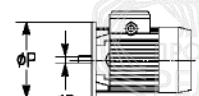
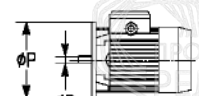
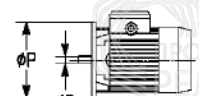
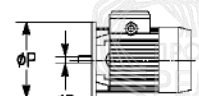
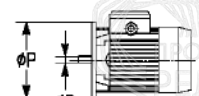
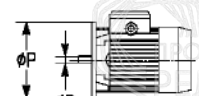
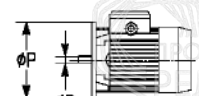
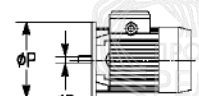
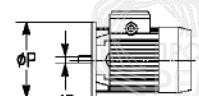
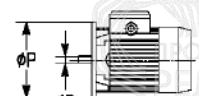
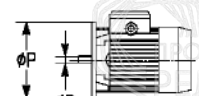
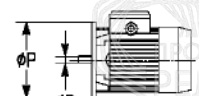
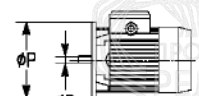
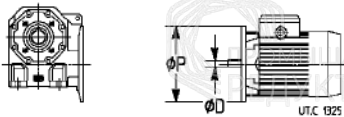


9 - Selection tables

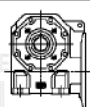
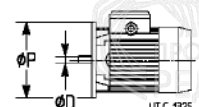
Motor power P_1 hp	Output speed n_2 rpm	Output power P_2 hp	Output torque T_2 lbf in	Max output torque T_{2max} lbf in	OHL F_{12} lbf	Ratio i	Service factor f_s			Weight $\approx$			
									$\varnothing D$ mm	$\varnothing P$ mm	HF lb	F0 lb	
0.12	18.8	0.08	259	618	600	58	1.5			11 x 90	18	22	
	23.2	0.08	221	773	530	47	2.12						
	28.7	0.09	187	866	530	38	2.8						
	24.8	0.08	196	424	450	44	1.18			11 x 90	16	20	
	31.1	0.08	165	454	425	35	1.7						
	38.9	0.09	138	497	375	28	2.24						
	49.5	0.09	113	528	375	22	3						
	64.1	0.09	90	477	355	17	3.35						
	77.9	0.1	79	466	335	14	3.75						
	99.1	0.1	63	485	300	11	4.5						
	128	0.1	49.8	416	250	8.5	5						
	182	0.1	36.4	388	224	6	6.3						
0.16	18.6	0.1	348	618	600	58	1.12			11 x 90	18	22	
	23	0.11	298	773	600	47	1.6						
	28.4	0.11	252	866	530	38	2.12						
	29	0.11	238	606	560	58	1.6			11 x 90	17	21	
	35.7	0.11	202	685	475	47	2.12						
	44.2	0.12	170	763	475	38	2.8						
		24.5	0.1	264	424	450	44	0.9			11 x 90	16	20
		30.9	0.11	222	454	450	35	1.25					
		38.6	0.11	185	497	400	28	1.7					
		49.1	0.12	152	528	375	22	2.12			11 x 90	15	19
		38.2	0.11	181	371	450	44	1.18					
		48	0.11	151	400	375	35	1.7					
60		0.12	125	434	335	28	2.12						
76.4		0.12	102	464	335	22	2.8						
98.8		0.13	81	421	315	17	3.15						
120		0.13	70	403	280	14	3.55						
153		0.14	56	422	250	11	4.25						
198		0.14	44	371	212	8.5	4.75						
280	0.14	32	334	190	6	6							
0.25	15.2	0.16	645	865	900	73	1			14 x 105	27	34	
	19.1	0.17	546	1 199	900	58	1.5						
	23.6	0.17	463	1 470	800	47	2						
	29.2	0.18	391	1 669	710	38	2.65						
	37	0.19	321	1 735	670	30	3.35						
	46.3	0.19	264	1 618	630	24	3.75						
	23.6	0.17	453	773	600	47	1			11 x 90	22	29	
	29.2	0.18	383	866	600	38	1.4						
	37	0.18	314	944	530	30	1.8						
	29	0.17	372	606	560	58	1.06			11 x 90	17	21	
	35.7	0.18	316	685	530	47	1.4						
	44.2	0.19	265	763	475	38	1.8						
	56	0.19	217	821	425	30	2.36						
	70	0.2	178	762	400	24	2.65						
	88.4	0.21	149	714	375	19	3						
	31.7	0.17	337	454	450	35	0.85			11 x 90	20	27	
	39.6	0.18	282	497	450	28	1.12						
	50.5	0.18	230	528	400	22	1.4						
	65.3	0.19	184	477	375	17	1.6			11 x 90	16	20	
	38.2	0.17	282	371	400	44	0.8						
	48	0.18	235	400	425	35	1.06						
	60	0.19	195	434	375	28	1.4						
	76.4	0.19	159	464	335	22	1.8						
	98.8	0.2	126	421	315	17	2						
	120	0.21	110	403	265	14	2.36						
	153	0.21	88	422	236	11	2.8						
	198	0.22	69	371	212	8.5	3.15						
	280	0.22	49.9	334	180	6	3.75						
0.33	18.8	0.22	733	1 199	900	58	1.12			14 x 105	28	34	
	23.2	0.23	622	1 470	800	47	1.5						
	28.7	0.24	526	1 669	750	38	2						
	36.3	0.25	432	1 735	630	30	2.5						

