



## 415 V Electricity Supply

Air Compressor Model	Main Motor Rating (kW)	Main Motor Starting Method	Maximum Running Current (A)	Minimum Circuit Breaker Rating (A)	Circuit Breaker Tripping Curve
ES04	3.7	Direct On Line	8.3	16	D
ES08	3.7 x 2	Direct On Line	16.6	25	D
ES11	3.7 x 3	Direct On Line	24.9	40	D
ES15	3.7 x 4	Direct On Line	33.2	50	D
SE15 / SEG20	15	Star-Delta	31.9	40	C or D
SE18 / SEG25	18.5	Star-Delta	38.0	50	C or D
SE22 / SEG30	22	Star-Delta	47.1	63	C or D
SE30 / SEG40	30	Star-Delta	62.9	80	C or D
SE37 / SEG50	37	Star-Delta	75.0	100	C or D

### Notes

1. All electrical installation work 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 value in practice if the electricity supply voltage or power factor are below their rated levels.
6. A four-wire conductor is required for the 415 V electricity supply, i.e. three-phase and earth. No neutral is required.
7. 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 RCDs should be considered for use with high currents to prevent nuisance tripping.