	—	Splash Proof Fan	φ172mm×51mm	No	✓	✓	✓	262
9WE5724K501	9WE5724K502	9WE5724K501	—	Splash Proof Fan	φ172mm×150mm×51mm	No	✓	✓	✓	261
9WE5748K501	9WE5748K502	9WE5748K501	9WE5748P5K01	Splash Proof Fan	φ172mm×150mm×51mm	No	✓	✓	✓	261
9WF0424F601	—	9WF0424F601	—	Oil Proof Fan	40×40×20mm	Yes	✓	✓	✓	276
9WF0424H601	9WF0424H602	9WF0424H601	—	Oil Proof Fan	40×40×20mm	Yes	✓	✓	✓	276
9WF0424H701	9WF0424H702	9WF0424H701	—	Oil Proof Fan	40×40×15mm	Yes	✓	✓	✓	275
9WF0624H401	9WF0624H402	9WF0624H401	—	Oil Proof Fan	60×60×25mm	Yes	✓	✓	✓	279
9WF0624H601	—	9WF0624H601	—	Oil Proof Fan	60×60×20mm	Yes	✓	✓	✓	278
9WF0624H701	9WF0624H702	9WF0624H701	—	Oil Proof Fan	60×60×15mm	Yes	✓	✓	✓	277
9WF0824S401	9WF0824S402	9WF0824S401	—	Oil Proof Fan	80×80×25mm	Yes	✓	✓	✓	280
9WF0924H201	9WF0924H202	9WF0924H201	—	Oil Proof Fan	92×92×32mm	Yes	✓	✓	✓	283
9WF0924H401	9WF0924H402	9WF0924H401	—	Oil Proof Fan	92×92×25mm	Yes	✓	✓	✓	281
9WF0924S201	9WF0924S202	9WF0924S201	—	Oil Proof Fan	92×92×32mm	Yes	✓	✓	✓	283
9WF1224H101	9WF1224H102	9WF1224H101	—	Oil Proof Fan	120×120×38mm	Yes	✓	✓	✓	285
9WG1212E101-E	9WG1212E102-E	9WG1212E101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1212F101-E	9WG1212F102-E	9WG1212F101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1212G101-E	9WG1212G102-E	9WG1212G101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1212H101-E	9WG1212H102-E	9WG1212H101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1212M101-E	—	9WG1212M101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1224E101-E	9WG1224E102-E	9WG1224E101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1224F101-E	9WG1224F102-E	9WG1224F101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1224G101-E	9WG1224G102-E	9WG1224G101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251

Please contact your point of sale regarding lock sensors and low-speed sensors.



