Mechanical Data

			2-part (lifting)						4-part (lifting)								
Function	Hoist Type	Speed vs Weight	1st Gear	2nd Gear	3rd Gear	4th Gear	5th Gear	6th Gear	1st Gear	2nd Gear	3rd Gear	4th Gear	5th Gear	6th Gear	Motor (hp)	Motor (kW)	Rope Length (ft)
Hoist	75 LVF 40 Optima	ft/min lbs	9 17,637	37 17,637	112 17,637	145 13,228	201 8,818	296 4,409	5 35,274	19 35,274	56 35,274	73 26,455	102 17,637	148 8,818	75	55	2,001
	108 LBR 40	ft/min lbs	125 17,637	198 12,128	318 7,607	505 4,410			63 35,274	100 24,255	159 15,215	253 8,820			108	79	2,854
Trolley	6 DVF 4	ft/min	138 (35,274 lbs) / 276 (17,637 lbs) / 329 (8,818 lbs)												5.5	4.0	
	DV - 9.0	ft/min	285												12	9.0	
Swing	RVF 163 Optima +	rpm	0.70												3 x 7.5	3 x 5.5	
	R - 13	rpm	0.76										Jibs L40 - L50 Jibs L55 - L75		2 x 7.1 3 x 7.1	2 x 5.3 3 x 5.3	

Power Requirements: 480 V (+6% or -10%) 60 Hz measured at turn table.

Amperage: 75 LVF 40: 127 Amp (3 phase service with ground)

Amperage: 108 LBR 40: 157 Amp (3 phase service with ground)

Notes:

1. Hoist speeds with "Optima" hoist units are 25% faster than the speeds listed above when lowering the hook.
2. Values given under "Rope Length" are for drum spooling capacity only.