

TM215 SERIES

(8.5" diameter)

SPECIFICATIONS

TM215 - 275 (7.5 HP 3400 RPM)				Minimum Face Width (L): DESIGN A = 21.65" DESIGN B = 23.62"								WEIGHT = 161.10 LBS. @ L=19.69"						
V (ft/min)	1111	907	817	653	579	463	401	356	333	308	253							
NLV (ft/min)	1192	974	876	701	622	497	430	382	357	331	272							
BP (lbs)	223	273	303	379	428	535	618	695	745	804	978							
T' lbs.	79	97	108	135	152	190	220	247	265	286	348							
WITH 0.25" LAGGING																		
V (ft/min)	1176	960	864	691	613	490	425	377	352	326	268							
NLV (ft/min)	1262	1031	928	742	658	526	456	405	378	350	288							
BP (lbs)	211	258	287	358	404	506	584	657	704	760	924							
T' lbs.	79	97	108	135	152	190	220	247	265	286	348							
TM215 - 255 (5.5 HP 3400 RPM)				Minimum Face Width (L): DESIGN A = 19.69" DESIGN B = 21.65"								WEIGHT = 161.10 LBS. @ L=19.69"						
V (ft/min)	1349	1111	907	817	653	579	463	401	356	333	308	283	256					
NLV (ft/min)	1448	1192	974	876	701	622	497	430	382	357	331	303	275					
BP (lbs)	135	164	200	223	278	314	393	453	510	546	590	643	709					
T' lbs.	48	58	71	79	99	111	140	161	181	194	210	228	252					
WITH 0.25" LAGGING																		
V (ft/min)	1428	1176	960	864	691	613	490	425	377	352	326	299	271					
NLV (ft/min)	1533	1262	1031	928	742	658	526	456	405	378	350	321	291					
BP (lbs)	127	155	189	210	263	296	371	428	482	516	557	607	670					
T' lbs.	48	58	71	79	99	111	140	161	181	194	210	228	252					
TM215 - 450 (5.0 HP 1740 RPM)				Minimum Face Width (L): DESIGN A = 19.69" DESIGN B = 21.65"								WEIGHT = 161.10 LBS. @ L=19.69"						
V (ft/min)	675	555	454	408	327	290	255	201	178	166	154							
NLV (ft/min)	724	596	487	438	350	311	274	215	191	178	165							
BP (lbs)	245	298	364	405	506	570	648	824	928	994	1073							
T' lbs.	88	106	130	144	180	203	230	293	330	353	381							
WITH 0.25" LAGGING																		
V (ft/min)	715	588	481	432	346	307	270	213	188	176	163							
NLV (ft/min)	765	630	515	463	445	328	289	277	202	188	174							
BP (lbs)	231	280	343	381	476	537	611	775	875	938	1014							
T' lbs.	88	106	130	144	180	203	230	293	330	353	381							
TM215 - 440 (4.0 HP 1740 RPM)				Minimum Face Width (L): DESIGN A = 19.69" DESIGN B = 21.65"								WEIGHT = 161.10 LBS. @ L=19.69"						
V (ft/min)	675	555	454	408	327	290	255	231	201	178	166	154	143	127	118	110	100	91
NLV (ft/min)	724	596	487	438	350	311	274	248	215	191	178	165	153	136	127	118	108	98
BP (lbs)	196	238	291	324	405	456	518	571	659	742	795	858	927	1043	1117	1206	1315	1451
T' lbs.	70	85	104	115	144	162	184	203	234	264	282	305	329	371	397	429	467	516

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

NOTE: Total weight of the unit increases by 2.52 lbs. per inch above 19.69 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.

TM215 SERIES (8.5" diameter)



SPECIFICATIONS

WITH 0.25" LAGGING

V (ft/min)	714	588	480	432	346	307	270	245	212	189	176	163	151	134	125	116	106	96
NLV (ft/min)	766	631	515	464	371	329	290	263	228	202	189	175	162	144	134	124	114	103
BP (lbs)	185	225	275	306	382	431	489	540	622	701	751	810	875	985	1055	1139	1242	1370
T' lbs.	70	85	104	115	144	162	184	203	234	264	282	305	329	371	397	429	467	516

TM215 - 430 (3.0 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69" WEIGHT = 154.50 LBS. @ L=19.69"

