

# TM160 SERIES (6.5" diameter)



## SPECIFICATIONS

TM160 - 230 (3.0 HP 3400 RPM)	Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75"											WEIGHT = 67.50 LBS. @ L=13.78"							
V (ft/min)	951	796	663	604	497	404	322	301	280	268	245								
NLV (ft/min)	1032	863	719	655	539	438	349	327	303	291	265								
BP (lbs)	104	125	149	164	199	245	308	329	354	369	405								
T' lbs.	28	34	40	44	54	66	83	89	96	100	110								
<b>WITH 0.25" LAGGING</b>																			
V (ft/min)	1025	857	714	650	536	435	346	325	301	289	263								
NLV (ft/min)	1111	930	775	705	581	472	376	352	327	314	286								
BP (lbs)	97	116	139	152	185	228	286	305	329	343	376								
T' lbs.	28	34	40	44	54	66	83	89	96	100	110								
TM160 - 420 (2.0 HP 1740 RPM)	Minimum Face Width (L): DESIGN A = 15.75" DESIGN B = 17.72"													WEIGHT = 68.50 LBS. @ L=13.78"					
V (ft/min)	605	506	476	422	398	384	331	316	302	257	249	205	202	192	181	178	171	161	
NLV (ft/min)	656	549	516	457	432	417	360	343	327	279	270	222	219	208	196	193	185	174	
BP (lbs)	109	131	139	157	166	172	199	209	219	257	266	323	327	345	365	371	387	411	
T' lbs.	29	35	38	42	45	46	54	56	59	70	72	87	88	93	99	100	105	111	
<i>Continued ...</i>																			
V ((ft/min)	151	140	134	122	110	103	96	81	74										
NLV (ft/min)	163	152	146	133	119	112	104	88	80										
BP (lbs)	438	472	492	540	603	642	689	812	897										
T' lbs.	119	128	133	146	163	174	186	220	243										
<b>WITH 0.25" LAGGING</b>																			
V (ft/min)	652	545	512	454	428	414	357	341	325	277	268	220	218	206	195	192	184	173	
NLV (ft/min)	707	591	556	493	465	449	387	369	353	300	290	239	236	224	211	208	199	188	
BP (lbs)	101	121	129	145	154	160	185	194	203	239	247	300	304	320	339	345	359	381	
T' lbs.	29	35	38	42	45	46	54	56	59	70	72	87	88	93	99	100	105	111	
<i>Continued ...</i>																			
V ((ft/min)	162	151	144	132	118	111	103	88	79										
NLV (ft/min)	176	163	157	143	128	120	112	95	86										
BP (lbs)	407	439	457	502	560	596	639	754	767										
T' lbs.	119	128	133	146	163	174	186	220	243										
TM160 - 415 (1.5 HP 1740 RPM)	Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75"											WEIGHT = 67.10 LBS. @ L=13.78"							
V (ft/min)	476	398	331	302	249	202	181	161	151	140	134	122	110	103	96	81	74		
NLV (ft/min)	516	432	360	327	270	219	196	175	163	152	146	133	119	112	104	88	80		
BP (lbs)	104	125	149	164	199	245	274	308	329	354	369	405	452	482	516	609	673		
T' lbs.	28	34	40	44	54	66	74	83	89	96	100	110	122	130	140	165	182		

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

**NOTE:** Total weight of the unit increases by 1.4 lbs. per inch above 13.78 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.

# TM160 SERIES (6.5" diameter)



## SPECIFICATIONS

### WITH 0.25" LAGGING

V (ft/min)	512	428	357	325	268	218	195	173	162	151	144	132	118	111	103	88	79
NLV (ft/min)	556	465	387	353	290	236	211	188	176	163	157	143	128	120	112	95	86
BP (lbs)	97	116	139	152	185	228	254	286	305	329	343	376	420	447	480	566	625
T' lbs.	28	34	40	44	54	66	74	83	89	96	100	110	122	130	140	165	182

### TM160 - 410 (1.0 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 64.90 LBS. @ L=13.78"

V (ft/min)	476	398	331	302	249	202	181	161	151	140	134	122	110	103	96	81	74
NLV (ft/min)	516	432	360	327	270	219	196	174	163	152	146	133	119	112	104	88	80
BP (lbs)	69	83	100	109	133	164	183	205	219	236	246	270	301	321	344	406	448
T' lbs.	19	22	27	30	36	44	49	56	59	64	67	73	82	87	93	110	121

### WITH 0.25" LAGGING

V (ft/min)	512	428	357	325	268	218	195	173	162	151	144	132	118	111	103	88	79
NLV (ft/min)	556	465	387	353	290	236	211	188	176	163	157	143	128	120	112	95	86
BP (lbs)	64	77	92	102	123	152	170	191	204	219	229	251	280	298	320	377	416
T' lbs.	19	22	27	30	36	44	49	56	59	64	67	73	82	87	93	110	121

