



# IMB 162

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## New Product Release Document

Marketing Department.  
December 08, 2021

This document is created to register the marketing communication collaterals and process details for the launch of the above-mentioned pattern; it is intended for internal circulation and approval for further dissemination. All facts and figures mentioned in the document is true to the best of our knowledge as on the above said date, for updated information please feel free to visit the website [www.ascensotyres.com](http://www.ascensotyres.com)

**New Product Release Document**

**Release Month:** December '21

**Brand:** ASCENSO

**Tread Pattern :** IMB 162

**Tyre Construction :** Bias

**Type :** Tubeless

**Main Applications:** 2WD Tractor and Trailers

**TRA Code :** R-1

List of Sizes

Size	PR
6.5/80-12	6
7.00-12	6
5.00-15	6
7.5L-15	8
10.0/75-15.3	10
10.0/75-15.3	14
10.0/75-15.3	18
11.5/80-15.3	12
11.5/80-15.3	14
6.00-16	8
7.50-16	8
19.0/45-17	10
7.50-18	8
10.5/80-18	10
12.5/80-18	12
7.50-20	8



## Salient Features

### **Specially Designed Directional Tread**

#### **Pattern :**

Ensures excellent traction & self cleaning properties

### **Superior Carcass Construction:**

High load carrying capacity

### **Special Tread Compound:**

Ensures longer tyre life



# Technical Specification

Size	Rim	Unloaded Dimension		SLR	RC	PR	Free/ Drive Wheel	Recommended load , kg ( lbs)								
		SW	OD					Speed , km/h ( mph)								
		mm	mm	Freerolling				Drive wheel								
		In	in	mm	mm		mm	mm	Bar	10	25	40	50	10	25	40
6.5/80-12	5J	163 6.4	588 23.1	269 10.6	1759 69.3	6	93A8 FR 80A8 DW	2.7	770	650	550	500	550	460	390	351
								39	1694	1430	1210	1100	1210	1012	858	772
								3	830	700	590	530	570	490	410	370
								44	1826	1540	1298	1166	1254	1078	902	814
								3.3	870	740	620	560	600	510	430	390
								48	1914	1628	1364	1232	1320	1122	946	858
								3.6	910	770	650	590	630	540	450	410
7.00-12	4.5	187 7.4	683 26.9	308 12.1	2043 80.4	6	95A8 FR 83A8 DW	1.9	830	700	590	530	570	490	410	369
								28	1826	1540	1298	1166	1254	1078	902	812
								2.1	880	750	630	570	620	520	440	400
								30	1936	1650	1386	1254	1364	1144	968	880
								2.3	920	790	660	590	640	550	460	410
								33	2024	1738	1452	1298	1408	1210	1012	902
								2.5	970	820	690	620	680	580	487	440
5.00-15	3.50 D	130 5.1	655 25.8	304 12.0	1959 77.1	6	88A8 FR 75A8 DW	2.7	670	570	480	430	480	400	340	306
								39	1474	1254	1056	946	1056	880	748	673
								2.9	700	600	500	450	490	420	350	320
								42	1540	1320	1100	990	1078	924	770	704
								3.2	740	630	530	480	520	440	370	330
								46	1628	1386	1166	1056	1144	968	814	726
								3.5	780	670	560	500	540	460	387	350
51	1716	1474	1232	1100	1188	1012	851	770								

Ascenso is a new-age off-highwaytyre brand that caters to three key global segments: Agriculture, Industrial& Construction and Earthmover

MahansariaTyres Pvt. Ltd.

