

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: Maximum Starting Current
- TOCA: Total Over-Current Ampacity
- MFA: Main Fuse (circuit breaker) Ampacity

9-1. Stand-alone

HP	Model name	Power supply	Full load characteristics		
			MCA (A)	TOCA (A)	MSC (A)
4	AJ*040LCLBH	50 Hz, 230 V	27.7	29.5	28.4
5	AJ*045LCLBH		27.7	29.5	28.4
6	AJ*054LCLBH		29.7	31.5	30.4

HP	Model name	Wiring specifications			
		MFA (A)	Power cable (mm ²)	Earth cable (mm ²)	Limited wiring length (m)
4	AJ*040LCLBH	32	6	4	18
5	AJ*045LCLBH	32	6	4	18
6	AJ*054LCLBH	32	6	4	18

HP	Model name	Compressor	Outdoor fan motor	
		RLA (A)	Output (W)	FLA (A)
4	AJ*040LCLBH	24	111	0.51
5	AJ*045LCLBH	24	111	0,51
6	AJ*054LCLBH	26	111	0.51