

The rated output, listed CDF and total inertia are closely interlinked and alteration of any one of them has an effect on the other two.

The driven inertia has an effect of increased heating with the increasing number of starts/hour and therefore the inertia values given should not be exceeded in these cases.

However, the permissible load inertia can be increased by lowering the number of starts as per the following rules.

For the starting class lower than 150 or between two listed categories, the “total permissible inertia” (i.e. motor + load + coupling + brake drum) can be varied in inverse proportion to the number of starts.

## BEARING & LUBRICATION

### BEARING CHART AND LUBRICATION DETAILS FOR CAGE & SLIPRING MOTORS

Sr. No.	Frame	Bearing Number		Grease Quantity	Lubrication Intervals in Hours		
		DE side	NDE Side	In Grams	4 Pole	6 Pole	8 Pole
1	80	6204	6204	3.0	11,000	17,000	20,000
2	90	6205	6205	3.7	10,000	16,000	20,000
3	100	6206	6206	4.7	9,000	14,000	19,000
4	112	6306	6206	6.5	8,000	12,000	18,000
5	132	6308	6208	9.8	6,500	10,000	14,000
6	160	6309	6209	11.8	6,000	9,000	13,000
7	180	6310	6309	15.0	4,000	1,500	4,000
8	200	6312	6310	20.0	4,000	1,500	4,000
9	ID 132M	6308	6308	10.0	6,500	10,000	14,000
10	ID 160M/L	6309	6309	12.0	6,000	9,000	13,000
11	ID 180L	6310	6310	15.0	4,000	1,500	4,000
12	ID 200L	6312	6312	20.0	4,000	1,500	4,000
13	ID 225M	6313	6313	20.0	4,000	1,500	4,000

**Note : Grease specification : Multipurpose grease conforming to grade 3 of IS 7623.**