

# ***GPS Study Update***

## GPS use in Premiership Games

- *Premiership games 112*
- *GPS worn in 54 games*
- *101 players*

## Data Set

*n = 304 GPS files*

*Based on the average per position – median  
(non parametric)*

*Players starting the match*

## Significant Differences between Forwards and Backs

Time on Pitch

Total Distance covered (km)

m.min<sup>-1</sup>

% of total distance covered  $\leq 12 \text{ km.h}^{-1}$

Distance covered  $\geq 18 \text{ km.h}^{-1}$

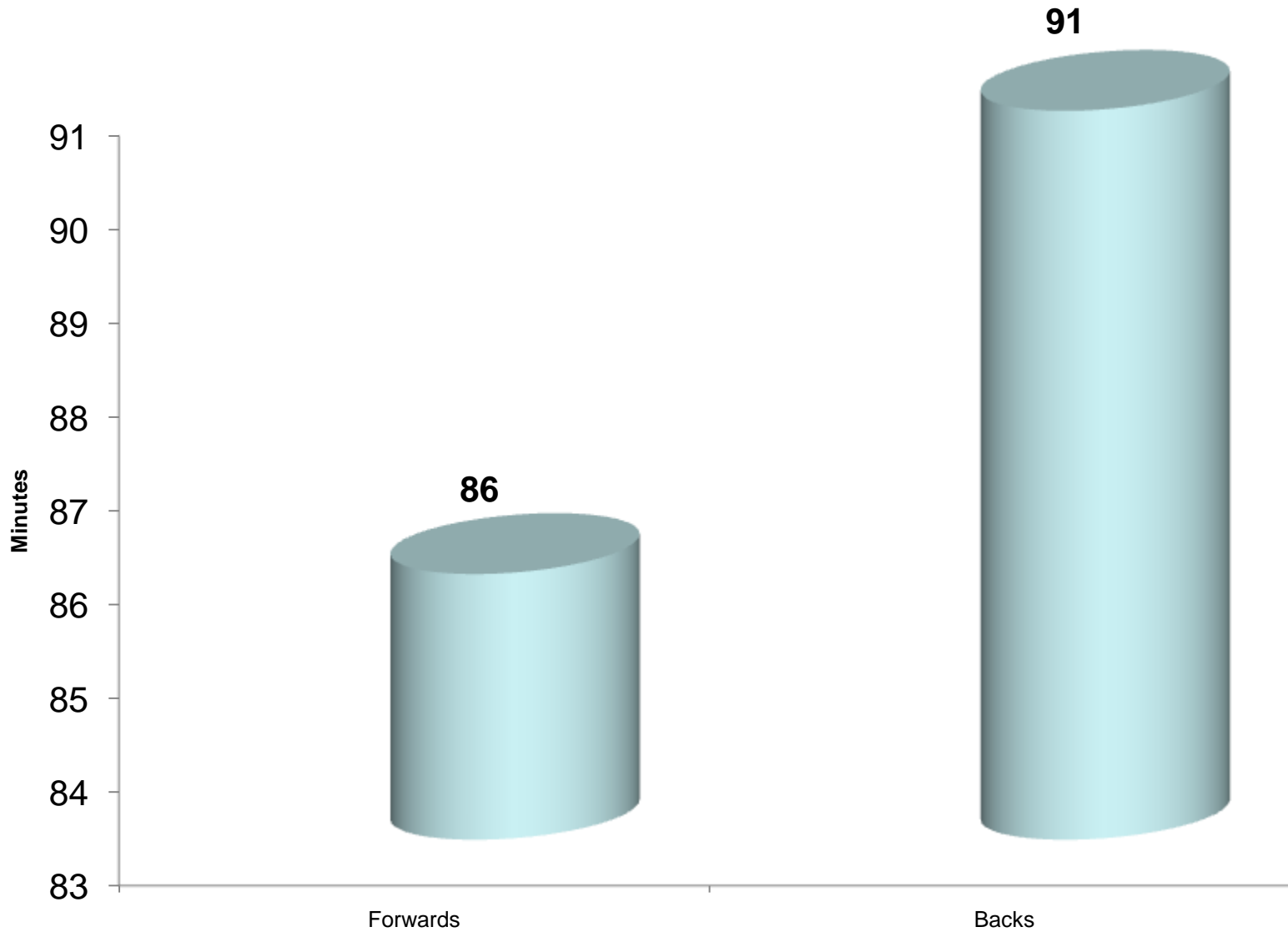
% of total distance covered  $\geq 18 \text{ km.h}^{-1}$