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		SW	OD					Speed , km/h ( mph)								
				Freerolling				Drive wheel								
		mm	mm	mm	mm		Bar	10	25	40	50	10	25	40	50	
in	in	in	in	LI/SI	Psi	6	16	25	31	6	16	25	31			
7.5L-15	6LB	210 8.3	765 30.1	349 13.7	2288 90.1	8	8PR 113A8 FR 100A8 DW	2.8	1360	1150	970	870	950	810	680	612
								41	2990	2530	2130	1910	2090	1780	1500	1350
								3.1	1440	1230	1030	930	1010	860	720	650
								45	3170	2710	2270	2050	2220	1890	1580	1430
								3.4	1530	1300	1090	980	1060	900	760	680
								49	3370	2860	2400	2160	2330	1980	1670	1500
								3.7	1610	1370	1150	1040	1120	950	800	720
54	3540	3010	2530	2290	2460	2090	1760	1580								

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		SW	OD					Speed , km/h ( mph)									
		mm	mm	Free rolling				Drive wheel									
		In	in	mm	mm		Bar	10	25	40	50	10	25	40	50		
10.0/75-15.3	9	264 10.4	780 30.7	356 14.0	2333 91.9	10	123A8 FR 111A8 DW	3	1860	1580	1330	1200	1320	1120	940	846	
								44	4092	3476	2926	2640	2904	2464	2068	1861	
								3.3	1970	1680	1410	1270	1390	1180	990	891	
								48	4334	3696	3102	2794	3058	2596	2178	1960	
								3.6	2070	1760	1480	1330	1460	1240	1040	936	
								52	4554	3872	3256	2926	3212	2728	2288	2059	
								<b>3.9</b>	2170	1840	<b>1550</b>	1400	1530	1300	<b>1090</b>	981	
							57	4774	4048	3410	3080	3366	2860	2398	2158		
							14	130 A8 FR 118 A8 DW	4.1	2240	1900	1600	1440	1570	1330	1120	1008
									59	4928	4180	3520	3168	3454	2926	2464	2218
									4.5	2370	2010	1690	1520	1650	1400	1180	1062
									65	5214	4422	3718	3344	3630	3080	2596	2336
									5	2520	2140	1800	1620	1750	1490	1250	1125
									73	5544	4708	3960	3564	3850	3278	2750	2475
						5.5			2660	2260	1900	1710	1850	1570	1320	1188	
						18	135 A8 FR 123 A8 DW	80	5852	4972	4180	3762	4070	3454	2904	2614	
								5.3	2580	2190	1840	1660	1830	1560	1310	1179	
								77	5676	4818	4048	3652	4026	3432	2882	2594	
								5.8	2720	2310	1940	1750	1930	1640	1380	1242	
								84	5984	5082	4268	3850	4246	3608	3036	2732	
								6.4	2870	2440	2050	1850	2040	1740	1460	1314	
								93	6314	5368	4510	4070	4488	3828	3212	2891	
								7.1	3050	2590	2180	1960	2170	1840	1550	1395	
						103	6710	5698	4796	4312	4774	4048	3410	3069			

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Size	Rim	Unloaded Dimension		SLR	RC	PR	Free/ Drive Wheel	Recommended load , kg ( lbs)									
		SW	OD					Speed , km/h ( mph)									
		Free rolling					Drive wheel										
		mm	mm	mm	mm		Bar	10	25	40	50	10	25	40	50		
In	in	in	in	LI/SI	Psi	6	16	25	31	6	16	25	31				
11.5/80-15.3	9	290 11.4	867 34.1	392 15.4	2594 102.1	12	135A8 FR 123A8 DW	3.1	2590	2200	1850	1670	1850	1570	1320	1188	
								45	5698	4840	4070	3674	4070	3454	2904	2614	
								3.4	2730	2320	1950	1760	1950	1650	1390	1251	
								49	6006	5104	4290	3872	4290	3630	3058	2752	
								3.7	2870	2440	2050	1850	2040	1740	1460	1314	
								54	6314	5368	4510	4070	4488	3828	3212	2891	
								<b>4.1</b>	3050	2590	<b>2180</b>	1960	2170	1840	<b>1550</b>	1395	
	59	6710	5698	4796	4312	4774	4048	3410	3069								
	14	9	290 11.4	867 34.1	392 15.4	2594 102.1	14	139 A8 FR 126 A8 DW	3.6	2880	2450	2060	1850	2020	1710	1440	1296
									52	6336	5390	4532	4070	4444	3762	3168	2851
									3.9	3020	2570	2160	1940	2110	1800	1510	1359
									57	6644	5654	4752	4268	4642	3960	3322	2990
									4.3	3210	2730	2290	2060	2240	1900	1600	1440
									62	7062	6006	5038	4532	4928	4180	3520	3168
<b>4.75</b>									3400	2890	<b>2430</b>	2190	2380	2020	<b>1700</b>	1530	
69	7480	6358	5346	4818	5236	4444	3740	3366									

