

ELECTRICAL MOTORS

Maximum permissible temperature
Rise for different classes of Insulation

Class of insulation	Max. permissible Temp. limit °c	Hot spot Allowance °c	Max. permissible Temp. rise for windings At ambient temps of °c				
			40	45	50	55	60
B	130	10	80	75	70	65	60
F	155	10	105	100	95	90	85
H	180	15	125	120	115	110	105

Hot spot temp. is an empirical value in °c by which hottest spot of winding can exceed the mean temp. rise of the winding for guidance. To use updated version

For guidance. To use updated version

source: Crompton manual