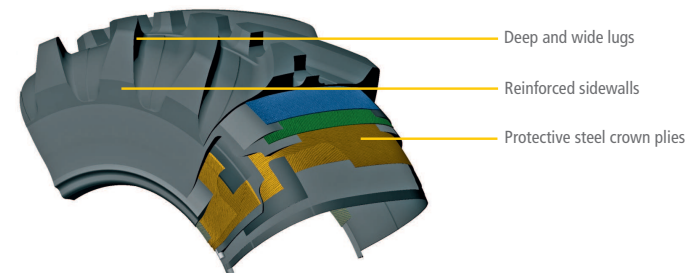


# Telescopic handlers, backhoe loaders... For increased profitability



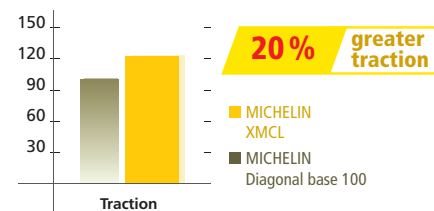
## MICHELIN XMCL

Radial construction



### 20% extra traction compared with the MICHELIN cross-ply

### Precision comfort on loading



Source: MICHELIN test and research center (Ladoux)

- Radial construction
- Protective steel crown plies

#### Sizes

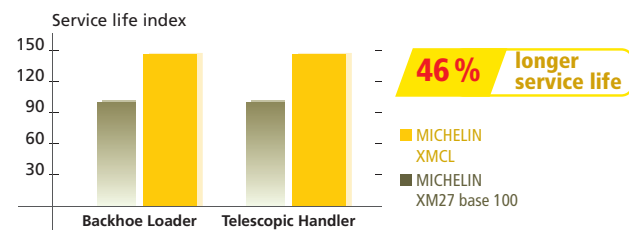
11 LR16 122A8 IND TL XM 27  
280/80 R18 TL 132A8/132B IND  
340/80 R18 TL 143A8/143B IND  
280/80 R20 TL 133A8/133B IND  
340/80 R20 TL 144A8/144B IND

380/75 R20 TL 148A8/148B IND  
400/70 R20 TL 149A8/149B IND  
420/75 R20 TL 154A8/154B IND  
400/70 R24 TL 152A8/152B IND  
440/80 R24 TL 161A8/161B IND

NEW

460/70 R24 TL 159A8/159B IND  
500/70 R24 TL 164A8/164B IND  
540/70 R24 TL 168A8/168B IND  
480/80 R26 TL 160A8/160B IND  
440/80 R28 TL 156A8/156B IND

### Up to 46% longer wear life



Source: MICHELIN test and research center, Ladoux (Clermont-Ferrand) and Customer test fitments

