

# PM Gearless Machine Selection Chart



Ropping : 2:1

Sr. No.	Model	Type	Load [In Kg]	Car Speed [In m/sec]	Shave [In mm]	Rope [In mm] [Pitch 12mm]	Max. Static Load [kg]	Volts	Power [kw]	Rated Current [A]	Rated Torque [Nm.]	Frequency [Hz]	Speed [RPM]	POLE	Travel Height [Mtr]
1	HGL-400H	HGL-400H-4P-050	272	0.5	200	4 x 8Ø	2050	220	0.7	5.5	70	15.92	95.0	20	12
2	HGL-400H	HGL-400H-4P-050	272	0.5	200	4 x 8Ø	2050	380	0.7	3.5	70	15.92	95.0	20	12
3	HGL-400	HGL-400-4P-050	272	0.5	320	4 x 8Ø	2050	220	1.5	8	240	10.0	60	20	12
4	HGL-400	HGL-400-6P-050	408	0.5	200	4 x 8Ø	2050	220	1.5	7.5	150	15.92	95	20	12
5	HGL-400	HGL-400-6P-050	408	0.5	200	4 x 8Ø	2050	380	1.1	3.5	110	15.92	95	20	30
6	HGL-400	HGL-400-6P-065	408	0.65	320	4 x 8Ø	2050	380	1.75	5.0	214	12.9	78	20	30
7	HGL-400	HGL-400-6P-100	408	1.00	320	4 x 8Ø	2050	380	2.7	8.0	214	20.0	119	20	30
8	HGL-400	HGL-400-6P-125	408	1.25	320	4 x 8Ø	2050	380	3.0	8.5	200	24.8	149	20	30
9	HGL-500	HGL-500-6P-150	408	1.5	320	4 x 8Ø	2300	380	3.5	9.0	190	29.8	180	20	60
10	HGL-500	HGL-500-6P-175	408	1.75	320	4 x 8Ø	2300	380	4.7	12.5	215	34.8	209	20	60
11	HGL-500	HGL-500-6P-200	408	2.00	320	4 x 8Ø	2300	380	5.4	14.5	215	39.8	239	20	60
12	HGL-1-408	HGL-1-408-065	408	0.65	330	4 x 8mm	2000	380	1.7	6	215	12.7	76	20	45
13	HGL-1-408	HGL-1-408-100	408	1.00	330	4 x 8mm	2000	380	2.8	8	233	19.3	116	20	45
14	HGL-1-408	HGL-1-408-150	408	1.50	330	4 x 8mm	2000	380	4.2	12.8	233	28.9	174	20	45
15	HGL-500	HGL-500-8P-065	544	0.65	320	4 x 8Ø	2300	380	2.1	7.0	257	12.9	78	20	30
16	HGL-500	HGL-500-8P-100	544	1.00	320	4 x 8Ø	2300	380	3.2	9.7	257	20.0	119	20	30
17	HGL-500	HGL-500-8P-125	544	1.25	320	4 x 8Ø	2300	380	4.0	13.0	257	24.8	149	20	30
18	HGL-600	HGL-600-8P-150	544	1.50	320	5 x 8 Ø	2500	380	4.8	13.0	257	29.8	180	20	60
19	HGL-600	HGL-600-8P-175	544	1.75	320	5 x 8 Ø	2500	380	5.5	14.5	257	34.8	209	20	60
20	HGL-600	HGL-600-8P-200	544	2.00	320	5 x 8 Ø	2500	380	6.5	20.0	257	39.8	239	20	60
21	HGL-1-544	HGL-1-544-065	544	0.65	330	4 x 8mm	2300	380	2.8	8	356	12.7	76	20	45
22	HGL-1-544	HGL-1-544-100	544	1.00	330	4 x 8mm	2300	380	3.8	9	312	19.3	116	20	45
23	HGL-1-544	HGL-1-544-150	544	1.50	330	4 x 8mm	2300	380	5.6	14.5	307	28.9	174	20	45
24	HGL-600	HGL-600-10P-065	680	0.65	320	5 x 8 Ø	2500	380	2.7	8.0	320	12.9	78	20	60
25	HGL-600	HGL-600-10P-100	680	1.00	320	5 x 8 Ø	2500	380	4.0	11.0	320	20.0	119	20	60
26	HGL-600	HGL-600-10P-125	680	1.25	320	5 x 8 Ø	2500	380	5.0	15.0	320	24.8	149	20	60
27	HGL-700	HGL-700-10P-150	680	1.50	320	6 x 8 Ø	3000	380	6.0	17.0	320	29.8	180	20	80
