

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

9-1. Stand-alone

HP	Model name	Power supply	Full load characteristics		
			MCA (A)	TOCA (A)	MSC (A)
4	AJ*040LBLDH	50 Hz, 230 V	30.0	27.9	27.9
5	AJ*045LBLDH		30.0	27.9	27.9
6	AJ*054LBLDH		32.2	29.9	29.9
4	AJ*040LELDH	50 Hz, 400 V	14.6	13.9	13.9
5	AJ*045LELDH		14.6	13.9	13.9
6	AJ*054LELDH		14.6	13.9	13.9

HP	Model name	Wiring specifications			
		MFA (A)	Power cable (mm ²)	Earth cable (mm ²)	Limited wiring length (m)
4	AJ*040LBLDH	32	6	4	18
5	AJ*045LBLDH	32	6	4	18
6	AJ*054LBLDH	40	6	4	17
4	AJ*040LELDH	16	2.5	2.5	32
5	AJ*045LELDH	16	2.5	2.5	32
6	AJ*054LELDH	16	2.5	2.5	32

HP	Model name	Compressor	Outdoor fan motor	
		RLA (A)	Output (W)	FLA (A)
4	AJ*040LBLDH	24	100	0.66
5	AJ*045LBLDH	24	100	0.66
6	AJ*054LBLDH	26	100	0.66
4	AJ*040LELDH	10	100	0.66
5	AJ*045LELDH	10	100	0.66
6	AJ*054LELDH	10	100	0.66