# Characteristics of Compact Line radial tyres MICHELIN XMCL



Ø  inches	Description	CAI	Tyre characteristics				Rim widths <sup>(1)</sup>  inches	Tube <sup>(2)</sup>	75% internal volume  litres	Pressure (bar) and (psi) – Load per tyre in kg																	
			S mm	D mm	R' mm	R.C. mm				Bar Psi	1.00 15	1.20 17	1.60 23	2.00 29	2.20 32	2.40 35	2.70 39	3.00 44	3.20 46	3.40 49	3.60 52	3.80 55	4.00 58	4.20 61	4.40 64		
16	11 LR16 122A8 XM27	123207	291	850	375	2515	W8 W10L	184	60		10 km/h 30 km/h 40 km/h	1 135 830 775	1 265 940 880	1 530 1 085	1 790 1 295	1 920 1 395	2 055 1 500	2 250									
18	280/80 R18 132A8/132B IND TL XMCL  (10,5 R18) Equiv 10PR	779803	290	908	415	2708	W9 W8 W10	438	67		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			1 800 1 170 1 060 1 020 990 950	2 200 1 430 1 250 1 210 1 170 1 125	2 400 1 565 1 350 1 395 1 345 1 300	2 600 1 695 1 445 1 535 1 480 1 430	2 900 1 890 1 590 1 535 1 480 1 430	3 200 2 085 1 735 1 675 1 700 1 560	3 400 2 220 1 830 1 930 1 770 1 650	3 600 2 480 2 025 1 930 1 860 1 740	3 800 2 610 2 120 2 050 1 970 1 825	4 000 2 740 2 220 2 050 1 970 1 910	4 200 2 870 2 220 2 140 2 060 2 000	4 400 3 000	4 600	
	340/80 R18 143A8/143B IND TL XMCL  (12,5 R18) Equiv 12PR	100054	351	996	448	2959	11 W10 11SDC W11 12 12SDC	828	106		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			2 450 1 600 1 450 1 390 1 340 1 320	2 995 1 955 1 710 1 645 1 585 1 550	3 270 2 135 1 845 1 770 1 710 1 665	3 540 2 310 1 975 1 900 1 830 1 780	3 950 2 580 2 170 2 090 2 015 1 950	4 360 2 845 2 370 2 280 2 200 2 125	4 635 3 025 2 500 2 630 2 440 2 360	4 905 3 200 2 630 2 665 2 565 2 480	5 180 3 380 2 760 2 790 2 690 2 605	5 450 3 555 2 890 2 920 2 810 2 725	5 725 3 735 3 020 2 920 2 810 2 725	6 000 3 910	6 270 4 090	
20	280/80 R20 133A8/133B IND TL XMCL  (10,5 R20) Equiv 10PR	747442	292	958	439	2860	W9 W8 W10	542	72		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			1 850 1 210 1 090 1 050 1 010 975	2 260 1 480 1 290 1 240 1 195 1 155	2 470 1 610 1 390 1 435 1 380 1 340	2 675 1 745 1 490 1 435 1 380 1 340	2 985 1 945 1 640 1 580 1 520 1 475	3 290 2 150 1 790 1 890 1 840 1 790	3 500 2 280 1 890 1 990 1 850 1 790	3 705 2 415 1 990 2 090 2 105 1 880	3 910 2 550 2 090 2 190 2 105 1 880	4 120 2 685 2 190 2 290 2 200 1 970	4 325 2 820 2 290 2 200 2 120 2 060	4 530 2 955	4 740 3 090	
	340/80 R20 144A8/144B IND TL XMCL  (12,5 R20) Equiv 12PR	948730	353	1047	476	3119	11 W10 11SDC W11 12 12SDC	664	114		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			2 520 1 640 1 490 1 430 1 380 1 360	3 080 2 005 1 760 1 690 1 630 1 595	3 360 2 190 1 895 1 820 1 755 1 710	3 640 2 370 2 030 1 950 1 880 1 830	4 060 2 645 2 230 2 145 2 070 2 005	4 480 2 920 2 435 2 340 2 255 2 180	4 760 3 105 2 570 2 470 2 380 2 300	5 040 3 285 2 705 2 600 2 505 2 425	5 320 3 470 2 840 2 735 2 630 2 550	5 600 3 650 2 975 2 870 2 755 2 675	5 880 3 835 3 110 3 000 2 880 2 800	6 160 4 020	6 440 4 200	
	380/75 R20 148A8/148B IND TL XMCL  (14,5 R20) Equiv 16PR	187752	384	1070	481	3180	W12 W11 11 12	664	135		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			2 840 1 850 1 670 1 610 1 550 1 500	3 470 2 260 1 975 1 900 1 830 1 770	3 785 2 465 2 130 2 050 1 975 1 905	4 100 2 670 2 280 2 195 2 115 2 040	4 570 2 980 2 510 2 415 2 325 2 240	5 045 3 285 2 740 2 635 2 540 2 440	5 360 3 490 2 890 2 780 2 680 2 575	5 675 3 695 3 040 2 930 2 820 2 720	5 990 3 900 3 195 3 075 2 960 2 860	6 305 4 110 3 350 3 220 3 100 3 005	6 620 4 315 3 500 3 370 3 240 3 150	6 935 4 520	7 250 4 730	
	400/70 R20 149A8/149B IND TL XMCL  (16,0/70 R20) Equiv 16PR	474495	412	1069	481	3177	13 12 12SDC 13SDC 14	664	139		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			2 930 1 910 1 730 1 660 1 600 1 550	3 580 2 335 2 040 1 960 1 890 1 825	3 905 2 545 2 200 2 115 2 040 1 960	4 230 2 760 2 355 2 265 2 185 2 100	4 720 3 075 2 590 2 490 2 405 2 305	5 205 3 395 2 825 2 720 2 625 2 510	5 530 3 605 2 980 3 020 2 915 2 650	5 855 3 820 3 295 3 175 3 060 2 800	6 180 4 030 3 340 3 175 3 205 3 100	6 505 4 240 3 450 3 330 3 205 3 100	6 830 4 455 3 610 3 480 3 350 3 250	7 155 4 670	7 480 4 880	
	420/75 R20 154A8/154B IND TL XMCL  (16,5/75 R20) Equiv 18PR	967201	428	1138	509	3378	13 12 12SDC 13SDC 14	829	171		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			3 380 2 200 1 990 1 920 1 850 1 800	4 130 2 690 2 350 2 270 2 185 2 120	4 505 2 935 2 535 2 440 2 350 2 280	4 880 3 180 2 715 2 615 2 520 2 440	5 440 3 550 2 985 2 875 2 770 2 675	6 005 3 915 3 260 3 135 3 020 2 915	6 380 4 160 3 440 3 310 3 190 3 075	6 755 4 405 3 620 3 485 3 352 3 245	7 130 4 650 3 800 3 660 3 525 3 410	7 505 4 895 3 980 3 835 3 690 3 580	7 880 5 140 4 160 4 010 3 860 3 750	8 255 5 385	8 630 5 630	

