

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

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

### Trip Class table

le (A) 400V	Inline KW 400V	Inline HP 460V
22 A	11 KW	15 HP
29 A	15 KW	20 HP
41 A	22 KW	30 HP
55 A	30 KW	40 HP
66 A	37 KW	50 HP
80 A	45 KW	77 HP
97 A	55 KW	75 HP
132 A	75 KW	106 HP
160 A	90 KW	150 HP
195 A	110 KW	175 HP

Trip Class 5 3-5: 355 (10/Hr) (Standard)	Trip Class 10B 3.5-12: 708 (5/Hr)	Trip Class 10 3-23: 697 (5/Hr)	Trip Class 20 4-19: 701 (5/Hr)	Trip Class 30 4-29: 691 (5/Hr)
DFE-02	DFE-04	DFE-04	DFE-04	DFE-06
DFE-04	DFE-06	DFE-06	DFE-06	DFE-08
DFE-06	DFE-08	DFE-08	DFE-12	DFE-16
DFE-08	DFE-12	DFE-12	DFE-16	DFE-22
DFE-12	DFE-14	DFE-14	DFE-22	DFE-22
DFE-14	DFE-22	DFE-22	DFE-22	DFE-24
DFE-16	DFE-22	DFE-22	DFE-24	DFE-26
DFE-22	DFE-26	DFE-26	DFE-30	DFE-32
DFE-24	DFE-30	DFE-30	DFE-32	DFE-34
DFE-26	DFE-30	DFE-30	DFE-34	DFE-36

\* The basic guide for the DFE-30 to DFE-38 is available as part No. M-7A87-F.