

Product Code Descriptions

For Crane Components and for Spacemaster® Wire Rope Hoists and Electric Chain Hoists





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WIRE ROPE HOIST PRODUCT CODE

1.1 Spacemaster® SX Wire Rope Hoist

SX 1,2	2 3	041 4, 5, 6	0020 7, 8, 9, 10	P 11	1 12	5 13	F 14	A 15	L0 16,17	N 18
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Pos.	Code	Feature	Available properties	
1,2	SX	Brand	SX	SX Wire Rope Hoist
3	2	Frame size	1 2,3 4 5	243 mm rope drum diameter 303 mm rope drum diameter 355 mm rope drum diameter 406 mm rope drum diameter
4, 5, 6	041	Reeving type	<u>Single Reeved</u> 021 041 061 081	2 part single 4 part single 6 part single 8 part single
			<u>Double Reeved</u> 022 042 062 082	2 part double 4 part double 6 part double 8 part double
7, 8, 9, 10	0050	Capacity	Capacity x 100 (unit: Kg) 0050 x 100 = 5000 Kg Capacity x 0.1 (unit: Ton) 0050 x 0.1 = 5 Ton	
11	P	Hoist motor type	P	Two-speed motor
			S A	ESR inverter-duty motor ASR inverter-duty motor
12	1	Hoist Motor Power	<u>Code</u> X 1 2 3 4 5	<u>60 Hz kW / HP</u> 1.8 kW / 2.4 HP 2.2 kW / 3 HP 4.3 kW / 5.8 HP 5.4 kW / 7.2 HP 9 kW / 12 HP 10.8 kW / 14.7 HP
			<u>Code</u> 6 7 8 9 A	<u>60 Hz kW / HP</u> 18 kW / 24.1 HP 21 kW / 28.2 HP 25 kW / 33.3 HP 34 kW / 45 HP 42 kW / 56 HP
			See Spacemaster® SX price pages and technical guide for additional hoist motor code & power rating information.	
13	5	Hoist duty group	<u>Code</u> 3 4 5 6	<u>ASME Duty class</u> H2 H3 H4 H4+
				<u>FEM / ISO Duty class</u> 1Bm / M3 1Am / M4 2m / M5 3m / M6
14	F	Hoist gear code	<u>Code</u> E F G H J	<u>60 Hz Hoist speed fpm (reeving type)</u> 32 fpm (2 PS), 16 fpm (4PS) 40 fpm (2 PS), 20 fpm (4PS) 50 fpm (2 PS), 25 fpm (4PS) 60 fpm (2 PS), 30 fpm (4PS) 80 fpm (2 PS), 40 fpm (4PS)
				<u>60 Hz Hoist speed m/min (reeving type)</u> 9.5 m/min (2 PS), 4.75 m/min (4 PS) 12 m/min (2 PS), 6 m/min (4 PS) 15 m/min (2 PS), 7.5 m/min (4 PS) 19 m/min (2 PS), 9.5 m/min (4 PS) 24 m/min (2 PS), 12 m/min (4 PS)
			Hoist gear options listed are not available for all hoist frame sizes.	
15	A	Drum length code	<u>Code</u> A B C D E F G H	<u>Rope drum length</u> 310 mm 340 mm (if SX1 frame size, 394 mm) 440 mm (if SX1 frame size, 504 mm) 540 mm (if SX1 frame size, 614 mm) 660 mm 810 mm 1000 mm 1250 mm
			<u>Code</u> J K L M N Z X	<u>Rope drum length</u> 1600 mm 1900 mm 2250 mm 2500 mm 2800 mm 1400 mm Special drum length
16,17	L0	Trolley type	<u>Code</u> J0 L0 N0 D0 DH DL or DW F0	Special Low headroom hoist (SX1) Low headroom hoist Normal headroom hoist Double girder (standard) High profile double girder Low profile double girder Foot mounted
18	N	Special properties	<u>Code</u> N F	Standard hoist without any options Options selected from option list
			<u>Code</u> S	Special hoist



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1.2 Spacemaster® SXL Wire Rope Hoist

SXL 1,2,3	19 4,5	062 6,7,8	05 9,10	53 11,12	F 13
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Position	Code	Feature	Available properties		
1-3	SXL	Brand	SXL		
4-5	19	Trolley size	17 18 19 20		
6-8	062	Reeving	<u>R&M Code</u> 022 032 042 052 062 082	<u>Factory Code</u> 22 23 24 25 26 28	<u>Description</u> 2 part double reeving 3 part double reeving 4 part double reeving 5 part double reeving 6 part double reeving 8 part double reeving
9-10	05	Duty rating	<u>Code</u> 03 04 05 06	<u>ASME</u> H2 H3 H4 H5	<u>ISO</u> M3 M4 M5 M6
11-12	53	Trolley gauge	<u>Code</u> 24 27 34 42 53 58 65 XX	<u>Gauge (mm)</u> 2400 2700 3400 4200 5300 5800 6500 special	<u>Trolley size</u> 17, 18 19 17, 18, 19, 20 17, 18, 19, 20 19, 20 20 20 all
13	F	Property	N F S	Standard hoist without options Standard hoist with options from list Special	



1.3 Spacemaster® EX Wire Rope Hoist (Hazardous location)

SX	4	EX	D2	041	0500	P	3	5	E	C	L0	N
1,2	3	4,5	6,7,8	9,10,11	12,13,14,15	16	17	18	19	20	21,22	23

Pos.	Code	Feature	Available properties	
1,2	SX	Brand	SX	SX Wire Rope Hoist
3	4	Frame size	<u>Code</u> 4 355 mm rope drum diameter 5 406 mm rope drum diameter	<u>Code</u> 6 608 mm rope drum diameter 7 608 mm rope drum diameter
4,5	EX		Hazardous location (Ex-proof)	
6,7,8	D2	Gas category	<u>Code</u> D2 Class I, Division 2, Group C and D, T3 temperature class Z1 Zone 1 IIB or IIC T4 Z2 Zone 2 IIB or IIC T3 Z21 Zone 21 IP65 T +135°C	<u>Electric standard/ approval</u> NEC / CSA ATEX / IEC ATEX / IEC ATEX / IEC
9,10,11	041	Reeving type	<u>Single Reeved</u> 021 2 part single 041 4 part single 061 6 part single 081 8 part single	<u>Double Reeved</u> 022 2 part double 042 4 part double 062 6 part double 082 8 part double
12,13,14,15	0050	Capacity	Capacity x 100 (unit: Kg) 0050 x 100 = 5000 Kg Capacity x 0.1 (unit: Ton) 0050 x 0.1 = 5 Ton	
16	P	Hoist motor type	P Two-speed motor (Zone 2 or D2) E Two-speed motor (Zone 1)	
17	3	Hoist Motor Power	<u>Code</u> 1 SX4 3 SX4 5 SX5 6 SX5, SX6, SX7	
18	5	Hoist duty group	<u>Code</u> 3 H2 4 H3 5 H4 6 H4+	<u>FEM / ISO Duty class</u> 1Bm / M3 1Am / M4 2m / M5 3m / M6
19	F	Hoist gear code	<u>Code</u> E F H	
20	A	Drum length code	<u>Code</u> B 340 mm C 440 mm D 540 mm E 660 mm F 810 mm G 1000 mm	<u>Code</u> H 1250 mm J 1600 mm K 1900 mm L 2250 mm M 2500 mm N 2800 mm
21,22	L0	Trolley type	<u>Code</u> L0 Low headroom hoist N0 Normal headroom hoist D0 Double girder (standard) F0 Foot mounted	
23	N	Special properties	<u>Code</u> N Standard hoist without any options F Options selected from option list S Special hoist	



2 END TRUCK PRODUCT CODE

2.1 RSN Top-running End Truck

RSN	09	-	16	65	-	400	200	C	0000	-	N
1-3	4,5	6	7,8	BT08 9,10	11	12-14	15-17	BT19 18	19-22	23	24

Pos.	Code	Feature code	Feature	Available properties			
1-3	RSN		Product name	RSN	R&M end truck series – new generation		
4,5	09		Wheel diameter	09	90 mm		
				11	110 mm		
				14	140 mm		
				16	160 mm		
6	-		Description	-	Standard		C Asymmetrical joint with single girder
7,8	16		Wheelbase	<u>Wheelbase dimension</u>		<u>Applicable end truck</u>	
				13	1250 mm		RSN09
				16	1600 mm		RSN09, RSN11, RSN14, RSN16
				20	2000 mm		RSN09, RSN11, RSN14, RSN16
				25	2500 mm		RSN09, RSN11, RSN14, RSN16
				32	3150 mm		RSN11, RSN14, RSN16
				40	4000 mm		RSN14, RSN16
				45	4500 mm		RSN16
9,10	65	BT08	Groove width	<u>Range</u>	<u>End truck</u>	<u>Available groove widths</u>	<u>Min. wheel groove</u>
				50-70 mm	RSN09	50, 55, 60, 65, 70 mm	Rail width + 10 mm
				52-87 mm	RSN11	52, 57, 62, 67, 72, 77, 82, 87 mm	Rail width + 12 mm
				54-84 mm	RAN14	54, 59, 64, 69, 74, 79, 84 mm	Rail width + 14 mm
				54-84 mm	RSN16	54, 59, 64, 69, 74, 79, 84 mm	Rail width + 14 mm
11	-		Number of drive wheels	-	One drive wheel / truck		
				D	Two drive wheels / truck		
12,14	400		Joint type	EBN09	400		Profile or box girder, max flange width 400 mm
				EBN11	400		Profile or box girder, max flange width 400 mm
				EBN14	400		Profile or box girder, max flange width 400 mm
				EBN16	350		Profile or box girder, max flange width 350 mm
				EBN16	450		Box girder, max flange width 450 mm
15-17	200		Joint plate height	EBN09	200, 215		
				EBN11	255		
				EBN14	255		
				EBN16	255, 305		200 mm, 215 mm, 255 mm, 305 mm
18	C	BT19	Buffer size/type	RSN09	A, B, C		A...C Rubber buffers
				RSN11	A, B, C, K, G, E		K, G, E Polyurethane buffers
				RSN14	B, C, D, K, G, E, M, F, H, P		M,F,H,P Polyurethane buffers
				RSN16	B, C, D, K, G, E, M, F, H, P		0 No buffer
19-22	0000		Bolt joint distance	XXXX	Joint plate distance from bolt centers – double girder		0000 Single girder
23	-		Color code	-	Standard primary paint		K Standard finishing paint
24	N		Special properties	N	Standard		E Special