Maximum Speed

Average Speed

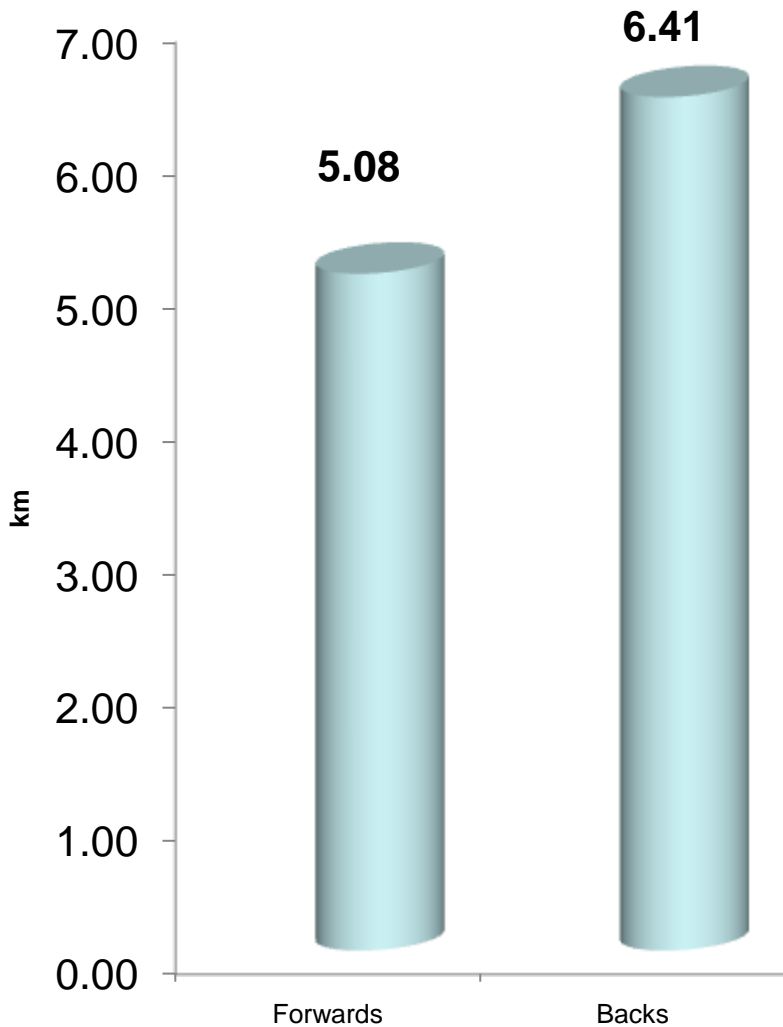
# Forwards v Backs

## Time on Pitch

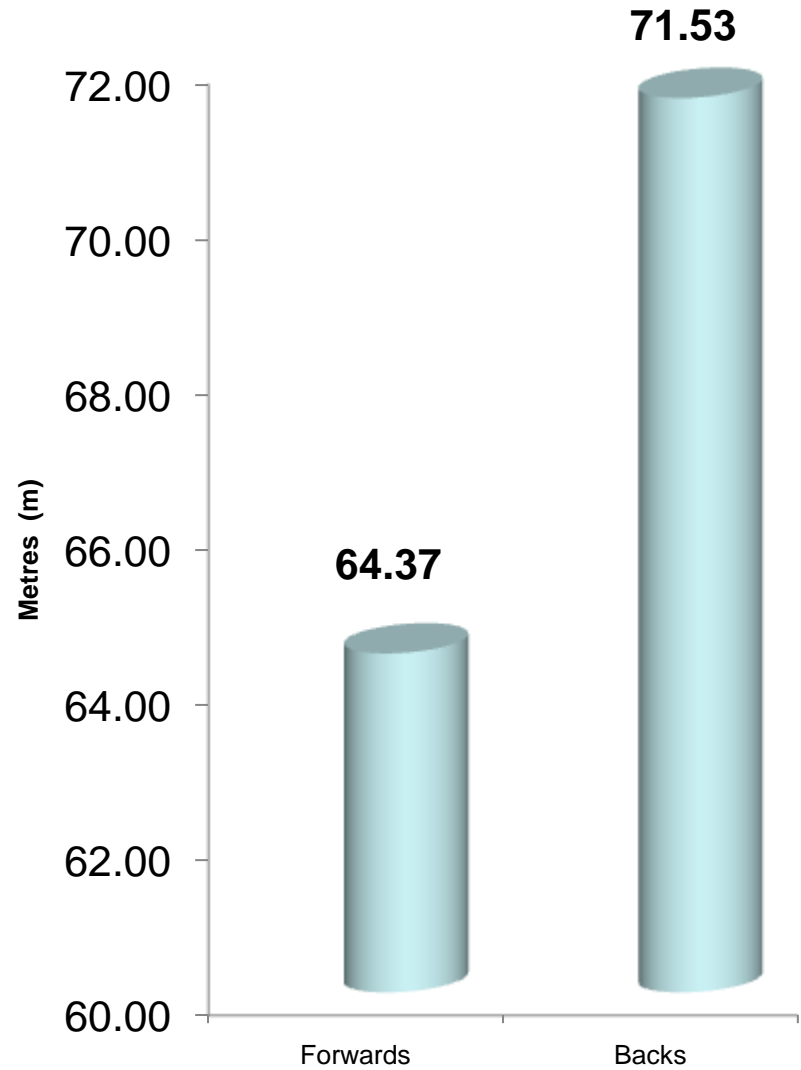


# Forwards v Backs

## Total Distance Covered



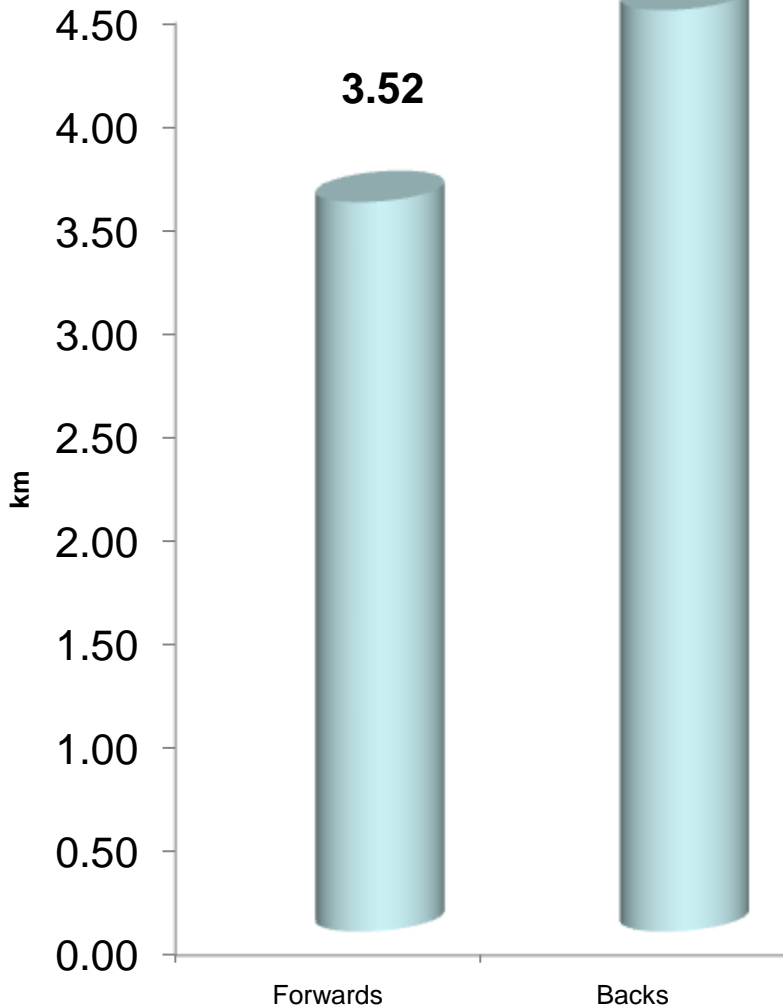
