

# INFLATION PRESSURE CHART

TECHNOLOGY DEPARTMENT

CEAT SRI LANKA

# Inflation Chart



**6W (4x2) Tyre 10.00R20 & 295/90R20**

6W	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	16	18	19	21	22	24	26	27	29	30	32
Pay Load (MT)	<b>10</b>	<b>12</b>	<b>13</b>	<b>15</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>21</b>	<b>23</b>	<b>24</b>	<b>26</b>
Front Axle	120	120	130	130	140	140	150	150	160	160	160
Rear Drive Axle	120	140	140	140	160	160	180	180	200	200	220



**10W (6x2) Tyre 10.00R20 & 295/90R20**

10W	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	25	28	30	33	35	38	40	43	45	48	50
Pay Load (MT)	<b>16</b>	<b>19</b>	<b>21</b>	<b>24</b>	<b>26</b>	<b>29</b>	<b>31</b>	<b>34</b>	<b>36</b>	<b>39</b>	<b>41</b>
Front Axle	120	120	130	130	140	140	150	150	160	160	160
Rear Drive Axle	120	140	140	140	160	160	160	180	180	200	200
Rear Dummy Axle	120	140	140	140	160	160	160	180	180	200	200



**12W (8x2) Tyre 10.00R20 & 295/90R20**

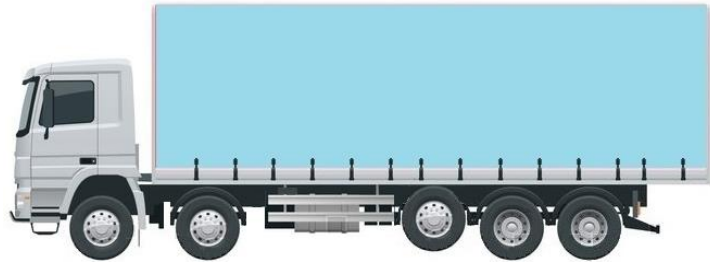
12W Lift	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	31	34	37	40	43	47	50	53	56	59	62
Pay Load (MT)	<b>21</b>	<b>24</b>	<b>27</b>	<b>30</b>	<b>33</b>	<b>37</b>	<b>40</b>	<b>43</b>	<b>46</b>	<b>49</b>	<b>52</b>
Front Axle	120	120	130	130	140	140	150	150	160	160	160
Lift Axle	120	120	120	130	130	130	140	140	140	140	140
Rear Drive Axle	120	140	140	140	150	160	160	180	180	200	200
Rear Dummy Axle	120	140	140	140	150	160	160	180	180	200	200

# Inflation Chart



12W (8x2) Tyre 10.00R20 & 295/90R20

	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
12W Dual steer	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	31	34	37	40	43	47	50	53	56	59	62
Pay Load (MT)	<b>21</b>	<b>24</b>	<b>27</b>	<b>30</b>	<b>33</b>	<b>37</b>	<b>40</b>	<b>43</b>	<b>46</b>	<b>49</b>	<b>52</b>
Front Axle	120	120	130	130	140	140	150	150	160	160	160
Front Axle -2	120	120	130	130	140	140	150	150	160	160	160
Rear Drive Axle	120	140	140	140	150	160	160	180	180	200	200
Rear Dummy Axle	120	140	140	140	150	160	160	180	180	200	200



14W (10x2) Tyre 10.00R20 & 295/90R20

	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
14W Mid pusher	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	37	41	44	48	51	55	58	62	65	69	72
Pay Load (MT)	<b>26</b>	<b>30</b>	<b>33</b>	<b>37</b>	<b>40</b>	<b>44</b>	<b>47</b>	<b>51</b>	<b>54</b>	<b>58</b>	<b>61</b>
Front Axle 1&2	120	120	130	130	140	140	150	150	160	160	160
Mid Pusher	120	120	120	130	130	130	140	140	140	140	140
Rear Drive Axle	120	140	140	140	160	160	160	180	180	200	200
Rear Dummy Axle	120	140	140	140	160	160	160	180	180	200	200



14W (10x2) Tyre 10.00R20 & 295/90R20

	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
14W back pusher	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	37	41	44	48	51	55	58	62	65	69	72
Pay Load (MT)	<b>26</b>	<b>30</b>	<b>33</b>	<b>37</b>	<b>40</b>	<b>44</b>	<b>47</b>	<b>51</b>	<b>54</b>	<b>58</b>	<b>61</b>
Front Axle 1&2	120	120	130	130	140	140	150	150	160	160	160
Rear Drive Axle	120	140	140	140	160	160	160	180	180	200	200
Rear Dummy Axle	120	140	140	140	160	160	160	180	180	200	200
Back Pusher	120	120	120	130	130	130	140	140	140	140	140

