



# ***WEEK 6 LEADERS***

***DECEMBER 6-DECEMBER 12***

# **LEADERBOARD EXPLAINED**

***Thursday nights we generate a report from the previous seven days. Averages are calculated from the total amount of recorded swings in those seven days. The data is populated through our Blast Motion cloud portal and includes all players who are registered inside the organizations account.***



***ANNOTATION FOR SWING LEADERS***



***ANNOTATION FOR PLAYERS WHO RECORDED 200+ SWINGS***

***50+***

***PLAYERS MUST HAVE 50+ SWINGS RECORDED TO MAKE A LEADERBOARD***

# **METRICS EXPLAINED**

## **BAT SPEED**

*The observed speed of the sweet spot of the bat at impact. The sweet spot of the bat is measured six inches from the tip of the bat.*

## **PEAK HAND SPEED**

*the observed maximum speed as measured on the handle of the bat (measured six inches from the knob of the bat). Peak Hand Speed will occur prior to the moment of impact, very close to the commit time in the swing when the wrists unhinge.*

## **ROTATIONAL ACCELERATION**

*It measures how quickly your bat accelerates into the swing plane. Rotation is a good indicator of how you build bat speed by sequencing properly vs. pulling the bat with your hands. The quicker your rotational acceleration, the more power you will have.*

## **POWER**








*The average Power generated during the swing is found from the effective mass of the bat, the Bat Speed at impact, and the average acceleration during the downswing. Power is measured in Watts. Higher Power is achieved when a hitter is able to swing a heavier bat and accelerate it to higher speeds.*

# SWING TOTALS



## LEADERS

## AMT OF SWINGS




<b>1. EDDIE HACKER</b>	 <b>944</b>
<b>2. OWEN POWERS</b>	 <b>841</b>
<b>3. ETHAN MILAM</b>	 <b>610</b>
<b>4. CHRISTOPHER PELLIGREEN</b>	 <b>428</b>
<b>5. RYAN CARNINE</b>	 <b>374</b>
<b>6. CHARLIE BERRY</b>	 <b>351</b>
<b>7. MOLLY CALLIHAN</b>	 <b>321</b>
<b>8. JONAH SCHMERSAHL</b>	 <b>292</b>
<b>9. IAN COYNE</b>	 <b>248</b>
<b>10. JACOB STURM</b>	 <b>245</b>

# AVERAGE POWER (KW)<sup>(\*)</sup>



## LEADERS

## KILOWATTS

<b>1. TOMMY MOHAN</b>		<b>4.20</b>
<b>2. CHARLIE BERRY</b>		<b>4.07</b>
<b>3. BRYAN RUMPING</b>		<b>4.07</b>
<b>4. ETHAN LINDEMANN</b>		<b>3.76</b>
<b>5. PEARSE REAGAN</b>		<b>3.60</b>
<b>6. AIDEN CIZEK</b>		<b>3.34</b>
<b>7. MICHAEL LOLLEY</b>		<b>3.28</b>
<b>8. TRIPP JOHNS</b>		<b>3.21</b>
<b>9. LUKE ALLEN</b>		<b>3.18</b>
<b>10. EVAN ABERCROMBIE</b>		<b>3.12</b>

(\*) THE AVERAGE POWER GENERATED DURING THE SWING IS FOUND FROM THE EFFECTIVE MASS OF THE BAT, THE BAT SPEED AT IMPACT, AND THE AVERAGE ACCELERATION DURING THE DOWNSWING.





# AVERAGE BAT SPEED



## LEADERS

## MPH





1. <b>TOMMY MOHAN</b>		<b>70.2</b>
2. <b>CHARLIE BERRY</b>		<b>69.3</b>
3. <b>BRYAN RUMPING</b>		<b>68.9</b>
4. <b>ETHAN LINDEMANN</b>		<b>66.3</b>
5. <b>PEARSE REAGAN</b>		<b>64.6</b>
6. <b>MICHAEL LOLLEY</b>		<b>63.3</b>
7. <b>LUKE ALLEN</b>		<b>63.3</b>
8. <b>AIDEN CIZEK</b>		<b>62.6</b>
9. <b>JUSTIN COLEMAN</b>		<b>62.1</b>
10. <b>ALEX GITT</b>		<b>60.6</b>

# AVERAGE ROTATIONAL ACCELERATION



## LEADERS

## G-FORCE

<b>1. OWEN POWERS</b>	 <b>26.0</b>
<b>2. ISAAC LEMANSKI</b>	<b>19.4</b>
<b>3. CHRISTOPHER PELLIGREEN</b>	 <b>17.5</b>
<b>4. ASHER SINK</b>	<b>16.4</b>
<b>5. ETHAN LINDEMANN</b>	<b>16.3</b>
<b>6. PEARSE REAGAN</b>	<b>15.6</b>
<b>7. JACK KNOESEL</b>	 <b>15.4</b>
<b>8. BRYAN RUMPING</b>	<b>15.2</b>
<b>9. CHARLIE BERRY</b>	 <b>15.1</b>
<b>10. ALEX GITT</b>	<b>15.1</b>





G-Force (G's) The force generated from impact (or magnitude of linear acceleration vector) created during a landing or fall.

# PEAK HAND SPEED



## LEADERS

## AVG MPH

<b>1. ETHAN LINDEMANN</b>	<b>22.9</b>
<b>2. BRYAN RUMPING</b>	<b>22.5</b>
<b>3. CHARLIE BERRY</b>	 <b>21.3</b>
<b>4. PEARSE REAGAN</b>	<b>20.9</b>
<b>5. TRIPP JOHNS</b>	<b>20.9</b>
<b>6. ASHER SINK</b>	<b>20.3</b>
<b>7. CHRISTOPHER PELLIGREEN</b>	 <b>20.1</b>
<b>8. TOMMY MOHAN</b>	<b>20.1</b>
<b>9. MICHAEL LOLLEY</b>	 <b>20.0</b>
<b>10. OWEN POWERS</b>	 <b>19.8</b>