## Meters / Minute



# Forwards v Backs

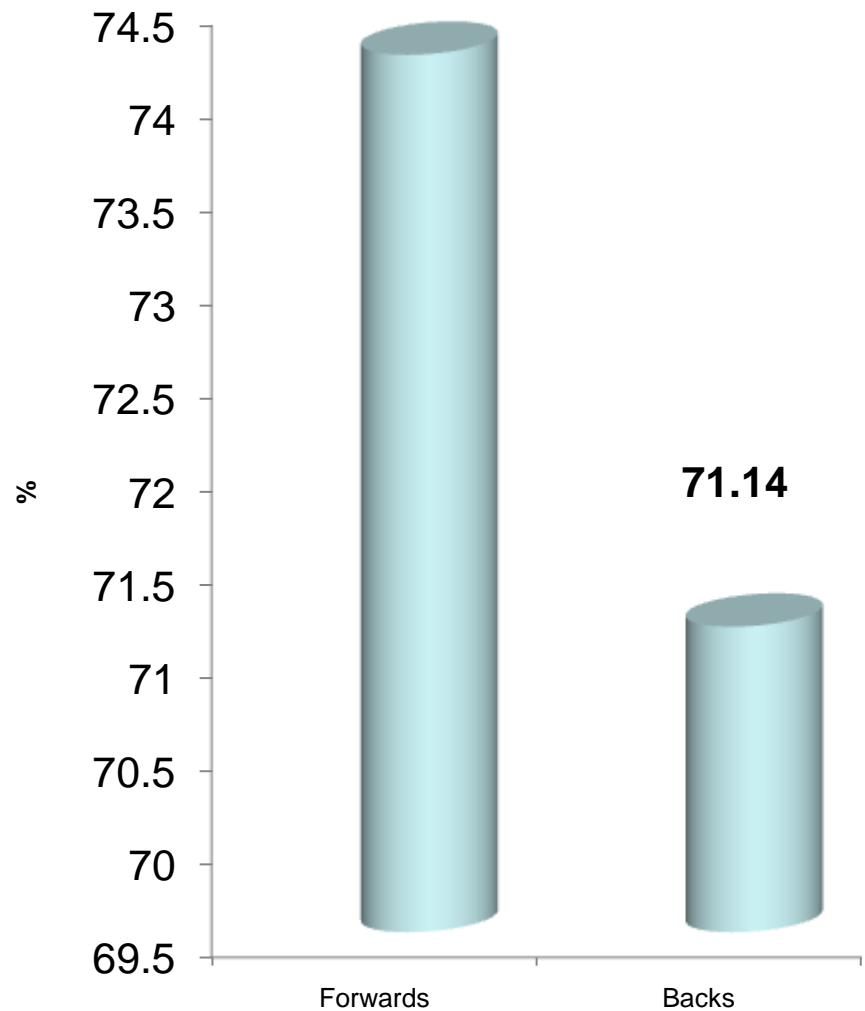
Distance covered  $\leq 12 \text{ km.h}^{-1}$

4.45



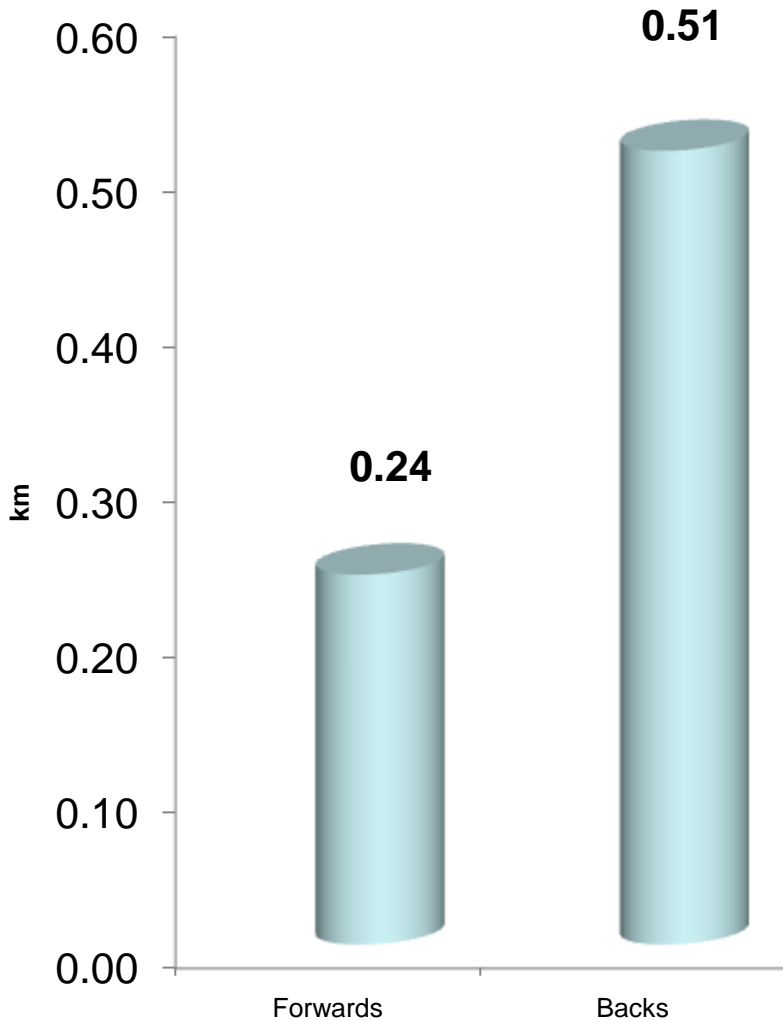
% of Total Distance  $\leq 12 \text{ km.h}^{-1}$

