

DUTY CLASS

START CLASS CHART

Duty type	Starts per hour	Jogs per hour	Brakings to standstill per hour	Complete reversals per hour	Starting class i.e. number of starts or thermal equivalent per hour
S3	6	0	0	0	6
S3	4	8	0	0	6
S4	150	0	0	0	150
S4	100	200	0	0	150
S5	80	0	80	0	150
S5	65	130	65	0	150
S5	30	160	30	30	150
S4	300	0	0	0	300
S4	200	400	0	0	300
S5	160	0	160	0	300
S5	130	260	130	0	300
S5	60	320	60	60	300

S 3 - INTERMITTENT PERIODIC DUTY

Following duty types are recognised for crane application.

A sequence of identical duty cycles, each consisting of a period of operation at constant load and de-energized rest period, these periods being too short to attain thermal equilibrium during one duty cycle. In this duty type the break-away starting current does not significantly affect the temperature rise for this duty type.

Unless otherwise specified, the duration of the duty cycle is 10 minutes.

The recommended values for CDF are 25,40 and 60 percent.

