

# TYRE PRESSURE RECOMMENDATIONS

March, 2022


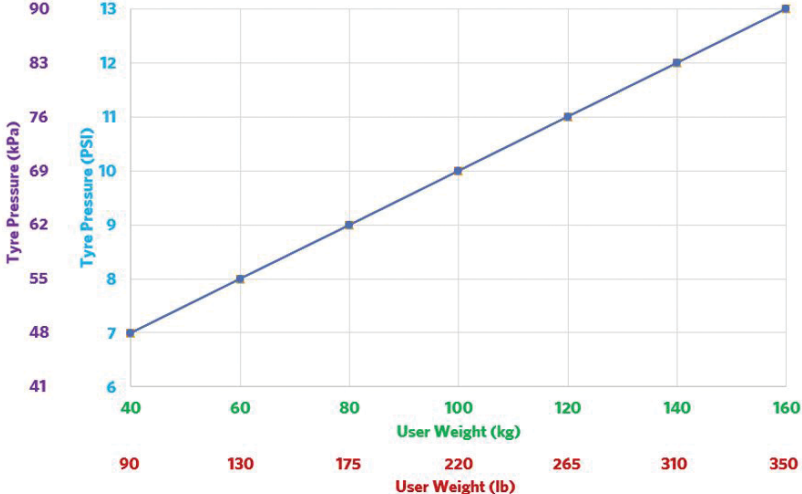


Under inflated tyres can leave them prone to puncture and decrease your powerchair's range. Over inflated tyres can also be dangerous and cause tyres to explode which may result in injury. The maximum recommended tyre pressure is also recorded on the sidewall of the tyre, however Magic Mobility's recommended maximum pressure is shown in the chart below. Uneven tyre pressure can cause your powerchair to veer to one side.


Tyre pressure should be checked weekly. All pneumatic tyres are fitted with automotive type valves and can be inflated using most typical automotive hand and foot pumps. Never use service station air outlets. Failure to use the correct inflation pressure can result in reduced performance or negatively impact your safety.

Lower drive wheel tyre pressure will provide greater traction in mud and on looser surfaces such as gravel. When driving on firmer surfaces, off-road tyre pressure may be increased according to the charts below and depending upon user weight, preferences and driving capability.


## Magic 360 off-road drive wheels

Tyre description	Magic Mobility recommended optimum operating pressures	Maximum pressure according to tyre capacity																																
<p>145/70-6</p> 	 <table border="1"> <caption>Magic Mobility recommended optimum operating pressures</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>90</td> <td>7</td> <td>7</td> </tr> <tr> <td>60</td> <td>130</td> <td>8</td> <td>8</td> </tr> <tr> <td>80</td> <td>175</td> <td>9</td> <td>9</td> </tr> <tr> <td>100</td> <td>220</td> <td>10</td> <td>10</td> </tr> <tr> <td>120</td> <td>265</td> <td>11</td> <td>11</td> </tr> <tr> <td>140</td> <td>310</td> <td>12</td> <td>12</td> </tr> <tr> <td>160</td> <td>350</td> <td>13</td> <td>13</td> </tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	7	7	60	130	8	8	80	175	9	9	100	220	10	10	120	265	11	11	140	310	12	12	160	350	13	13	<p>24 psi 165 kPa</p>
User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)																															
40	90	7	7																															
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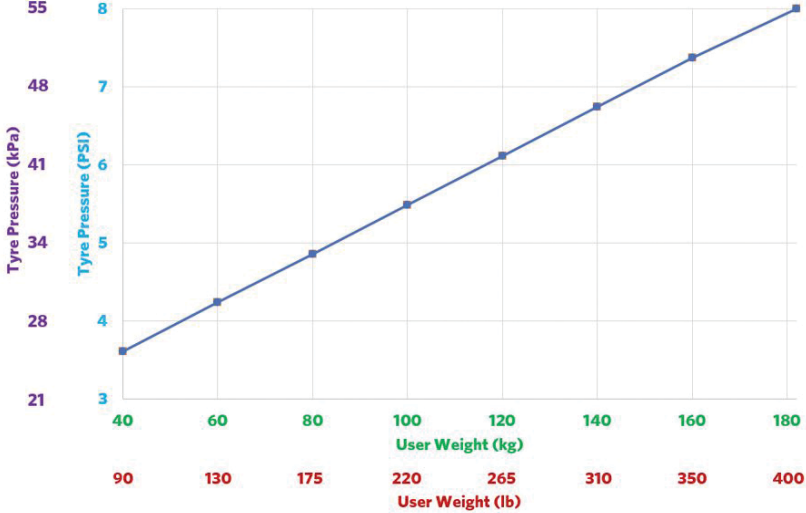
## Magic 360 and Frontier V6/V4 crossover drive wheels

