9. Electrical characteristics

Select the breaker based on MCA of the following tables.
Select the wire diameter based on the larger value of MCA or TOCA of the following tables.
Select a wire diameter which withstands the breaker capacity.
Select the correct cable type and size according to the country or region's regulations.
Limited wiring length is in case voltage drop less than 2%. When wiring length extend longer, select the wiring size of larger diameter.

- RLA: Rated Load Amp of compressor under the standard condition
- MCA: Minimum Circuit Ampacity = Maximum operating current (Full load)
- MSC: Starting current (The maximum current during startup of the compressor)
- TOCA: Total Over-Current Ampacity
- MFA: Main Fuse (circuit breaker) Ampacity

OUTDOOR UNITS

9-1. Stand-alone

HP	Model name	Power supply: 50 Hz, 400 V		
		Full load characteristics		
		MCA (A)	TOCA (A)	MSC (A)
8	AJ✳072GALDH	18.7	17.0	18.5
10	AJ✳090GALDH	23.3	21.2	22.7
12	AJ✳108GALDH	23.3	21.2	22.7
14	AJ✳126GALDH	37.4	34.0	35.5
16	AJ✳144GALDH	37.4	34.0	35.5

HP	Model name	Wiring specifications*1			
		MFA (A)	Power cable (mm^2)	Earth cable (mm^2)	Limited wiring length*2 (m)
8	AJ✳072GALDH	20	4	4	51
10	AJ✳090GALDH	25	6	6	62
12	AJ✳108GALDH	25	6	6	62
14	AJ✳126GALDH	40	10	10	64
16	AJ✳144GALDH	40	10	10	64

*1: These values are recommended data. Select the wiring specification in accordance with local rules.
*2: This wiring length is in case voltage drop less than 2%. When wiring length extend longer, select the wiring size of larger diameter.

HP	Model name	Compressor	Outdoor fan motor	
		RLA (A)	Output (kW)	FLA (A)
8	AJ✳072GALDH	11.2	0.75	1.1
10	AJ✳090GALDH	11.2	0.75	1.1
12	AJ✳108GALDH	11.2	0.75	1.1
14	AJ✳126GALDH	13.5	0.75	1.1
16	AJ✳144GALDH	13.5	0.75	1.1