9 - Selection tables

Motor power	Output speed	Output power	Output torque	Max output torque	OHL	Ratio	Service factor		Weight	
P_1 hp	n_2 rpm	P_2 hp	T_2 lbf in	T_{2max} lbf in	F_{12} lbf	i	f_s	$\varnothing D$ mm $\varnothing P$ mm	HF lb F0 lb	
0,33	23.4	0.22	587	851	850	73	1.06	MR V 325 - 71 A 4 B14 14 x 105	25	31
	29.5	0.23	493	1 176	800	58	1.6			
	36.4	0.24	416	1 314	670	47	2			
	45	0.25	350	1 490	600	38	2.65			
	57	0.26	286	1 564	560	30	3.35	MR V 225 - 71 B 6 B14R 11 x 90	23	29
	71.3	0.26	234	1 433	560	24	3.75			
	90	0.28	195	1 409	500	19	4.5			
	28.7	0.23	514	866	600	38	1.06			
	36.3	0.24	422	944	530	30	1.4	MR V 225 - 63 C 4 B14* 11 x 90	18	22
	45.4	0.25	349	855	530	24	1.6			
	35.5	0.24	419	685	560	47	1.06			
	43.9	0.25	352	763	500	38	1.4			
	55.7	0.25	288	821	450	30	1.7	MR V 225 - 71 A 4 B14R 11 x 90	20	26
	69.6	0.26	236	762	425	24	2			
	87.9	0.28	198	714	355	19	2.24			
	36.4	0.24	410	685	530	47	1.06			
	45	0.25	344	763	500	38	1.4	MR V 118 - 71 B 6 B14R 11 x 90	21	27
	57	0.25	281	821	450	30	1.8			
	71.3	0.26	231	762	425	24	2			
	90	0.28	193	714	355	19	2.36			
	110	0.28	160	756	335	15.5	2.8	MR V 118 - 63 C 4 B14* 11 x 90	16	20
	143	0.28	126	666	300	12	3.15			
	38.9	0.23	379	497	425	28	0.8			
	49.5	0.24	310	528	425	22	1.06			
	64.1	0.25	247	477	400	17	1.18	MR V 118 - 71 A 4 B14R 11 x 90	18	24
	77.9	0.27	217	466	335	14	1.4			
	47.7	0.24	312	400	375	35	0.8			
	59.6	0.25	259	434	375	28	1.06			
	75.9	0.25	211	464	375	22	1.32	MR V 535 - 80 A 6 B5 19 x 200	63	71
	98.2	0.26	167	421	335	17	1.5			
	119	0.28	146	403	280	14	1.7			
	152	0.28	116	422	224	11	2.12			
	48.9	0.24	305	400	375	35	0.8	MR V 430 - 80 A 6 B5 19 x 200	42	51
	61.1	0.25	253	434	375	28	1.06			
	77.7	0.25	206	464	355	22	1.4			
	101	0.26	163	421	335	17	1.6			
	122	0.28	142	403	280	14	1.8	MR V 325 - 71 C 6 B14* 14 x 105	29	35
	155	0.28	114	422	224	11	2.12			
	201	0.28	89	371	200	8.5	2.36			
	285	0.29	65	334	180	6	3			
0.5	15.5	0.34	1 388	3 443	1 450	73	1.7	MR V 535 - 80 A 6 B5 19 x 200	63	71
	19.5	0.36	1 159	4 817	1 450	58	2.5			
	24	0.37	978	5 166	1 450	47	3.15			
	15.5	0.32	1 309	1 698	1 250	73	0.95			
	19.5	0.34	1 102	2 343	1 250	58	1.32			
	24	0.36	935	2 656	1 060	47	1.8			
	30.5	0.37	765	3 018	950	37	2.5			
	37.7	0.38	642	3 171	900	30	3.15	MR V 325 - 71 C 6 B14* 14 x 105	29	35
	47.1	0.39	527	3 058	850	24	3.55			
	23	0.35	951	1 470	800	47	0.95			
	28.4	0.36	804	1 669	800	38	1.32			
	36	0.38	661	1 735	630	30	1.7	MR V 325 - 71 B 4 B14 14 x 105	27	33
	45	0.39	543	1 618	630	24	1.9			
	29.4	0.35	750	1 176	800	58	1.06			
	36.3	0.36	632	1 314	750	47	1.32			
	44.9	0.38	531	1 490	630	38	1.7	MR V 225 - 71 C 6 B14R 11 x 90	23	29
	56.8	0.39	434	1 564	530	30	2.24			
	71	0.4	355	1 433	500	24	2.5			
	89.7	0.42	296	1 409	475	19	3			
	110	0.43	245	1 398	450	15.5	3.35	MR V 535 - 80 A 6 B5 19 x 200	63	71
	142	0.43	193	1 277	400	12	4			
	36	0.37	646	944	530	30	0.9	MR V 225 - 71 C 6 B14R 11 x 90	23	29
	45	0.38	534	855	530	24	1			