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Size	Rim	Unloaded Dimension		SLR	RC	PR	Free/ Drive Wheel	Recommended load , kg ( lbs)								
		SW	OD					Speed , km/h ( mph)								
		mm	mm	mm	mm		Free rolling				Drive wheel					
		In	in	in	in		Bar	10	25	40	50	10	25	40	50	
							LI/SI	Psi	6	16	25	31	6	16	25	31
6.00-16	4.00E	160	730	337	2183	8	8PR 103A8 FR 91A8 DW	<b>2.9</b>	<b>1020</b>	<b>870</b>	<b>730</b>	<b>660</b>	<b>710</b>	<b>610</b>	<b>510</b>	<b>459</b>
								42	2244	1914	1606	1452	1562	1342	1122	1010
								<b>3.2</b>	<b>1080</b>	<b>920</b>	<b>770</b>	<b>690</b>	<b>760</b>	<b>640</b>	<b>540</b>	<b>490</b>
								46	2376	2024	1694	1518	1672	1408	1188	1078
								3.6	1150	980	820	740	810	690	580	520
								52	2530	2156	1804	1628	1782	1518	1276	1144
								4	1230	1040	875	790	860	730	615	550
								58	2706	2288	1925	1738	1892	1606	1353	1210
7.50-16	5.50F	209 8	803 32	367 14	2402 95	8	8PR 112A8 FR 99A8 DW	<b>2.5</b>	<b>1370</b>	<b>1170</b>	<b>980</b>	<b>880</b>	<b>940</b>	<b>800</b>	<b>670</b>	<b>603</b>
								36	3010	2570	2160	1940	2070	1760	1470	1330
								<b>2.7</b>	<b>1430</b>	<b>1210</b>	<b>1020</b>	<b>920</b>	<b>980</b>	<b>830</b>	<b>700</b>	<b>630</b>
								39	3150	2660	2240	2020	2160	1830	1540	1390
								<b>2.9</b>	<b>1480</b>	<b>1260</b>	<b>1060</b>	<b>950</b>	<b>1020</b>	<b>870</b>	<b>730</b>	<b>660</b>
								42	3260	2770	2330	2090	2240	1910	1610	1450
								<b>3.2</b>	<b>1570</b>	<b>1330</b>	<b>1120</b>	<b>1010</b>	<b>1090</b>	<b>920</b>	<b>775</b>	<b>700</b>
								46	3450	2930	2460	2220	2400	2020	1710	1540
19.0/45-17	16	470	877	400	2623	10	138 A8 FR 125 A8 DW	1.8	2900	2460	2070	1860	2020	1710	1440	1296
								26	6380	5412	4554	4092	4444	3762	3168	2851
								1.9	3000	2550	2140	1930	2090	1770	1490	1341
								28	6600	5610	4708	4246	4598	3894	3278	2950
								2.1	3180	2700	2270	2040	2210	1880	1580	1422
								30	6996	5940	4994	4488	4862	4136	3476	3128
								<b>2.25</b>	<b>3300</b>	<b>2810</b>	<b>2360</b>	<b>2120</b>	<b>2310</b>	<b>1960</b>	<b>1650</b>	<b>1485</b>
								33	7260	6182	5192	4664	5082	4312	3630	3267