<sup>(1)</sup> : The reference rim is shown in bold type.<sup>(2)</sup> : KLEBER tube code.

Stat: Static load at 0 km/h, stationary vehicle.

10 Cyc: Maximum speed 10 km/h with cyclic loads.

25: use on the road up to a maximum speed of 25 km/h.

30: use under torque and on the road up to a maximum speed of 30 km/h.

35: use on the road up to a maximum speed of 35 km/h.

40: use on the road up to a maximum speed of 40 km/h.

IMPORTANT: the inflation pressure must always be appropriate for the load per tyre, the speed of travel and the work to be done.

(3) For use on hillsides: add 0.40 bar

(4) For intensive road use: add 0.40 bar



# Characteristics of Compact Line radial tyres MICHELIN XMCL

Ø  inches	Description	CAI	Tyre characteristics				Rim widths <sup>(1)</sup>  inches	Tube <sup>(2)</sup>	75% internal volume  litres		Pressure (bar) and (psi) – Load per tyre in kg															
			S mm	D mm	R' mm	R.C. mm					Bar Psi	1.00 15	1.20 17	1.60 23	2.00 29	2.20 32	2.40 35	2.70 39	3.00 44	3.20 46	3.40 49	3.60 52	3.80 55	4.00 58	4.20 61	4.40 64
24	400/70 R24 152A8/152B IND TL XMCL	178690	400	1168	528	3475	DW13L DW12 13 DW14L 13SDC DW13		156		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			3 130 2 040 1 830 1 765 1 700 1 650	3 840 2 500 2 180 2 100 2 020 1 960	4 190 2 735 2 350 2 270 2 185 2 120	4 545 2 965 2 525 2 435 2 345 2 275	4 900 3 195 2 700 2 600 2 505 2 430	5 610 3 655 3 045 2 940 2 830 2 745	5 960 3 890 3 220 3 105 2 990 2 900	6 315 4 120 3 400 3 280 3 155 3 060	6 670 4 350 3 580 3 450 3 320 3 225	7 045 4 595 3 760 3 625 3 485 3 390	7 420 4 840 3 940 3 800 3 650 3 550	7 790 5 080 4 165 4 040 3 885 3 785	8 165 5 325 4 360 4 200 4 040 3 940
	440/80 R24 161A8/161B IND TL XMCL  (16,9 R24) Equiv 18PR	954749	441	1314	592	3907	DW14L DW15L TW14L DW15L	710	235		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			4 160 2 710 2 460 2 370 2 280 2 240	5 085 3 315 2 905 2 800 2 695 2 650	5 550 3 615 3 130 3 015 2 900 2 855	6 010 3 920 3 685 3 550 3 420 3 365	6 705 4 370 4 020 3 875 3 730 3 670	7 400 4 825 4 240 4 090 3 940 3 875	7 865 5 125 4 460 4 305 4 145 4 060	8 325 5 430 4 685 4 520 4 350 4 250	8 790 5 730 4 910 4 735 4 555 4 440	9 250 6 030 5 130 4 950 4 760 4 625	9 715 6 335 5 480 5 300 5 115 5 000	10 180 6 640 5 680 5 500 5 315 5 200	10 640 6 940 5 990 5 810 5 625 5 500
	460/70 R24 159A8/159B IND TL XMCL <sup>(3)</sup> (17,5 LR24) Equiv 18PR	244268	467	1248	562	3709	DW15L DW14L DW16L 14 16 TW14L	710	218		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			3 940 2 570 2 320 2 240 2 160 2 120	4 815 3 140 2 740 2 650 2 550 2 500	5 250 3 425 2 955 2 850 2 745 2 695	5 690 3 710 3 165 3 055 2 940 2 885	6 345 4 140 3 480 3 360 3 230 3 170	7 000 4 565 3 800 3 665 3 525 3 460	7 435 4 850 4 010 3 870 3 720 3 650	7 875 5 135 4 220 4 070 4 115 4 010	8 310 5 420 4 435 4 275 4 115 4 010	8 750 5 705 4 650 4 480 4 310 4 195	9 185 5 990 4 860 4 680 4 510 4 375	9 620 6 275 5 115 4 940 4 760 4 625	10 060 6 560 5 410 5 230 5 040 4 915