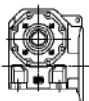
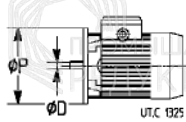
* Power or motor power-to-size correspondence not according to standard.

9 - Selection tables

Motor power P_1 hp	Output speed n_2 rpm	Output power P_2 hp	Output torque T_2 lbf in	Max output torque T_{2max} lbf in	OHL F_{12} lbf	Ratio i	Service factor f_s			Weight $\approx$								
									$\varnothing D$ mm	$\varnothing P$ mm	HF lb	F0 lb						
0.5	44.9	0.37	523	763	500	38	0.9	MR V 225	- 71 B 4 B14R	11 x 90	22	28						
	56.8	0.39	427	821	500	30	1.18											
	71	0.4	350	762	475	24	1.32											
	89.7	0.42	293	714	400	19	1.5											
	110	0.42	243	756	355	15.5	1.8											
	142	0.43	191	666	315	12	2											
	205	0.44	137	624	250	8.33	2.5											
	63.5	0.38	378	477	355	17	0.8											
	77.5	0.39	313	464	355	22	0.9											
	100	0.4	248	421	335	17	1.06											
	122	0.42	216	403	300	14	1.18											
	155	0.42	173	422	250	11	1.4											
	201	0.43	135	371	212	8.5	1.6											
	284	0.44	98	334	180	6	1.9											
	0.75	15.5	0.51	2 082	3 443	1 450	73						1.12	MR V 535	- 80 B 6 B5	19 x 200	65	73
		19.5	0.54	1 739	4 817	1 450	58						1.7					
		24	0.56	1 466	5 166	1 320	47						2.12					
		23.5	0.54	1 444	3 386	1 320	73						1.5					
		29.6	0.56	1 197	4 164	1 250	58						2.24					
		36.5	0.58	1 003	4 476	1 250	47						2.8					
		46.4	0.59	808	5 133	1 180	37						3.55					
19.5		0.51	1 653	2 343	1 250	58	0.9											
24		0.54	1 403	2 656	1 180	47	1.18											
30.5		0.56	1 148	3 018	1 060	37	1.6											
37.7		0.58	963	3 171	850	30	2.12											
47.1		0.59	790	3 058	800	24	2.36											
23.5		0.51	1 371	1 670	1 180	73	0.9											
29.6		0.54	1 146	2 250	1 180	58	1.25											
36.5		0.56	967	2 395	1 000	47	1.5											
46.4		0.58	787	2 705	800	37	2.12											
57.2		0.6	659	2 778	750	30	2.65											
71.5		0.61	539	2 672	750	24	3											
90.3		0.64	447	2 540	670	19	3.55											
111		0.65	370	2 519	630	15.5	4											
29.7		0.54	1 153	1 669	710	38	0.9											
37.7		0.57	947	1 735	710	30	1.18											
47.1		0.58	778	1 618	670	24	1.32											
35.7		0.55	963	1 314	670	47	0.85											
44.2		0.57	809	1 490	670	38	1.12											
56		0.59	661	1 564	600	30	1.5											
70		0.6	541	1 433	560	24	1.6											
88.4		0.63	451	1 409	500	19	1.9											
108		0.64	374	1 398	400	15.5	2.12											
36.5		0.55	943	1 314	670	47	0.9											
45.1		0.57	793	1 490	670	38	1.18											
57.2		0.59	648	1 564	600	30	1.5											
71.5		0.6	530	1 433	560	24	1.6											
90.3		0.63	441	1 409	500	19	2											
111		0.64	366	1 398	400	15.5	2.24											
143		0.65	288	1 277	375	12	2.65											
206		0.67	205	1 169	335	8.33	3.15											
56		0.58	651	821	425	30	0.75											
70		0.59	533	762	425	24	0.9											
88.4		0.63	447	714	400	19	1											
108		0.64	371	756	375	15.5	1.18											
140		0.65	291	666	335	12	1.32											
202		0.67	208	624	250	8.33	1.7											
120		0.63	329	403	265	14	0.75											
153		0.64	263	422	236	11	0.95											
198		0.65	206	371	212	8.5	1											
280		0.67	150	334	190	6	1.25											
1	15.3	0.7	2 880	7 053	1 700	73	1.7	MR V 742	- 90 S 6 B5	24 x 200	91	99						
	19.3	0.73	2 398	9 269	1 700	58	2.36											
	23.8	0.76	2 013	9 390	1 700	47	2.8											
	30.3	0.78	1 627	11 028	1 700	37	4											

