

415 V Electricity Supply

Air Compressor Model	Main Motor Rating (kW)	Main Motor Starting Method	Supply Voltage and Type	Nominal Running Current (A)	Minimum Circuit Breaker Rating (A)	Circuit Breaker Tripping Curve
COMBI 8	7.5	Star-Delta	415V 3P+N+E	15	32	C or D
COMBI 11	11	Star-Delta	415V 3P+N+E	22	40	C or D
COMBI 11SC	11	VSD	415V 3P+N+E	22	40	B, C or D
COMBI 15	15	Star-Delta	415V 3P+N+E	30	50	C or D
COMBI 18	18	Star-Delta	415V 3P+N+E	36	63	C or D
COMBI 22	22	Star-Delta	415V 3P+N+E	41	63	C or D
COMBI 22SC	22	VSD	415V 3P+N+E	41	63	B, C or D
G-DRIVE 30	30	Star-Delta	415V 3P+E	60	80	C or D
V-DRIVE 30	30	VSD	415V 3P+E	58	80	B, C or D
G-DRIVE 37	37	Star-Delta	415V 3P+E	72	100	C or D
V-DRIVE 37	37	VSD	415V 3P+E	92	125	B, C or D
G-DRIVE 45	45	Star-Delta	415V 3P+E	90	125	C or D
V-DRIVE 45	45	VSD	415V 3P+E	88	125	B, C or D
G-DRIVE 56	55	Star-Delta	415V 3P+E	108	160	C or D
V-DRIVE 56	55	VSD	415V 3P+E	106	160	B, C or D
G-DRIVE 75	75	Star-Delta	415V 3P+E	137	200	C or D
V-DRIVE 75	75	VSD	415V 3P+E	135	200	B, C or D

Notes

1. All electrical installations must be performed by a licensed electrician in accordance with the prevailing AS/NZS 3000 Wiring Rules.
2. The power supply must be stabilised at the rated voltage and 50 Hertz frequency. A portable electric generator is not recommended for powering the compressor unless it has ample generating capacity to supply both the requisite starting and running current demands without appreciable voltage or frequency drop.
3. A separate electricity supply circuit is recommended for the compressor to avoid motor current overload due to excessive voltage drop or an unbalanced three-phase condition caused by other electrical equipment operating in parallel.
4. The circuit breaker information provided above is a general guide only for dedicated supply to the compressor.
5. The maximum running current may exceed the specified nominal value in practice if the electricity supply voltage or power factor are below their rated levels.
6. For additional protection against electric shock, it is recommended to include a fixed setting residual current device (RCD) with rated operating residual current not exceeding 30 mA. Special RCD's should be considered for use with high current or variable speed drives (VSD's) to prevent nuisance tripping.