2.2 RT Top-running End Truck

RT	50	-	27	80	-	K5	0500	C	0000	-	N
1,2	3,4	5	6,7	BT08 8,9	10	11,12	13-16	BT19 17	18-21	22	23

Pos.	Code	Feature code	Feature	Available properties
1,2	RT		Short product name	RT R&M
3,4	50		Wheel diameter	09 90 mm 11 110 mm 14 140 mm 20 200 mm 25 250 mm 32 320 mm 50 500 mm
5	-		Description	- Standard B Bogie (with RT20, -25, -32, -50) C Asymmetrical joint with single girder
6,7	27		Wheelbase	<u>Wheel base dimension</u> 14 1400 mm 18 1800 mm 22 2200 mm 27 2700 mm 31 3100 mm 38 3800 mm 45 4500 mm 50 5000 mm 55 5500 mm <u>End Truck</u> RT09, RT11, RT14 RT09, RT11, RT14, RT20 RT09, RT11, RT14, RT20, RT25, RT32, RT50 RT11, RT14, RT20, RT25, RT32, RT50 RT14, RT20, RT25, RT32, RT50 RT14, RT20, RT25, RT32, RT50 RT25, RT32, RT50 RT25, RT32, RT50 RT25, RT32, RT50
8,9	80	BT08	Groove width, mm	<u>End Truck</u> 50-65 RT09 50-75 RT11, RT14 55-100 RT20, RT25, RT32, RT50 (100 is 99 in code)
10	-		Number of driving wheels	- One driving wheel/end carriage D Two driving wheels/end carriage S One driving wheel/travel bogie pair D Two driving wheels/travel bogie pair
11,12	K5		Joint type	<u>Top joints</u> P3 4-bolt connection (B<300mm) RT09 P4 4-bolt connection (B<350mm) RT11, RT14 P6 4-bolt connection (B<550mm) RT11, RT14 L3 8-bolt connection (B<300mm) RT20 L4 8-bolt connection (B<410mm) RT20 L5 8-bolt connection (B<520mm) RT20 K5 12-bolt connection (B<520mm) RT25, RT32, RT50 K7 12-bolt connection (B<740mm) RT25, RT32, RT50 <u>Side joints</u> R3 RT20 R4 RT20 R5 RT20
13-16	0500		Bolt joint distance, mm	#### Joint plates distance between alignment pin centers with double girder. 0000 With single girder, dimension from driving wheel to pin with asymmetrical joint.
17	C	BT19	Buffer type	RT09 A, B, C, D RT11 A, B, C, D RT14 A, B, C, D RT20 A, B, C, D, E, F, G, H, I, M, K, P, S RT25 B, C, D, E, F, G, H, I, M, K, P, S RT32 B, C, D, E, F, G, H, I, M, K, P, S RT50 B, C, D, E, F, G, H, I, M, K, P, S A...D Rubber buffers E...S Polyurethane buffers 0 No buffer
18-21	0000		Bogie inner wheel distance, mm	0000 No bogie type end carriage
22	-		Color code	- Standard primary paint K Standard finishing paint
23	N		Special properties	N Standard E Special



2.3 RTN and RTL Top-running End Truck

RTN	09	-	16	60	-	A3	0000	C	0000	-	N
1-3	4,5	6	7,8	BT08 9,10	11	12,13	14-17	BT19 18	19-22	23	24

Pos.	Code	Feature code	Feature	Available properties							
1-3	RTN		Product name	RTN R&M end truck series – new generation RTL R&M end truck series – new generation							
4,5	09		Wheel diameter	<u>Code</u>	<u>Wheel diameter</u>	<u>End truck</u>	<u>Code</u>	<u>Wheel diameter</u>	<u>End truck</u>		
				09	90 mm	RTN, RCL	20	200 mm	RTN		
				11	110 mm	RTN	25	250 mm	RTN		
				14	140 mm	RTN	32	315 mm	RTN		
				16	160 mm	RTN	40	400 mm	RTN		
6	-		Description	-	Standard			C	Asymmetrical joint location with single girder		
				B	Bogie						
7,8	16		Wheelbase	<u>Wheelbase dimension</u>	<u>Applicable end truck</u>						
				12	1200 mm	RTN20B, RTN25B					
				13	1250 mm	RTN09, RTL09					
				14	1400 mm	RTN20B, RTN25B, RTN32B, RTN40B					
				16	1600 mm	RTN09, RTL09, RTN11, RTN14, RTN16, RTN20, RTN20B, RTN25B, RTN32B, RTN40B					
				18	1800 mm	RTN20B, RTN40B					
				20	2000 mm	RTN09, RTL09, RTN11, RTN14, RTN16, RTN20, RTN20B, RTN25B, RTN32B, RTN40B					
				22	2200 mm	RTN25B					
				25	2500 mm	RTN09, RTN11, RTN14, RTN16, RTN20, RTN25, RTN32, RTN40					
				32	3150 mm	RTN11, RTN14, RTN16, RTN20, RTN25, RTN32, RTN40					
				35	3500 mm	RTN14					
				40	4000 mm	RTN14, RTN16, RTN20, RTN25, RTN32, RTN40					
				45	4500 mm	RTN20, RTN25, RTN32, RTN40					
				50	5000 mm	RTN32, RTN40					
				55	5500 mm	RTN32, RTN40					
9,10	60	BT08	Groove width, mm	<u>Range</u>	<u>End truck</u>	<u>Min. wheel groove</u>	<u>Range</u>	<u>End truck</u>	<u>Min. wheel groove</u>		
				50-70	RTN09, RTL09	Rail width + 10 mm	54-99	RTN25	Rail width + 14 mm		
				52-87	RTN11	Rail width + 12 mm	54-94	RTN20, RTN32	Rail width + 14 mm		
				54-84	RTN14	Rail width + 14 mm	55-105	RTN40	Rail width + 15 mm		
				54-84	RTN16	Rail width + 14 mm					
				Wheel grooves available in 5 mm increments			See RTN end truck technical guide for wheel groove width rules				
11	-		Number of drive wheels	-	One drive wheel / truck						
				D	Two drive wheels / truck						
12,13	A3		Joint type	<u>Top joint connection</u>	<u>End truck</u>	<u>Top joint connection</u>	<u>End truck</u>				
				A3	4-bolts (flg width < 300mm)	RTN/L09	H4	12-bolts (flg width < 410mm)	RTN25		
				A4	4-bolts (flg width < 400mm)	RTN11	H5	12-bolts (flg width < 520mm)	RTN25		
				A6	4-bolts (flg width < 600mm)	RTN11	H7	12-bolts (flg width < 740mm)	RTN25		
				B4	8-bolts (flg width < 350mm)	RTN16	H9	12-bolts (flg width < 990mm)	RTN25		
				B6	8-bolts (flg width < 550mm)	RTN16	K4	12-bolts (flg width < 410mm)	RTN32, RTN40		
				L3	8-bolt s(fl g width < 300mm)	RTN20	K5	12-bolts (flg width < 520mm)	RTN32, RTN40		
				L4	8-bolts (flg width < 410mm)	RTN20	K7	12-bolts (flg width < 740mm)	RTN32, RTN40		
				L5	8-bolts (flg width < 520mm)	RTN20	K9	12-bolts (flg width < 990mm)	RTN32, RTN40		
				L6	8-bolts (flg width < 630mm)	RTN20	J1-J0	Shear ring connection	RTN40		
				<u>Side joint</u>	<u>End Truck</u>	<u>Side joint</u>	<u>End Truck</u>				
				R3	8- top & 2-side bolts	RTN20	Q4	12- top & 4-side bolts	RTN32		
				R4	8- top & 2-side bolts	RTN20	Q5	12- top & 4-side bolts	RTN32		
				R5	8- top & 2-side bolts	RTN20	Q6	12- top & 6-side bolts	RTN32		
				R6	8- top & 2-side bolts	RTN20	Q7	12- top & 4-side bolts	RTN32		
				F4	8- top & 4-side bolts	RTN25	Q8	12- top & 6-side bolts	RTN32		
				F5	12- top & 4-side bolts	RTN25	Q9	12- top & 4-side bolts	RTN32		
				F7	12- top & 4-side bolts	RTN25	Q0	12- top & 6-side bolts	RTN32		
				F8	12- top & 4-side bolts	RTN25	S6	12- top & 6-side bolts	RTN40		
							S7	12- top & 6-side bolts	RTN40		
							S8	12- top & 6-side bolts	RTN40		
14-17	0000		Bolt joint distance, mm	####	The distance between for two joint plates for a double girder crane. It is the distance from alignment pins.			0000	Dimension from drive wheel to joint plate pin when the joint plate is positioned asymmetrically for a single girder crane.		