Models listed in the main section of this catalog	List of models (models not listed in the main section of this catalog are options. Standards for optional model numbers may differ from the certified standards listed at right.)			Category	Frame Size	Rib	Standard (certification status is for the models listed in this catalog, and standards for optional model numbers may differ.)			page
	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9WG1224H101-E	9WG1224H102-E	9WG1224H101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1224M101-E	9WG1224M102-E	9WG1224M101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1248E101-E	9WG1248E102-E	9WG1248E101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1248F101-E	—	9WG1248F101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1248G101-E	9WG1248G102-E	9WG1248G101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1248H101-E	—	9WG1248H101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG1248M101-E	—	9WG1248M101-E	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	251
9WG5748P5G001	—	—	9WG5748P5G001	Splash Proof Fan	φ172mm×150mm×51mm	No	✓	✓	✓	259
9WG5748P5H001	—	9WG5748H5001	9WG5748P5H001	Splash Proof Fan	φ172mm×150mm×51mm	No	✓	✓	✓	259
9WL0612P4H001	—	—	9WL0612P4H001	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	222
9WL0612P4J001	—	—	9WL0612P4J001	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	222
9WL0612P4S001	9WL0612S4002	—	9WL0612P4S001	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	222
9WL0624P4H001	—	—	9WL0624P4H001	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	222
9WL0624P4J001	—	—	9WL0624P4J001	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	222
9WL0624P4S001	—	—	9WL0624P4S001	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	222
9WL0812P4G001	—	—	9WL0812P4G001	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	227
9WL0812P4H001	—	—	9WL0812P4H001	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	227
9WL0812P4J001	—	—	9WL0812P4J001	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	227
9WL0824P4G001	—	—	9WL0824P4G001	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	227
9WL0824P4H001	—	—	9WL0824P4H001	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	227
9WL0824P4J001	—	—	9WL0824P4J001	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	227
9WL0912P4G001	—	—	9WL0912P4G001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WL0912P4H001	—	—	9WL0912P4H001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WL0912P4J001	—	—	9WL0912P4J001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WL0912P4S001	—	—	9WL0912P4S001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WL0924P4H001	—	—	9WL0924P4H001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WL0924P4J001	—	—	9WL0924P4J001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WL0924P4S001	—	—	9WL0924P4S001	Splash Proof Fan	92×92×25mm	No	✓	✓	✓	237
9WP0412F6001	9WP0412F6002	9WP0412F6001	—	Splash Proof Fan	40×40×20mm	Yes	✓	✓	✓	221
9WP0412H6001	9WP0412H6002	9WP0412H6001	—	Splash Proof Fan	40×40×20mm	Yes	✓	✓	✓	221
9WP0612D401	9WP0612D402	9WP0612D401	—	Splash Proof Fan	60×60×25mm	Yes	✓	✓	✓	225
9WP0612D4011	—	9WP0612D4011	—	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	225
9WP0612G401	9WP0612G402	9WP0612G401	9WP0612P4G01	Splash Proof Fan	60×60×25mm	Yes	✓	✓	✓	225
9WP0612G4011	9WP0612G4021	9WP0612G4011	—	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	225
9WP0612H401	9WP0612H402	9WP0612H401	—	Splash Proof Fan	60×60×25mm	Yes	✓	✓	✓	225
9WP0612H4011	9WP0612H4021	9WP0612H4011	—	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	225
9WP0624G401	9WP0624G402	9WP0624G401	—	Splash Proof Fan	60×60×25mm	Yes	✓	✓	✓	225
9WP0624G4011	—	9WP0624G4011	—	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	225
9WP0624H401	9WP0624H402	9WP0624H401	—	Splash Proof Fan	60×60×25mm	Yes	✓	✓	✓	225
9WP0624H4011	9WP0624H4021	9WP0624H4011	—	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	225
9WP0648H401	9WP0648H402	9WP0648H401	—	Splash Proof Fan	60×60×25mm	Yes	✓	✓	✓	225
9WP0648H4011	9WP0648H4021	9WP0648H4011	—	Splash Proof Fan	60×60×25mm	No	✓	✓	✓	225
9WP0812G401	9WP0812G402	9WP0812G401	9WP0812P4G01	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	231
9WP0812G4011	9WP0812G4021	9WP0812G4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	231
9WP0812H401	9WP0812H402	9WP0812H401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	231
9WP0812H4011	9WP0812H4021	9WP0812H4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	231
9WP0824H401	9WP0824H402	9WP0824H401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	231
9WP0824H4011	9WP0824H4021	9WP0824H4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	231
9WP0824S401	9WP0824S402	9WP0824S401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	231
9WP0824S4011	—	9WP0824S4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	231
9WP0848S401	9WP0848S402	9WP0848S401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	231
9WP0848S4011	9WP0848S4021	9WP0848S4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	231
9WP0912F401	9WP0912F402	9WP0912F401	—	Splash Proof Fan	92×92×25mm	Yes	—	—	—	243
9WP0912S401	—	9WP0912S401	—	Splash Proof Fan	92×92×25mm	Yes	—	—	—	243
9WP0924B401	9WP0924B402	9WP0924B401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	243
9WP0924F401	9WP0924F402	9WP0924F401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	243
9WP0924G401	—	9WP0924G401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	243
9WP0924H401	9WP0924H402	9WP0924H401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	243
9WP0924S401	9WP0924S402	9WP0924S401	—	Splash Proof Fan	92×92×25mm	Yes	—	—	—	243
9WP1212H101	9WP1212H102	9WP1212H101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	249
9WP1212H1011	9WP1212H1021	9WP1212H1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	249
9WP1224H101	9WP1224H102	9WP1224H101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	249