### TM160 - 610 (1.0 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 15.75" DESIGN B = 17.72" WEIGHT = 68.50 LBS. @ L=13.78"

V (ft/min)	317	265	221	166	135	121	89	69	64	54	49						
NLV (ft/min)	344	288	240	180	146	131	97	74	69	59	53						
BP (lbs)	104	125	149	199	245	274	369	482	516	609	673						
T' lbs.	28	34	40	54	66	74	100	130	140	165	182						

### WITH 0.25" LAGGING

V (ft/min)	341	286	238	178	145	130	96	74	69	58	53						
NLV (ft/min)	370	310	258	194	157	141	104	80	75	63	57						
BP (lbs)	97	116	139	185	228	254	343	447	480	566	625						
T' lbs.	28	34	40	54	66	74	100	130	140	165	182						

### TM160 - 475 (0.75 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 63.80 LBS. @ L=13.78"

V (ft/min)	476	398	331	302	249	202	181	161	151	124	122	110	103	96	81	74	*42
NLV (ft/min)	516	432	360	327	270	219	196	174	163	135	133	119	112	104	88	80	45
BP (lbs)	52	62	75	82	100	123	137	154	164	199	203	226	241	258	304	336	595
T' lbs.	14	17	20	22	27	33	37	42	44	54	55	61	65	70	82	91	161

### WITH 0.25" LAGGING

V (ft/min)	512	428	357	325	268	218	195	173	162	134	132	118	111	103	88	79	*45
NLV (ft/min)	556	465	387	353	290	236	211	188	176	145	143	128	120	112	95	86	49
BP (lbs)	48	58	69	76	92	114	127	143	153	185	188	210	224	240	283	312	553
T' lbs.	14	17	20	22	27	33	37	42	44	54	55	61	65	70	82	91	161

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

\*Slow speed 2 stage planetary gearing; Minimum Face Width & Weight increases for units with planetary gearing, contact Van der Graaf for these values.

**NOTE:** Total weight of the unit increases by 1.4 lbs. per inch above 13.78 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.

# TM160 SERIES (6.5" diameter)



## SPECIFICATIONS

TM160 - 675 (0.75 HP 1125 RPM)	Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75"												WEIGHT = 67.10 LBS. @ L=13.78"					
V (ft/min)	317	265	221	201	166	135	89	69	64	54	49							
NLV (ft/min)	344	288	240	218	180	146	97	74	69	59	53							
BP (lbs)	78	93	112	123	149	184	277	361	387	457	504							
T' lbs.	21	25	30	33	40	50	75	98	105	124	136							
<b>WITH 0.25" LAGGING</b>																		
V (ft/min)	341	286	238	217	178	145	96	74	69	58	53							
NLV (ft/min)	370	310	258	235	194	157	104	80	75	63	57							
BP (lbs)	73	87	104	114	139	171	257	335	360	424	468							
T' lbs.	21	25	30	33	40	50	75	98	105	124	136							
<b>TM160 - 875 (0.75 HP 850 RPM)</b>																		
Minimum Face Width (L): DESIGN A = 15.75" DESIGN B = 17.72" WEIGHT = 68.50 LBS. @ L=13.78"																		
V (ft/min)	238	166	101	80	50	48	41	37										
NLV (ft/min)	258	180	110	87	56	52	44	40										
BP (lbs)	104	149	245	308	482	516	609	673										
T' lbs.	28	40	66	83	130	140	165	182										
<b>WITH 0.25" LAGGING</b>																		
V (ft/min)	256	178	109	87	55	52	44	40										
NLV (ft/min)	278	194	118	94	60	56	48	43										
BP (lbs)	97	139	228	286	447	480	566	625										
T' lbs.	28	40	66	83	130	140	165	182										
<b>TM160 - 605 (0.5 HP 1125 RPM)</b>																		
Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 64.90 LBS. @ L=13.78"																		
V (ft/min)	317	265	221	201	166	135	121	107	100	93	89	81	73	69	64	54	49	*35
NLV (ft/min)	344	288	240	218	180	146	131	116	109	101	97	88	79	74	69	59	53	38
BP (lbs)	52	62	75	82	100	123	137	154	164	177	185	203	226	241	258	304	336	468
T' lbs.	14	17	20	22	27	33	37	42	44	48	50	55	61	65	70	82	91	127
<i>Continued ...</i>																		
V ((ft/min)	*28																	
NLV (ft/min)	30																	
BP (lbs)	595																	
T' lbs.	161																	
<b>WITH 0.25" LAGGING</b>																		
V (ft/min)	341	286	238	217	178	145	130	115	108	100	96	88	79	74	69	58	53	*38
NLV (ft/min)	370	310	258	235	194	157	141	125	117	109	104	95	85	80	75	63	57	41
BP (lbs)	48	58	69	76	92	114	127	143	153	164	171	188	210	224	240	283	312	434
T' lbs.	14	17	20	22	27	33	37	42	44	48	50	55	61	65	70	82	91	127

Continued ...

