# UNDERSTANDING THE RELATIONSHIP BETWEEN MOTOR CAPACITY AND THE TYPE OF STIRRUP USED IN A JOB

| MOTOR CAPACITY RATING 100% 1,000 LBS. | MOTOR CAPACITY RATING 100% 1,000 LBS. | MOTOR CAPACITY RATING 100% 1,000 LBS. | MOTOR CAPACITY RATING 100% 1,000 LBS. |
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| **PASSBY STIRRUP**<br>0% LOSS<br><br>0 LBS.<br><br>EFFECTIVE MOTOR LIFTING CAPACITY<br>100%<br><br>1,000 LBS. | **ENDSTIRRUP**<br>0% LOSS<br><br>0 LBS.<br><br>EFFECTIVE MOTOR LIFTING CAPACITY<br>100%<br><br>1,000 LBS. | **LOW PROFILE STIRRUP**<br>20%-30% LOSS<br><br>200-300 LBS.<br><br>EFFECTIVE MOTOR LIFTING CAPACITY<br>70%-80%<br><br>700-800 LBS. | **WALK-THRU STIRRUP**<br>20%-30% LOSS<br><br>200-300 LBS. LOSS<br><br>EFFECTIVE MOTOR LIFTING CAPACITY<br>70%-80%<br><br>700-800 LBS. |

## EXAMPLE

1 30' Modular Platform with Walk-Thru Stirrups : Weight is 1,100 lbs.
2 Men : Weight is 500 lbs.
Total : 1,600 lbs.

2 x1000 lbs hoists with Walk-Thru Stirrups : 2000 lbs x 70% capacity (30% loss) = 1,400 lbs.

YOU ARE UNDER CAPACITY!!!!

SwingStaging
A SAFWAY Group Company
25-20 BORDEN AVE., , Long Island City, NY 11101 Tel 718 361-2861 www.swingstaging.com