74.21

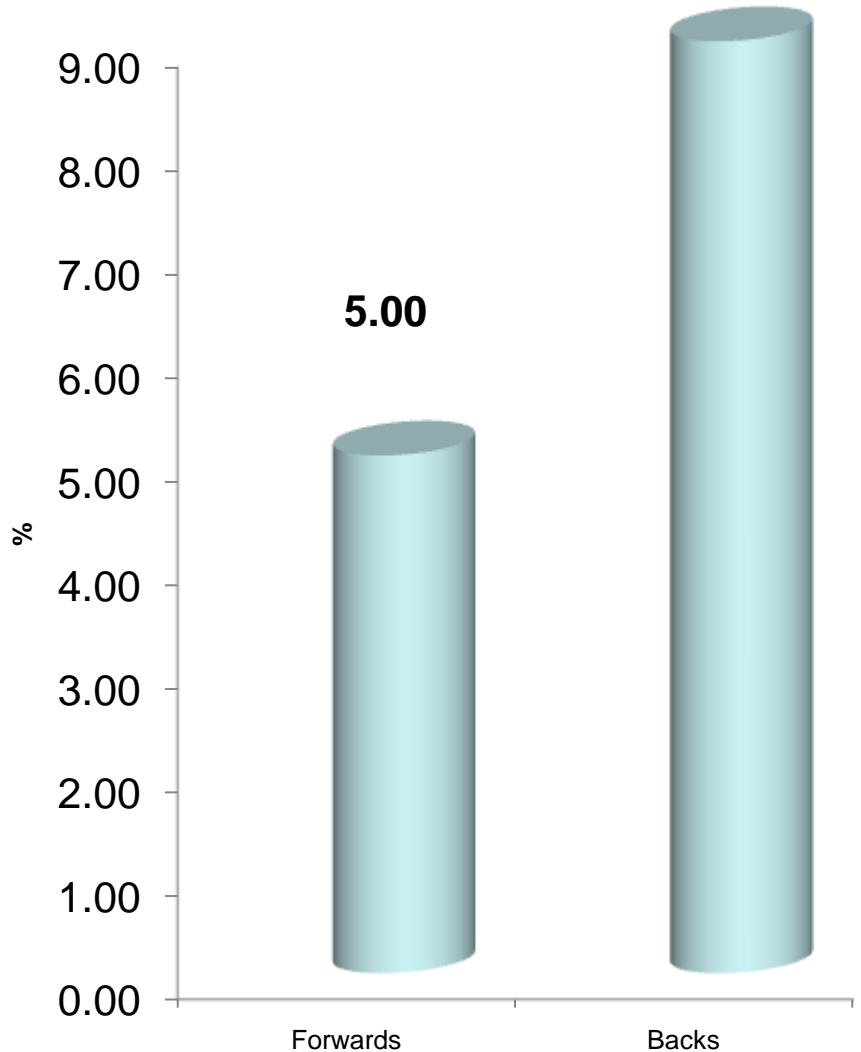


# Forwards v Backs

Distance covered  $\geq 18 \text{ km.h}^{-1}$

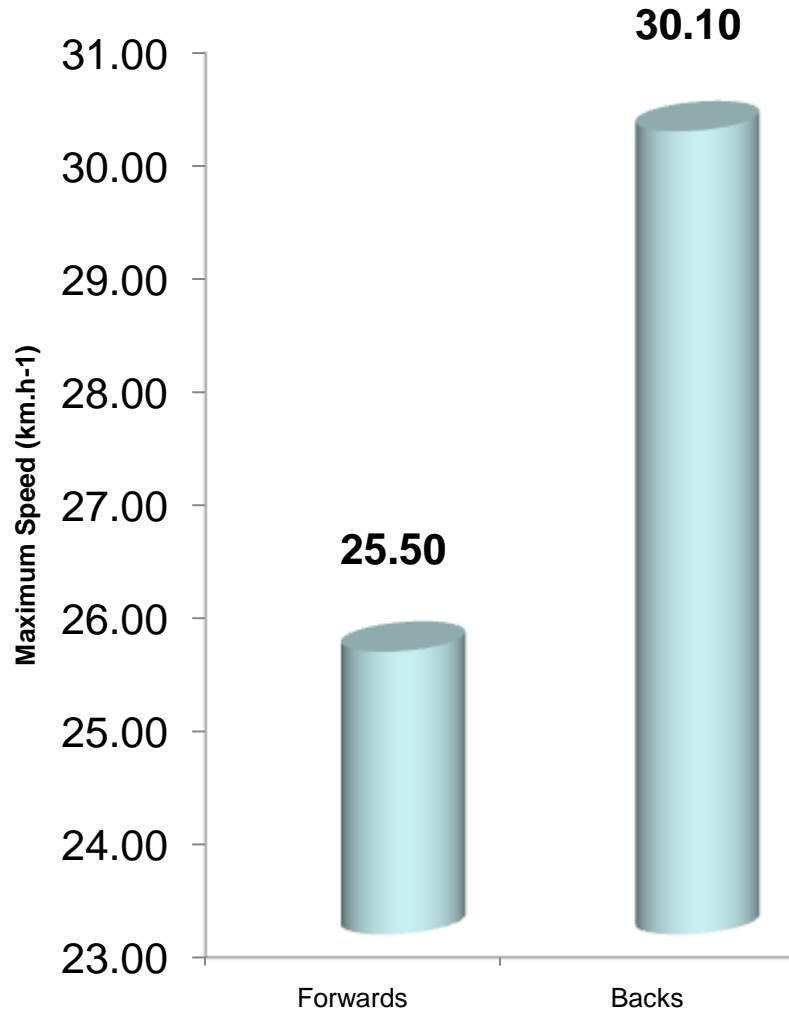


% of Total Distance  $\geq 18 \text{ km.h}^{-1}$   
9.00

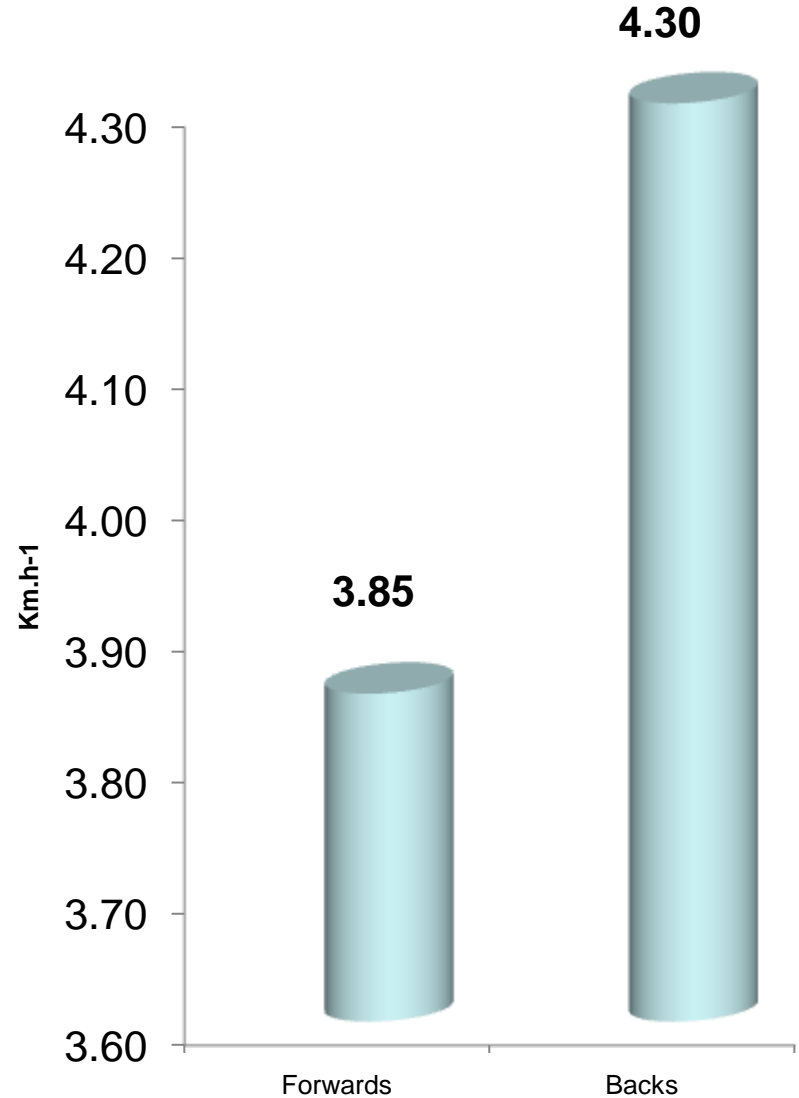


# Forwards v Backs

## Max Speed



## Average Speed



## Significant Differences between 6 positional groups

Time on Pitch

Total Distance covered (km)