# Inflation Chart



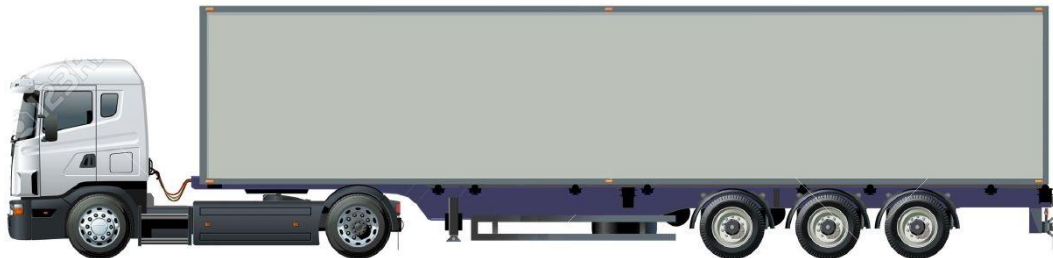
16W 12x2 Tyre 10.00R20 & 295/90R20

16W Dual axle Lift	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	43	47	51	56	60	64	68	72	77	81	85
Pay Load (MT)	<b>31</b>	<b>35</b>	<b>39</b>	<b>44</b>	<b>48</b>	<b>52</b>	<b>56</b>	<b>60</b>	<b>65</b>	<b>69</b>	<b>73</b>
Front Axle 1&2	120	120	130	130	140	140	150	150	160	160	160
Dual Lift Axle	120	120	130	130	140	140	150	150	160	160	160
Rear Drive Axle	120	130	140	140	160	160	160	180	180	200	200
Rear Dummy Axle	120	130	140	140	160	160	160	180	180	200	200



16W (12x2) Tyre 10.00R20 & 295/90R20

16W	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	43	47	51	56	60	64	68	72	77	81	85
Pay Load (MT)	<b>31</b>	<b>35</b>	<b>39</b>	<b>44</b>	<b>48</b>	<b>52</b>	<b>56</b>	<b>60</b>	<b>65</b>	<b>69</b>	<b>73</b>
Front Axle 1&2	120	120	130	130	140	140	150	150	160	160	160
Lift Axle 1&2	120	120	120	130	130	130	140	140	140	140	140
Rear Drive Axle	120	130	140	140	160	160	160	180	180	200	200
Rear Dummy Axle	120	130	140	140	160	160	160	180	180	200	200



18W (4x2 TT) Tyre 10.00R20 & 295/90R20

18W	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	43	47	51	56	60	64	68	72	77	81	85
Pay Load (MT)	<b>31</b>	<b>35</b>	<b>39</b>	<b>44</b>	<b>48</b>	<b>52</b>	<b>56</b>	<b>60</b>	<b>65</b>	<b>69</b>	<b>73</b>
Front Axle	120	120	120	130	130	140	140	150	150	150	150
Horse	120	140	140	140	160	160	160	180	180	200	200
T1	120	140	140	140	160	160	160	180	180	200	200
T2	120	140	140	140	160	160	160	180	180	200	200
T3	120	140	140	140	160	160	160	180	180	200	200

# Inflation Chart



22W (6x2 TT) Tyre 10.00R20 & 295/90R20

22W	100%	110%	120%	130%	140%	150%	160%	170%	180%	190%	200%
GVW(MT)	49	54	59	65	72	79	87	95	105	115	127
Pay Load (MT)	37	42	47	53	60	67	75	83	93	103	115
Front Axle	120	120	120	130	130	140	140	150	150	150	150
Horse	120	140	140	140	160	160	160	180	180	200	200
Horse -2	120	140	140	140	160	160	160	180	180	200	200
T1	120	140	140	140	160	160	160	180	180	200	200
T2	120	140	140	140	160	160	160	180	180	200	200
T3	120	140	140	140	160	160	160	180	180	200	200

## Note:

- The above recommendations based on the assumptions of standard vehicle measurement and standard load distribution.
- The IP calculations based on ITTAC manual (upto 100% load), footprint contact area, market practices and field experience.
- AS per study, the limited load is coming on lift axle, hence recommended low inflation compared to front axle/fixed axle
- Considered the speed range of 50-70 kmph

## Disclaimer:

- This is general inflation pressure table designed to facilitate pressure recommendation considering a representative sample of grid vehicles
- CEAT shall not be liable for any loss incurred on account of under/over inflation and load concerning product performance
- CEAT will not be liable for any injury, loss or damage to any person or property arising from the use and/ or recommendation of inflation pressure for its products.