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Product Code Descriptions

September 2015

18	C	BT19	Buffer type	RTN/RTL09 A, B, C, K, G, E RTN11 A, B, C, K, G, E RTN14 A, B, C, D, K, G, E, M, F, H, P RTN16 A, B, C, D, K, G, E, M, F, H, P RTN20 A, B, C, D, K, G, E, M, F, H, P, I, S RTN25 A, B, C, D, K, G, E, M, F, H, P, I, S	RTN32 B, C, D, K, G, E, M, F, H, P, I, S, T, Y RTN40 B, C, D, K, G, E, M, F, H, P, I, S, T, Y A, B, C, D Rubber buffers K, G, E, M, F Polyurethane buffers H, P, I, S, T, Y Polyurethane buffers 0 No buffer included
19-22	0000		Bogie inner wheel distance, mm	0000 No bogie type end carriage	
23	-		Color code	- Standard primary paint	K Standard finishing paint
24	N		Special properties	N Standard	E Special



2.4 RU and RH Under-running End Truck

RU	08	-	23	080	-	SA3	0000	C	0000	-	N
1,2	3,4	5	6,7	BT08 8,9,10	11	12,13,14	15-18	BT19 19	20-23	24	25

Position	Code	Feature code	Feature	Available properties		
1,2	RU		Product name	RU RH	R&M end truck series; Platform series (UU); I-beam truck frame R&M end truck series; Platform series (UR); U-shape truck frame	
3,4	08		Wheel diameter	08 10 13 20	80 mm 100 mm 125 mm 200 mm	
5	-		Description	- B C	Standard Bogie Asymmetrical joint for single girder	
6,7	23		Wheelbase	<u>Wheel base dimension</u> 12 14 18 23 28 32 35 40	<u>Applicable end truck</u> RU08, RU10, RU13 RU08, RU10, RU13, RH10, RH13 RU08, RU10, RU13, RU20, RH10, RH13 RU08, RU10, RU13, RU20, RH10, RH13 RU08, RU10, RU13, RU20, RH10, RH13 RU10, RU13, RU20, RH13 RU10, RU13, RU20, RH13 RU20	
8-10	080		Runway flange width	Code 073-313 083-322 100-343 127-418	<u>Flange width range, applicable end truck</u> 73-313 mm, RU08 (63...158 mm special flange range with patented track wheels) 83-322 mm, RU10, RH10 (61...157 mm flange range with patented track wheels) 100-343 mm, RU13, RH13 (61...223 mm flange range with patented track wheels) 127-418 mm, RU20 (No patented track wheels available for RU20 or RH20)	
11	-		Number of bridge drives	- D S D	One drive / end truck Two drives / end truck One drive / bogie truck Two drives / bogie truck	
12-14	SA3		Joint type	<u>Code</u> SA3 SB4 SC3 SC4 SC5 SD3 SD4 SD5 HB4 HC3 HC4 HC5 HD3 HD4 HD5	<u>Bolted joint connection with joint plate</u> 4-bolt connection, M16 bolt (flange width < 300 mm) 4-bolt connection, M20 bolt (flange width < 410 mm) 8-bolt connection, M20 bolt (flange width 200 mm - 310 mm) 8-bolt connection, M20 bolt (flange width 300 mm - 410 mm) 8-bolt connection, M20 bolt (flange width 410 mm - 510 mm) 12-bolt connection, M20 bolt (flange width 200 mm - 310 mm) 12-bolt connection, M20 bolt (flange width 300 mm - 410 mm) 12-bolt connection, M20 bolt (flange width 410 mm - 510 mm) 4-bolt connection, M20 bolt (flange width < 410mm) 8-bolt connection, M20 bolt (flange width 200 mm - 310 mm) 8-bolt connection, M20 bolt (flange width 300 mm - 410 mm) 8-bolt connection, M20 bolt (flange width 410 mm - 510 mm) 16-bolt connection, M20 bolt (flange width 200 mm - 310 mm) 16-bolt connection, M20 bolt (flange width 300 mm - 410 mm) 16-bolt connection, M20 bolt (flange width 410 mm - 510 mm)	



				<u>Code</u>	<u>Bolted joint connection without joint plate</u>	<u>Applicable end truck</u>
				BA1	4-bolt connection, M16 bolt (flange width 154 mm – 203 mm)	RU08
				BA2	4-bolt connection, M16 bolt (flange width 204 mm – 253 mm)	RU08
				BA3	4-bolt connection, M16 bolt (flange width 254 mm – 320 mm)	RU08
				BB2	4-bolt connection, M20 bolt (flange width < 265 mm)	RU10
				BB3	4-bolt connection, M20 bolt (flange width < 315 mm)	RU10
				BB4	4-bolt connection, M20 bolt (flange width < 415 mm)	RU10
				BB5	4-bolt connection, M20 bolt (flange width < 450 mm)	RU10
				BC3	8-bolt connection, M20 bolt (flange width < 315 mm)	RU13
				BC4	8-bolt connection, M20 bolt (flange width < 415 mm)	RU13
				BC5	8-bolt connection, M20 bolt (flange width < 450 mm)	RU13
				BD3	12-bolt connection, M20 bolt (flange width < 400 mm)	RU20
				BD4	12-bolt connection, M20 bolt (flange width < 500 mm)	RU20
				BD5	12-bolt connection, M20 bolt (flange width < 600 mm)	RU20
				KB2	4-bolt connection, M20 bolt (flange width 216 mm - 265 mm)	RH10
				KB3	4-bolt connection, M20 bolt (flange width 266 mm - 315 mm)	RH10
				KB4	4-bolt connection, M20 bolt (flange width 316 mm - 415 mm)	RH10
				KB5	4-bolt connection, M20 bolt (flange width 416 mm - 450 mm)	RH10
				KC3	8-bolt connection, M20 bolt (flange width 266 mm – 315 mm)	RH13
				KC4	8-bolt connection, M20 bolt (flange width 316 mm - 415 mm)	RH13
				KC5	8-bolt connection, M20 bolt (flange width 316 mm - 415 mm)	RH13
				KD3	16-bolt connection, M20 bolt (flange width 266 mm – 315 mm)	RH20
				KD4	16-bolt connection, M20 bolt (flange width 316 mm - 415 mm)	RH20
				KD5	16-bolt connection, M20 bolt (flange width 316 mm - 415 mm)	RH20
				<u>Code</u>	<u>Welded without joint plate</u>	<u>Applicable end truck</u>
				WA_		RU08
				WB_		RU10
				WC_		RU13
				WD_		RU20
				<u>Code</u>	<u>Special joint</u>	<u>Applicable end truck</u>
				000	Special joint –design by the crane builder	RU, RH
15-18	0000		Bolt joint distance, mm	####	The distance between for two joint plates for a double girder crane. It is the distance from alignment pins.	0000 Dimension from drive wheel to joint plate pin when the joint plate is positioned asymmetrically for a single girder crane.
19	C	BT19	Buffer type	RU08 RU10, RH10 RU13, RH13 RU20, RH20	A, B, C, K, G, E A, B, C, K, G, E A, B, C, D, K, G, E, M, F A, B, C, D, K, G, E, M, F, H, P	A, B, C, D Rubber buffers K, G, E, M, F, H, P Polyurethane buffers 0 No buffer
20-23	0000		Bogie inner wheel distance, mm	0000	Standard, (Not a bogie end truck configuration)	
24	-		Color code	- K	Standard primary paint Standard finishing paint	
25	N		Special properties	N E	Standard Special	



3 TRAVELING MACHINERIES PRODUCT CODE

3.1 GE Drive

GE	K	1	06	P	T	1	B	O	F06MA	200-6400	N
1,2	3	4	5,6	7	TG05 8	TG06 9	10	11	12-16	17-24	25

Pos.	Code	Feature code	Feature	Available properties	
1,2	GE		Gear	GE	
3	K		Type	K Specific Trolley Drive (WRH) L Specific Trolley Drive (ECH) M Hollow shaft	S Solid shaft T Reserved N Reserved
4	1		Machinery size (Torque Range)	1 0 Nm < T ₂ < 50 Nm 2 16 Nm < T ₂ < 125 Nm 3 40 Nm < T ₂ < 320 Nm	4 100 Nm < T ₂ < 800 Nm 5 250 Nm < T ₂ < 2000 Nm 6 630 Nm < T ₂ < 5000 Nm
5,6	06		Ratio code	01... 1 st mark: 0, 1, 2 ... 9, A (=10), B(=11),99... 2 nd mark: 0, 1, 2 ... 9 ...H9 e.g. A0≡100, B0≡110, G5≡165, etc.	
7	P		Options	P Standard, no options (plain) F Flywheel	G Gantry type gear (RES4, RES5) V Stronger version (RES320V, RES316V, RES313V with MF06LB motor)
8	T	TG05	Secondary shaft type	T Driving Pinion K Keyway S Spline	D Spline + Plain E Reserved (Special)
9	1	TG06	Version type	1...9 Versioning of machinery e.g. spline size, shaft size	
10	B		Color	B B-Black (Dark grey)	
11	O		Future reservation	O No feature	
12-16	F06MA		Motor type and size	F Motor type code (B, F, T, etc.) 06 Frame size (e.g. 06, 07...) M Stator length (S, M, L, Z, E) A Power code (A, B, C...)	
17-24	200-6400		Motor ID-code	ID of the motor, if special then Winding data and Power supply data: 200-6400 (fourth mark, pos 20 "dash") 200 Number of HS- and LS-polepairs - Filling mark "dash" 5 Power Supply frequency: 5-50Hz, 6-60Hz 400 Power supply Voltage, e.g. 380, 400, ...	
25	N		Order type	E Special Order, details defined with P.O. N Normal Order (e.g. Standard Motor)	