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	Without sensor	With pulse sensor	With PWM speed control function and pulse sensor				UL	CSA	TÜV	
9WP1224H1011	9WP1224H1021	9WP1224H1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	249
9WP1248H101	9WP1248H102	9WP1248H101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	249
9WP1248H1011	9WP1248H1021	9WP1248H1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	249
9WS0812F401	9WS0812F402	9WS0812F401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	233
9WS0812F4011	9WS0812F4021	9WS0812F4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	233
9WS0812H401	9WS0812H402	9WS0812H401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	233
9WS0812H4011	9WS0812H4021	9WS0812H4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	233
9WS0812M401	9WS0812M402	9WS0812M401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	233
9WS0812M4011	9WS0812M4021	9WS0812M4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	233
9WS0824F401	9WS0824F402	9WS0824F401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	233
9WS0824F4011	9WS0824F4021	9WS0824F4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	233
9WS0824H401	9WS0824H402	9WS0824H401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	233
9WS0824H4011	9WS0824H4021	9WS0824H4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	233
9WS0824M401	9WS0824M402	9WS0824M401	—	Splash Proof Fan	80×80×25mm	Yes	✓	✓	✓	233
9WS0824M4011	9WS0824M4021	9WS0824M4011	—	Splash Proof Fan	80×80×25mm	No	✓	✓	✓	233
9WS0912F401	9WS0912F402	9WS0912F401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0912H401	9WS0912H402	9WS0912H401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0912L401	9WS0912L402	9WS0912L401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0912M401	9WS0912M402	9WS0912M401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0924F401	9WS0924F402	9WS0924F401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0924H401	9WS0924H402	9WS0924H401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0924L401	9WS0924L402	9WS0924L401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS0924M401	9WS0924M402	9WS0924M401	—	Splash Proof Fan	92×92×25mm	Yes	✓	✓	✓	241
9WS1212H101	9WS1212H102	9WS1212H101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	253
9WS1212H1011	9WS1212H1021	9WS1212H1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	253
9WS1212M101	9WS1212M102	9WS1212M101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	253
9WS1212M1011	9WS1212M1021	9WS1212M1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	253
9WS1224H101	9WS1224H102	9WS1224H101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	253
9WS1224H1011	9WS1224H1021	9WS1224H1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	253
9WS1224M101	9WS1224M102	9WS1224M101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	253
9WS1224M1011	9WS1224M1021	9WS1224M1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	253
9WS1248H101	9WS1248H102	9WS1248H101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	253
9WS1248H1011	9WS1248H1021	9WS1248H1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	253
9WS1248M101	9WS1248M102	9WS1248M101	—	Splash Proof Fan	120×120×38mm	Yes	✓	✓	✓	253
9WS1248M1011	9WS1248M1021	9WS1248M1011	—	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	253
9WV0848P1H001	—	—	9WV0848P1H001	Splash Proof Fan	80×80×38mm	Yes	✓	✓	✓	235
9WV0848P1H0011	—	—	9WV0848P1H0011	Splash Proof Fan	80×80×38mm	No	✓	✓	✓	235
9WV0948P1H001	—	—	9WV0948P1H001	Splash Proof Fan	92×92×38mm	Yes	✓	✓	✓	245
9WV1212P1J001	—	—	9WV1212P1J001	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	247
9WV1224P1H001	9WV1224H102	9WV1224H101	9WV1224P1H001	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	247
9WV1224P1J601	—	9WV1224J1001	9WV1224P1J601	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	247
9WV1248P1J001	9WV1248J1002	9WV1248J1001	9WV1248P1J001	Splash Proof Fan	120×120×38mm	No	✓	✓	✓	247

