

TM500A60 SERIES (20.0" diameter)



SPECIFICATIONS

TM500A60 - 420		(20.0 HP	1740 RPM)	Minimum Face Width (L): DESIGN A = 27.56"										WEIGHT = 773.80 LBS. @ L=25.59"
V (ft/min)	1111	802	741	670	628	527	484	444	384	319	268	232	192	
NLV (ft/min)	1143	826	762	689	646	542	498	457	395	328	276	238	198	
BP (lbs)	595	823	892	986	1052	1254	1365	1488	1721	2072	2466	2853	3435	
T' lbs.	489	677	733	811	865	1301	1123	1224	1416	1704	2028	2347	2825	
WITH 0.25" LAGGING														
V (ft/min)	1139	823	760	687	644	540	496	455	394	327	275	237	197	
NLV (ft/min)	1172	846	782	707	663	556	511	469	405	336	283	244	203	
BP (lbs)	580	803	870	962	1026	1223	1331	1451	1679	2021	2405	2783	3350	
T' lbs.	489	677	733	811	865	1031	1123	1224	1416	1704	2028	2347	2825	
TM500A60 - 415		(15.0 HP	1740 RPM)	Minimum Face Width (L): DESIGN A = 25.59"										WEIGHT = 763.50 LBS. @ L=25.59"
V (ft/min)	1111	802	741	670	628	527	484	444	384	319	268	232	192	
NLV (ft/min)	1143	826	762	689	646	542	498	457	395	328	276	238	198	
BP (lbs)	446	618	669	740	789	940	1024	1116	1291	1554	1849	2140	2576	
T' lbs.	367	508	550	608	649	773	842	918	1062	1278	1521	1760	2119	
WITH 0.25" LAGGING														
V (ft/min)	1139	823	760	687	644	540	496	455	394	327	275	237	197	
NLV (ft/min)	1172	846	782	707	663	556	511	469	405	336	283	244	203	
BP (lbs)	435	602	652	721	769	917	998	1088	1259	1516	1804	2087	2512	
T' lbs.	367	508	550	608	649	773	842	918	1062	1278	1521	1760	2119	
TM500A60 - 410		(10.0 HP	1740 RPM)	Minimum Face Width (L): DESIGN A = 23.62"										WEIGHT = 745.10 LBS. @ L=25.59"
V (ft/min)	1111	802	741	670	628	527	484	444	384	319	268	232	192	
NLV (ft/min)	1143	826	762	689	646	542	498	457	395	328	276	238	198	
BP (lbs)	297	412	446	493	526	627	682	744	861	1036	1233	1427	1717	
T' lbs.	245	339	367	406	433	516	561	612	708	852	1014	1173	1413	
WITH 0.25" LAGGING														
V (ft/min)	1139	823	760	687	644	540	496	455	394	327	275	237	197	
NLV (ft/min)	1172	846	782	707	663	556	511	469	405	336	283	244	203	
BP (lbs)	290	402	435	481	513	611	666	725	839	1010	1202	1391	1675	
T' lbs.	245	339	367	406	433	516	561	612	708	852	1014	1173	1413	
TM500A60 - 475		(7.5 HP	1740 RPM)	Minimum Face Width (L): DESIGN A = 23.62"										WEIGHT = 734.10 LBS. @ L=25.59"
V (ft/min)	670	484	379	286	268	232	192							
NLV (ft/min)	689	498	390	294	276	238	198							
BP (lbs)	370	512	654	867	925	1070	1288							
T' lbs.	304	421	538	713	761	880	1059							

V = Velocity NLV = No Load Velocity BP = Belt Pull T = Torque RPM = Internal Electric Motor RPM

NOTE: Total weight of the unit increases by 10.64 lbs. per inch above 25.59 inches.

All drum motors are available in all standard voltages and are electrically reversible. Other belt speeds and face widths are available. Please consult Van der Graaf.

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WITH 0.25" LAGGING

V (ft/min)	687	496	389	293	275	237	197
NLV (ft/min)	707	511	400	302	283	244	203
BP (lbs)	361	499	638	845	902	1044	1256
T' lbs.	304	421	538	713	761	880	1059

TM500A60 - 675 (7.5 HP 1150 RPM) Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 734.10 LBS. @ L=25.59"

V (ft/min)	447	323	253	191	179	154	128
NLV (ft/min)	460	332	260	196	184	159	132
BP (lbs)	555	768	981	1300	1387	1605	1932
T' lbs.	456	632	807	1070	1141	1320	1589

WITH 0.25" LAGGING

V (ft/min)	458	331	259	195	183	158	131
NLV (ft/min)	471	340	266	201	188	163	135
BP (lbs)	541	749	957	1268	1353	1565	1884
T' lbs.	456	632	807	1070	1141	1320	1589

TM500A60 - 455 (5.5 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 723.10 LBS. @ L=25.59"