	500/70 R24 164A8/164B IND TL XMCL (19,5 LR24) Equiv 20PR	542794	511	1302	583	3866	DW16L DW15L 16	710	265		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			4 500 2 930 2 650 2 560 2 460 2 360	5 500 3 585 3 130 3 025 2 910 2 800	6 000 3 910 3 375 3 260 3 130 3 020	6 500 4 240 3 615 3 490 3 355 3 240	7 250 4 730 3 975 3 840 3 690 3 575	8 000 5 220 4 340 4 190 4 025 3 905	8 500 5 545 4 580 4 420 4 250 4 125	9 000 5 875 4 820 4 650 4 475 4 345	9 500 6 200 5 065 4 885 4 700 4 560	10 000 6 525 5 310 5 120 4 925 4 780	10 500 6 850 5 550 5 350 5 150 5 000	11 000 7 175 5 810 5 625 5 425 5 275	11 500 7 500 6 150 5 950 5 750 5 600
26	540/70 R24 168A8/168B IND TL XMCL (21 LR24) Equiv 20PR	959128	562	1356	608	4026	DW18L DW16L	710	265		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			5 015 3 270 2 940 2 840 2 730 2 650	5 910 3 855 3 490 3 370 3 240 3 145	6 360 4 145 3 765 3 630 3 495 3 390	6 805 4 440 4 040 3 895 3 750 3 640	7 475 4 875 4 450 4 290 4 130 4 010	8 150 5 315 4 505 4 350 4 190 4 080	8 595 5 605 5 135 4 950 4 765 4 625	9 040 5 900 5 405 5 210 5 015 4 870	9 490 6 190 5 680 5 475 5 270 5 110	10 335 6 740 6 040 5 740 5 520 5 355	11 185 7 295 6 220 6 000 5 770 5 600	12 030 7 850 6 640 6 420 6 200 6 040	12 880 8 400 7 175 6 940 6 715 6 560
	480/80 R26 160A8/160B IND TL XMCL (18,4 R26) Equiv 14PR	719306	487	1422	636	4220	DW15L DW16L	716	303		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			4 900 3 200 2 890 2 790 2 680 2 575	5 990 3 910 3 420 3 300 3 170 3 055	6 535 4 265 3 680 3 550 3 415 3 295	7 080 4 620 3 945 3 805 3 660 3 540	7 900 5 150 4 340 4 185 4 030 3 900	8 715 5 685 4 735 4 565 4 395 4 260	9 260 6 040 5 000 4 820 4 640 4 500	9 805 6 395 5 000 4 820 4 640 4 500	10 350 6 750 5 400 5 215 5 040 4 900	10 900 7 175 5 810 5 625 5 425 5 275	11 450 7 500 6 150 5 950 5 750 5 600		
	440/80 R28 156A8/156B IND TL XMCL (16,9 R28) Equiv 14PR	316223	459	1410	641	4200	DW14L DW15L	822	260		Stat 10 km/h Cyc 25 km/h 30 km/h 35 km/h 40 km/h			4 360 2 840 2 570 2 480 2 390 2 300	5 330 3 470 3 040 2 930 2 820 2 725	5 810 3 790 3 270 3 155 3 040 2 940	6 295 4 105 3 505 3 380 3 255 3 150	7 020 4 580 3 855 3 720 3 580 3 470	7 750 5 050 4 205 4 055 3 905 3 790	8 230 5 370 4 440 4 280 4 120 4 000	8 715 5 685 4 715 4 555 4 395 4 260	9 200 6 000 5 040 4 880 4 720 4 580	9 685 6 480 5 480 5 320 5 160 5 020	10 170 6 970 5 970 5 800 5 640 5 500		

<sup>(1)</sup> The reference rim is shown in bold type.<sup>(2)</sup> KLEBER tube code.<sup>(3)</sup> For further information on rims, refer to the "Rims and valves" section on page 128.

Stat: Static load at 0 km/h, stationary vehicle.

10 Cyc: Maximum speed 10 km/h with cyclic loads.

25: use on the road up to a maximum speed of 25 km/h.

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