

# TM100 SERIES (4.0" diameter)



## SPECIFICATIONS

TM100 - 425 (0.25 HP 1740 RPM)	Minimum Face Width (L): DESIGN B = 12.20"												WEIGHT = 29.70 LBS. @ L=10.24"					
V (ft/min)	409	327	291	258	227	199	177	157	149	132	111	106	93	83	69	56	**44	**37
NLV (ft/min)	454	363	323	286	252	221	197	174	165	146	123	118	103	92	77	62	48	41
BP (lbs)	20	25	28	32	36	41	47	52	55	63	74	78	88	100	119	148	189	225
T' lbs.	3	4	5	5	6	7	8	9	9	10	12	13	15	16	20	24	31	37

Continued ...

V (ft/min)	**33	**27	**23	**20	**17	**14
NLV (ft/min)	36	30	25	23	19	15
BP (lbs)	253	274	274	274	274	274
T' lbs.	42	50	50	50	50	50

### WITH 0.25" LAGGING

V (ft/min)	461	368	329	291	256	224	200	177	168	148	125	120	105	93	78	63	**49	**41
NLV (ft/min)	511	409	364	322	284	249	221	196	186	164	138	133	116	103	87	70	54	46
BP (lbs)	18	22	25	28	32	37	41	47	49	56	66	69	79	88	106	131	168	199
T' lbs.	3	4	5	5	6	7	8	9	9	10	12	13	15	16	20	24	31	37

Continued ...

V (ft/min)	**37	**31	**26	**23	**19	**15
NLV (ft/min)	41	34	29	25	21	17
BP (lbs)	225	268	274	274	274	274
T' lbs.	42	50	50	50	50	50

TM100 - 416 (0.16 HP 1740 RPM)	Minimum Face Width (L): DESIGN B = 10.83"												WEIGHT = 29.70 LBS. @ L=10.24"					
V (ft/min)	258	227	199	177	157	149	132	111	106	93	83	69	56	**44	**37	**33	**27	**23
NLV (ft/min)	286	252	221	197	174	165	146	123	118	103	92	77	62	48	41	36	30	25
BP (lbs)	20	23	27	30	34	35	40	48	50	57	64	76	94	121	144	162	193	230
T' lbs.	3	4	5	5	5	6	7	8	8	9	10	12	15	20	24	27	32	38

Continued ...

V (ft/min)	**20	**17	**14
NLV (ft/min)	23	19	15
BP (lbs)	259	274	274
T' lbs.	43	50	50

### WITH 0.25" LAGGING

V (ft/min)	291	256	224	200	177	168	148	125	120	105	93	78	63	**49	**41	**37	**31	**26
NLV (ft/min)	322	284	249	221	196	186	164	138	133	116	103	87	70	54	46	41	34	29
BP (lbs)	18	20	24	26	30	31	36	42	44	50	57	68	84	107	128	144	172	204
T' lbs.	3	4	5	5	5	6	7	8	8	9	10	12	15	20	24	27	32	38

Continued ...

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

\*\*Slow Speed 3 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 0.9 lbs. per inch above 10.24 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.

# TM100 SERIES (4.0" diameter)



## SPECIFICATIONS

Continued ... TM100 - 416 (0.16 HP 1740 RPM) with 0.25" Lagging

V (ft/min)	**23	**19	**15
NLV (ft/min)	25	21	17
BP (lbs)	230	274	274
T' lbs.	43	50	50

### TM100 - 616 (0.16 HP 1125 RPM) Minimum Face Width (L): DESIGN B = 12.20" WEIGHT = 29.70 LBS. @ L=10.24"

V (ft/min)	305	273	218	194	172	152	118	105	99	88	74	71	62	55	46	37	**29	**24
NLV (ft/min)	338	303	242	215	191	168	131	116	110	97	82	79	69	61	51	41	32	27
BP (lbs)	17	19	24	27	31	35	45	50	53	60	71	74	85	96	114	142	181	216
T' lbs.	3	3	4	5	5	6	7	8	9	10	12	12	14	16	19	23	30	35

Continued ...

V ((ft/min)	**22	**18	**15	**13	**11	**9
NLV (ft/min)	24	20	17	15	13	10
BP (lbs)	243	274	274	274	274	274
T' lbs.	40	48	50	50	50	50

#### WITH 0.25" LAGGING

V (ft/min)	343	307	246	219	194	171	133	118	112	99	83	80	70	62	52	42	**33	**28
NLV (ft/min)	380	341	272	242	215	189	148	131	124	110	92	89	78	69	58	47	36	31
BP (lbs)	15	17	21	24	27	31	40	45	47	53	63	66	75	85	102	126	161	191
T' lbs.	3	3	4	5	5	6	7	8	9	10	12	12	14	16	19	23	30	35

Continued ...

