

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.

20FPM 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

40FPM 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

80FPM 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.

40FPM 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

40FPM 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

80FPM 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

80FPM 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 EMI for details.