V (ft/min)	675	555	480	395	323	290	232	206	178	165	154	143	127	118	110	100	91
NLV (ft/min)	724	596	515	424	346	312	249	221	191	177	165	153	136	127	118	108	98
BP (lbs)	147	178	207	251	307	341	427	481	556	602	643	695	782	838	905	986	1088
T' lbs.	52	63	73	89	109	121	152	171	198	214	229	247	278	298	322	351	387

WITH 0.25" LAGGING

V (ft/min)	714	588	508	418	342	307	246	218	189	174	163	151	134	125	116	106	96
NLV (ft/min)	766	631	545	449	366	330	264	234	202	187	175	162	144	134	124	114	103
BP (lbs)	139	169	195	237	290	322	403	454	526	569	608	656	739	791	855	932	1028
T' lbs.	52	63	73	89	109	121	152	171	198	214	229	247	278	298	322	351	387

TM215 - 630 (3.0 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 19.69" DESIGN B = 21.65" WEIGHT = 161.10 LBS. @ L=19.69"

V (ft/min)	450	370	320	263	215	194	155	137	121	110	95	84	79	73	67	61
NLV (ft/min)	483	397	343	282	231	208	166	147	130	118	102	91	85	78	72	65
BP (lbs)	220	268	310	376	461	512	640	721	819	904	1042	1173	1257	1357	1479	1632
T' lbs.	78	95	110	134	164	182	227	256	291	321	370	417	447	482	526	580

WITH 0.25" LAGGING

V (ft/min)	476	392	339	279	228	205	164	145	128	116	101	89	83	77	71	64
NLV (ft/min)	511	420	363	299	244	220	176	156	137	125	108	96	90	83	76	69
BP (lbs)	208	253	293	356	435	484	605	682	774	854	985	1108	1187	1282	1397	1542
T' lbs.	78	95	110	134	164	182	227	256	291	321	370	417	447	482	526	580

TM215 - 420 (2.0 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69" WEIGHT = 150.10 LBS. @ L=19.69"

V (ft/min)	675	555	480	395	323	290	232	206	181	158	143	127	118	110	100	91
NLV (ft/min)	724	596	515	424	346	312	249	221	195	170	153	136	127	118	108	98
BP (lbs)	98	119	138	167	205	228	284	321	364	417	463	521	559	603	657	725
T' lbs.	35	42	49	59	73	81	101	114	129	148	165	185	199	214	234	258

WITH 0.25" LAGGING

V (ft/min)	714	588	508	418	342	307	246	218	192	168	151	134	125	116	106	96
NLV (ft/min)	766	631	545	449	366	330	264	234	206	180	162	144	134	124	114	103
BP (lbs)	92	112	130	158	193	215	269	303	344	394	438	493	528	570	621	685
T' lbs.	35	42	49	59	73	81	101	114	129	148	165	185	199	214	234	258

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

NOTE: Total weight of the unit increases by 2.52 lbs. per inch above 19.69 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.

TM215 SERIES (8.5" diameter)