Tyre description	Magic Mobility recommended optimum operating pressure	Maximum pressure according to tyre capacity																																
<p>5.30/4.50-6</p> 	<table border="1"> <caption>Recommended Optimum Operating Pressure Data for 5.30/4.50-6</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>12</td><td>12</td></tr> <tr><td>60</td><td>130</td><td>14</td><td>14</td></tr> <tr><td>80</td><td>175</td><td>16</td><td>16</td></tr> <tr><td>100</td><td>220</td><td>18</td><td>18</td></tr> <tr><td>120</td><td>265</td><td>20</td><td>20</td></tr> <tr><td>140</td><td>310</td><td>22</td><td>22</td></tr> <tr><td>160</td><td>350</td><td>24</td><td>24</td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	12	12	60	130	14	14	80	175	16	16	100	220	18	18	120	265	20	20	140	310	22	22	160	350	24	24	<p>38 psi 262 kPa</p>
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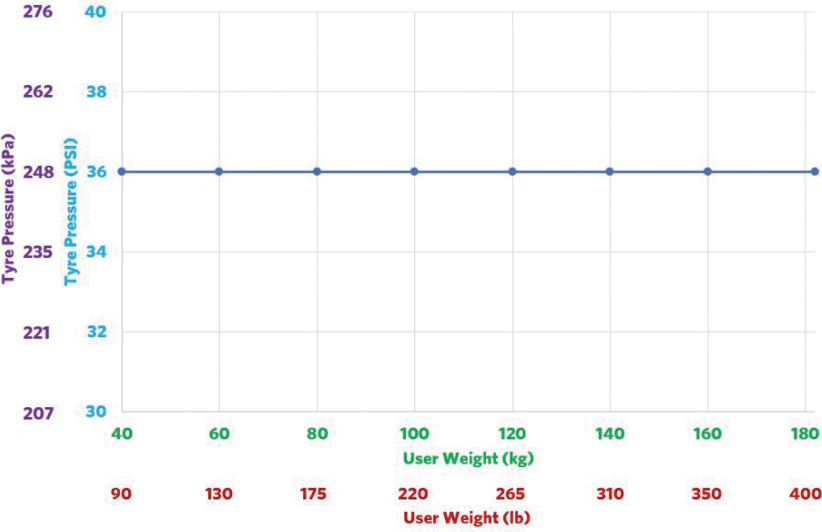
## Magic 360 urban drive wheels and Frontier V6/V4 hybrid drive wheels

Tyre description	Magic Mobility recommended optimum operating pressure	Maximum pressure according to tyre capacity																																
<p>3.00-8 (14 x 3)</p> 	<table border="1"> <caption>Recommended Optimum Operating Pressure Data for 3.00-8 (14 x 3)</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>25</td><td>25</td></tr> <tr><td>60</td><td>130</td><td>29</td><td>29</td></tr> <tr><td>80</td><td>175</td><td>31</td><td>31</td></tr> <tr><td>100</td><td>220</td><td>35</td><td>35</td></tr> <tr><td>120</td><td>265</td><td>39</td><td>39</td></tr> <tr><td>140</td><td>310</td><td>43</td><td>43</td></tr> <tr><td>160</td><td>350</td><td>45</td><td>45</td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	25	25	60	130	29	29	80	175	31	31	100	220	35	35	120	265	39	39	140	310	43	43	160	350	45	45	<p>50 psi 345 kPa</p>
User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)																															
40	90	25	25																															
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## Frontier V6/V4 and Extreme X8 off-road drive wheels

Tyre description	Magic Mobility recommended optimum operating pressures	Maximum pressure according to tyre capacity																																				
<p>145/70-6</p> 	 <table border="1"> <caption>Magic Mobility recommended optimum operating pressures for 145/70-6</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>28</td><td>4.1</td></tr> <tr><td>60</td><td>130</td><td>34</td><td>4.9</td></tr> <tr><td>80</td><td>175</td><td>41</td><td>5.9</td></tr> <tr><td>100</td><td>220</td><td>48</td><td>6.9</td></tr> <tr><td>120</td><td>265</td><td>55</td><td>7.9</td></tr> <tr><td>140</td><td>310</td><td></td><td></td></tr> <tr><td>160</td><td>350</td><td></td><td></td></tr> <tr><td>180</td><td>400</td><td></td><td></td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	28	4.1	60	130	34	4.9	80	175	41	5.9	100	220	48	6.9	120	265	55	7.9	140	310			160	350			180	400			<p>24 psi 165 kPa</p>
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## Frontier V6/V4 castor wheels

Tyre description	Magic Mobility recommended optimum operating pressure	Maximum pressure according to tyre capacity																																				
<p>2.80/2.50-4 (9 x 2.5)</p>  <p>200 x 50 (8 x 2)</p> 	 <table border="1"> <caption>Magic Mobility recommended optimum operating pressures for castor wheels</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>248</td><td>36</td></tr> <tr><td>60</td><td>130</td><td>248</td><td>36</td></tr> <tr><td>80</td><td>175</td><td>248</td><td>36</td></tr> <tr><td>100</td><td>220</td><td>248</td><td>36</td></tr> <tr><td>120</td><td>265</td><td>248</td><td>36</td></tr> <tr><td>140</td><td>310</td><td>248</td><td>36</td></tr> <tr><td>160</td><td>350</td><td>248</td><td>36</td></tr> <tr><td>180</td><td>400</td><td>248</td><td>36</td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	248	36	60	130	248	36	80	175	248	36	100	220	248	36	120	265	248	36	140	310	248	36	160	350	248	36	180	400	248	36	<p>36 psi 248 kPa</p>
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