Please contact your point of sale regarding lock sensors and low-speed sensors

# Safety Standards

List of safety standards acquired → refer to the index (pp. 417 to 437)

## Description of safety standards

### 1. UL ratings (USA)



Underwriters Laboratories Inc. was established by the American Union of Fire Insurance Underwriters. The purpose of UL is to ensure safety of machines, equipment, and materials and protect human lives and property from fire and other accidents. To that end, UL has conducted numerous tests and extensive research and, as a result, set up UL ratings. Any seller of products in any of the majority of the states of the USA must produce their products according to the UL ratings, have them pass UL-specified safety inspections, and have them listed in UL's registration book. Therefore, to export and sell any product in the United States, one must in most cases apply for UL-listing. Additionally, UL is accredited by The Standards Council of Canada (SCC) as both a Certification Organization (CO) and a Testing Organization (TO) and is officially recognized in all provinces and territories throughout Canada. Accordingly, our products can be tested by UL for compliance with Canadian safety standards. Certified products are entitled to display the C-UL Mark, which authorizes their use and sale in Canada. If products are deemed to be compliant with both U.S. and Canadian standards, then both the UL Mark and C-UL Mark can be displayed or a combination U.S. and Canadian mark (bottom left). Our products are certified as satisfying all UL507 requirements.

### 2. CSA standards (Canada)



The Canadian Standards Association (CSA) was set up in response to the advice of the Canadian government. In Canada, the law prohibits the use and sale of any product other than those approved under CSA in terms of safety. CSA has set up CSA standards as inspection procedures and other requirements to ensure product safety. Our products are certified as satisfying the CSA standard C22.2 No. 113.

### 3. EN standards (EU members)



In the EU territory, the harmonization of industrial standards and safety standards of different countries is under way. The unified standards are called Harmonized Standards. Each of these standards is marked EN above the standard number. EN standards offer the grounds in design and manufacture when one exports a product to the EU territory. In order for a product to receive a safety marking, the product must be found to conform to TÜV, VDE, or other relevant standard. Our products are certified as satisfying all TÜV Rheinland EN60950 requirements.

### 4. Electrical appliance and material safety law



As of April 1, 2001, the Electrical Appliance and Material Control Law has been revised and reenacted as the Electrical Appliance and Material Safety Law. AC fans are classified as 'Blowers' under 'Electric motor-operated appliances'. They are categorized as electrical products other than specific electrical appliances (with the exception of some models) and are required to be labeled to indicate PSE certification.

### 5. CE marking



To distribute their equipment in the EU territory, manufacturers are obligated to give a CE marking as proof that the equipment conforms to related EU directives. Manufacturers use EN standards as criteria of judgment as to whether the equipment satisfies the requirements of specific directives or, in the absence of applicable EN standards, they use IEC standards. Manufacturers then prepare a self-declaration to indicate that the equipment conforms to related directives and apply a CE marking. (Depending on the degree of risk of the equipment, some kinds of equipment are required to receive type tests conducted by certified authorities and, after a type test certificate is obtained, manufacturers make a self-declaration.)

Scope of application and compulsory timing of major EC directives

#### Machine directives

These directives apply to equipment that has a moving part that may injure humans. The directives generally apply to a wide range of machine tools and other industrial machines.

#### EMC directives

They apply to equipment which may be affected by electromagnetic interference (EMI) or has electromagnetic susceptibility (EMS).

#### Low-voltage directive

This directive applies to equipment that is used in an AC range between 50 and 1,000V and in a DC range between 75 and 1,500V.

#### JIS: Japanese Industrial Standards

Japan's national standards related to mining and manufacturing industries

#### IEC : International Electrotechnical Commission

This is an international commission on electrical standardization. This commission promotes the unification and cooperation of international standards related to electric and electronics engineering and issues IEC standards in order eventually to allow different countries to conform to the international standards.