* Power or motor power-to-size correspondence not according to standard.

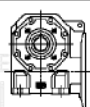
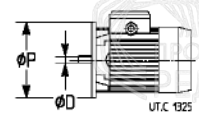
9 - Selection tables

Motor power	Output speed	Output power	Output torque	Max output torque	OHL	Ratio	Service factor			Weight		
P_1 hp	n_2 rpm	P_2 hp	T_2 lbf in	T_{2max} lbf in	F_{12} lbf	i	f_s		$\varnothing D$ mm	$\varnothing P$ mm	HF lb	F0 lb
1	15.3	0.68	2 801	3 443	1 450	73	0.85	MR V 535	- 80 C 6 B5*	19 × 200	70	78
	19.3	0.72	2 339	4 817	1 450	58	1.25					
	23.8	0.75	1 973	5 166	1 450	47	1.6					
	30.3	0.76	1 589	5 933	1 250	37	2.12					
	37.3	0.79	1 328	5 795	1 180	30	2.65					
	15.3	0.68	2 801	3 443	1 450	73	0.85	MR V 535	- 90 S 6 B5	24 × 200	70	78
	19.3	0.72	2 339	4 817	1 450	58	1.25					
	23.8	0.75	1 973	5 166	1 450	47	1.6					
	30.3	0.76	1 589	5 933	1 250	37	2.12					
	37.3	0.79	1 328	5 795	1 180	30	2.65					
	23.6	0.72	1 919	3 386	1 400	73	1.12	MR V 535	- 80 B 4 B5	19 × 200	65	73
	29.7	0.75	1 592	4 164	1 320	58	1.7					
	36.6	0.77	1 334	4 476	1 180	47	2.12					
	46.5	0.79	1 075	5 133	1 180	37	2.65					
	57.3	0.81	894	5 012	1 120	30	3.35					
	73.2	0.85	736	4 318	1 000	23.5	3.55					
	23.8	0.71	1 888	2 656	1 120	47	0.9	MR V 430	- 80 C 6 B5*	19 × 200	50	58
	30.3	0.74	1 544	3 018	1 060	37	1.25					
	37.3	0.77	1 296	3 171	950	30	1.5					
	46.7	0.79	1 063	3 058	850	24	1.8					
	29.7	0.72	1 524	2 250	1 120	58	0.95					
	36.6	0.75	1 285	2 395	1 000	47	1.12	MR V 430	- 80 B 4 B5	19 × 200	45	53
	46.5	0.77	1 046	2 705	900	37	1.6					
	57.3	0.8	877	2 778	800	30	1.9					
	71.7	0.81	716	2 672	710	24	2.24					
	90.5	0.85	594	2 540	670	19	2.65					
	111	0.87	492	2 519	600	15.5	3					
	143	0.88	385	2 339	530	12	3.35					
	37.3	0.75	1 274	1 735	630	30	0.85	MR V 325	- 80 C 6 B14R	14 × 105	39	47
	44.9	0.76	1 063	1 490	630	38	0.85					
	56.8	0.78	869	1 564	600	30	1.12					
	71	0.8	711	1 433	600	24	1.25					
	89.7	0.84	592	1 409	500	19	1.5					
	110	0.86	491	1 398	425	15.5	1.7	MR V 325	- 71 D 4 B14	14 × 105	30	-
	142	0.87	386	1 277	375	12	1.9					
	45.3	0.76	1 054	1 490	630	38	0.85					
	57.3	0.78	861	1 564	600	30	1.12					
	71.7	0.8	705	1 433	600	24	1.25					
	90.5	0.84	587	1 409	500	19	1.5	MR V 325	- 80 B 4 B14R	14 × 105	34	42
	111	0.86	487	1 398	425	15.5	1.7					
	143	0.87	382	1 277	375	12	2					
	206	0.89	273	1 169	315	8.33	2.36					
	110	0.85	487	756	335	15.5	0.9					
	142	0.86	382	666	315	12	1	MR V 225	- 71 D 4 B14R	11 × 90	24	-
	205	0.89	273	624	280	8.33	1.25					
	284	0.89	197	334	160	6	0.95					
110	0.85	487	756	335	15.5	0.9						
142	0.86	382	666	315	12	1						
205	0.89	273	624	280	8.33	1.25						
1.5	15.3	1.05	4 319	7 053	1 700	73	1.18	MR V 742	- 90 L 6 B5	24 × 200	101	114
19.3	1.1	3 598	9 269	1 700	58	1.6						
23.8	1.14	3 020	9 390	1 700	47	1.9						
30.3	1.17	2 441	11 028	1 700	37	2.65						
23.4	1.11	2 974	6 936	1 700	73	1.5						
29.5	1.15	2 460	7 792	1 600	58	2	MR V 742	- 90 S 4 B5	24 × 200	91	99	
36.4	1.19	2 056	8 139	1 500	47	2.5						
46.2	1.21	1 649	9 719	1 700	37	3.35						
19.3	1.08	3 509	4 817	1 450	58	0.85						
23.8	1.12	2 959	5 166	1 450	47	1.06						
30.3	1.14	2 384	5 933	1 400	37	1.4	MR V 535	- 90 L 6 B5	24 × 200	80	93	
37.3	1.18	1 992	5 795	1 250	30	1.7						
47.7	1.25	1 660	4 998	1 120	23.5	1.9						
29.5	1.12	2 402	4 164	1 400	58	1.12						
36.4	1.16	2 012	4 476	1 320	47	1.4						
46.2	1.19	1 622	5 133	1 180	37	1.8	MR V 535	- 80 C 4 B5*	19 × 200	70	78	