3.2 QM Bridge Drive

QM	06	H	045	NA	F	10	Z	M	2	A	-	6	400	Y	C
TG01 1,2	TG02 3,4	5	TG03 6-8	9,10	11	12,13	14	15	16	17	18	(ELE03) 19	ELE01 20-22	BM03 23	(BM07) 24

Pos.	Code	Feature code	Feature	Available properties
1,2	QM		Machinery type	QM
3,4	06	TG02	Size of the gear	06, 07, 09, 10
5	H		Gearbox type	H Helical gear K Bevel gear
6-8	045	TG03	Gear ratio code	QM06 022, 045, 090 QM07 028, 056, 112 QM09K 012, 014, 018, 022, 028, 036, 045, 056, 071, 080 QM10 014, 018, 022, 028, 036, 045, 056, 071, 090, 112, 140, 180, 230, 280 QM10K 018, 022, 028, 036, 045, 056, 071, 090, 112
9,10	NA		Gear options	N_ Standard _A Shaft arrangement A L_ Foot-mounted _B Shaft arrangement B
11	F		Type of motor	F Enclosed squirrel-cage motor equipped with brake
12,13	10		Size of motor	10 11 Motor size (number states shaft height of a foot mounted motor in centimeters) 13
14	Z		Length of motor frame	M Z Defines motor stator and frame length (from shorter to longer M...Z...X) X
15	M		Winding power variant	M Lower power variant N Higher power variant
16	2		Number of pole pairs	2 Defines nominal speed of the motor
17	A		Code of winding	A 320-360V 50/87 Hz 380-415V 60/100 Hz P 380-415V 50/87 Hz 440-480V 60/100 Hz Z 500-525V 50/87 Hz 575-600V 60/100 Hz
18	-		Motor options	- Standard motor without options S Motor with options selected from options list X Motor with extra options
19	6	(ELE03)	Frequency of supply network	<u>ELE03 value</u> 5 50 Hz 6 60Hz
20-22	400	ELE01	Voltage of supply network	400 400 V
23	Y	BM03	Winding connection	D Inverter control Delta-connected (87 Hz and 100 Hz). Y Inverter control Star-connected (50 Hz and 60 Hz)
24	C	(BM07)	Frequency of motor	<u>BM07 value</u> A 50 Hz C 60 Hz E 87 Hz G 100 Hz



4 POWER SUPPLY PACKAGE PRODUCT CODE

4.1 Electrification Package – Spacemaster® SX WRH and LoadMate and LK ECH

QQ	S	M	S	1	2	L	6	B	P3	76	105	-
1,2	3	4	BT03	5	(GE09)	DES01	(GE16)	(DIM03)	(HM01) (HM02)	(ELE01)	DIM18	18
1,2	3	4	5	6	7	8	9	10	11,12	13,14	15-17	18

Pos.	Code	Feature code	Feature	Available properties	
1,2	QQ		Crane layout	QQ Wire rope hoist, crane with moveable pendant QM Wire rope hoist, monorail system	XQ Chain hoist crane XM Chain hoist, monorail system
3	S		Type of power supply	S Festoon - Flat cables C Conductor rails	E NRGmaster (Energy chain electrification system; requires radio controls)
4	M		Power supply for	C Crane M Hoist/trolley and pushbutton pendant	H Hoist P Pushbutton pendant
5	S	BT03	Crane type	S Single girder, top running U Single girder, under running D Double girder	C Compact crane M Monorail hoist
6	1		Number of hoists	1 1 hoist/bridge 2 2 hoist/bridge 3 3 hoist/bridge	
7	2	(GE09)	Hoist frame size	0 SX1: ø243 mm rope drum 1 SX2/SX3: ø303 mm rope drum 2 SX4: ø355 mm rope drum 3 SX5: ø406 mm rope drum	<u>GE09 value</u> Z 4 SX6: ø608 mm rope drum 5 SX7: ø608 mm drum + 2 motors 7 Chain hoist frame size D E 10, 16, 25
8	L	DES01	Trolley type	L Low headroom trolley H Double girder trolley (high connection) M Double girder trolley (medium connection) W Double girder trolley (low connection) N Normal headroom trolley	F Fixed hoist J Special low headroom trolley V Machinery hoist X Special trolley
9	6	(GE16)	Main girder height	1...9 Height 100...900mm, e.g. 400 mm = 4 Note: Monorail = 9 -> Height > 900 mm X Height > 900 mm	e.g. GE16 value = 100...900
10	B	(DIM03)	Flange width (B-measure)	0 Double girder trolleys A 80...229 mm B 230...379 mm C 380...529 mm D 530...690 mm	e.g. DIM03 value = 80 (mm)
11,12	P3	(HM01) (HM02)	Hoisting motor type/size	<u>Hoisting motor type</u> P Pole change motor 6:1 (Q-hoist) T Inverter-duty motor (Q-hoist) A ASR inverter-duty motor (Q-hoist) S ESR Inverter-duty motor (Q-hoist) R Pole change motor 3:1 (Q-hoist) C Cast iron pole change motor (Q-hoist) E Ex-proof pole change motor (Q-hoist) O Single speed motor (Q-hoist) 1 Two-speed motor (chain hoist) 2 Single speed motor (chain hoist) 3 Inverter-duty motor (chain hoist) 4 Two-speed motor (chain hoist) - Undefined	<u>Hoisting motor size</u> X Nom. power 1.5 kW / 50 Hz 1 Nom. power 1.8 kW / 50 Hz Z Nom. power 2.5 kW / 50 Hz 2 Nom. power 3.6 kW / 50 Hz 3 Nom. power 4.5 kW / 50 Hz 4 Nom. power 7.5 kW / 50 Hz 5 Nom. power 9 kW / 50 Hz 6 Nom. power 15 kW / 50 Hz 7 Nom. power 18 kW / 50 Hz 8 Nom. power 23 kW / 50 Hz 9 Nom. power 28 kW / 50 Hz A Nom. power 35 kW / 50 Hz B Chain hoist: Nom. Power 0.5 kW / 50Hz A Chain hoist: Nom. Power 1.0 kW / 50Hz F 2 x 15 kW = 30 kW (MF13) H 2 x 18 kW = 36 kW (MF13) J 2 x 23 kW = 44 kW (MF13) K 2 x 28 kW = 56 kW (MF13) - Undefined
13,14	76	(ELE01)	Main voltage range	20 50 Hz: (U/10) - 20, Example (400 V / 10) - 20 = 20 76 60 Hz: (U/10) + 30, Example (460 V / 10) + 30 = 76	e.g. ELE01 value = 400 (V)
15-17	105	DIM18	Span/length of runway	<u>DIM18 value</u> 095 9.5 m 105 10.5 m	
18	-		Special properties	- Standard E Special	



4.2 Electrification Package – Spacemaster® SXL WRH

UC	S	M	D	1	9	M	X	0	YC	76	105	-
1,2	3	4	BT03	6	(GE09)	DES01	(GE16)	(DIM03)	(HM01) (HM02)	(ELE01)	DIM18	-
									11,12	13,14	15-17	18

Pos.	Code	Feature code	Feature	Available properties																																				
1,2	UC	PS46	Crane layout	UC	C-rail festoon for SXL hoist																																			
				UI	I-beam festoon for SXL hoist																																			
3	S	PS01/PS02	Type of power supply	S	Festoon - Flat cables																																			
				C	Conductor rails																																			
4	M		Power supply for	C	Crane																																			
				M	Hoist/trolley and pushbutton pendant																																			
				H	Hoist																																			
5	D	BT03	Crane type	D	Double girder																																			
6	1		Number of hoists	1	1 hoist/bridge																																			
				2	2 hoist/bridge																																			
7	9	(GE09)	Hoist frame size	<table border="0"> <tr> <td colspan="2"><u>Without crane service platform</u></td> <td><u>GE09 value</u></td> <td colspan="2"><u>With crane service platform</u></td> <td><u>OTH03 - YES</u></td> <td><u>GE09 value</u></td> </tr> <tr> <td></td> <td></td> <td>UM17</td> <td></td> <td></td> <td></td> <td>UM17</td> </tr> <tr> <td>9</td> <td>SXL hoist</td> <td>UM18</td> <td></td> <td>F</td> <td>SXL hoist</td> <td>UM18</td> </tr> <tr> <td></td> <td></td> <td>UM19</td> <td></td> <td></td> <td></td> <td>UM19</td> </tr> <tr> <td></td> <td></td> <td>UM20</td> <td></td> <td></td> <td></td> <td>UM20</td> </tr> </table>		<u>Without crane service platform</u>		<u>GE09 value</u>	<u>With crane service platform</u>		<u>OTH03 - YES</u>	<u>GE09 value</u>			UM17				UM17	9	SXL hoist	UM18		F	SXL hoist	UM18			UM19				UM19			UM20				UM20
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9	SXL hoist	UM18		F	SXL hoist	UM18																																		
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8	M	DES01	Trolley type	M	Double girder trolley (medium connection)																																			
				X	Special trolley																																			
9	X	(GE16)	Main girder height	1...9	Height 100...900mm, e.g. 400 mm = 4																																			
				X	Height > 900mm																																			
					e.g. GE16 value = 100...900																																			
10	0	(DIM03)	Flange width (B-measure)	0	Double girder trolleys																																			
11,12	YC	(HM17) (HM18)	Hoisting motor type/size	<table border="0"> <tr> <td><u>HM17 Hoisting motor type</u></td> <td><u>HM18 Hoisting motor size</u></td> </tr> <tr> <td>Y</td> <td>B</td> <td>MF13XR200</td> </tr> <tr> <td>D</td> <td>C</td> <td>MF16ZR200</td> </tr> <tr> <td>-</td> <td>D</td> <td>MF18XR200</td> </tr> <tr> <td></td> <td>E</td> <td>MF22LR200</td> </tr> <tr> <td></td> <td>-</td> <td>Undefined</td> </tr> </table>		<u>HM17 Hoisting motor type</u>	<u>HM18 Hoisting motor size</u>	Y	B	MF13XR200	D	C	MF16ZR200	-	D	MF18XR200		E	MF22LR200		-	Undefined																		
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13,14	76	(ELE01)	Main voltage range	20	50 Hz: (U/10) - 20, example (400 V / 10) - 20 = 20																																			
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15-17	105	DIM18 / DIM13	Span/length of runway	<u>DIM18 / DIM13 value</u> 095 9.5 m 105 10.5 m																																				
18	-		Special properties	-	Standard																																			
				E	Special																																			