V (ft/min)	670	484	379	286	268	232	192
NLV (ft/min)	689	498	390	294	276	238	198
BP (lbs)	271	375	479	636	678	785	944
T' lbs.	223	309	394	523	558	645	777

WITH 0.25" LAGGING

V (ft/min)	687	496	389	293	275	237	197
NLV (ft/min)	707	511	400	302	283	244	203
BP (lbs)	264	366	468	620	661	765	921
T' lbs.	223	309	394	523	558	645	777

TM500A60 - 655 (5.5 HP 1150 RPM) Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 723.10 LBS. @ L=25.59"

V (ft/min)	447	323	253	191	179	154	128
NLV (ft/min)	460	332	260	196	184	159	132
BP (lbs)	407	563	719	954	1017	1177	1417
T' lbs.	335	463	592	784	837	968	1165

WITH 0.25" LAGGING

V (ft/min)	458	331	259	195	183	158	131
NLV (ft/min)	471	340	266	201	188	163	135
BP (lbs)	397	549	701	930	992	1148	1382
T' lbs.	335	463	592	784	837	968	1165

V = Velocity NLV = No Load Velocity BP = Belt Pull T = Torque RPM = Internal Electric Motor RPM

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TM500A60 - 440 (4.0 HP 1740 RPM)								Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 712.80 LBS. @ L=25.59"	
V (ft/min)	670	484	379	286	268	232	192		
NLV (ft/min)	689	498	390	294	276	238	198		
BP (lbs)	197	273	349	462	493	571	687		
T' lbs.	162	225	287	380	406	469	565		
WITH 0.25" LAGGING									
V (ft/min)	687	496	389	293	275	237	197		
NLV (ft/min)	707	511	400	302	283	244	203		
BP (lbs)	192	266	340	451	481	557	670		
T' lbs.	162	225	287	380	406	469	565		
TM500A60 - 840 (4.0 HP 875 RPM)								Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 734.10 LBS. @ L=25.59"	
V (ft/min)	335	242	189	143	134	116	96		
NLV (ft/min)	345	249	195	147	138	119	99		
BP (lbs)	394	546	697	925	986	141	1374		
T' lbs.	324	449	574	761	811	939	1130		
WITH 0.25" LAGGING									
V (ft/min)	343	248	194	147	137	119	98		
NLV (ft/min)	353	255	200	151	141	122	101		
BP (lbs)	385	532	680	902	962	1113	1340		
T' lbs.	324	449	574	761	811	939	1130		
TM500A60 - 830 (3.0 HP 875 RPM)								Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 723.10 LBS. @ L=25.59"	
V (ft/min)	335	242	189	143	134	116	96		
NLV (ft/min)	345	249	195	147	138	119	99		
BP (lbs)	296	409	523	693	740	856	1030		
T' lbs.	243	337	430	570	608	704	847		
WITH 0.25" LAGGING									
V (ft/min)	343	248	194	147	137	119	98		
NLV (ft/min)	353	255	200	151	141	122	101		
BP (lbs)	289	399	510	676	721	835	1005		
T' lbs.	243	337	430	570	608	704	847		
TM500A60 - 1230 (3.0 HP 575 RPM)								Minimum Face Width (L): DESIGN A = 23.62" WEIGHT = 745.10 LBS. @ L=25.59"	
V (ft/min)	223	161	126	95	89	77	64		
NLV (ft/min)	230	166	130	98	92	79	66		
BP (lbs)	444	614	785	1040	1110	1284	1546		
T' lbs.	365	505	645	856	913	1056	1271		

V = Velocity **NLV** = No Load Velocity **BP** = Belt Pull **T** = Torque **RPM** = Internal Electric Motor RPM

NOTE: Total weight of the unit increases by **10.64 lbs. per inch** above **25.59 inches**.

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WITH 0.25" LAGGING

V (ft/min)	229	165	129	98	91	79	65
NLV (ft/min)	236	170	133	100	94	81	68
BP (lbs)	433	599	765	1015	1082	1252	1507
T' lbs.	365	505	645	856	913	1056	1271

TM500A60 - 1220 (2.0 HP 575 RPM)

Minimum Face Width (L): DESIGN A = 23.62"

WEIGHT = 745.10 LBS. @ L=25.59"

V (ft/min)	223	161	126	95	89	77	64
NLV (ft/min)	230	166	130	98	92	79	66
BP (lbs)	296	409	523	693	740	856	1030
T' lbs.	243	337	430	570	608	704	847

WITH 0.25" LAGGING

V (ft/min)	229	165	129	98	91	79	65
NLV (ft/min)	236	170	133	100	94	81	68
BP (lbs)	289	399	510	676	721	835	1008
T' lbs.	243	337	430	570	608	704	847

V = Velocity NLV = No Load Velocity BP = Belt Pull T = Torque RPM = Internal Electric Motor RPM

NOTE: Total weight of the unit increases by 10.64 lbs. per inch above 25.59 inches.

All drum motors are available in all standard voltages and are electrically reversible. Other belt speeds and face widths are available. Please consult Van der Graaf.