* On continuous duty, with an ambient temperature > 86 °F (30 °C) or with full load running, thermal power verification is necessary.

* Power or motor power-to-size correspondence not according to standard.

9 - Selection tables

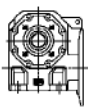
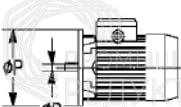
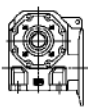
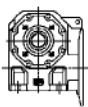
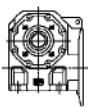
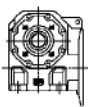
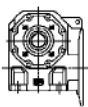
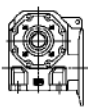
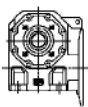
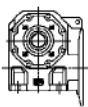
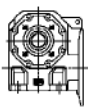
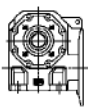
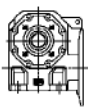
Motor power	Output speed	Output power	Output torque	Max output torque	OHL	Ratio	Service factor			Weight		
P_1 hp	n_2 rpm	P_2 hp	T_2 lbf in	T_{2max} lbf in	F_{12} lbf	i	f_s		$\varnothing D$ mm	$\varnothing P$ mm	HF lb	F0 lb
1.5	29.5	1.12	2 402	4 164	1 400	58	1.12	MR V 535	- 90 S 4 B5	24 x 200	70	78
	36.4	1.16	2 012	4 476	1 320	47	1.4					
	46.2	1.19	1 622	5 133	1 180	37	1.8					
	57	1.22	1 349	5 012	1 000	30	2.24					
	72.8	1.28	1 111	4 318	950	23.5	2.36					
	90	1.3	909	4 835	900	19	2.8					
	110	1.31	751	4 487	900	15.5	3.55					
	30.3	1.11	2 316	3 018	950	37	0.8	MR V 430	- 90 L 6 B5R	19 x 200	60	73
	37.3	1.15	1 944	3 171	900	30	1					
	46.7	1.18	1 595	3 058	900	24	1.18					
	58.9	1.25	1 337	2 871	750	19	1.4					
	36.4	1.12	1 939	2 395	900	47	0.75	MR V 430	- 80 C 4 B5*	19 x 200	50	58
	46.2	1.16	1 578	2 705	900	37	1.06					
	57	1.2	1 323	2 778	900	30	1.32					
	71.3	1.22	1 080	2 672	750	24	1.5					
	90	1.28	896	2 540	670	19	1.7					
	110	1.3	743	2 519	600	15.5	2					
	71.3	1.2	1 063	1 433	500	24	0.8	MR V 325	- 80 C 4 B14R	14 x 105	39	47
	90	1.26	885	1 409	475	19	0.95					
	110	1.29	734	1 398	450	15.5	1.12					
	143	1.3	577	1 277	425	12	1.32					
	205	1.34	412	1 169	335	8.33	1.6					
2	15.3	1.4	5 759	7 053	1 700	73	0.85	MR V 742	- 90 LC 6 B5*	24 x 200	103	116
	19.3	1.47	4 797	9 269	1 700	58	1.18					