m.min<sup>-1</sup>

% of total distance covered  $\leq 12$  km.h<sup>-1</sup>

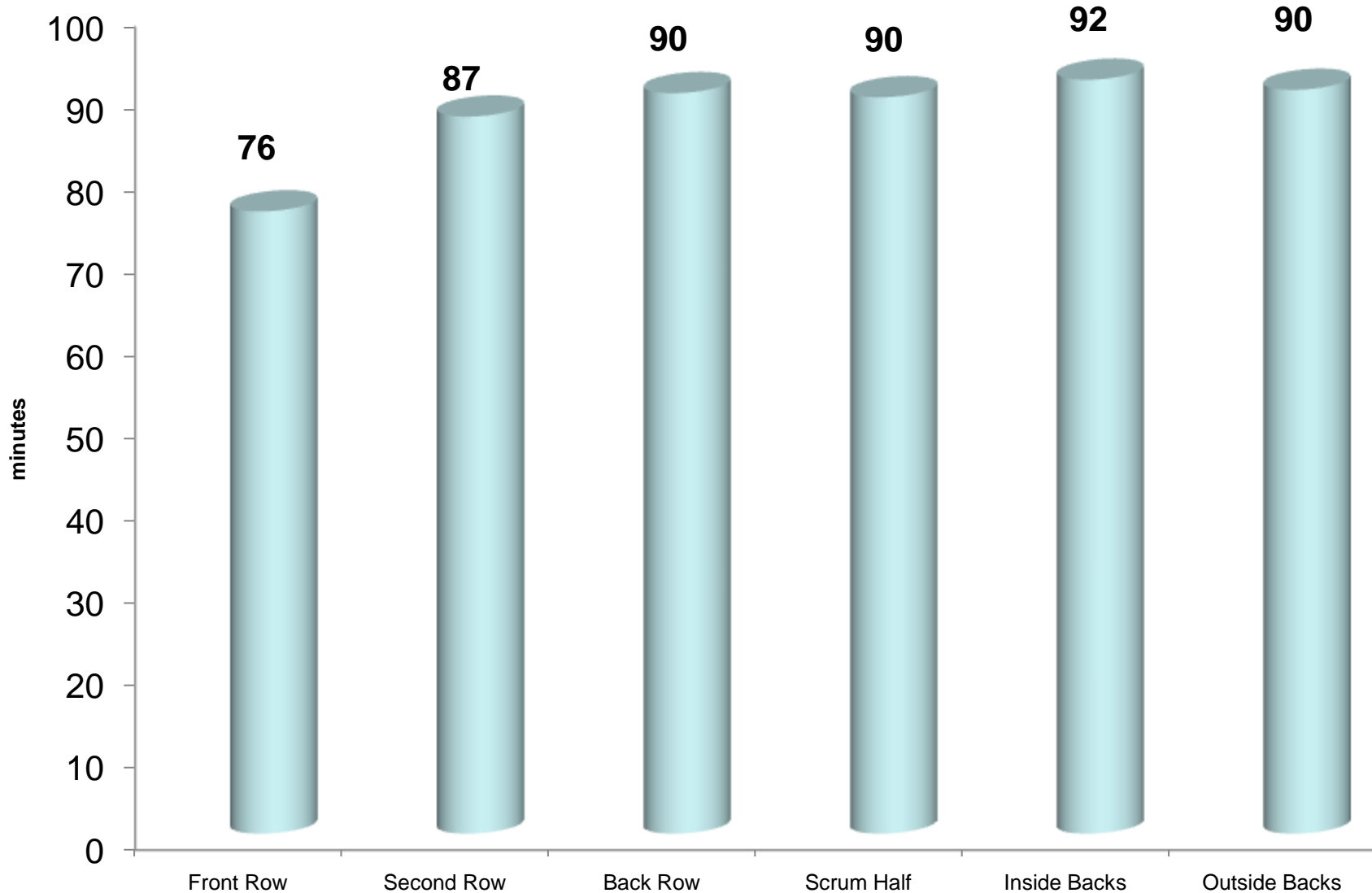
Distance covered  $\geq 18$  km.h<sup>-1</sup>