5 CONTROL PANEL PRODUCT CODE

5.1 Bridge Panel for Wire Rope Hoist Crane Package

BP 1-6	P (HM01) 7	2 (HM02) 8	- 9	2 10	2 (TR01) 11	2 (BT01) 12	4 13	V3 PE13 14-15	- 16	20 (ELE01) 17-18	H (ELE02) 19	0 20
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Pos.	Code	Feature code	Feature	Available properties																																																																									
1-6	BP		Product name	BP Spacemaster SX wire rope hoist (Q hoist) BCR Spacemaster SXL wire rope hoist (UM hoist)																																																																									
7	P	(HM01)	Hoist motor type	<table border="0"> <tr> <td colspan="2"><u>Spacemaster SX wire rope hoist</u></td> <td><u>HM01 value</u></td> <td colspan="2"><u>Spacemaster SXL wire rope hoist</u></td> <td><u>HM017 value</u></td> </tr> <tr> <td>P</td> <td>Pole change motor</td> <td>P</td> <td>Y</td> <td>Hoist motor connection type</td> <td>Y</td> </tr> <tr> <td>A</td> <td>ASR inverter-duty motor</td> <td>A</td> <td>D</td> <td>Hoist motor connection type</td> <td>D</td> </tr> <tr> <td>S</td> <td>ESR inverter-duty motor</td> <td>S</td> <td></td> <td></td> <td></td> </tr> <tr> <td>T</td> <td>Frequency converter motor</td> <td>T</td> <td></td> <td></td> <td></td> </tr> <tr> <td>R</td> <td>Pole change motor 3:1</td> <td>R</td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>Cast iron pole change motor</td> <td>C</td> <td></td> <td></td> <td></td> </tr> <tr> <td>E</td> <td>Ex-proof pole change motor</td> <td>E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>O</td> <td>Single speed motor</td> <td>O</td> <td></td> <td></td> <td></td> </tr> </table>	<u>Spacemaster SX wire rope hoist</u>		<u>HM01 value</u>	<u>Spacemaster SXL wire rope hoist</u>		<u>HM017 value</u>	P	Pole change motor	P	Y	Hoist motor connection type	Y	A	ASR inverter-duty motor	A	D	Hoist motor connection type	D	S	ESR inverter-duty motor	S				T	Frequency converter motor	T				R	Pole change motor 3:1	R				C	Cast iron pole change motor	C				E	Ex-proof pole change motor	E				O	Single speed motor	O																						
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8	2	(HM02)	Motor power	<table border="0"> <tr> <td colspan="2"><u>Spacemaster SX wire rope hoist</u></td> <td><u>HM02 value</u></td> <td colspan="2"><u>Spacemaster SX wire rope hoist</u></td> <td><u>HM02 value</u></td> </tr> <tr> <td>X</td> <td>1.5 kW / 50 Hz</td> <td>X</td> <td>A</td> <td>35 kW / 50 Hz (MF13)</td> <td>A</td> </tr> <tr> <td>1</td> <td>1.8 kW / 50 Hz (MF10)</td> <td>1</td> <td>F</td> <td>2 x 15 kW = 30 kW (MF13)</td> <td>F</td> </tr> <tr> <td>Z</td> <td>2.5 kW / 50 Hz</td> <td>Z</td> <td>H</td> <td>2 x 18 kW = 36 kW (MF13)</td> <td>H</td> </tr> <tr> <td>2</td> <td>3.6 kW / 50 Hz (MF10)</td> <td>2</td> <td>J</td> <td>2 x 23 kW = 44 kW (MF13)</td> <td>J</td> </tr> <tr> <td>3</td> <td>4.5 kW / 50 Hz (MF10)</td> <td>3</td> <td>K</td> <td>2 x 28 kW = 56 kW (MF13)</td> <td>K</td> </tr> <tr> <td>4</td> <td>7.5 kW / 50 Hz (MF11)</td> <td>4</td> <td colspan="3"><u>Spacemaster SXL wire rope hoist</u></td> <td><u>HM18 value</u></td> </tr> <tr> <td>5</td> <td>9 kW / 50 Hz (MF11)</td> <td>5</td> <td>B</td> <td>MF13XR200</td> <td>B</td> </tr> <tr> <td>6</td> <td>15 kW / 50 Hz (MF13)</td> <td>6</td> <td>C</td> <td>MF16ZR200</td> <td>C</td> </tr> <tr> <td>7</td> <td>18 kW / 50 Hz (MF13)</td> <td>7</td> <td>D</td> <td>MF18XR200</td> <td>D</td> </tr> <tr> <td>8</td> <td>23 kW / 50 Hz (MF13)</td> <td>8</td> <td>E</td> <td>MF22LR200</td> <td>E</td> </tr> <tr> <td>9</td> <td>28 kW / 50 Hz (MF13)</td> <td>9</td> <td></td> <td></td> <td></td> </tr> </table>	<u>Spacemaster SX wire rope hoist</u>		<u>HM02 value</u>	<u>Spacemaster SX wire rope hoist</u>		<u>HM02 value</u>	X	1.5 kW / 50 Hz	X	A	35 kW / 50 Hz (MF13)	A	1	1.8 kW / 50 Hz (MF10)	1	F	2 x 15 kW = 30 kW (MF13)	F	Z	2.5 kW / 50 Hz	Z	H	2 x 18 kW = 36 kW (MF13)	H	2	3.6 kW / 50 Hz (MF10)	2	J	2 x 23 kW = 44 kW (MF13)	J	3	4.5 kW / 50 Hz (MF10)	3	K	2 x 28 kW = 56 kW (MF13)	K	4	7.5 kW / 50 Hz (MF11)	4	<u>Spacemaster SXL wire rope hoist</u>			<u>HM18 value</u>	5	9 kW / 50 Hz (MF11)	5	B	MF13XR200	B	6	15 kW / 50 Hz (MF13)	6	C	MF16ZR200	C	7	18 kW / 50 Hz (MF13)	7	D	MF18XR200	D	8	23 kW / 50 Hz (MF13)	8	E	MF22LR200	E	9	28 kW / 50 Hz (MF13)	9			
<u>Spacemaster SX wire rope hoist</u>		<u>HM02 value</u>	<u>Spacemaster SX wire rope hoist</u>		<u>HM02 value</u>																																																																								
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10	2			Number of hoists on the bridge																																																																									
11	2	(TR01)	Trolley travel control	<table border="0"> <tr> <td colspan="2"></td> <td><u>TR01 value</u></td> <td colspan="3"><u>TR01 value</u></td> </tr> <tr> <td>1</td> <td>1-speed</td> <td>1SP</td> <td>M</td> <td>CM Select / CM LDR mounted in bridge panel</td> <td>D2M / TDN</td> </tr> <tr> <td>2</td> <td>2-speed</td> <td>2SP</td> <td>N</td> <td>CM Select / CM LDR mounted on trolley</td> <td>D2M / TDN</td> </tr> <tr> <td>C</td> <td>CM Elite mounted in bridge panel</td> <td>D2C</td> <td>Q</td> <td>CMXC / CM NXT mounted on trolley</td> <td>DYD / TMK</td> </tr> <tr> <td>D</td> <td>CM Elite mounted on trolley</td> <td>D2C</td> <td></td> <td></td> <td></td> </tr> </table>			<u>TR01 value</u>	<u>TR01 value</u>			1	1-speed	1SP	M	CM Select / CM LDR mounted in bridge panel	D2M / TDN	2	2-speed	2SP	N	CM Select / CM LDR mounted on trolley	D2M / TDN	C	CM Elite mounted in bridge panel	D2C	Q	CMXC / CM NXT mounted on trolley	DYD / TMK	D	CM Elite mounted on trolley	D2C																																														
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D	CM Elite mounted on trolley	D2C																																																																											
12	2	(BT01)	Bridge travel control	<table border="0"> <tr> <td colspan="2"></td> <td><u>BT01 value</u></td> <td colspan="3"><u>BT01 value</u></td> </tr> <tr> <td>1</td> <td>1-speed</td> <td>1SP</td> <td>M</td> <td>CM Select VFD</td> <td>D2M</td> </tr> <tr> <td>2</td> <td>2-speed</td> <td>2SP</td> <td>M</td> <td>CM LDR VFD</td> <td>TDN</td> </tr> <tr> <td>C</td> <td>CM Elite VFD</td> <td>D2C</td> <td>Q</td> <td>CMXC VFD</td> <td>DYD</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Q</td> <td>CM NXT VFD</td> <td>TMK</td> </tr> </table>			<u>BT01 value</u>	<u>BT01 value</u>			1	1-speed	1SP	M	CM Select VFD	D2M	2	2-speed	2SP	M	CM LDR VFD	TDN	C	CM Elite VFD	D2C	Q	CMXC VFD	DYD				Q	CM NXT VFD	TMK																																											
		<u>BT01 value</u>	<u>BT01 value</u>																																																																										
1	1-speed	1SP	M	CM Select VFD	D2M																																																																								
2	2-speed	2SP	M	CM LDR VFD	TDN																																																																								
C	CM Elite VFD	D2C	Q	CMXC VFD	DYD																																																																								
			Q	CM NXT VFD	TMK																																																																								
13	4		Panel size	<table border="0"> <tr> <td>4</td> <td>Height 400 mm, depth 250 mm (EEC) *</td> <td>A</td> <td>Height 1000 mm, depth 350 mm (KA220)</td> </tr> <tr> <td>6</td> <td>Height 600 mm, depth 250 mm (EEF) *</td> <td>B</td> <td>Height 1500 mm, depth 250 mm (H15)</td> </tr> </table>	4	Height 400 mm, depth 250 mm (EEC) *	A	Height 1000 mm, depth 350 mm (KA220)	6	Height 600 mm, depth 250 mm (EEF) *	B	Height 1500 mm, depth 250 mm (H15)																																																																	
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14-15	V3	PE13	Selection of the hoists	<table border="0"> <tr> <td>V2</td> <td>Selection I or II, Two hoists controlled separately, one at time</td> <td>00</td> <td>Without selection</td> </tr> <tr> <td>V3</td> <td>Selection I, I+II, II, Two hoists controlled one at time or common controls (I+II)</td> <td>VE</td> <td>Special selection</td> </tr> </table>	V2	Selection I or II, Two hoists controlled separately, one at time	00	Without selection	V3	Selection I, I+II, II, Two hoists controlled one at time or common controls (I+II)	VE	Special selection																																																																	
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16	-																																																																												
17-18	20	(ELE01)	Main voltage	<table border="0"> <tr> <td>20</td> <td>50 Hz: (Main voltage / 10) – 20</td> <td>e.g. (400 V/ 10) – 20 = 20</td> <td rowspan="2">e.g. ELE01 value = 400 (V)</td> </tr> <tr> <td>76</td> <td>60 Hz: (Main voltage / 10) + 30</td> <td>e.g. (460 V/ 10) + 30 = 76</td> </tr> </table>	20	50 Hz: (Main voltage / 10) – 20	e.g. (400 V/ 10) – 20 = 20	e.g. ELE01 value = 400 (V)	76	60 Hz: (Main voltage / 10) + 30	e.g. (460 V/ 10) + 30 = 76																																																																		
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19	H	(ELE02)	Control voltage	<table border="0"> <tr> <td colspan="2"></td> <td><u>ELE02 value</u></td> <td colspan="2"><u>ELE02 value</u></td> </tr> <tr> <td>H</td> <td>48 V (Spacemaster SX only)</td> <td>48</td> <td>N</td> <td>230 V</td> </tr> <tr> <td>J</td> <td>115 V</td> <td>115</td> <td></td> <td>230</td> </tr> </table>			<u>ELE02 value</u>	<u>ELE02 value</u>		H	48 V (Spacemaster SX only)	48	N	230 V	J	115 V	115		230																																																										
		<u>ELE02 value</u>	<u>ELE02 value</u>																																																																										
H	48 V (Spacemaster SX only)	48	N	230 V																																																																									
J	115 V	115		230																																																																									
20	0		System features	<table border="0"> <tr> <td>0</td> <td>Standard BP</td> <td>E</td> <td>Special application</td> </tr> </table>	0	Standard BP	E	Special application																																																																					
0	Standard BP	E	Special application																																																																										