	23.8	1.52	4 026	9 390	1 700	47	1.4					
	30.3	1.56	3 255	11 028	1 700	37	2					
	37.3	1.61	2 710	10 384	1 700	30	2.36					
	15.6	1.4	5 658	7 053	1 700	73	0.9	MR V 742	- 100 LA 6 B5	28 x 250	118	134
	19.7	1.47	4 713	9 269	1 700	58	1.18					
	24.3	1.52	3 956	9 390	1 700	47	1.5					
	30.8	1.56	3 198	11 028	1 700	37	2					
	38	1.61	2 662	10 384	1 700	30	2.5					
	23.4	1.47	3 966	6 936	1 700	73	1.12	MR V 742	- 90 L 4 B5	24 x 200	97	110
	29.5	1.53	3 280	7 792	1 700	58	1.5					
	36.4	1.58	2 741	8 139	1 600	47	1.8					
	46.2	1.61	2 199	9 719	1 600	37	2.5					
	57	1.66	1 830	8 902	1 500	30	3					
	72.8	1.73	1 499	7 813	1 400	23.5	3.15					
	30.3	1.53	3 179	5 933	1 400	37	1.06	MR V 535	- 90 LC 6 B5*	24 x 200	82	95
	37.3	1.57	2 656	5 795	1 320	30	1.32					
	47.7	1.67	2 213	4 998	1 180	23.5	1.4					
	58.9	1.69	1 812	5 666	1 000	19	1.8					
	72.3	1.72	1 500	5 412	900	15.5	2.12					
	29.5	1.5	3 202	4 164	1 320	58	0.85	MR V 535	- 90 L 4 B5	24 x 200	77	89
	36.4	1.55	2 683	4 476	1 320	47	1.06					
	46.2	1.59	2 162	5 133	1 320	37	1.32					
	57.0	1.63	1 798	5 012	1 180	30	1.6					
	72.8	1.71	1 481	4 318	1 000	23.5	1.8					
	90	1.73	1 213	4 835	900	19	2.12					
	110	1.75	1 001	4 487	850	15.5	2.65					
	147	1.79	769	4 714	750	11.7	3.55					
	207	1.82	553	3 983	710	8.25	4.25					
	46.7	1.57	2 127	3 058	800	24	0.9	MR V 430	- 90 LC 6 B5R	19 x 200	62	75
	46.2	1.54	2 105	2 705	800	37	0.8					
	57	1.6	1 764	2 778	800	30	0.95					
	71.3	1.63	1 440	2 672	750	24	1.12					
	90	1.71	1 195	2 540	750	19	1.32					
	110	1.73	990	2 519	600	15.5	1.5					
	143	1.75	775	2 339	475	12	1.7					
	205	1.8	552	2 131	400	8.33	2.24					
2.5	19.7	1.84	5 891	9 269	1 700	58	0.95	MR V 742	- 100 LB 6 B5	28 x 250	125	138
	24.3	1.9	4 945	9 390	1 700	47	1.18					
	30.8	1.95	3 997	11 028	1 700	37	1.6					
	38	2.01	3 328	10 384	1 700	30	1.9					

* On continuous duty, with an ambient temperature > 86 °F (30 °C) or with full load running, thermal power verification is necessary.

** Thermal power is to be verified.

* Power or motor power-to-size correspondence not according to standard.