% of total distance covered  $\geq 18$  km.h<sup>-1</sup>

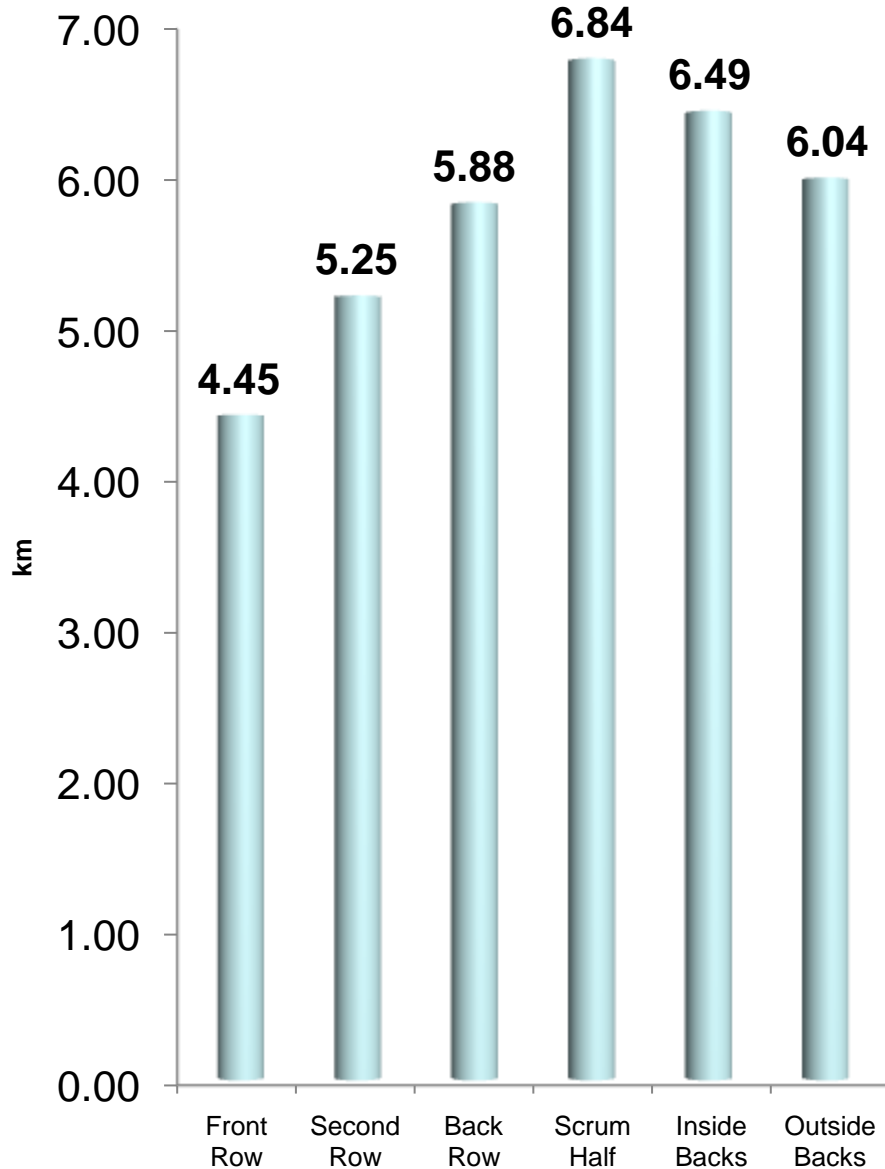
Maximum Speed

Average Speed

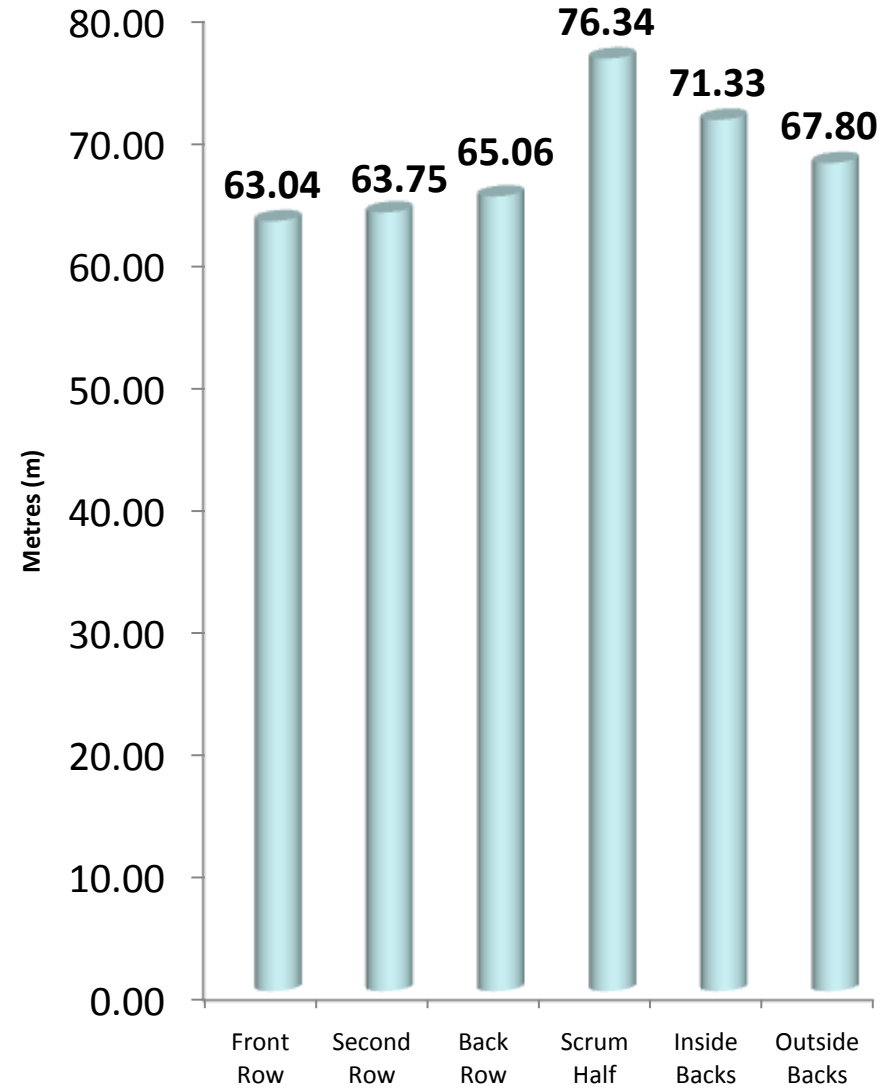
## Time on Pitch



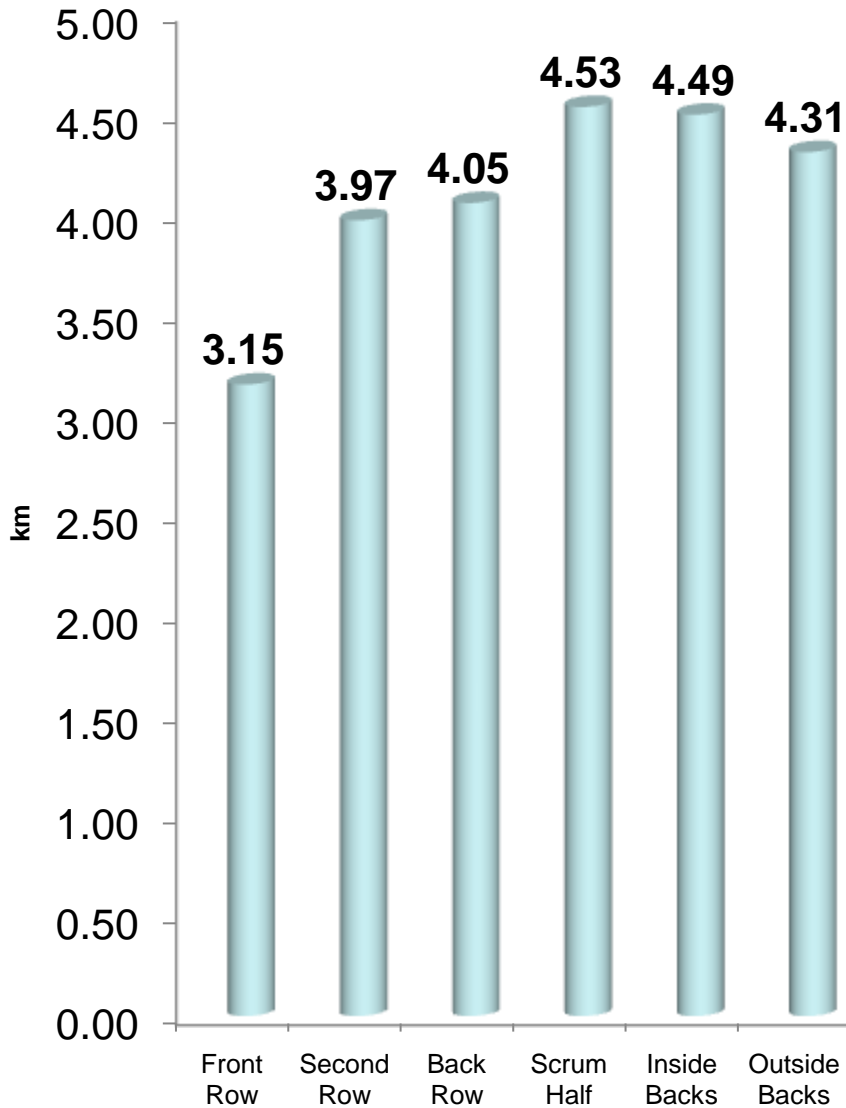