SPECIFICATIONS

TM215 - 620 (2.0 HP 1125 RPM)	Minimum Face Width (L): DESIGN A = 19.69" DESIGN B = 21.65"											WEIGHT = 161.10 LBS. @ L=19.69"				
V (ft/min)	450	370	320	263	215	194	155	137	121	110	95	84	79	73	67	61
NLV (ft/min)	483	397	343	282	231	208	166	147	130	118	102	91	85	78	72	65
BP (lbs)	147	178	207	251	307	341	427	481	546	602	695	782	838	905	986	1088
T' lbs.	52	63	73	89	109	121	152	171	194	214	247	278	298	322	351	387
WITH 0.25" LAGGING																
V (ft/min)	476	392	339	279	228	205	164	145	128	116	101	89	83	77	71	64
NLV (ft/min)	511	420	363	299	244	220	176	156	137	125	108	96	90	83	76	69
BP (lbs)	139	169	195	237	290	322	403	454	516	569	656	739	791	854	932	1028
T' lbs.	52	63	73	89	109	121	152	171	194	214	247	278	298	322	351	387
TM215 - 415 (1.5 HP 1740 RPM)	Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69"											WEIGHT = 145.70 LBS. @ L=19.69"				
V (ft/min)	480	395	323	290	232	206	181	158	137	127	118	110	100	91		
NLV (ft/min)	515	424	346	312	249	221	195	170	147	136	127	118	108	98		
BP (lbs)	103	125	154	171	213	240	273	313	363	391	419	452	493	544		
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193		
WITH 0.25" LAGGING																
V (ft/min)	508	418	342	307	246	218	192	168	145	137	125	116	106	96		
NLV (ft/min)	545	449	366	330	264	234	206	180	155	144	134	124	114	103		
BP (lbs)	98	119	145	161	202	227	258	296	343	369	396	427	466	514		
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193		
TM215 - 615 (1.5 HP 1125 RPM)	Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69"											WEIGHT = 154.50 LBS. @ L=19.69"				
V (ft/min)	320	263	215	194	155	137	121	106	110	95	84	79	73	67	61	
NLV (ft/min)	343	282	231	208	166	147	130	113	118	102	91	85	78	72	65	
BP (lbs)	155	188	230	256	320	361	410	469	452	521	587	628	678	740	816	
T' lbs.	55	67	82	91	114	128	146	167	161	185	209	223	241	263	290	
WITH 0.25" LAGGING																
V (ft/min)	339	279	228	205	164	145	128	112	116	101	89	83	77	71	64	
NLV (ft/min)	363	299	244	220	176	156	137	120	125	108	96	90	83	76	69	
BP (lbs)	146	178	218	242	302	341	387	443	427	492	554	594	641	699	771	
T' lbs.	55	67	82	91	114	128	146	167	161	185	209	223	241	263	290	
TM215 - 815 (1.5 HP 850 RPM)	Minimum Face Width (L): DESIGN A = 19.69" DESIGN B = 21.65"											WEIGHT = 161.10 LBS. @ L=19.69"				
V (ft/min)	240	197	161	145	116	103	91	79	68	63	59	55	50	46		
NLV (ft/min)	257	212	173	156	125	111	97	85	73	68	63	59	54	49		
BP (lbs)	207	251	307	341	427	481	546	626	725	782	838	905	986	1088		
T' lbs.	73	89	109	121	152	171	194	222	258	278	298	322	351	387		

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

NOTE: Total weight of the unit increases by 2.52 lbs. per inch above 19.69 inches.

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TM215 SERIES (8.5" diameter)



SPECIFICATIONS

WITH 0.25" LAGGING

V (ft/min)	254	209	171	154	123	109	96	84	72	67	63	58	53	48
NLV (ft/min)	272	224	183	165	132	117	103	90	78	72	67	62	57	52
BP (lbs)	195	237	290	322	403	454	516	591	685	739	791	855	932	1028
T' lbs.	73	89	109	121	152	171	194	222	258	278	298	322	351	387

TM215 - 610 (1.0 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69" WEIGHT = 150.10 LBS. @ L=19.69"

V (ft/min)	320	263	215	194	155	137	121	106	91	84	79	73	67	61
NLV (ft/min)	343	282	231	208	166	147	130	113	98	91	85	78	72	65
BP (lbs)	103	125	154	171	213	240	273	313	363	391	628	452	493	544
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193

WITH 0.25" LAGGING

V (ft/min)	339	279	228	205	164	145	128	112	96	89	83	77	71	64
NLV (ft/min)	363	299	244	220	176	156	137	120	103	96	90	83	76	69
BP (lbs)	98	119	145	161	201	227	258	296	343	369	594	427	466	514
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193

TM215 - 810 (1.0 HP 850 RPM) Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69" WEIGHT = 154.50 LBS. @ L=19.69"

V (ft/min)	240	197	161	145	116	103	91	79	68	63	59	55	50	46
NLV (ft/min)	257	212	173	156	125	111	97	85	73	68	63	59	54	49
BP (lbs)	138	167	205	228	284	321	364	417	484	521	559	603	657	725
T' lbs.	49	59	73	81	101	114	129	148	172	185	199	214	234	258

WITH 0.25" LAGGING

V (ft/min)	254	209	171	154	123	109	96	84	72	67	63	58	53	48
NLV (ft/min)	272	224	183	165	132	117	103	90	78	72	67	62	57	52
BP (lbs)	130	158	193	215	269	303	344	394	457	493	528	570	621	685
T' lbs.	49	59	73	81	101	114	129	148	172	185	199	214	234	258

TM215 - 675 (0.75 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69" WEIGHT = 145.70 LBS. @ L=19.69"

