KNIGHT GLOBAL

KSH Series Power Consumption

Parameters	
Supply Voltage (VAC)	240
Fixture Weight (LBS)	57
Part Weight (LBS)	144
Price per KWH (Cents)	7
Cycles Per Hour (Line Rate)	60
Production Hours per Day	16
Time per cycle to lift empty fixture (Seconds) -- 30in/s Max Speed	3
Time per cycle to lower empty fixture (Seconds) -- 30in/s Max Speed	3
Time per cycle to lift fixture & part (Seconds) -- 19in/s Max Speed	3
Time per cycle to lower fixture & part (Seconds) -- 19in/s Max Speed	3
Idle Hours Per Day	8
Stand-By Time Per Day (Hours) -- Production time in which hoist is holding static weight of fixture	12.8

Color Code
Measured Value
Input Parameter
Calculated Value

Operating Costs Per Day

Mode of Operation	Max Current (A)	Max Power (Watts)	Hours in Mode per Day	KWH Consumed
Sleep Mode (Holding Brake Engaged)	0.27	64.8	8	0.518
Static Lift Mode (Hoist holding fixture weight)	0.47	112.8	12.8	1.444
Lifting Empty Fixture	5.4	1296	0.8	1.037
Lowering Empty Fixture	2	480	0.8	0.384
Lifting Fixture & Part	6	1440	0.8	1.152
Lowering Fixture & Part	0.25	60	0.8	0.048
			Total KWH Per Day	4.583

Operating Costs Per Day	
KWH Per Day	4.58
Cost Per Day	$0.32