## Total Distance



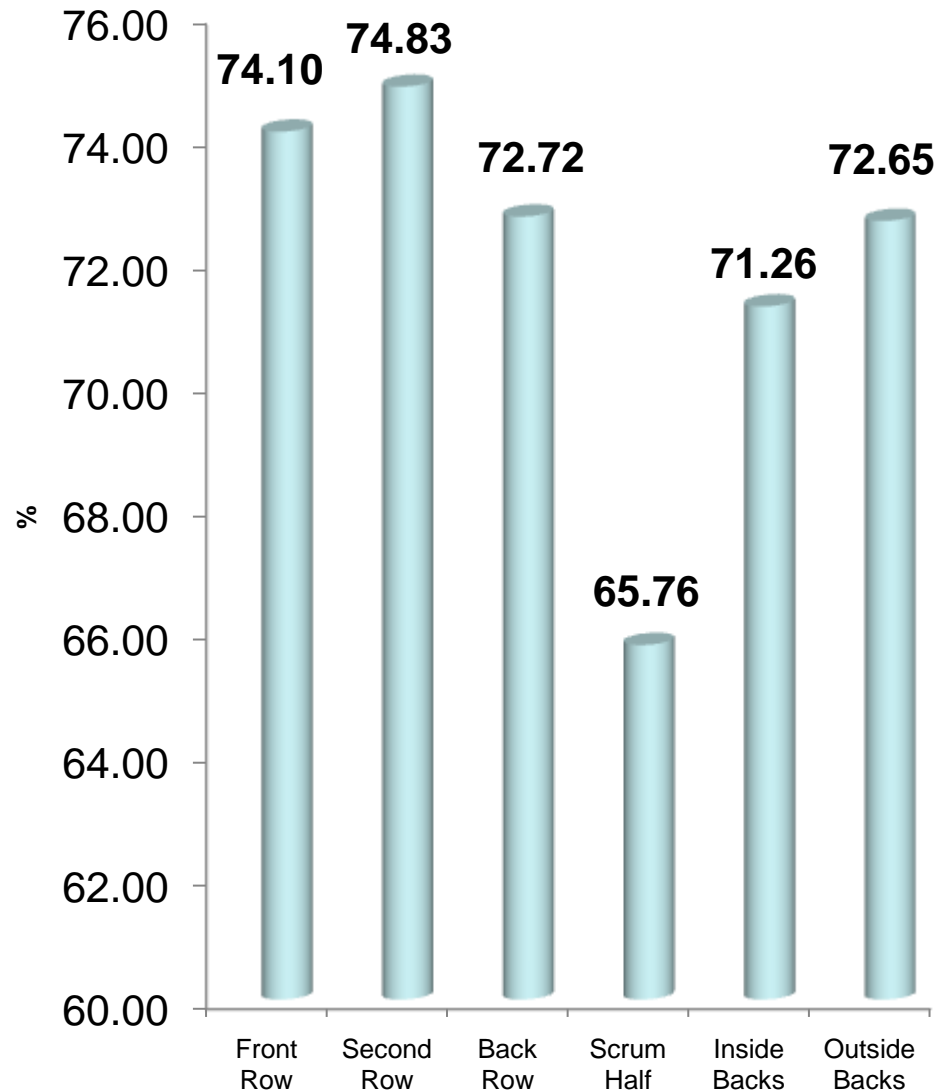
## Meters / Minute



Distance covered  $\leq 12 \text{ km.h}^{-1}$

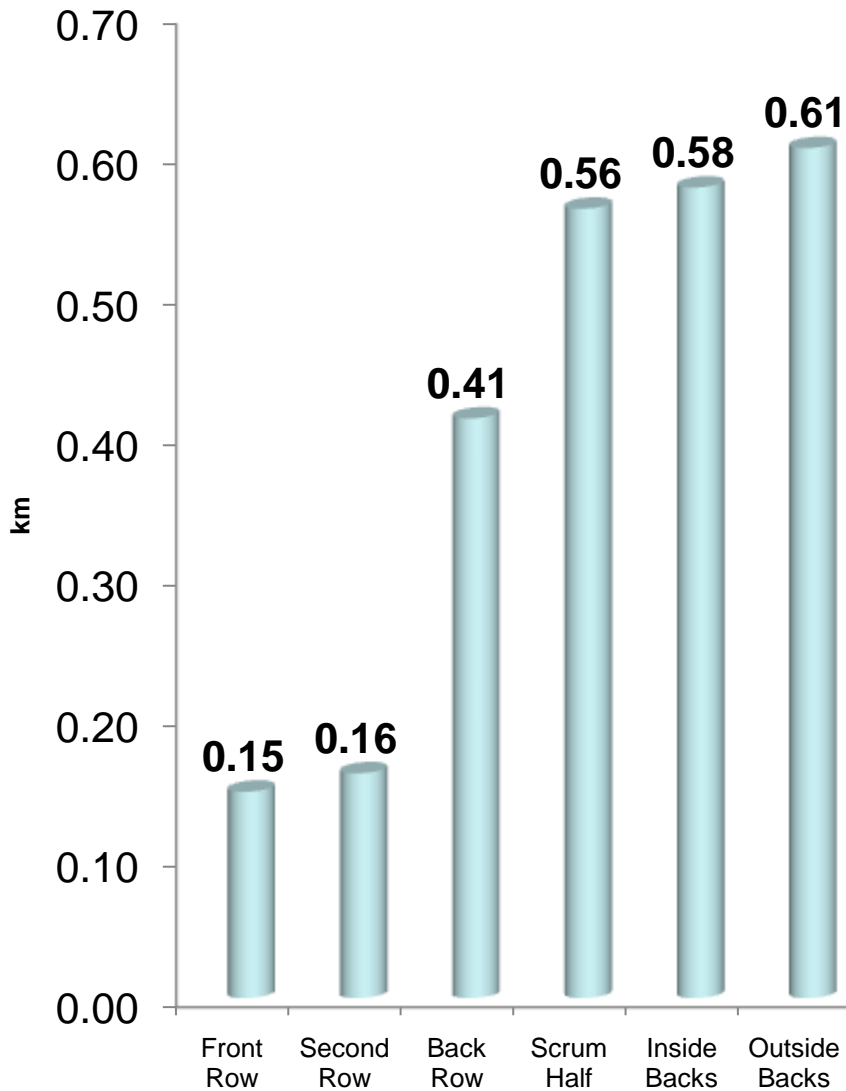


% of Total Distance covered  $\leq 12 \text{ km.h}^{-1}$

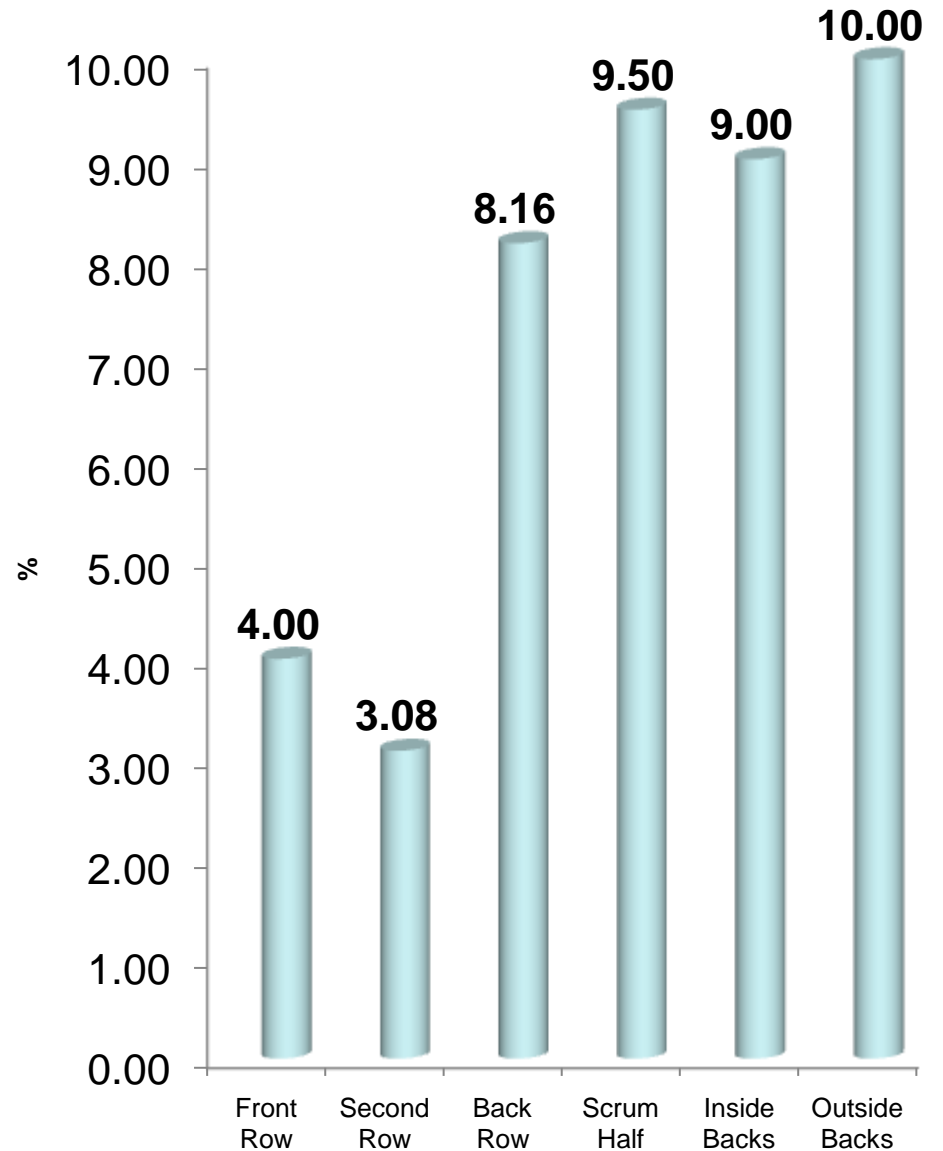


