# GT Electrics data sheet.General use

| Dryer Model | ABB Motor - 400V, 50Hz, 3~ | | | | | | | Power requirement | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Funtion | Motor size | kw | hp | Amp | motor r/min | shaft size | Total kw | Running Amps | 3 phase power supply Amp/phase | Generator kVA recommended (running) |
| 300 std series | main drive | M2AA 160L | 15* | 20 | 30.0 | 1460 | 42 | 15 | 26 | 63 | 44 (22) |
| 500 std series | main drive | M2AA 180M4 | 18.5* | 25 | 34.0 | 1470 | 48 | 18.5 | 29 | 63 | 55 (27) |
| 700 std series | main drive | | 22* | 30 | 39.0 | 1470 | 48 | 22 | 33 | 63 | 66 (32) |
| Elec head - std | unload auger | M2AA 090S | 1.5 | 2 | 3.5 | 1420 | 24 | 1.5 | 3 | - | Add 1kVA |
| Elec head - extended | unload auger | M2AA 112M | 4 | 5 | 8.9 | 1435 | 28 | 4 | 8 | - | Add 2.5kVA |
| Sky-vac | 1~ 230v, 50Hz | M2AD 090S | 1.5 | 2 | 9.0 | 2745 | 24 | | | - | - |
| | 3~ 400v, 50Hz | M2AA 090S | 1.5 | 2 | 3.5 | 2870 | 24 | | | - | Add 1kVA |
| 600 Auto series | centrigugal fan | M2AA 160M4 | 11* | 15 | 21.5 | 1465 | 42 | 27.5 | 46.5 | 63 | 50 (43) |
| | vertical auger | M2AA 160M4 | 11* | 15 | 21.5 | 1465 | 42 | | | | |
| | vertical auger | - | - | - | - | - | - | | | | |
| | load auger | M2AA 112M | 4 | 5 | 8.9 | 1435 | 28 | | | | |
| | std unload auger | M2AA 090L | 1.5 | 2 | 3.5 | 1420 | 24 | | | | |
| | aux load skt | Upto 5.5kw motor size | - | - | 9 - 14 | - | - | | | | |
| | aux unload skt | Upto 5.5kw motor size | - | - | 9 - 14 | - | - | | | | |
| | sky-vac (optional) | M2AA 090S | 1.5 | 2 | 3.5 | 2870 | 24 | 1.5 | 3 | - | Add 1kVA |
| 800 Auto series | centrigugal fan | M2AA 160L | 15* | 20 | 28.0 | 1465 | 42 | 31.5 | 53 | 63 | 60 (49) |
| | vertical auger | M2AA 160M4 | 11* | 15 | 21.5 | 1465 | 42 | | | | |
| | vertical auger | - | - | - | - | - | - | | | | |
| | load auger | M2AA 112M | 4 | 5 | 8.9 | 1435 | 28 | | | | |
| | std unload auger | M2AA 090L | 1.5 | 2 | 3.5 | 1420 | 24 | | | | |
| | aux load skt | Upto 5.5kw motor size | - | - | 9 - 14 | - | - | | | | |
| | aux unload skt | Upto 5.5kw motor size | - | - | 9 - 14 | - | - | | | | |
| | sky-vac (optional) | M2AA 090S | 1.5 | 2 | 3.5 | 2870 | 24 | 1.5 | 3 | - | Add 1kVA |

* Motors highlighted with astrix are wired as Star/Delta (SD) to reduce the starting current, all other motors are wired direct on line (DOL)
Starting current on the dryer will be x 2.5 for Star/Delta motors and x 6 for direct on line motors
Power supply - 400V, 63amp socket, 3 phase including earth & neutral with additional RCD protection as required by BS7671:2008 for agricultural premises
Electrical installation work should be carried out by a suitably qualified electrical contractor (NICEIC, ECA approved)