

**Common applications, used as a guide to determine appropriate Trip Class.**

| <b>Application</b>                | <b>Trip Class</b> | <b>Start Time (s)</b> | <b>Notes</b>   |
|-----------------------------------|-------------------|-----------------------|--|
| <b>Standard</b>                   | 5                 | 5                     | Suitable for Star / Delta applications with < 5 s Star time, motor starts off load |
| <b>Heavy</b>                      | 10B               | 12                    | Suitable for Star / Delta with applications < 12 s Star time                       |
| <b>High Torque</b>                | 20                | 12                    | Requires more starting torque than a Star / Delta                                  |
| <b>Centrifugal Pump</b>           | 10                | 10                    | Generally easy to start when pumping water   |
| <b>Positive displacement Pump</b> | 10                | 12                    | Can be difficult to start  |
| <b>Off load Conveyor</b>          | 5                 | 5                     | Unloaded at start  |
| <b>Heavy conveyor</b>             | 20                | 12                    | Loaded at start  |
| <b>High inertia fan</b>           | 10                | 23                    | Generally fans greater or equal to 45KW  |
| <b>Off load Compressor</b>        | 5                 | 5                     | Special circuits ensure motor starts off load                                      |
| <b>Loaded Compressor</b>          | 10                | 12                    | Some compressor systems can be difficult to start                                  |
| <b>Off load Mixer</b>             | 5                 | 5                     | No material in basin, off load   |
| <b>Heavy Mixer</b>                | 20                | 12                    | Material in basin  |