

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.

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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

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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

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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.

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