

# TM400 SERIES (16.0" diameter)



## SPECIFICATIONS

TM400 - 420 (20.0 HP 1740 RPM)	Minimum Face Width (L): DESIGN A = 27.56" DESIGN B = 29.53"												WEIGHT = 539.40 LBS. @ L=25.59"
V (ft/min)	885	639	591	534	501	420	386	354	306	254	214	185	153
NLV (ft/min)	920	665	614	555	520	437	401	368	318	264	222	192	159
BP (lbs)	747	1033	1119	1238	1320	1573	1713	1867	2160	2600	3094	3581	4310
T' lbs.	494	684	741	820	874	1042	1134	1236	1431	1722	2049	2371	2854
<b>WITH 0.25" LAGGING</b>													
V (ft/min)	913	660	609	551	516	433	398	365	315	262	220	190	158
NLV (ft/min)	949	686	633	572	537	450	414	380	328	272	229	198	164
BP (lbs)	724	1002	1085	1200	1280	1526	1661	1810	2094	2521	3000	3472	4179
T' lbs.	494	684	741	820	874	1042	1134	1236	1431	1722	2049	2371	2854
<b>TM400 - 415 (15.0 HP 1740 RPM)</b>													
Minimum Face Width (L): DESIGN A = 25.59" DESIGN B = 27.56"												WEIGHT = 534.50 LBS. @ L=25.59"	
V (ft/min)	885	639	591	534	501	420	386	354	306	254	214	185	153
NLV (ft/min)	920	665	614	555	520	437	401	368	318	264	222	192	159
BP (lbs)	560	775	839	928	990	1180	1285	1400	1620	1950	2321	2685	3233
T' lbs.	371	513	556	615	656	782	851	927	1073	1292	1537	1779	2141
<b>WITH 0.25" LAGGING</b>													
V (ft/min)	913	660	609	551	516	433	398	365	315	262	220	190	158
NLV (ft/min)	949	686	633	572	537	450	414	380	328	272	229	198	164
BP (lbs)	543	751	814	900	960	114	1246	1357	1571	1891	2250	2604	3134
T' lbs.	371	513	556	615	656	782	851	927	1073	1292	1537	1779	2141
<b>TM400 - 410 (10.0 HP 1740 RPM)</b>													
Minimum Face Width (L): DESIGN A = 23.62" DESIGN B = 25.59"												WEIGHT = 507.10 LBS. @ L=25.59"	
V (ft/min)	885	639	591	534	501	420	386	354	306	254	214	185	153
NLV (ft/min)	920	665	614	555	520	437	401	368	318	264	222	192	159
BP (lbs)	373	517	559	619	660	787	856	933	1080	1300	1547	1790	2155
T' lbs.	247	342	370	410	437	521	567	618	715	861	1025	1186	1427
<b>WITH 0.25" LAGGING</b>													
V (ft/min)	913	660	609	551	516	433	398	365	315	262	220	190	158
NLV (ft/min)	949	686	633	572	537	450	414	380	328	272	229	198	164
BP (lbs)	362	501	542	600	640	763	830	905	1047	1260	1500	1736	2089
T' lbs.	247	342	370	410	437	521	567	618	715	861	1025	1186	1427
<b>TM400 - 475 (7.5 HP 1740 RPM)</b>													
Minimum Face Width (L): DESIGN A = 23.62" DESIGN B = 25.59"												WEIGHT = 496.00 LBS. @ L=25.59"	
V (ft/min)	534	386	302	228	214	185	153						
NLV (ft/min)	555	401	314	237	222	192	159						
BP (lbs)	464	642	821	1088	1160	1343	1616						
T' lbs.	307	425	543	720	768	889	1070						

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

**NOTE:** Total weight of the unit increases by 6.72 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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## SPECIFICATIONS

### WITH 0.25" LAGGING

V (ft/min)	551	398	311	235	220	190	158
NLV (ft/min)	572	414	324	244	229	198	164
BP (lbs)	450	623	796	1055	1125	1302	1567
T' lbs.	307	425	543	720	768	889	1070

### TM400 - 675 (7.5 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 23.62" DESIGN B = 25.59" WEIGHT = 496.00 LBS. @ L=25.59"

V (ft/min)	356	257	201	152	142	123	102
NLV (ft/min)	370	267	209	158	148	128	106
BP (lbs)	696	964	1231	1632	1741	2014	2424
T' lbs.	461	638	815	1081	1153	1334	1606

### WITH 0.25" LAGGING

V (ft/min)	367	265	208	157	147	127	105
NLV (ft/min)	382	276	216	163	153	132	110
BP (lbs)	675	934	1193	1582	1688	1953	2351
T' lbs.	461	638	815	1081	1153	1334	1606

### TM400 - 455 (5.5 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 23.62" DESIGN B = 25.59" WEIGHT = 485.00 LBS. @ L=25.59"

V (ft/min)	534	386	302	228	214	185	153
NLV (ft/min)	555	401	314	237	222	192	159
BP (lbs)	340	471	602	798	851	985	1185
T' lbs.	225	312	398	528	564	652	785

### WITH 0.25" LAGGING

V (ft/min)	551	398	311	235	220	190	158
NLV (ft/min)	572	414	324	244	229	198	164
BP (lbs)	330	457	583	773	825	955	1149
T' lbs.	225	312	398	528	564	652	785

### TM400 - 655 (5.5 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 23.62" DESIGN B = 25.59" WEIGHT = 485.00 LBS. @ L=25.59"

V (ft/min)	356	257	201	152	142	123	102
NLV (ft/min)	370	267	209	158	148	128	106
BP (lbs)	511	707	902	1197	1276	1477	1778
T' lbs.	338	468	590	792	845	978	1177

### WITH 0.25" LAGGING

V (ft/min)	367	265	208	157	147	127	105
NLV (ft/min)	382	276	216	163	153	132	110
BP (lbs)	495	685	875	1160	1238	1432	1724
T' lbs.	338	468	590	792	845	978	1177

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

**NOTE:** Total weight of the unit increases by 6.72 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.