

CLASS III Speed Reducer Size Selection Tables

OUTPUT SPEED RPM	REDUCER SIZE	NOMINAL RATIO [†]	OUTPUT SPEED RPM	REDUCER SIZE	NOMINAL RATIO [†]	OUTPUT SPEED RPM	REDUCER SIZE	NOMINAL RATIO [†]
1/4 HP (.18 kW) Motor			2 HP (1.5 kW) Motor (cont.)			7 1/2 HP (5.5 kW) Motor (cont.)		
10 - 100	107C	25	22 - 33	203E	25	95 - 100	203E	25
	107C	20		203E	20		203E	20
	107C	14		203E	14		203E	14
101 - 400	107C	5	34 - 57	115D	25	101 - 219	203E	5
1/3 HP (.25 kW) Motor				115D	20	220 - 400	115D	5
10 - 100	107C	25		115D	14	10 HP (7.5 kW) Motor		
	107C	20	58 - 100	107C	25	10 - 11	507L	25
	107C	14		107C	20		507L	14
101 - 400	107C	5	101 - 400	107C	14	12 - 15	415K	25
1/2 HP (.37 kW) Motor				107C	5		415K	20
10 - 13	115D	25	3 HP (2.2 kW) Motor				415K	14
	115D	20	10 - 13	307H	25	16 - 19	407S	25
	115D	14		307H	20		407S	20
14 - 100	107C	25		307H	14		407S	14
	107C	20	14 - 21	215G	25	20 - 29	315J	25
	107C	14		215G	20		315J	20
101 - 400	107C	5	22 - 31	215G	14	30 - 45	315J	14
3/4 HP (.55 kW) Motor				207F	25		307H	25
10 - 13	203E	25		207F	20		307H	20
	203E	20		207F	14		307H	14
	203E	14	32 - 53	203E	25	46 - 84	215G	25
14 - 19	115D	25		203E	20		215G	20
	115D	20		203E	14	85 - 100	215G	14
	115D	14	54 - 94	115D	25		207F	25
20 - 100	107C	25		115D	20		207F	20
	107C	20	95 - 100	115D	14	101 - 169	207F	14
	107C	14		107C	25	170 - 329	207F	5
101 - 400	107C	5		107C	20	330 - 400	203E	5
	107C	5	101 - 400	107C	14		115D	5
1 HP (.75 kW) Motor				107C	5	15 HP (11 kW) Motor		
10 - 11	207F	25	5 HP (3.7 kW) Motor			10 - 15	507L	25
	207F	20	10 - 15	315J	25		507L	20
	207F	14		315J	20		507L	14
12 - 17	203E	25		315J	14	16 - 21	415K	25
	203E	20	16 - 21	307H	25		415K	20
	203E	14		307H	20		415K	14
18 - 25	115D	25		307H	14	22 - 27	407S	25
	115D	20	22 - 37	215G	25		407S	20
	115D	14		215G	20		407S	14
26 - 100	107C	25		215G	14	28 - 45	315J	25
	107C	20	38 - 61	207F	25		315J	20
	107C	14		207F	20	46 - 77	315J	14
101 - 400	107C	5		207F	14		307H	25
1 1/2 HP (1.1 kW) Motor			62 - 100	203E	25		307H	20
10 - 11	215G	25		203E	20		307H	14
	215G	20		203E	14	78 - 85	215G	25
	215G	14	101 - 109	203E	5		215G	20
12 - 15	207F	25	110 - 239	115D	5		215G	14
	207F	20	240 - 400	107C	5	86 - 100	215G	14
	207F	14	7 1/2 HP (5.5 kW) Motor			101 - 179	215G	5
16 - 25	203E	25	10 - 11	415K	25	180 - 309	207F	5
	203E	20		415K	20	310 - 400	203E	5
	203E	14		415K	14	20 HP (15 kW) Motor		
26 - 39	115D	25	12 - 15	407S	25	10 - 11	608M	25
	115D	20		407S	20		608M	20
	115D	14		407S	14		608M	14
40 - 100	107C	25	16 - 21	315J	25	12 - 21	507L	25
	107C	20		315J	20		507L	20
	107C	14		315J	14		507L	14
101 - 400	107C	5	22 - 31	307H	25	22 - 27	507L	14
2 HP (1.5 kW) Motor				307H	20		415K	25
10 - 15	215G	25		307H	14		415K	20
	215G	20	32 - 61	215G	25	28 - 39	407S	25
	215G	14		215G	20		407S	20
16 - 21	207F	25		215G	14		407S	14
	207F	20	62 - 94	215G	25	40 - 69	315J	25
	207F	14		207F	20		315J	20
	207F	14		207F	14		315J	14

