

## 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*040LBLBH	50 Hz, 230 V	30.0	27.9	27.9
5	AJ*045LBLBH		30.0	27.9	27.9
6	AJ*054LBLBH		32.2	29.9	29.9
4	AJ*040LELBH	50 Hz, 400 V	14.6	13.9	13.9
5	AJ*045LELBH		14.6	13.9	13.9
6	AJ*054LELBH		14.6	13.9	13.9

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

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