

Horsepower Determination Chart

For RM, DDF, and ADF Flat Belt Conveyors 3' thru 50' Long and RMC, DDC, and ADC Cleated Belt Conveyors 3' thru 30' Long

Conveyor Length	20 FPM Belt Speed								
	Conveyor Belt Width								
	6"	9"	12"	18"	24"	30"	36"	42"	48"
3'-19'									
20'-23'									
24'-27'									
28'-32'				1/3 HP					
33'-40'									
41'-45'									
46'-49'									
50'									

3 1/2" Diameter Drive Pulley; 150# Maximum load

Conveyor Length	40 FPM Belt Speed								
	Conveyor Belt Width								
	6"	9"	12"	18"	24"	30"	36"	42"	48"
3'-19'									
20'-23'									
24'-27'									
28'-32'				1/3 HP					
33'-40'									
41'-45'									
46'-49'									
50'									1/2 HP

3 1/2" Diameter Drive Pulley; 150# Maximum load

Conveyor Length	80 FPM Belt Speed								
	Conveyor Belt Width								
	6"	9"	12"	18"	24"	30"	36"	42"	48"
3'-19'									
20'-23'									
24'-27'				1/2 HP					
28'-32'									
33'-40'									
41'-45'						3/4 HP			
46'-49'									
50'									1 HP

3 1/2" Diameter Drive Pulley; 150# Maximum load

NOTE: Drives for heavier conveyor loads are readily available, consult our factory for details.

For RMTL Trunkline Conveyors 51' thru 250' Long

Conveyor Length	40 FPM Belt Speed						
	Conveyor Belt Width						
	12"	18"	24"	30"	36"	42"	48"
51'-53'							
54'-62'		1/2 HP					
63'-74'							
75'-78'							
79'-89'							
90'-93'					3/4 HP		
94'-104'							
105'-124'							
125'-126'							
127'-158'							
159'-179'						1 HP	
180'							
6" Diameter Drive Pulley; 250# Maximum load							
181'-229'	3/4 HP						
230'-250'						1 1/2 HP	
8" Diameter Drive Pulley; 300# Maximum load							

Conveyor Length	80 FPM Belt Speed						
	Conveyor Belt Width						
	12"	18"	24"	30"	36"	42"	48"
51'-54'							
55'-59'	1/2 HP						
60'-69'							
70'-81'			3/4 HP				
82'-83'							
84'-85'							
86'-98'					1 HP		
99'-104'							
105'-114'							
115'-137'							
138'-139'							
140'-172'							
173'-179'						1 1/2 HP	
180'							
6" Diameter Drive Pulley; 250# Maximum load							
181'-229'	1 1/2 HP						
230'-250'						2 HP	
8" Diameter Drive Pulley; 300# Maximum load							



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