

APPLICATION WORKSHEET - BULK MATERIALS HANDLING

IVI	Otori		uPu	ווג	ey5						
Con	nplete this	form	n and sub	mit '	to Rulmeca	for a	power calculation and Mo	otorized Pulley	/ recor	mmendation.	
Contact Person							Date				
Phone Fax							E				
Standard Loading Conditions: Conveyor Length (ft) Tonnage Rate (tph) Belt Speed (fpm) Material Lift Height (ft) Ambient Temperature (°F) Min Ambient Temperature (°F) Max Initial Velocity of Material (fpm) Number of Belt Cleaners Number of Belt Plows Length of Skirt Zone (ft) Depth of Material in Skirt Zone (in) Number of Non-driven Pulleys						000000000000000000000000000000000000000	ashes, coal, dry bauxite, ground cement, Portland, dry cement clinker clay, ceramic, dry fines coal, bituminous mined coke, ground fine cullet (broken glass) grains, wheat, corn, rye gravel, bank run iron ore, 200 lbs/cu ft limestone, pulverized dry phosphate rock, dry salt, common, dry fine sand, dry, bank wood chips	0.0571 0.1881 0.2120 0.1228 0.0924 0.0754 0.0452 0.0836 0.0433 0.1145 0.2760 0.1280 0.1086 0.0814 0.1378 0.0095	Operating Conditions: Duty Cycle (Start/stops per hour) Hours of Operation (hrs/day) Days of Operation (days/week) Is this a reversing belt? Additional Comments: Special Loading Conditions: Hopper Feeder Parameters: Hopper Opening Width (in) Hopper Opening Length (in)		
Elevation Idler Roll Type of (ft) Diam. (in) Lagging							Material Bulk Density		110	oper Operling Length (in)	
	3,300 5,000		3 4		Full Partial		ashes, coal, wet	50		der Bed Parameters: ler Bed Length (ft)	
	6,600		5 6		None		bagasse bark, wood	10 20		Slider Bed Material	
Belt Width		CEMA		Type of			bauxite, ground, dry bauxite, crushed	68 85		(frictional coefficient)	
	(in)	•	Туре	Т	ake-up		beans, navy, dry	48		steel 0.90	
	18 24 30		A B C		Automatic Manual		beets, whole borax, 3" & under cement, portland clay, ceramic, dry, fines,	48 70 99 80		urethane 0.88	
	36 42 48		D E Sughing		angle of rap (deg)		clay, dry, fines coal, bituminous coal, lignite coke,	120 55 45 45		lewall & Cleated Belt Parameters:	
	54 60	Idle	r Spac-				corn, ear,	56 120		ewall & cleat height (in)	
	66 72	iı	ng (ft)		180 200		cullet, gravel, bank run,	100		tance between cleats (in)	
	84 96 Other		3.0 3.5 4.0		210 220 240		iron ore, 200 iron ore pellets limestone, crushed paper pulp stock	130 90 60		ckness of cleats (in)	
			4.5 5.0		360		phosphate rock	85		pper Design Parameters: oper Length (ft)	
Type of Belt							potash salts rock, crushed,	80 145		oper Material Lift Height (ft)	
Type of Bell							rock, soft, rye,	110 46	Nur	mber of Tripper Belt Cleaners	
							sale, common dry, fine,	80		oper Skirt Zone Length (ft)	
	3 ply, 330 piw						sand, bank, damp, sand, bank, dry,	130 110		oth of Material in Skirt Zone (in) of Tripper Non-driven Pulleys	
4 ply, 440 piw							sand, foundry, sawdust	100 13	INU.	. or mpper non-anvent uneys	
Belt Carcass							sewage sludge, moist,	55		r free conveyor drive power	
□ fabric steel cord							soybeans, whole, sugar, raw, cane, taconite pellets	50 65 130	wi	Iculation program, complete the definitions of all terminol-	
_	5.551 5510						traprock, 2-3" lumps,	110	oq	y, contact:	

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ogy, contact: sales-us@rulmeca.com.

taconite pellets traprock, 2-3" lumps, wheat, cracked,

wood chips