5.2 Bridge Panel for Electric Chain Hoist Crane Package

BP	1	1	-	1	Q	Q	4	00	-	76	J	0
1-6	(HM01) 7	(HM02) 8	9	10	(TR01) 11	(BT01) 12	13	PE13 14,15	16	(ELE01) 17,18	(ELE02) 19	20

Pos.	Code	Feature code	Feature	Available properties	
1-6	BP		Product name	BP R&M	
7	1	(HM01)	Hoist motor type	1 Two-speed motor 2 Single-speed motor (not used) 3 Inverter-duty motor	HM01 value 1 2 3
8	2	(HM02)	Motor power	C 1.0 kW / 1.3 hp / 60 Hz, C1/V1 motor 1 2.1 kW / 2.8 hp / 60 Hz, C2/V2 motor 3 4.2 kW / 5.6 hp / 60 Hz, C3/V2 motor	HM02 value C 1 3
9	-				Hoist Model – Motor type (two-speed/inverter) LM05 – C1/V1 motor LM10 – C2/V2 motor LM16 – C3/V3 motor LM20 – C3/V3 motor LM25 – C3/V3 motor
10	1			Number of hoists on the bridge 1 – one hoist on bridge	
11	Q	(TR01)	Trolley travel control	N Freq. control D2M mounted on trolley Q Freq. control DMCS mounted on trolley	TR01 value D2M DYD
12	Q	(BT01)	Bridge travel control	1 1-speed 2 2-speed	BT01 value 1SP 2SP
13	4		Panel size	4 Height 400 mm, depth 250 mm (EEC) * 6 Height 600 mm, depth 250 mm (EEF) *	M CM Select VFD D2M M CM LDR TDN Q CMXC VFD DYD Q CM NXT VFD TMK A Height 1000 mm, depth 350 mm (KA220) *
14,15	00	PE13	Selection of the hoists	V2 Selection I or II, Two hoists controlled separately, one at a time V3 Selection I, I+II, II, Two hoists controlled, one at a time or common controls (I+II)	00 Without selection VE Special selection
16	-				
17,18	76	(ELE01)	Main voltage	20 50 Hz: (Main voltage / 10) – 20 e.g. (400 V/ 10) – 20 = 20 76 60 Hz: (Main voltage / 10) + 30 e.g. (460 V/ 10) + 30 = 76 53 60 Hz: (Main voltage / 10) + 30 e.g. (230 V/ 10) + 30 = 53	e.g. ELE01 value = 400 (V)
19	J	(ELE02)	Control voltage	H 48 V J 115 V	ELE02 value 48 115
20	0		System features	0 Standard BP	N 230 V ELE02 value 230 E Special application



6 CONTROL SYSTEM PRODUCT CODE

6.1 PRQ Push Button Pendant

PRQ	06	2	2	2	1	C	V3	-N	092	PE3	0	0
1-3	(PE11) 4,5	6	7	8	PE12 9	(ELE44) 10	PE13 11,12	13,14	15-17	ELE16 18-20	21	22

Pos.	Code	Feature code	Feature	Available properties
1-3	PRQ	GE01	Product name/Brand	PRQ New pushbutton pendant series
4,5	06	(PE11)	Pendant housing type	02 Housing with 2 holes for buttons 04 Housing with 4 holes for buttons 06 Housing with 6 holes for buttons 10 Housing with 10 holes for buttons all models have Emergency stop button as standard
6	2		Hoisting control type	2 2-step push button 1 1-step push button 0 Without hoisting buttons
7	2		Trolley travel control type	2 2-step push button 1 1-step push button 0 Without trolley travel buttons
8	2		Bridge travel control type	2 2-step push button 1 1-step push button 0 Without bridge travel buttons
9	1	PE12	Main contactor button function	0 No main contactor button 1 Main contactor, push button energizing main contactor. 2 Main contactor + horn, push-button energizing the main contactor and horn at the same time
10	C	(ELE44)	Direction symbols	<u>ELE44 value</u> D DIN and FEM standard DIN F SFS standard (Finnish) FIN C ANSI standard (compass) ANSI L English letters <u>ELE44 value</u> E Special symbols ENG NONSTD
11,12	V3	PE13	Hoist selection switch function	00 Without selection V2 Selection I or II, Two hoists controlled separately, one at time V3 Selection I, I+II, II, Two hoists controlled one at time or common controls (I+II) VE Special selection
13,14	-N		Aux device mounting	-N No extra buttons -Y Extra buttons
15-17	092		Rising cable length	Length is given from the bottom of the P.B. housing to the festoon C-rail 092 9.2 m 135 13.5 m 000 Without cable etc.
18-20	PE3	ELE16	Pendant cable top connector	PE1 Connector connected to the bridge panel (for back-up use) PE2 Connector connected to the hoist panel (monorail wire rope hoist hoists) PE3 Connector connected to the festoon (moveable pendant) 000 Without connector
21	0	(PE21)	Magnet	0 No magnet for pendant housing M Magnet for pendant housing <u>PE21 value</u> YES
22	0		System features	0 Standard - no special features E Special features