V (ft/min)	320	263	215	194	155	137	121	106	91	84	79	73	67	61
NLV (ft/min)	343	282	231	208	166	147	130	113	98	91	85	78	72	65
BP (lbs)	77	94	115	128	160	180	205	235	272	293	314	339	370	408
T' lbs.	27	33	41	45	57	64	73	83	97	104	112	121	131	145

WITH 0.25" LAGGING

V (ft/min)	339	279	228	205	164	145	128	112	96	89	83	77	71	64
NLV (ft/min)	363	299	244	220	176	156	137	120	103	96	90	83	76	69
BP (lbs)	73	89	109	121	151	170	193	222	257	277	297	320	349	385
T' lbs.	27	33	41	45	57	64	73	83	97	104	112	121	131	145

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TM215 SERIES (8.5" diameter)



SPECIFICATIONS

TM215 - 875 (0.75 HP 850 RPM)	Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69"											WEIGHT = 150.10 LBS. @ L=19.69"		
V (ft/min)	240	197	161	145	116	103	91	79	68	63	59	55	50	46
NLV (ft/min)	257	212	173	156	125	111	97	85	73	68	63	59	54	49
BP (lbs)	103	125	154	171	213	240	273	313	363	391	419	452	493	544
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193
WITH 0.25" LAGGING														
V (ft/min)	254	209	171	154	123	109	96	84	72	67	63	58	53	48
NLV (ft/min)	272	224	183	165	132	117	103	90	78	72	67	62	57	52
BP (lbs)	98	119	145	161	202	227	258	296	343	369	396	427	466	514
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193
TM215 - 1275 (0.75 HP 550 RPM)	Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69"											WEIGHT = 150.10 LBS. @ L=19.69"		
V (ft/min)	160	132	108	97	77	69	60	53	46	42	39	36	33	30
NLV (ft/min)	172	141	115	104	83	74	65	57	49	45	42	39	36	32
BP (lbs)	155	188	230	256	320	361	410	469	544	587	628	678	740	816
T' lbs.	55	67	82	91	114	128	146	167	193	209	223	241	263	290
WITH 0.25" LAGGING														
V (ft/min)	169	139	114	102	82	73	64	56	48	45	42	39	35	32
NLV (ft/min)	182	149	122	110	88	78	69	60	52	48	45	41	38	34
BP (lbs)	146	178	218	242	302	341	387	443	514	554	594	641	699	771
T' lbs.	55	67	82	91	114	128	146	167	193	209	223	241	263	290
TM215 - 805 (0.5 HP 850 RPM)	Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69"											WEIGHT = 145.70 LBS. @ L=19.69"		
V (ft/min)	240	197	161	145	116	103	91	79	68	63	59	55	50	46
NLV (ft/min)	257	212	173	156	125	111	97	85	73	68	63	59	54	49
BP (lbs)	69	84	102	114	142	160	182	209	242	261	279	301	329	363
T' lbs.	24	30	36	40	51	57	65	74	86	93	99	107	117	129
WITH 0.25" LAGGING														
V (ft/min)	254	209	171	154	123	109	96	84	72	67	63	58	53	48
NLV (ft/min)	272	224	183	165	132	117	103	90	78	72	67	62	57	52
BP (lbs)	65	79	97	107	134	151	172	197	228	246	264	285	310	343
T' lbs.	24	30	36	40	51	57	65	74	86	93	99	107	117	129
TM215 - 1205 (0.5 HP 550 RPM)	Minimum Face Width (L): DESIGN A = 16.73" DESIGN B = 19.69"											WEIGHT = 154.50 LBS. @ L=19.69"		
V (ft/min)	160	132	108	97	77	69	60	53	46	42	39	36	33	30
NLV (ft/min)	172	141	115	104	83	74	65	57	49	45	42	39	36	32
BP (lbs)	103	125	154	171	213	240	273	313	363	391	419	452	493	544
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193

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NOTE: Total weight of the unit increases by 2.52 lbs. per inch above 19.69 inches.

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TM215 SERIES (8.5" diameter)



SPECIFICATIONS

WITH 0.25" LAGGING

V (ft/min)	169	139	114	102	82	73	64	56	48	45	42	39	35	32
NLV (ft/min)	182	149	122	110	88	78	69	60	52	48	45	41	38	34
BP (lbs)	98	119	145	161	201	227	258	296	343	369	396	427	456	514
T' lbs.	37	45	55	61	76	85	97	111	129	139	149	161	175	193

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

NOTE: Total weight of the unit increases by 2.52 lbs. per inch above 19.69 inches.

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