

TM127 SERIES (5.0" diameter)



SPECIFICATIONS

TM127 - 415 (1.5 HP 1740 RPM)				Minimum Face Width (L): DESIGN A = 13.78" DESIGN B = 15.75" WEIGHT = 50.00 LBS. @ L=13.78"							
V (ft/min)	307	236	200	118							
NLV (ft/min)	333	250	212	120							
BP (lbs)	180	209	247	419							
T' lbs.	33	43	51	87							
WITH 0.25" LAGGING											
V (ft/min)	337	259	220	129							
NLV (ft/min)	366	275	233	132							
BP (lbs)	145	188	223	381							
T' lbs.	33	43	51	87							
TM127 - 210 (1.0 HP 3400 RPM)				Minimum Face Width (L): DESIGN A = 11.81" DESIGN B = 13.78" WEIGHT = 44.10 LBS. @ L=13.78"							
V (ft/min)	629	472	401								
NLV (ft/min)	698	524	444								
BP (lbs)	52	70	82								
T' lbs.	11	15	17								
WITH 0.25" LAGGING											
V (ft/min)	692	519	440								
NLV (ft/min)	767	575	488								
BP (lbs)	48	64	75								
T' lbs.	11	15	17								
TM127 - 410 (1.0 HP 1740 RPM)				Minimum Face Width (L): DESIGN A = 11.81" DESIGN B = 13.78" WEIGHT = 44.10 LBS. @ L=13.78"							
V (ft/min)	315	236	200	146	110	93	82	*73	*57	*48	*38
NLV (ft/min)	349	262	222	162	121	103	91	81	64	54	42
BP (lbs)	105	140	165	226	301	355	404	453	576	684	767
T' lbs.	22	29	35	48	63	75	85	95	121	144	159
WITH 0.25" LAGGING											
V (ft/min)	346	259	220	161	120	102	90	*80	*63	*53	*42
NLV (ft/min)	383	288	244	178	133	113	100	89	70	59	46
BP (lbs)	95	127	150	206	274	323	368	412	524	623	767
T' lbs.	22	29	35	48	63	75	85	95	121	144	159
TM127 - 275 (0.75 HP 3400 RPM)				Minimum Face Width (L): DESIGN A = 10.83" DESIGN B = 11.81" WEIGHT = 39.70 LBS. @ L=13.78"							
V (ft/min)	629	472	401								
NLV (ft/min)	698	524	444								
BP (lbs)	39	52	62								
T' lbs.	8	11	13								

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 0.84 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.

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SPECIFICATIONS

WITH 0.25" LAGGING

V (ft/min)	692	519	440
NLV (ft/min)	767	575	488
BP (lbs)	36	48	56
T' lbs.	8	11	13

TM127 - 475 (0.75 HP 1740 RPM) Minimum Face Width (L): DESIGN A = 10.83" DESIGN B = 11.81" WEIGHT = 39.70 LBS. @ L=13.78"

V (ft/min)	315	236	200	146	110	93	82	*73	*57	*48	*38
NLV (ft/min)	349	262	222	162	121	103	91	81	64	54	42
BP (lbs)	79	105	124	170	226	266	303	340	432	513	653
T' lbs.	17	22	26	36	48	56	64	71	91	108	138

WITH 0.25" LAGGING

V (ft/min)	346	259	220	161	120	102	90	*80	*63	*53	*42
NLV (ft/min)	383	288	244	178	133	113	100	89	70	59	46
BP (lbs)	72	95	112	154	206	242	276	309	393	467	594
T' lbs.	17	22	26	36	48	56	64	71	91	108	138

TM127 - 675 (0.75 HP 1125 RPM) Minimum Face Width (L): DESIGN A = 11.81" DESIGN B = 13.78" WEIGHT = 44.10 LBS. @ L=13.78"

V (ft/min)	86	64	54
NLV (ft/min)	95	71	60
BP (lbs)	289	386	454
T' lbs.	61	81	96

WITH 0.25" LAGGING

V (ft/min)	94	71	60
NLV (ft/min)	104	78	66
BP (lbs)	263	351	413
T' lbs.	61	81	96

TM127 - 205 (0.5 HP 3400 RPM) Minimum Face Width (L): DESIGN A = 10.83" DESIGN B = 11.81" WEIGHT = 35.30 LBS. @ L=13.78"

V (ft/min)	629	472	401
NLV (ft/min)	698	524	444
BP (lbs)	26	35	41
T' lbs.	5	7	9

WITH 0.25" LAGGING

V (ft/min)	692	519	440
NLV (ft/min)	767	575	488
BP (lbs)	24	32	37
T' lbs.	5	7	9

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 0.84 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.