Note: [†]Consult factory for delivery on units with 20:1 ratio.

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20 HP (15 kW) Motor (cont.)			30 HP (22 kW) Motor (cont.)			60 HP (45 kW) Motor (cont.)		
70 - 80	307H	25	120 - 219	307H	5	78 - 100	415K	14
	307H	20	220 - 400	215G	5	101 - 109	415K	5
	307H	14	40 HP (30 kW) Motor			110 - 189	407S	5
81 - 100	307H	14	14 - 23	608M	25	190 - 390	315J	5
101 - 109	307H	5		608M	20	391 - 400	315J	5*
110 - 269	215G	5		608M	14	75 HP (55 kW) Motor		
270 - 400	207F	5	24 - 44	507L	25	26 - 49	608M	25
25 HP (18.5 kW) Motor				507L	20		608M	20
10 - 15	608M	25		507L	14		608M	14
	608M	20	45 - 65	415K	25	50 - 58	507L	25
	608M	14		415K	20		507L	20
16 - 25	507L	25		415K	14		507L	14
	507L	20	66 - 78	407S	25	59 - 94	507L	14
	507L	14		407S	20	95	415K	14
26 - 33	415K	25		407S	14	96 - 100	415K	14*
	415K	20	79 - 89	407S	14	101 - 169	415K	5
	415K	14	90 - 100	315J	14	170 - 269	407S	5
34 - 51	407S	25	101 - 199	315J	5	270 - 290	315J	5
	407S	20	200 - 329	307H	5	291 - 400	315J	5*
	407S	14	330 - 400	215G	5	100 HP (75 kW) Motor		
52 - 77	315J	25	50 HP (37 kW) Motor			38 - 54	608M	25
	315J	20	18 - 31	608M	25		608M	20
	315J	14		608M	20		608M	14
78 - 84	315J	14		608M	14	55 - 69	608M	14
85 - 100	307H	14	32 - 59	507L	25	70 - 80	507L	14
101 - 169	307H	5		507L	20	81 - 100	507L	14*
170 - 369	215G	5		507L	14	170 - 259	415K	5
370 - 400	207F	5	60 - 74	415K	25	260 - 320	407S	5
30 HP (22 kW) Motor				415K	20	321 - 400	407S	5*
10 - 17	608M	25		415K	14	125 HP (90 kW) Motor		
	608M	20	75 - 84	415K	14	50 - 54	608M	25
	608M	14	85 - 100	407S	14		608M	20
18 - 31	507L	25	101 - 149	407S	5		608M	14
	507L	20	140 - 279	315J	5	55 - 95	608M	14
	507L	14	280 - 400	307H	5	96 - 100	608M	14*
32 - 45	415K	25	60 HP (45 kW) Motor			240 - 250	415K	5
	415K	20	22 - 37	608M	25	251 - 400	415K	5*
	415K	14		608M	20	150 HP (110 kW) Motor		
46 - 69	407S	25		608M	14	58 - 80	608M	14
	407S	20	38 - 77	507L	25	81 - 100	608M	14*
	407S	14		507L	20			
70 - 74	315J	25		507L	14			
	315J	20						
	315J	14						
75 - 100	315J	14						
101 - 119	315J	5						

Notes: †Consult factory for delivery on units with 20:1 ratio.

*Indicates that power is constrained by thermal limitations. Please consult factory for ratings with cooling fans.