

Infrastructure Cooling

Indoor		Outdoor		Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	OFM		IFM				
											kW	FLA	kW	FLA			
FCQHG71FVEB	x2	RZQG125L9V1B		1~ 50Hz 220-240V	Minimum: 198 V Maximum 264 V	28.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2			
FCQHG140FVEB		RZQG125L9V1B				29.3	--	32	--	24.2	0.094+0.094	0.4+0.4	0.244	1.4			
FCQG35FVEB	x4	RZQG125L9V1B				29.0	--	32	--	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4			
FCQG50FVEB	x3	RZQG125L9V1B				28.6	--	32	--	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3			
FCQG71FVEB	x2	RZQG125L9V1B				28.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2			
FCQG140FVEB		RZQG125L9V1B				28.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.168	1.0			
FFQ35C2VEB	x4	RZQG125L9V1B				29.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4			
FFQ50C2VEB	x3	RZQG125L9V1B				29.0	--	32	--	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3			
FBQ35D2VEB	x4	RZQG125L9V1B				30.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4			
FBQ50D2VEB	x3	RZQG125L9V1B				29.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3			
FBQ71D2VEB	x2	RZQG125L9V1B				28.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2			
FBQ140D2VEB		RZQG125L9V1B				29.4	--	32	--	24.2	0.094+0.094	0.4+0.4	0.187	1.5			
FHQ35CAVEB	x4	RZQG125L9V1B				30.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4			
FHQ50CAVEB	x3	RZQG125L9V1B				29.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3			
FHQ71CAVEB	x2	RZQG125L9V1B				29.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2			
FHQ140CAVEB		RZQG125L9V1B				29.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.150	1.8			
FUQ71CVEB	x2	RZQG125L9V1B				29.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2			
FAQ71CVEB	x2	RZQG125L9V1B				28.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2			
FVQ140CVEB		RZQG125L9V1B				29.3	--	32	--	24.2	0.094+0.094	0.4+0.4	0.276	1.4			
FDXS35F2VEB	x4	RZQG125L9V1B				29.0	--	32	--	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4			
FDXS50F2VEB9	x3	RZQG125L9V1B				29.4	--	32	--	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3			
FCQHG71FVEB	x2	RZQG140L9V1B				1~ 50Hz 220-240V	Minimum: 198 V Maximum 264 V	28.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2	
FCQHG140FVEB		RZQG140L9V1B						29.3	--	32	--	24.2	0.094+0.094	0.4+0.4	0.244	1.4	
FCQG35FVEB	x4	RZQG140L9V1B						29.0	--	32	--	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4	
FCQG50FVEB	x3	RZQG140L9V1B						28.6	--	32	--	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3	
FCQG71FVEB	x2	RZQG140L9V1B						28.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2	
FCQG140FVEB		RZQG140L9V1B						28.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.168	1.0	
FFQ35C2VEB	x4	RZQG140L9V1B						29.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4	
FFQ50C2VEB	x3	RZQG140L9V1B						29.0	--	32	--	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3	
FBQ35D2VEB	x4	RZQG140L9V1B						30.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4	
FBQ50D2VEB	x3	RZQG140L9V1B						29.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3	
FBQ71D2VEB	x2	RZQG140L9V1B						28.8	--	32	--	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2	
FBQ140D2VEB		RZQG140L9V1B						29.4	--	32	--	24.2	0.094+0.094	0.4+0.4	0.187	1.5	
FHQ35CAVEB	x4	RZQG140L9V1B						30.5	--	32	--	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4	
FHQ50CAVEB	x3	RZQG140L9V1B		29.8	--			32	--	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3			
FHQ71CAVEB	x2	RZQG140L9V1B		29.5	--			32	--	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2			
FHQ140CAVEB		RZQG140L9V1B		29.8	--			32	--	24.2	0.094+0.094	0.4+0.4	0.150	1.8			
FUQ71CVEB	x2	RZQG140L9V1B		29.8	--			32	--	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2			
FAQ71CVEB	x2	RZQG140L9V1B		28.5	--			32	--	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2			
FVQ140CVEB		RZQG140L9V1B		29.3	--			32	--	24.2	0.094+0.094	0.4+0.4	0.276	1.4			
FDXS35F2VEB	x4	RZQG140L9V1B		29.0	--			32	--	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4			
FDXS50F2VEB9	x3	RZQG140L9V1B		29.4	--			32	--	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3			

Symbols

- MCA: Minimum Circuit Ampere [A]
- TOCA: Total overcurrent amps [A]
- MFA: Maximum Fuse Ampere [A]
- MSC: Maximum current of the starting compressor [A]
- RLA: Rated load amps [A]
- OFM: Outdoor fan motor
- IFM: Indoor fan motor
- FLA: Full Load Ampere [A]
- KW: Fan motor rated output [kW]

Notes

1. The RLA is based on the following conditions.
 - Cooling
 - Indoor temperature 27.0°C DB / 19.0°C WB
 - Outdoor temperature 35.0°C DB
 - Heating
 - Indoor temperature 20.0°C DB
 - Outdoor temperature 7.0°C DB / 6.0°C WB
2. TOCA is the total value of each overcurrent set.
3. Voltage range
 - The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
4. The maximum allowable voltage that is unbalanced between phases is 2%.
5. MCA is the maximum input current.
 - The capacity of the MFA must be greater than that of the MCA.
 - Select the MFA according to the table.
6. Select the wire size according to the MCA.
7. MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 - Earth leakage circuit breaker