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TM127 - 405 (0.5 HP 1740 RPM)	Minimum Face Width (L): DESIGN A = 10.83" DESIGN B = 11.81"											WEIGHT = 37.50 LBS. @ L=13.78"		
V (ft/min)	315	236	200	146	110	93	82	*48	*38	**11	**8	**7	**5	
NLV (ft/min)	349	262	222	162	121	103	91	54	42	12	9	8	6	
BP (lbs)	52	70	82	113	151	178	202	342	435	767	767	767	767	
T' lbs.	11	15	17	24	32	37	42	72	92	159	159	159	159	
WITH 0.25" LAGGING														
V (ft/min)	346	259	220	161	120	102	90	*53	*42	**12	**9	**8	**6	
NLV (ft/min)	383	288	244	178	133	113	100	59	46	13	10	9	7	
BP (lbs)	48	64	75	103	137	162	184	311	396	767	767	767	767	
T' lbs.	11	15	17	24	32	37	42	72	92	159	159	159	159	
TM127 - 605 (0.5 HP 1125 RPM)	Minimum Face Width (L): DESIGN A 10.83" DESIGN B = 11.81"											WEIGHT = 37.50 LBS. @ L=13.78"		
V (ft/min)	62	*32	*25											
NLV (ft/min)	69	36	28											
BP (lbs)	266	513	653											
T' lbs.	56	108	138											
WITH 0.25" LAGGING														
V (ft/min)	68	*35	*28											
NLV (ft/min)	76	39	30											
BP (lbs)	242	467	594											
T' lbs.	56	108	138											
TM127 - 805 (0.5 HP 850 RPM)	Minimum Face Width (L): DESIGN A = 11.81" DESIGN B = 13.78"											WEIGHT = 44.10 LBS. @ L=13.78"		
V (ft/min)	64	48	41	*29	*24	*19	**5	**4	**4	**3				
NLV (ft/min)	71	53	45	32	27	21	6	5	4	3				
BP (lbs)	257	343	404	576	684	767	767	767	767	767				
T' lbs.	54	72	85	121	144	159	159	159	159	159				
WITH 0.25" LAGGING														
V (ft/min)	71	53	45	*32	*26	*21	**6	**4	**4	**3				
NLV (ft/min)	78	59	50	35	29	23	7	5	4	3				
BP (lbs)	234	312	368	524	623	767	767	767	767	767				
T' lbs.	54	72	85	121	144	159	159	159	159	159				
TM127 - 434 (0.34 HP 1740 RPM)	Minimum Face Width (L): DESIGN A = 9.84" DESIGN B = 10.83"							WEIGHT = 35.30 LBS. @ L=13.78"						
V (ft/min)	315	236	200	146	110	93	82							
NLV (ft/min)	349	262	222	162	121	103	91							
BP (lbs)	36	48	56	77	102	121	137							
T' lbs.	7	10	12	16	22	25	29							

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

*Slow speed 2 stage planetary gearing, **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 0.84 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.

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SPECIFICATIONS

WITH 0.25" LAGGING

V (ft/min)	346	259	220	161	120	102	90
NLV (ft/min)	383	288	244	178	133	113	100
BP (lbs)	32	43	51	70	93	110	125
T' lbs.	7	10	12	16	22	25	29

TM127 - 834 (0.34 HP 850 RPM) Minimum Face Width (L): DESIGN A = 10.83" DESIGN B = 11.81" WEIGHT = 39.70 LBS. @ L=13.78"

V (ft/min)	64	48	41
NLV (ft/min)	71	53	45
BP (lbs)	175	233	275
T' lbs.	37	49	58

WITH 0.25" LAGGING

V (ft/min)	71	53	45
NLV (ft/min)	78	59	50
BP (lbs)	159	212	250
T' lbs.	37	49	58

TM127 - 1218 (0.18 HP 550 RPM) Minimum Face Width (L): DESIGN A = 11.81" DESIGN B = 13.78" WEIGHT = 44.10 LBS. @ L=13.78"

V (ft/min)	32	27
NLV (ft/min)	36	30
BP (lbs)	185	218
T' lbs.	39	46

WITH 0.25" LAGGING

V (ft/min)	35	30
NLV (ft/min)	39	33
BP (lbs)	168	198
T' lbs.	39	46

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

NOTE: Total weight of the unit increases by 0.84 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.