# Positional Group Analysis

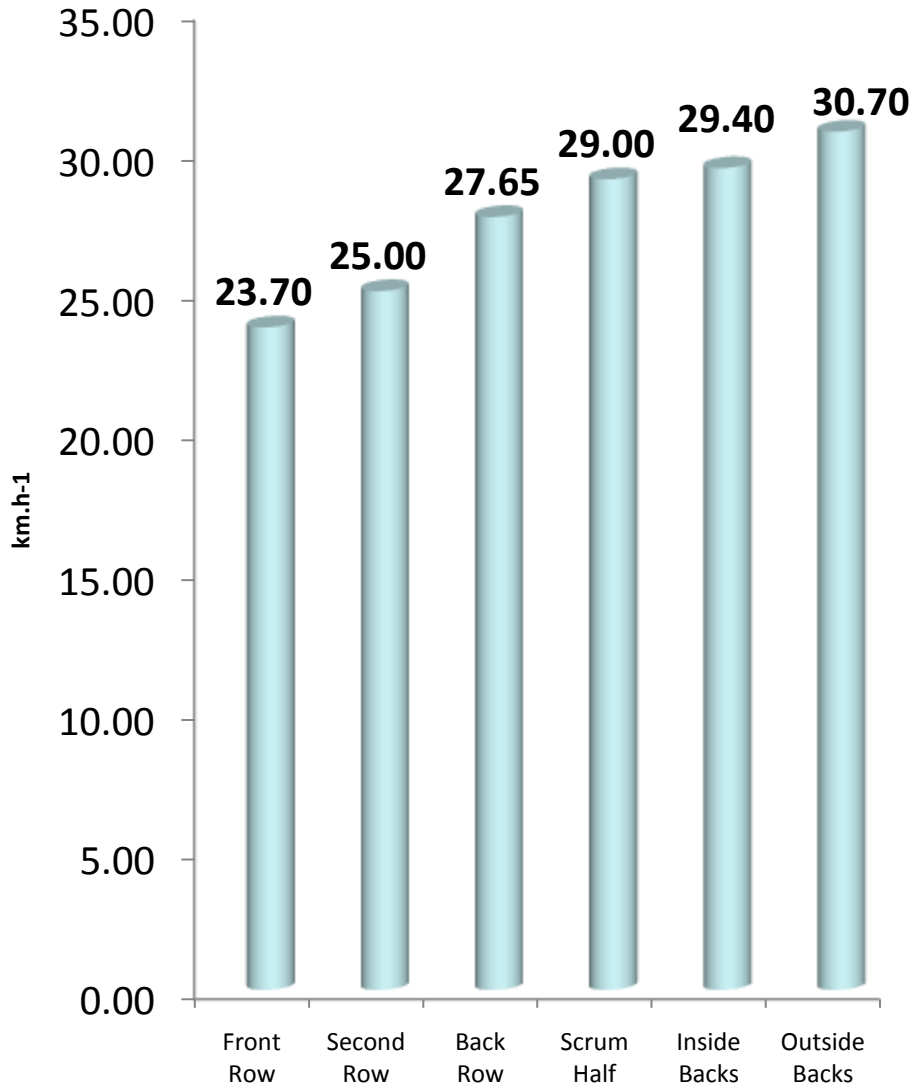
Distance covered  $\geq 18 \text{ km.h}^{-1}$



% of Total Distance covered  $\geq 18 \text{ km.h}^{-1}$



## Maximum Running Speed



## Average Running Speed