28	HGL-700	HGL-700-10P-175	680	1.75	320	6 x 8 Ø	3000	380	7.0	18.0	320	34.8	209	20	80
29	HGL-700	HGL-700-10P-200	680	2.00	320	6 x 8 Ø	3000	380	8.0	24.0	320	39.8	239	20	80
30	HGL-1-680	HGL-1-680-065	680	0.65	400	4 x 10mm [Pitch 15mm]	3000	380	3.6	9	554	12.4	62	24	80
31	HGL-1-680	HGL-1-680-100	680	1.00	400	4 x 10mm [Pitch 15mm]	3000	380	4.6	12	462	19	95	24	80
32	HGL-1-680	HGL-1-680-150	680	1.50	400	4 x 10mm [Pitch 15mm]	3000	380	7	18	462	28.62	143	24	80
33	HGL-1-680	HGL-1-680-175	680	1.75	400	4 x 10mm [Pitch 15mm]	3000	380	8.2	18	462	33.39	167	24	80
34	HGL-700	HGL-700-13P-065	884	0.65	320	6 x 8 Ø	3000	380	3.5	10.0	425	12.9	78	20	60
35	HGL-700	HGL-700-13P-100	884	1.00	320	6 x 8 Ø	3000	380	5.1	13.5	410	20.0	119	20	60
36	HGL-700	HGL-700-13P-100	884	1.00	400	4 x 10 Ø [Pitch 15mm]	3000	380	5.1	13.5	512	15.9	95	20	60
37	HGL-700	HGL-700-13P-125	884	1.25	320	6 x 8 Ø	3000	380	6.5	20.0	415	24.8	149	20	60
38	HGL-800	HGL-800-13P-150	884	1.50	320	8 x 8 Ø	3500	380	7.6	20.0	415	29.8	180	20	80
39	HGL-800	HGL-800-13P-175	884	1.75	320	8 x 8 Ø	3500	380	9.0	22.0	415	34.8	209	20	80
40	HGL-800	HGL-800-13P-200	884	2.00	320	8 x 8 Ø	3500	380	10.2	27.0	415	39.8	239	20	80

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Sr. No.	Model	Type	Load [In Kg]	Car Speed [In m/sec]	Shave [In mm]	Rope [In mm] [Pitch 12mm]	Max. Static Load [kg]	Volts	Power [kw]	Rated Current [A]	Rated Torque [Nm.]	Frequency [Hz]	Speed [RPM]	POLE	Travel Height [Mtr]
41	HGL-700	HGL-700-16P-065	1088	0.65	320	8 x 8 Ø	3000	380	4.3	13.0	525	12.9	78	20	30
42	HGL-700	HGL-700-16P-100	1088	1.00	320	8 x 8 Ø	3000	380	6.5	17.0	520	20.0	119	20	30
43	HGL-800	HGL-800-16P-100	1088	1.00	320	8 x 8 Ø	3500	380	6.5	17.0	520	20.0	119	20	60
44	HGL-800	HGL-800-16P-100	1088	1.00	400	5 x 10 Ø [Pitch 15mm]	3500	380	6.5	17.0	650	15.9	95	20	60
45	HGL-800	HGL-800-16P-125	1088	1.25	320	8 x 8 Ø	3500	380	8.0	24.0	510	24.8	149	20	60
46	HGL-800	HGL-800-16P-150	1088	1.50	320	8 x 8 Ø	3500	380	9.5	25.0	510	29.8	180	20	60
47	HGL-900	HGL-900-16P-175	1088	1.75	320	8 x 8 Ø	4500	380	11.0	28.0	510	34.8	209	20	80
48	HGL-900	HGL-900-16P-200	1088	2.00	320	8 x 8 Ø	4500	380	13.0	35.0	510	39.8	239	20	80
49	HGL-800	HGL-800-20P-065	1360	0.65	320	8 x 8 Ø	3500	380	5.2	15.0	640	12.9	78	20	60
50	HGL-800	HGL-800-20P-100	1360	1.00	320	8 x 8 Ø	3500	380	8.0	24.0	640	20.0	119	20	60
51	HGL-900	HGL-900-20P-125	1360	1.25	320	8 x 8 Ø	4500	380	10.0	27.0	640	24.8	149	20	80
52	HGL-900	HGL-900-20P-150	1360	1.50	320	8 x 8 Ø	4500	380	12.0	32.0	640	29.8	180	20	80
53	HGL-900	HGL-900-20P-175	1360	1.75	320	8 x 8 Ø	4500	380	14.0	37.0	640	34.8	209	20	80