9 - Selection tables

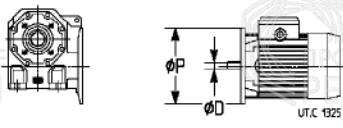
Motor power	Output speed	Output power	Output torque	Max output torque	OHL	Ratio	Service factor			Weight										
P_1 hp	n_2 rpm	P_2 hp	T_2 lbf in	T_{2max} lbf in	F_{12} lbf	i	f_s		$\varnothing D$ mm	$\varnothing P$ mm	HF lb	F0 lb								
2.5	23	1.84	5 046	6 936	1 600	73	0.9		MR V 742	- 90 LB 4 B5	24 × 200	100	112							
	29	1.92	4 173	7 792	1 700	58	1.18													
	35.7	1.98	3 488	8 139	1 700	47	1.4													
	45.4	2.02	2 798	9 719	1 700	37	1.9													
	56	2.07	2 329	8 902	1 400	30	2.36													
	71.5	2.16	1 907	7 813	1 320	23.5	2.5													
	88.4	2.18	1 557	9 011	1 320	19	3.15													
	*	30.8	1.91	3 904	5 933	1 320	37	0.85		MR V 535	- 100 LB 6 B5R	24 × 200	102	115						
		38	1.97	3 262	5 795	1 250	30	1.06												
		48.5	2.09	2 717	4 998	1 180	23.5	1.18												
		60	2.12	2 225	5 666	1 060	19	1.4												
		73.5	2.15	1 842	5 412	900	15.5	1.8												
		97.7	2.21	1 423	5 616	800	11.7	2.24												
		138	2.25	1 026	4 743	710	8.25	2.8												
		*	35.7	1.94	3 413	4 476	1 250	47	0.85		MR V 535	- 90 LB 4 B5	24 × 200	79	91					
			45.4	1.98	2 751	5 133	1 250	37	1.06											
			56	2.03	2 288	5 012	1 180	30	1.32											
			71.5	2.14	1 884	4 318	1 060	23.5	1.4											
			88.4	2.16	1 543	4 835	900	19	1.7											
			108	2.19	1 274	4 487	800	15.5	2.12											
			144	2.24	978	4 714	750	11.7	2.8											
			204	2.27	704	3 983	670	8.25	3.35											
	**	56	1.99	2 244	2 778	670	30	0.75		MR V 430	- 90 LB 4 B5R	19 × 200	59	71						
		70	2.04	1 833	2 672	710	24	0.9												
		88.4	2.13	1 520	2 540	670	19	1												
		108	2.17	1 260	2 519	630	15.5	1.18												
		140	2.19	986	2 339	560	12	1.32												
202		2.25	703	2 131	400	8.33	1.7													
3	19.8	2.2	7 008	9 269	1 700	58	0.8		MR V 742	- 112 M 6 B5	28 × 250	134	151							
	24.5	2.28	5 882	9 390	1 700	47	1													
	31.1	2.34	4 755	11 028	1 700	37	1.32													
	38.3	2.41	3 959	10 384	1 700	30	1.6													
	23.3	2.21	5 984	6 936	1 400	73	0.75								MR V 742	- 90 LC 4 B5*	24 × 200	103	116	
	29.3	2.3	4 949	7 792	1 600	58	1													
	36.2	2.37	4 136	8 139	1 700	47	1.18													
	45.9	2.42	3 318	9 719	1 700	37	1.6													
	56.7	2.48	2 762	8 902	1 500	30	2													
	23.6	2.21	5 914	6 936	1 400	73	0.75		MR V 742	- 100 LA 4 B5	28 × 250	112	125							
	29.7	2.3	4 891	7 792	1 600	58	1.06													
	36.6	2.37	4 088	8 139	1 700	47	1.25													
	46.5	2.42	3 279	9 719	1 700	37	1.6													
	57.3	2.48	2 730	8 902	1 500	30	2													
	73.2	2.6	2 235	7 813	1 320	23.5	2.12													
	90.5	2.62	1 825	9 011	1 250	19	2.65													
	111	2.66	1 508	7 977	1 180	15.5	3.15													
	**	38.3	2.36	3 880	5 795	1 180	30	0.9		MR V 535	- 112 M 6 B5R	24 × 200	111	128						
		48.9	2.51	3 233	4 998	1 120	23.5	0.95												
		60.5	2.54	2 647	5 666	1 060	19	1.18												
		74.2	2.58	2 191	5 412	950	15.5	1.5												
		98.6	2.65	1 692	5 616	800	11.7	1.9												
		139	2.7	1 220	4 743	670	8.25	2.36												
		45.9	2.38	3 263	5 133	1 180	37	0.85								MR V 535	- 90 LC 4 B5*	24 × 200	82	95
		56.7	2.44	2 713	5 012	1 120	30	1.06												
		72.3	2.56	2 234	4 318	1 060	23.5	1.18												
		89.5	2.6	1 830	4 835	950	19	1.4												
		110	2.63	1 511	4 487	800	15.5	1.8												
		46.5	2.38	3 225	5 133	1 180	37	0.9		MR V 535	- 100 LA 4 B5R	24 × 200	89	102						
		57.3	2.44	2 681	5 012	1 120	30	1.12												
		73.2	2.56	2 208	4 318	1 060	23.5	1.18												
		90.5	2.6	1 808	4 835	950	19	1.4												
	111	2.63	1 493	4 487	800	15.5	1.8													
147	2.68	1 147	4 714	710	11.7	2.36														
208	2.73	825	3 983	630	8.25	2.8														
**	70.8	2.44	2 173	2 672	630	24	0.75		MR V 430	- 90 LC 4 B5R	19 × 200	62	75							
	89.5	2.56	1 802	2 540	600	19	0.85													
	110	2.6	1 494	2 519	560	15.5	1													
	142	2.63	1 169	2 339	500	12	1.12													
	204	2.7	833	2 131	425	8.33	1.4													

* On continuous duty, with an ambient temperature > 86 °F (30 °C) or with full load running, thermal power verification is necessary.