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

\*Slow speed 2 stage planetary gearing; Minimum Face Width & Weight increases for units with planetary gearing, contact Van der Graaf for these values.

**NOTE:** Total weight of the unit increases by 1.4 lbs. per inch above 13.78 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.

# TM160 SERIES (6.5" diameter)



## SPECIFICATIONS

Continued ... TM160 - 605 (0.5 HP 1125 RPM) with 0.25" Lagging

V (ft/min)	*30
NLV (ft/min)	32
BP (lbs)	553
T' lbs.	161

### TM160 - 805 (0.5 HP 850 RPM) Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 67.10 LBS. @ L=13.78"

V (ft/min)	238	151	124	41	37
NLV (ft/min)	258	164	135	44	40
BP (lbs)	69	109	133	406	448
T' lbs.	19	30	36	110	121

#### WITH 0.25" LAGGING

V (ft/min)	256	163	134	44	40
NLV (ft/min)	278	176	145	47	43
BP (lbs)	64	102	123	377	416
T' lbs.	19	30	36	110	121

### TM160 - 634 (0.34 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 63.80 LBS. @ L=13.78"

V (ft/min)	317	265	221	201	166	135	121	107	100	93	89	83	81	73	69	64	54	49
NLV (ft/min)	344	288	240	218	180	146	131	116	109	101	97	90	88	79	74	69	59	53
BP (lbs)	35	42	51	56	68	83	93	105	112	120	126	135	138	154	164	176	207	229
T' lbs.	10	11	14	15	18	23	25	28	30	33	34	37	37	42	44	47	56	62

#### WITH 0.25" LAGGING

V (ft/min)	341	286	238	217	178	145	130	115	108	100	96	89	88	79	74	69	58	53
NLV (ft/min)	370	310	258	235	194	157	141	125	117	109	104	97	95	85	80	75	63	57
BP (lbs)	33	39	47	52	63	77	86	97	104	112	117	126	128	143	152	163	192	212
T' lbs.	10	11	14	15	18	23	25	28	30	33	34	37	37	42	44	47	56	62

### TM160 - 834 (0.34 HP 850 RPM) Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 67.10 LBS. @ L=13.78"

V (ft/min)	238	166	151	41	37	*31	*26	*21
NLV (ft/min)	258	180	164	44	40	34	29	22
BP (lbs)	47	68	74	276	305	357	424	540
T' lbs.	13	18	20	75	82	97	115	146

#### WITH 0.25" LAGGING

V (ft/min)	256	178	163	44	40	*34	*28	*22
NLV (ft/min)	278	194	176	47	43	36	31	24
BP (lbs)	44	63	69	256	283	332	394	501
T' lbs.	13	18	20	75	82	97	115	146

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

\*Slow speed 2 stage planetary gearing; Minimum Face Width & Weight increases for units with planetary gearing, contact Van der Graaf for these values.

**NOTE:** Total weight of the unit increases by 1.4 lbs. per inch above 13.78 inches.

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# TM160 SERIES (6.5" diameter)



## SPECIFICATIONS

TM160 - 818 (0.18 HP 850 RPM)	Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75"												WEIGHT = 67.10 LBS. @ L=13.78"	
V (ft/min)	238	199	166	151	124	101	90	80	62	54	51	48	41	37
NLV (ft/min)	258	216	180	164	135	110	98	87	67	58	56	52	44	40
BP (lbs)	25	30	36	39	48	59	66	74	96	111	116	124	146	161
T' lbs.	7	8	10	11	13	16	18	20	26	30	31	33	39	44
<b>WITH 0.25" LAGGING</b>														
V (ft/min)	256	214	178	163	134	109	97	87	67	58	55	52	44	40
NLV (ft/min)	278	232	194	176	145	118	106	94	73	63	60	56	47	43
BP (lbs)	23	27	33	36	44	55	61	69	89	103	104	115	136	150
T' lbs.	7	8	10	11	13	16	18	20	26	30	31	33	39	44
TM160 - 1218 (0.18 HP 550 RPM)	Minimum Face Width (L): DESIGN A = 15.75" DESIGN B = 16.73"												WEIGHT = 77.00 LBS. @ L=13.78"	
V (ft/min)	*21	*17	*14											
NLV (ft/min)	22	19	15											
BP (lbs)	284	337	429											
T' lbs.	77	91	116											
<b>WITH 0.25" LAGGING</b>														
V (ft/min)	*22	*19	*15											
NLV (ft/min)	24	20	16											
BP (lbs)	263	313	398											
T' lbs.	77	91	116											

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

\*Slow speed 2 stage planetary gearing; **Minimum Face Width & Weight increases** for units with **planetary gearing**, contact Van der Graaf for these values.

**NOTE:** Total weight of the unit increases by 1.4 lbs. per inch above 13.78 inches.

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