6.2 PD Push Button Pendant

PD	12	-	2	2	2	2	N	D	V3	-	092	P	0
1,2	3,4	5	6	7	8	PE12 9	PE15 10	(ELE44) 11	PE13 12,13	14	(PEN02) 15-17	(ELE16) 18	19

Pos.	Code	Feature code	Feature	Available properties	
1,2	PD		Product name	PD	
3,4	12		Type of housing	04 Housing with 4 holes for buttons on front 06 Housing with 6 holes for buttons on front	08 Housing with 8 holes for buttons on front 12 Housing with 12 holes for buttons on front
5	-				
6	2		Hoisting control type	1 1-step push-button 2 2-step push-button	0 Without hoisting buttons
7	2		Trolley travel control type	1 1-step push-button 2 2-step push-button	0 Without trolley travel buttons
8	2		Bridge travel control type	1 1-step push-button 2 2-step push-button	0 Without bridge travel buttons
9	2	PE12	Main contactor on button	1 Push-button for main contactor energizing 2 Push-button both main contactor energizing and horn	0 Without push-button for main contactor energizing and horn
10	N	PE15	Emergency stop	N Normal mushroom button	K Mushroom button with key for releasing
11	D	(ELE44)	Symbols	D DIN standard F Finnish standard S Swedish standard	<u>ELE44 value</u> DIN FIN SEN C ANSI standard L English letters E Special symbols <u>ELE44 value</u> ANSI ENG SPEC
12,13	V3	PE13	Selection of the hoists	V2 Selection I or II V3 Selection I, I+II, II	00 Without selection VE Special selection
14	-				
15-17	092	(PEN02)	Rising cable length	092 9.2 meters 135 13.5 meters etc. 000 Without cable	Length is given from the bottom of the P.B. housing EITHER to the festoon C-rail (in case of moveable pendant) OR to the bottom of the hoist panel (in case of monorail hoist) PEN02 value = 9.2 m / 13.5 m etc.
18	P	(ELE16)	Connector on the top of the rising cable	P Plug connector for the festoon (Moveable pendant) 0 Without connector	<u>ELE16 value</u> PE3 000 H Connected to the hoist panel (monorail hoist) B Connected to bridge panel (for back-up use) <u>ELE16 value</u> PE2 PE1
19	0		System features	0 Standard PD	E Special application



6.3 PXR Push Button Pendant (Hazardous location)

PX 1,2	R GE01 3	08 (PE11) 4,5	2 6	2 7	2 8	2 PE12 9	N PE15 10	C (ELE44) 11	00 PE13 12,13	- 14	092 15-17	0 ELE16 18	0 19
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Pos.	Code	Feature code	Feature	Available properties											
1,2	PX		Product name	PX Pendant for Class I, Division 2, Group C and D											
3	R	GE01	Brand	R R&M											
4,5	08	(PE11)	Pendant housing type	<table border="0"> <tr> <td>06</td> <td>6 button housing (2-motions)</td> <td><u>PE11 value</u></td> </tr> <tr> <td>08</td> <td>8 button housing (3-motions)</td> <td>PXQAW06</td> </tr> <tr> <td></td> <td></td> <td>PXQAW08</td> </tr> </table>	06	6 button housing (2-motions)	<u>PE11 value</u>	08	8 button housing (3-motions)	PXQAW06			PXQAW08		
06	6 button housing (2-motions)	<u>PE11 value</u>													
08	8 button housing (3-motions)	PXQAW06													
		PXQAW08													
6	2		Hoisting control type	<table border="0"> <tr> <td>2</td> <td>2-step push button</td> <td>0</td> <td>Without hoisting buttons</td> </tr> <tr> <td>1</td> <td>1-step push button</td> <td></td> <td></td> </tr> </table>	2	2-step push button	0	Without hoisting buttons	1	1-step push button					
2	2-step push button	0	Without hoisting buttons												
1	1-step push button														
7	2		Trolley travel control type	<table border="0"> <tr> <td>2</td> <td>2-step push button</td> <td>0</td> <td>Without trolley travel buttons</td> </tr> <tr> <td>1</td> <td>1-step push button</td> <td></td> <td></td> </tr> </table>	2	2-step push button	0	Without trolley travel buttons	1	1-step push button					
2	2-step push button	0	Without trolley travel buttons												
1	1-step push button														
8	2		Bridge travel control type	<table border="0"> <tr> <td>2</td> <td>2-step push button</td> <td>0</td> <td>Without bridge travel buttons</td> </tr> <tr> <td>1</td> <td>1-step push button</td> <td></td> <td></td> </tr> </table>	2	2-step push button	0	Without bridge travel buttons	1	1-step push button					
2	2-step push button	0	Without bridge travel buttons												
1	1-step push button														
9	2	PE12	Main contactor button function	2 Main contactor + horn, push-button energizing the main contactor and horn at the same time											
10	N	PE15	Emergency stop	N Normal mushroom button											
11	C	(ELE44)	Direction symbols	<table border="0"> <tr> <td>C</td> <td>ANSI standard (compass)</td> <td><u>ELE44 value</u></td> </tr> <tr> <td></td> <td></td> <td>ANSI</td> </tr> </table>	C	ANSI standard (compass)	<u>ELE44 value</u>			ANSI					
C	ANSI standard (compass)	<u>ELE44 value</u>													
		ANSI													
12,13	00	PE13	Hoist selection switch function	<table border="0"> <tr> <td>V2</td> <td>Two-position selector switch (I,II)</td> <td>00</td> <td>Without selector switch</td> </tr> </table>	V2	Two-position selector switch (I,II)	00	Without selector switch							
V2	Two-position selector switch (I,II)	00	Without selector switch												
14	-		Aux device mounting	- No auxiliary device											
15-17	092		Rising cable length	<table border="0"> <tr> <td colspan="3">Examples:</td> </tr> <tr> <td>092</td> <td>9.2 m</td> <td>000</td> <td>Without cable</td> </tr> <tr> <td>135</td> <td>13.5 m</td> <td></td> <td>etc.</td> </tr> </table>	Examples:			092	9.2 m	000	Without cable	135	13.5 m		etc.
Examples:															
092	9.2 m	000	Without cable												
135	13.5 m		etc.												
18	0	ELE16	Pendant cable top connector	0 Without connector											
19	0		System features	<table border="0"> <tr> <td>0</td> <td>Standard</td> <td>E</td> <td>Special application</td> </tr> </table>	0	Standard	E	Special application							
0	Standard	E	Special application												



6.4 RaCon Radio Control

RaCon	516	MI	0	S	0	TD	RP	CE	00	ST
1-5	REM10 6-8	REM11 9,10	11	12	13	(ELE44) 14,15	(ELE02) 16,17	REM12 18,19	REM13 20,21	22,23

Pos.	Code	Feature code	Feature	Available properties
1-5	RaCon		Product name	RaCon R&M brand name for REMOX
6-8	516	REM10	Receiver	510 8 relay outputs – for monorail hoists only 512 12 relay outputs – for cranes 516 16 relay outputs – for cranes 524 24 relay outputs - for cranes 736 36 relay outputs – for cranes 770 >36 relay outputs – for cranes
9,10	MI	REM11	Transmitter	QU max. 8 pcs. 2-step pushbuttons for 3 motions, light, horn MI max. 10 pcs. 2-step pushbuttons for 3 motions, light, horn M2 max. 8 pcs. 2-step pushbuttons for 3 motions, horn, display for condition monitoring EC 2 pcs. 2-step joysticks for 3 motions, light, horn (standard joystick) SP 2pcs. 2-step joysticks for 3 motions, light, horn (advanced joystick) S2 2 pcs. 2-step joysticks for 3 motions, light, horn, display for condition monitoring (adv. joystick) SA 2 pcs. analogue joysticks for 3 motions, light, horn (only with 736 receiver)
11	0		Infra-key system	I Included 0 Not included
12	S		Hoist selector switch	S Incl. with 3 positions (I, I+II, II) REM19 Value V3 A 3 positions (I, I+II, II) + Main VM T Incl. with 2 positions (I, II) V2 Aux switch B Incl. With 3 positions (I, II, III) S3 K 7 positions (I, II, III, I+II, II+III, I+II+III) V7 0 Not included -
13	0		Auxiliary device	A Included (1 x ON, 2 x OFF) 0 Not included
14,15	TD	(ELE44)	Direction symbols	TD DIN and FEM standard ELE 44 value DIN TC ANSI standard (compass) ANSI TF SFS standard FIN TL English letters ENG TS SIS standard SEN SS Special symbols SPEC
16,17	RP	(ELE02)	Receiver power supply	RP 48 V, 50/60 Hz ELE02 value 48 RV 230 V, 50/60 Hz 230 RT 115 V, 50/60 Hz 115 RX 48-230 V, 50/60 Hz
18,19	CE	REM12	Charger type	CE 230 V, 50/60 Hz euro plug CB 230 V, 50/60 Hz wires for local plug CU 115 V, 50/60 Hz USA plug
20,21	00	REM13	Tandem operation	00 No tandem operation T1 Single transmitter **) T2 Dual transmitter **) TM Master transmitter **) TS Slave transmitter CR Catch / Release
22,23	ST		System features	ST Standard RaCon system S2 Standard RaCon system with spare transmitter included SW Standard RaCon system with Sway Control W2 Standard RaCon system with Sway Control and spare transmitter SP Special application P2 Special application with spare transmitter Included SS Special application with Sway Control C2 Special application with Sway Control and spare transmitter