** Thermal power is to be verified.

* Power or motor power-to-size correspondence not according to standard.

9 - Selection tables

Motor power P_1 hp	Output speed n_2 rpm	Output power P_2 hp	Output torque T_2 lbf in	Max output torque T_{2max} lbf in	OHL F_{12} lbf	Ratio i	Service factor f_s		Weight $\approx$ HF lb	F0 lb
5 **	36.6	3.96	6 813	8 139	1 400	47	0.75	MR V 742 - 100 LB 4 B5 28 x 250	121	134
	46.5	4.03	5 466	9 719	1 700	37	1			
	57.3	4.14	4 549	8 902	1 600	30	1.18			
	73.2	4.33	3 725	7 813	1 500	23.5	1.25			
	90.5	4.37	3 042	9 011	1 320	19	1.6			
	111	4.43	2 513	7 977	1 120	15.5	1.9			
	147	4.5	1 926	8 505	950	11.7	2.5	MR V 535 - 100 LB 4 B5R 24 x 200	98	111
	208	4.57	1 382	7 027	900	8.25	3			
	73.2	4.27	3 680	4 318	850	23.5	0.71			
	90.5	4.33	3 014	4 835	850	19	0.85			
	111	4.38	2 488	4 487	850	15.5	1.06			
	147	4.47	1 911	4 714	710	11.7	1.4			
	208	4.55	1 375	3 983	560	8.25	1.7			
5.4 *	61.1	4.64	4 787	10 600	1 500	19	1.25	MR V 742 - 132 M 6 B5R 28 x 250	200	226
	74.8	4.7	3 954	9 704	1 320	15.5	1.5			
	99.4	4.81	3 046	10 087	1 120	11.7	1.9			
	141	4.89	2 192	8 423	900	8.25	2.36			
	57.7	4.47	4 885	8 902	1 600	30	1.12	MR V 742 - 112 M 4 B5 28 x 250	134	151
	73.6	4.67	3 999	7 813	1 500	23.5	1.18			
	91.1	4.72	3 267	9 011	1 320	19	1.5			
	112	4.78	2 699	7 977	1 120	15.5	1.8			
	148	4.87	2 068	8 505	950	11.7	2.24			
	210	4.94	1 484	7 027	900	8.25	2.8			
	112	4.73	2 672	4 487	800	15.5	1	MR V 535 - 112 M 4 B5R 24 x 200	111	128
	148	4.83	2 052	4 714	750	11.7	1.32			
	210	4.91	1 477	3 983	630	8.25	1.6			
7.5 **	61.1	6.44	6 649	10 600	1 250	19	0.9	MR V 742 - 132 MB 6 B5R 28 x 250	209	235
	74.8	6.52	5 492	9 704	1 250	15.5	1.06			
	99.4	6.68	4 231	10 087	1 180	11.7	1.32			
	141	6.79	3 044	8 423	850	8.25	1.7			
	89.5	6.55	4 617	9 011	1 250	19	1.06	MR V 742 - 112 MC 4 B5* 28 x 250	145	167
	110	6.64	3 814	7 977	1 250	15.5	1.25			
	146	6.76	2 923	8 505	1 060	11.7	1.6			
	206	6.9	2 097	7 027	850	8.25	2			
	91.6	6.55	4 511	9 011	1 250	19	1.12	MR V 742 - 132 S 4 B5R 28 x 250	182	200
	112	6.64	3 727	7 977	1 250	15.5	1.32			
	149	6.76	2 856	8 505	1 060	11.7	1.6			
	211	6.9	2 049	7 027	850	8.25	2			
	146	6.71	2 900	4 714	600	11.7	0.9	MR V 535 - 112 MC 4 B5R 24 x 200	122	144
	206	6.82	2 087	3 983	530	8.25	1.12			

* On continuous duty, with an ambient temperature > 86°F (30 °C) or with full load running, thermal power verification is necessary.

** Thermal power is to be verified.

* Power or motor power-to-size correspondence not according to standard.