Construction and Earthmover

**Note:** All tyres confirm to ETRTO standards

Figures in bold are the recommended specification

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Size	Rim	Unloaded Dimension		SLR	RC	PR	Free/ Drive Wheel	Recommended load , kg ( lbs)								
		Speed , km/h ( mph)														
		SW	OD	Freerolling				Drive wheel								
		mm	mm	Bar	10			25	40	50	10	25	40	50		
in	in	Psi	6	16	25	31	6	16	25	31						
7.50-18	5.50F	209 8	854 34	392 15	2554 101	8	8PR 114A8 FR 101A8 DW	2.4	1410	1200	1010	910	1010	860	720	648
								35	3100	2640	2220	2000	2220	1890	1580	1426
								2.6	1480	1260	1060	950	1050	890	750	680
								38	3260	2770	2330	2090	2310	1960	1650	1496
								2.8	1550	1320	1110	1000	1090	930	780	700
								41	3410	2900	2440	2200	2400	2050	1720	1540
								3.1	1650	1400	1180	1060	1160	980	825	740
								45	3630	3080	2600	2330	2550	2160	1820	1630
10.5/80-18	W9	274 10.8	900 35.4	411 16.2	2692 106. 0	10	131A8 FR 119A8 DW	<b>2.8</b>	<b>2320</b>	<b>1980</b>	<b>1660</b>	<b>1490</b>	<b>1610</b>	<b>1370</b>	<b>1150</b>	<b>1035</b>
								41	5104	4356	3652	3278	3542	3014	2530	2277
								<b>3.1</b>	<b>2460</b>	<b>2090</b>	<b>1760</b>	<b>1580</b>	<b>1710</b>	<b>1450</b>	<b>1220</b>	<b>1100</b>
								45	5412	4598	3872	3476	3762	3190	2684	2420
								<b>3.4</b>	<b>2600</b>	<b>2210</b>	<b>1860</b>	<b>1670</b>	<b>1810</b>	<b>1540</b>	<b>1290</b>	<b>1160</b>
								49	5720	4862	4092	3674	3982	3388	2838	2552
								<b>3.7</b>	<b>2730</b>	<b>2320</b>	<b>1950</b>	<b>1760</b>	<b>1900</b>	<b>1620</b>	<b>1360</b>	<b>1220</b>
								54	6006	5104	4290	3872	4180	3564	2992	2684
12.5/80-18	W9	308 12.1	980 38.6	444 28.8	2931 115. 4	12	142A8 FR 129A8 DW	<b>2.8</b>	<b>3150</b>	<b>2680</b>	<b>2250</b>	<b>2030</b>	<b>2200</b>	<b>1870</b>	<b>1570</b>	<b>1413</b>
								41	6930	5896	4950	4466	4840	4114	3454	3109
								<b>3.1</b>	<b>3350</b>	<b>2840</b>	<b>2390</b>	<b>2150</b>	<b>2340</b>	<b>1990</b>	<b>1670</b>	<b>1500</b>
								45	7370	6248	5258	4730	5148	4378	3674	3300
								<b>3.4</b>	<b>3530</b>	<b>3000</b>	<b>2520</b>	<b>2270</b>	<b>2460</b>	<b>2090</b>	<b>1760</b>	<b>1580</b>
								49	7766	6600	5544	4994	5412	4598	3872	3476
								<b>3.7</b>	<b>3710</b>	<b>3150</b>	<b>2650</b>	<b>2390</b>	<b>2590</b>	<b>2200</b>	<b>1850</b>	<b>1670</b>
								54	8162	6930	5830	5258	5698	4840	4070	3674

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		SW	OD					Speed , km/h ( mph)									
		mm	mm	Freerolling				Drive wheel									
		in	in	mm	mm			mm	mm	Bar	10	25	40	50	10	25	40
7.50-20	5.50F	209 8	904 36	417 16	2704 106	8	8PR 116A8 FR 103A8 DW	LI/SI	Bar	10	25	40	50	10	25	40	50
								Psi	6	16	25	31	6	16	25	31	
								2.5	1500	1270	1070	960	1050	890	750	675	
								36	3300	2790	2350	2110	2310	1960	1650	1490	
								2.7	1570	1330	1120	1010	1090	930	780	700	
								39	3450	2930	2460	2220	2400	2050	1720	1540	
								3	1670	1420	1190	1070	1160	990	830	750	
								44	3670	3120	2620	2350	2550	2180	1830	1650	
3.25	1750	1490	1250	1130	1230	1040	875	790									
47	3850	3280	2750	2490	2710	2290	1930	1740									

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