54	HGL-900	HGL-900-20P-200	1360	2.00	320	8 x 8 Ø	4500	380	16.0	42.0	640	39.8	239	20	80
55	HGL-900	HGL-900-22P-065	1500	0.65	320	8 x 8 Ø	4500	380	6.0	17.0	720	12.9	78	20	80
56	HGL-900	HGL-900-22P-100	1500	1.00	320	8 x 8 Ø	4500	380	9.0	24.0	720	20.0	119	20	80
57	HGL-900	HGL-900-22P-125	1500	1.25	320	8 x 8 Ø	4500	380	11.0	28.0	720	24.8	149	20	80
58	HGL-900	HGL-900-22P-150	1500	1.50	320	8 x 8 Ø	4500	380	13.5	36.0	720	29.8	180	20	80
59	HGL-900	HGL-900-22P-175	1500	1.75	320	8 x 8 Ø	4500	380	15.5	40.0	720	34.8	209	20	80
60	HGL-900	HGL-900-22P-200	1500	2.00	320	8 x 8 Ø	4500	380	18.0	48.0	720	39.8	239	20	80
61	HGL-1000	HGL-1000-26P-065	1768	0.65	320	10 x 8 Ø	5000	380	7.0	20.0	840	12.9	78	20	80
62	HGL-1000	HGL-1000-26P-100	1768	1.00	320	10 x 8 Ø	5000	380	10.5	28.0	840	20.0	119	20	80
62	HGL-1000	HGL-1000-26P-125	1768	1.25	320	10 x 8 Ø	5000	380	13.25	35.0	840	24.0	149	20	80
64	HGL-1000	HGL-1000-26P-150	1768	1.50	320	10 x 8 Ø	5000	380	16.0	42.0	840	29.8	180	20	80
65	HGL-1000	HGL-1000-26P-175	1768	1.75	320	10 x 8 Ø	5000	380	18.5	50.0	840	34.8	209	20	80
66	HGL-1000	HGL-1000-26P-200	1768	2.00	320	10 x 8 Ø	5000	380	21.0	55.0	840	39.8	239	20	80
67	HGL-1000	HGL-1000-30P-065	2040	0.65	320	10 x 8 Ø	5000	380	8.0	22.0	960	12.9	78	20	80
68	HGL-1000	HGL-1000-30P-100	2040	1.00	320	10 x 8 Ø	5000	380	12.0	32.0	960	20.0	119	20	80
69	HGL-1000	HGL-1000-30P-125	2040	1.25	320	10 x 8 Ø	5000	380	15.0	39.0	960	24.0	149	20	80
70	HGL-1000	HGL-1000-30P-150	2040	1.50	320	10 x 8 Ø	5000	380	18.0	48.0	960	29.8	180	20	80
71	HGL-1000	HGL-1000-30P-175	2040	1.75	320	10 x 8 Ø	5000	380	21.0	55.0	960	34.8	209	20	80
72	HGL-1000	HGL-1000-30P-200	2040	2.00	320	10 x 8 Ø	5000	380	24.0	63.0	960	39.8	239	20	80
73	HGL-1100	HGL-1100-37P-065	2500	0.65	320	12 x 8 Ø	5600	380	10.0	27.0	1190	12.9	78	20	80
74	HGL-1100	HGL-1100-37P-100	2500	1.00	320	12 x 8 Ø	5600	380	15.0	39.0	1190	20.0	119	20	80
75	HGL-1100	HGL-1100-37P-125	2500	1.25	320	12 x 8 Ø	5600	380	18.8	50.0	1190	24.8	149	20	80
76	HGL-1100	HGL-1100-37P-150	2500	1.50	320	12 x 8 Ø	5600	380	22.5	58.0	1190	29.8	180	20	80
77	HGL-1100	HGL-1100-37P-200	2500	2.00	320	12 x 8 Ø	5600	380	30.0	65.0	1190	39.8	239	20	80
78	HGL-1100	HGL-1100-44P-065	3000	0.65	320	12 x 8 Ø	5600	380	12.0	32.0	1440	12.9	78	20	80
79	HGL-1100	HGL-1100-44P-100	3000	1.00	320	12 x 8 Ø	5600	380	18.0	48.0	1440	20.0	119	20	80
80	HGL-1100	HGL-1100-44P-125	3000	1.25	320	12 x 8 Ø	5600	380	22.5	58.0	1440	24.8	149	20	80
81	HGL-1100	HGL-1100-44P-150	3000	1.50	320	12 x 8 Ø	5600	380	27.0	60.0	1440	29.8	180	20	80