

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.

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

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

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

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

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

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

For RMTL Trunkline Conveyors 51' thru 250' Long.

40 FPM Belt Speed								
Conveyor Length	Conveyor Belt Width							
	12"	18"	24"	30"	36"	42"	48"	
51'-53'								
54'-62'								
63'-74'								
75'-78'								
79'-89'								
90'-93'								
94'-104'								
105'-124'								
125'-126'								
127'-158'								
159'-179'								
180'								

6" Diameter Drive Pulley; 250# Maximum Load

40 FPM Belt Speed								
Conveyor Length	Conveyor Belt Width							
	12"	18"	24"	30"	36"	42"	48"	
181'-229'								
230'-250'								

8" Diameter Drive Pulley; 300# Maximum Load

80 FPM Belt Speed								
Conveyor Length	Conveyor Belt Width							
	12"	18"	24"	30"	36"	42"	48"	
51'-54'								
55'-59'								
60'-69'								
70'-81'								
82'-83'								
84'-85'								
86'-98'								
99'-104'								
105'-114'								
115'-137'								
138'-139'								
140'-172'								
173'-179'								
180'								

6" Diameter Drive Pulley; 250# Maximum Load

80 FPM Belt Speed								
Conveyor Length	Conveyor Belt Width							
	12"	18"	24"	30"	36"	42"	48"	
181'-229'								
230'-250'								

8" Diameter Drive Pulley; 300# Maximum Load

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