V ((ft/min)	**24	**21	**17	**15	**13	**10
NLV (ft/min)	27	23	19	17	14	11
BP (lbs)	216	258	274	274	274	274
T' lbs.	40	48	50	50	50	50

### TM100 - 414 (0.14 HP 1740 RPM) Minimum Face Width (L): DESIGN B = 10.24" WEIGHT = 29.70 LBS. @ L=10.24"

V (ft/min)	258	227	199	177	157	149	132	111	106	93	83	69	58	**44	**37	**33	**27	**23
NLV (ft/min)	286	252	221	197	174	165	146	123	118	103	92	77	62	48	41	36	30	25
BP (lbs)	18	20	23	26	29	31	35	42	43	50	56	67	83	106	126	142	169	201
T' lbs.	3	3	4	4	5	5	6	7	7	8	9	11	14	17	21	23	28	33

Continued ...

V ((ft/min)	**20	**17	**14
NLV (ft/min)	23	19	15
BP (lbs)	227	271	274
T' lbs.	37	45	50

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

\*\*Slow speed 3 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 0.9 lbs. per inch above 10.24 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.

# TM100 SERIES (4.0" diameter)



## SPECIFICATIONS

### WITH 0.25" LAGGING

V (ft/min)	291	256	224	200	177	168	148	125	120	105	93	78	63	**49	**41	**37	**31	**26
NLV (ft/min)	322	284	249	221	196	186	164	138	133	116	103	87	79	54	46	41	34	29
BP (lbs)	16	18	20	23	26	27	31	37	39	44	50	59	73	94	112	126	150	179
T' lbs.	3	3	4	4	5	5	6	7	7	8	9	11	14	17	21	23	28	33

Continued ...

V (ft/min)	**23	**19	**15
NLV (ft/min)	25	21	17
BP (lbs)	201	240	274
T' lbs.	37	45	50

### TM100 - 611 (0.11HP 1125 RPM) Minimum Face Width (L): DESIGN B = 10.24" WEIGHT = 29.70 LBS. @ L=10.24"

V (ft/min)	194	172	151	118	105	99	88	74	71	62	55	46	37	**29	**24	**22	**18	**15
NLV (ft/min)	215	191	168	131	116	110	97	82	79	69	61	51	41	32	27	24	20	17
BP (lbs)	19	21	24	31	35	36	41	49	51	58	66	79	97	125	148	167	200	237
T' lbs.	3	3	4	5	6	6	7	8	9	10	11	13	16	21	24	27	33	39

Continued ...

V (ft/min)	**13	**11	**9
NLV (ft/min)	15	13	10
BP (lbs)	267	274	274
T' lbs.	44	50	50

### WITH 0.25" LAGGING

V (ft/min)	219	94	171	133	118	112	99	83	80	70	62	52	42	**33	**28	**24	**21	**17
NLV (ft/min)	242	215	189	148	131	124	110	92	89	78	69	58	47	36	31	27	23	19
BP (lbs)	17	19	21	27	31	32	37	44	45	52	58	70	86	111	132	148	177	211
T' lbs.	3	3	4	5	6	6	7	8	9	10	11	13	16	21	24	27	33	39

Continued ...

V (ft/min)	**15	**13	**10
NLV (ft/min)	17	14	11
BP (lbs)	237	274	274
T' lbs.	44	50	50

### TM100 - 811 (0.11HP 850 RPM) Minimum Face Width (L): DESIGN B = 14.17" WEIGHT = 32.70 LBS. @ L=10.24"

V (ft/min)	89	79	75	66	55	53	47	41	35	28	**22	**18	**16	**14	**11	**10	**8	**7
NLV (ft/min)	98	87	83	73	61	59	52	46	38	31	24	20	18	15	13	11	9	8
BP (lbs)	41	46	49	55	65	68	78	88	105	130	166	198	223	266	274	274	274	274
T' lbs.	7	8	8	9	11	11	13	14	17	21	27	33	37	44	50	50	50	50

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

\*\*Slow speed 3 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 0.9 lbs. per inch above 10.24 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.

# TM100 SERIES (4.0" diameter)



## SPECIFICATIONS

### WITH 0.25" LAGGING

V (ft/min)	100	89	84	74	62	60	52	47	39	31	**25	**21	**18	**15	**13	**11	**10	**8
NLV (ft/min)	111	98	93	82	69	66	58	52	43	35	27	23	20	17	14	13	11	9
BP (lbs)	36	41	43	49	58	61	69	78	93	115	148	175	198	236	274	274	274	274
T' lbs.	7	8	8	9	11	11	13	14	17	21	27	33	37	44	50	50	50	50

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

\*\*Slow speed 3 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 **0.9 lbs. per inch above 10.24 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.*