

## SELECTION DATA

### TYPE : NK SERIES

#### Circuit breaker selection for motor circuits: D.O.L. starting

Full Load Current	Approx. Motor kW	415V 50Hz 3 PHASE Breaker Type & Current Rating		Approx. Motor H.P.
		SK103H H103	SK203 H203	
1-3	0.75	10		1
4	1.5	10		2
5	2.2	10		3
6-7	3.0	16		4
8-10	3.7	20		6
11-14	5.5	25		7.5
15-16	7.5	32		10
17-20	10	32		12.5
21-22	11	40		15
23-26		50		
27-28	15	50		20
29-31		63		
32-36	18.5	63		25
37-44	22	63		30
45-51	25	63		35
52-56	30	80		40
57-6	34	80		
61-68	37	100		50
69-72		100		
73-80	45	100		60
81-100	55		125	70/75
101-120	67		160	80/90
121-140	75		175	100
141-160	90		200	125
161-180	100		225	
181-200	110		250	150

The above table is based on breakers holding 125% of motor F.L.C. continuously irrespective of ambient temperature and 600% of motor F.L.C. for a minimum of 10 seconds. For special applications and high inertia loads, selection should be made directly from the published circuit breaker time-current curves.

## SELECTION DATA

### TYPE : NK SERIES

**Circuit breaker selection for motor circuits:  
Star Delta, Auto-transformer, Resistor or Reactance starting.**

Full Load Current	415V 50Hz 3 PHASE Breaker Type & Current Rating			Approx. Motor H.P.
	Approx. Motor kW	SK103H H103	SK203 H203	
1-3	0.75	10		1
4	1.5	10		2
5	2.2	10		3
6-7	3.0	16		4
8-10	3.7	20		6
11-14	5.5	25		7.5
15-16	7.5	32		10
17-20	10	32		12.5
21-22	11	40		15
23-26		50		
27-28	15	50		20
29-31		63		
32-36	18.5	63		25
37-44	22	63		30
45-51	25	63		35
52-56	30	80		40
57-6	34	80		
61-68	37	100		50
69-72		100		
73-80	45	100		60
81-100	55		125	70/75
101-120	67		160	80/90
121-140	75		175	100
141-160	90		200	125
161-180	100		225	
181-200	110		250	150

The above table is based on breakers holding 115% of motor F.L.C. continuously irrespective of ambient temperature and 350% of motor F.L.C. for a minimum of 20 seconds. For special applications and high inertia loads, selection should be made directly from the published circuit breaker time-current curves.