

Stainless Steel Maximum Rating Tables

Size 818

818 Series

Style SBMQ

Style SHMQ

Style SHMQ



Ratio	Input RPM	Output RPM	Input HP	Output HP	Output Torque (lb-in)	NEMA C Input Frame	L Assembly Catalog No.	R Assembly Catalog No.	D Assembly Catalog No.	H1 Assembly Catalog No.*	H2 Assembly Catalog No.*
5	2500	500.0	3.095	2.900	366	56C	S183003700	S183004900	S183006100	S1830457XX	S1830469XX
	1750	350.0	2.600	2.422	436						
	1170	234.0	2.066	1.906	513						
7.5	100	20.0	0.312	0.228	717	143-5TC	S183007300	S183008500	S183009700	S1830481XX	S1830493XX
	2500	333.3	2.307	2.127	402						
	1750	233.3	1.909	1.745	471						
10	1170	156.0	1.473	1.328	537	56C	S183003800	S183005000	S183006200	S1830458XX	S1830470XX
	100	13.3	0.227	0.147	697						
	2500	250.0	1.996	1.820	459						
15	1750	175.0	1.625	1.466	528	143-5TC	S183003900	S183005100	S183006300	S1830459XX	S1830471XX
	1170	117.0	1.239	1.099	592						
	100	10.0	0.196	0.118	744						
20	2500	166.7	1.485	1.301	492	56C	S183007500	S183008700	S183009900	S1830483XX	S1830495XX
	1750	116.7	1.224	1.058	571						
	1170	78.0	0.945	0.799	645						
25	100	6.7	0.165	0.087	823	143-5TC	S183007600	S183008800	S183010000	S1830484XX	S1830496XX
	2500	125.0	1.283	1.093	551						
	1750	87.5	1.046	0.875	630						
30	1170	58.5	0.803	0.652	702	56C	S183007700	S183008900	S183010100	S1830485XX	S1830497XX
	100	5.0	0.150	0.069	872						
	2500	100.0	1.088	0.900	567						
40	1750	70.0	0.884	0.715	644	143-5TC	S183004200	S183005400	S183006600	S1830462XX	S1830474XX
	1170	46.8	0.678	0.530	713						
	100	4.0	0.135	0.055	874						
50	2500	83.3	0.892	0.702	531	56C	S183007800	S183009000	S183010200	S1830463XX	S1830475XX
	1750	58.3	0.741	0.569	614						
	1170	39.0	0.580	0.428	692						
60	100	3.3	0.126	0.047	880	143-5TC	S183004300	S183005500	S183006700	S1830487XX	S1830499XX
	2500	62.5	0.739	0.551	556						
	1750	43.8	0.609	0.440	634						
80	1170	29.3	0.476	0.328	706	56C	S183008000	S183009200	S183010400	S1830464XX	S1830476XX
	100	2.5	0.113	0.035	874						
	2500	50.0	0.625	0.444	559						
100	1750	35.0	0.515	0.352	634	143-5TC	S183004500	S183005700	S183006900	S1830465XX	S1830477XX
	1170	23.4	0.404	0.260	701						
	100	2.0	0.103	0.027	857						
120	2500	41.7	0.542	0.363	550	56C	S183008100	S183009300	S183010500	S1830466XX	S1830478XX
	1750	29.2	0.449	0.288	623						
	1170	19.5	0.354	0.213	689						
160	100	1.7	0.097	0.022	842	143-5TC	S183008200	S183009400	S183010600	S1830467XX	S1830479XX
	2500	31.3	0.247	0.156	314						
	1750	21.9	0.208	0.124	356						
200	1170	14.6	0.164	0.091	392	56C	S183008300	S183009500	S183010700	S1830468XX	S1830480XX
	100	1.3	0.023	0.009	470						
	2500	25.0	0.167	0.097	245						
250	1750	17.5	0.141	0.077	277	143-5TC	S183004800	S183006000	S183007200	S1830468XX	S1830480XX
	1170	11.7	0.111	0.057	304						
	100	1.0	0.016	0.006	362						

Consult Factory for other available styles and motor flanges.

* Catalog numbers are for hollow output shaft reducers.

When ordering, substitute the XX suffix with the required output bore code.

Available bore codes

Fraction Size	5/8"	11/16"	3/4"	7/8"	1"
Decimal Size	0.625	0.688	0.750	0.875	1.000
Output Bore Code	10	11	12	14	16

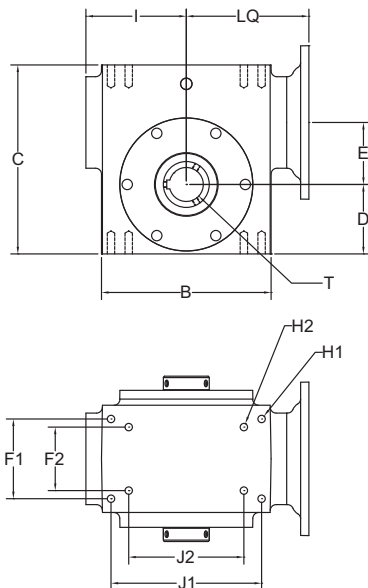
HMQ Style

	A	AD	B	C	D	E	F1	F2	H1	H2	I	J1	J2	LQ (56C)	LQ (180TC)	T MAX	T KWY	V	AG
813	2.82	3.69	3.80	4.66	1.72	1.333	2.00	N/A	5/16-18	N/A	2.38	3.25	N/A	3.48	N/A	0.625	3/16 x 3/32	1.00	4.75
815	3.44	4.40	4.88	5.38	1.91	1.540	2.75	N/A	5/16-18	N/A	2.91	4.19	N/A	4.01	N/A	0.625	3/16 x 3/32	1.00	5.42
818	3.32	4.40	5.06	5.75	2.06	1.750	2.75	1.63	5/16-18	1/4-20	3.01	4.19	3.13	4.11	N/A	1.000	1/4 x 1/8	1.44	5.50
821	3.60	4.78	5.80	6.38	2.28	2.063	3.00	2.00	5/16-18	5/16-18	3.38	4.75	4.00	4.48	N/A	1.500	3/8 x 3/16	1.94	6.00
824	4.06	4.97	6.12	6.94	2.50	2.375	2.88	N/A	3/8-16	N/A	3.69	5.00	N/A	4.63	5.24	1.500	3/8 x 3/16	1.94	6.00
826	4.54	5.80	7.25	8.00	2.94	2.625	3.38	2.69	3/8-16	3/8-16	4.25	6.38	4.88	5.19	5.80	1.500	3/8 x 3/16	1.94	7.00
832	5.45	6.80	8.50	9.38	3.50	3.250	4.00	2.75	7/16-14	1/2-13	4.94	7.50	6.25	5.88	6.49	2.188	1/2 x 1/4	2.75	7.88

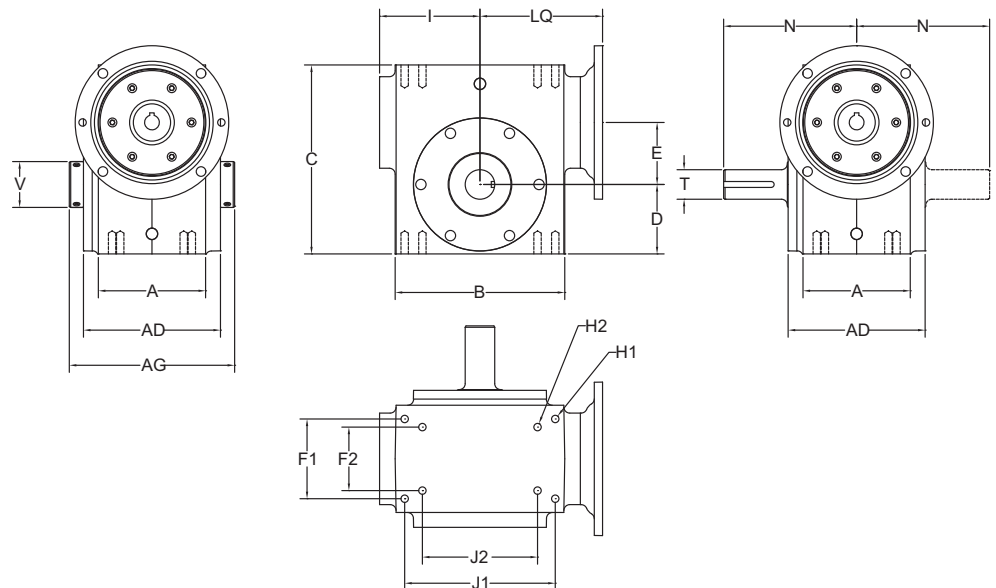
BMQ Style

	A	AD	B	C	D	E	F1	F2	H1	H2	I	J1	J2	LQ (56C)	LQ (180TC)	N	O/P Key	T
813	2.82	3.69	3.80	4.66	1.72	1.333	2.00	N/A	5/16-18	N/A	2.38	3.25	N/A	3.48	N/A	4.00	3/16 x 1.75	0.625
815	3.44	4.40	4.88	5.38	1.91	1.540	2.75	N/A	5/16-18	N/A	2.91	4.19	N/A	4.01	N/A	4.31	3/16 x 1.75	0.750
818	3.32	4.40	5.06	5.75	2.06	1.750	2.75	1.63	5/16-18	1/4-20	3.01	4.19	3.13	4.11	N/A	4.31	3/16 x 1.38	0.875
821	3.60	4.78	5.80	6.38	2.28	2.063	3.00	2.00	5/16-18	5/16-8	3.38	4.75	4.00	4.48	N/A	4.68	1/4 x 1.45	1.000
824	4.06	4.97	6.12	6.94	2.50	2.375	2.88	N/A	3/8-16	N/A	3.69	5.00	N/A	4.63	5.24	5.14	1/4 x 1.75	1.125
826	4.54	5.80	7.25	8.00	2.94	2.625	3.38	2.69	3/8-16	3/8-16	4.25	6.38	4.88	5.19	5.80	5.63	1/4 x 2.00	1.250
832	5.45	6.80	8.50	9.38	3.50	3.250	4.00	2.75	7/16-14	1/2-13	4.94	7.50	6.25	5.88	6.49	7.06	3/8 x 2.63	1.500

HMQ Style



BMQ Style



Single Reduction
Worm Gear Reducers

Double Reduction
Worm - Worm Gear Reducers

Double Reduction
Helical - Worm Gear Reducers

WASHGUARD® Reducers
and GEAR-H-MOTOR™

Ratio Multipliers

Accessories and
Additional Capabilities