**). Crane selector switch is included.



6.5 RaCon Series II Radio Control (Discontinued)

RaConII 1-7	R GE01 8	S11 9-11	0 12	TC (ELE44) 13,14	RT (ELE02) 15,16	CU REM12 17,18
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Pos.	Code	Feature code	Feature	Available properties																								
1-7	RaConII		Product name	RAD RaCon II is R&M's brand name for RAD																								
8	R	GE01	Brand	R R&M																								
9-11	S11		Type of housing	<table border="0"> <tr> <td>S11</td> <td>Receiver for cranes For standard 1 hoist per crane</td> <td>H06</td> <td>Receiver for monorail hoists For electric wire rope hoist</td> </tr> <tr> <td>F13</td> <td>Like S11 + place for selector switch, display to read the HoistMonitor if supplied 900 BAND frequency</td> <td>C06</td> <td>For electric chain hoist 433 BAND or 900 BAND frequency Note: receiver is smaller in size than receiver for crane</td> </tr> </table>	S11	Receiver for cranes For standard 1 hoist per crane	H06	Receiver for monorail hoists For electric wire rope hoist	F13	Like S11 + place for selector switch, display to read the HoistMonitor if supplied 900 BAND frequency	C06	For electric chain hoist 433 BAND or 900 BAND frequency Note: receiver is smaller in size than receiver for crane																
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F13	Like S11 + place for selector switch, display to read the HoistMonitor if supplied 900 BAND frequency	C06	For electric chain hoist 433 BAND or 900 BAND frequency Note: receiver is smaller in size than receiver for crane																									
12	0		Selector switch for hoist trolley	<table border="0"> <tr> <td>0</td> <td>Without selector</td> </tr> <tr> <td>S</td> <td>Selector I, I+II, II</td> </tr> </table>	0	Without selector	S	Selector I, I+II, II																				
0	Without selector																											
S	Selector I, I+II, II																											
13,14	TC	(ELE44)	Direction symbols	<table border="0"> <tr> <td>TD</td> <td>DIN and FEM standard</td> <td><u>ELE44 value</u></td> <td>DIN</td> <td>TC</td> <td>ANSI standard (compass)</td> <td><u>ELE44 value</u></td> <td>ANSI</td> </tr> <tr> <td>TF</td> <td>SFS standard</td> <td></td> <td>FIN</td> <td>TL</td> <td>English letters</td> <td></td> <td>ENG</td> </tr> <tr> <td>TS</td> <td>SIS standard</td> <td></td> <td>SEN</td> <td>SS</td> <td>Special symbols</td> <td></td> <td>SPEC</td> </tr> </table>	TD	DIN and FEM standard	<u>ELE44 value</u>	DIN	TC	ANSI standard (compass)	<u>ELE44 value</u>	ANSI	TF	SFS standard		FIN	TL	English letters		ENG	TS	SIS standard		SEN	SS	Special symbols		SPEC
TD	DIN and FEM standard	<u>ELE44 value</u>	DIN	TC	ANSI standard (compass)	<u>ELE44 value</u>	ANSI																					
TF	SFS standard		FIN	TL	English letters		ENG																					
TS	SIS standard		SEN	SS	Special symbols		SPEC																					
15,16	RT	(ELE02)	Receiver power supply	<table border="0"> <tr> <td>RP</td> <td>48 V 50/60 Hz</td> <td><u>ELE02 value</u></td> <td>48</td> <td>RV</td> <td>230 V 50/60 Hz</td> <td><u>ELE02 value</u></td> <td>230</td> </tr> <tr> <td>RT</td> <td>115 V 50/60 Hz</td> <td></td> <td>115</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	RP	48 V 50/60 Hz	<u>ELE02 value</u>	48	RV	230 V 50/60 Hz	<u>ELE02 value</u>	230	RT	115 V 50/60 Hz		115												
RP	48 V 50/60 Hz	<u>ELE02 value</u>	48	RV	230 V 50/60 Hz	<u>ELE02 value</u>	230																					
RT	115 V 50/60 Hz		115																									
17,18	CU	REM12	Charger type	<table border="0"> <tr> <td>CE</td> <td>230 V, 50/60 Hz European plug</td> <td>CU</td> <td>115 V, 50/60 Hz USA plug</td> </tr> <tr> <td>CB</td> <td>230 V, 50/60 Hz local plug</td> <td></td> <td></td> </tr> </table>	CE	230 V, 50/60 Hz European plug	CU	115 V, 50/60 Hz USA plug	CB	230 V, 50/60 Hz local plug																		
CE	230 V, 50/60 Hz European plug	CU	115 V, 50/60 Hz USA plug																									
CB	230 V, 50/60 Hz local plug																											

6.6 RaCon Series III Radio Control

RaCon3 1-6	J14 REM10 7,8,9	MC REM11 10-11	H REM19, ELE95, GE03 12	C ELE44 13	RT ELE02 14,15
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Pos.	Code	Feature code	Feature	Available properties																																																																						
1-6	RaCon3		Product name	RMJ																																																																						
7-9	J14	REM10	Type of receiver	<table border="0"> <tr> <td>J06</td> <td>Receiver for solo hoist – 6 relays</td> </tr> <tr> <td>J14</td> <td>Receiver for crane – 14 relays</td> </tr> <tr> <td>J21</td> <td>Receiver for ControlMaster Anti-sway</td> </tr> </table>	J06	Receiver for solo hoist – 6 relays	J14	Receiver for crane – 14 relays	J21	Receiver for ControlMaster Anti-sway																																																																
J06	Receiver for solo hoist – 6 relays																																																																									
J14	Receiver for crane – 14 relays																																																																									
J21	Receiver for ControlMaster Anti-sway																																																																									
10-11	MC	REM11	Type of transmitter	<table border="0"> <tr> <td>MS</td> <td>Mini-joystick transmitter for solo hoists</td> </tr> <tr> <td>MC</td> <td>Mini-joystick transmitter for cranes</td> </tr> </table>	MS	Mini-joystick transmitter for solo hoists	MC	Mini-joystick transmitter for cranes																																																																		
MS	Mini-joystick transmitter for solo hoists																																																																									
MC	Mini-joystick transmitter for cranes																																																																									
12	H	(REM19) (ELE95) (GE03)	Features	<table border="0"> <tr> <td>H</td> <td>1 hoist</td> <td>REM19</td> <td>ELE95</td> <td>GE03</td> </tr> <tr> <td>L</td> <td>1 hoist and provision for lights</td> <td></td> <td>Button</td> <td></td> </tr> <tr> <td>S</td> <td>2 hoists (I, I+II, II) tandem</td> <td></td> <td></td> <td></td> </tr> <tr> <td>V</td> <td>2 hoists (I, I+II, II) tandem, lights</td> <td></td> <td>V3</td> <td>Button</td> </tr> <tr> <td>T</td> <td>2 hoists (I, II)</td> <td></td> <td>V2</td> <td>Button</td> </tr> <tr> <td>U</td> <td>2 hoists (I, II), lights</td> <td></td> <td>V2</td> <td>Button</td> </tr> <tr> <td>M</td> <td>Sway control switch, (meter)</td> <td></td> <td></td> <td>SI</td> </tr> <tr> <td>F</td> <td>Sway control switch, (feet)</td> <td></td> <td></td> <td>IMP</td> </tr> <tr> <td>B</td> <td>1 hoist and slack rope bypass (HS16)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>O</td> <td>1 hoist and operating limit switch by pass (LIM17)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>R</td> <td>1 hoist and restricted area bypass (ELE15; KEY)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>W</td> <td>1 hoist and 2-step load limiter (LIM07; KEY)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>I</td> <td>1 hoist and inching control (FC04)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>E</td> <td>1 hoist and micro speed control (FC05)</td> <td></td> <td></td> <td></td> </tr> </table>	H	1 hoist	REM19	ELE95	GE03	L	1 hoist and provision for lights		Button		S	2 hoists (I, I+II, II) tandem				V	2 hoists (I, I+II, II) tandem, lights		V3	Button	T	2 hoists (I, II)		V2	Button	U	2 hoists (I, II), lights		V2	Button	M	Sway control switch, (meter)			SI	F	Sway control switch, (feet)			IMP	B	1 hoist and slack rope bypass (HS16)				O	1 hoist and operating limit switch by pass (LIM17)				R	1 hoist and restricted area bypass (ELE15; KEY)				W	1 hoist and 2-step load limiter (LIM07; KEY)				I	1 hoist and inching control (FC04)				E	1 hoist and micro speed control (FC05)			
H	1 hoist	REM19	ELE95	GE03																																																																						
L	1 hoist and provision for lights		Button																																																																							
S	2 hoists (I, I+II, II) tandem																																																																									
V	2 hoists (I, I+II, II) tandem, lights		V3	Button																																																																						
T	2 hoists (I, II)		V2	Button																																																																						
U	2 hoists (I, II), lights		V2	Button																																																																						
M	Sway control switch, (meter)			SI																																																																						
F	Sway control switch, (feet)			IMP																																																																						
B	1 hoist and slack rope bypass (HS16)																																																																									
O	1 hoist and operating limit switch by pass (LIM17)																																																																									
R	1 hoist and restricted area bypass (ELE15; KEY)																																																																									
W	1 hoist and 2-step load limiter (LIM07; KEY)																																																																									
I	1 hoist and inching control (FC04)																																																																									
E	1 hoist and micro speed control (FC05)																																																																									
13	C	(ELE44)	Directional symbols	<table border="0"> <tr> <td>D</td> <td>DIN and FEM standard</td> <td><u>ELE44</u></td> <td>DIN</td> <td>C</td> <td>ANSI standard–</td> <td><u>ELE44</u></td> <td>ANSI</td> </tr> <tr> <td>F</td> <td>FIN / SEN standard</td> <td></td> <td>FIN</td> <td></td> <td>compass</td> <td></td> <td></td> </tr> </table>	D	DIN and FEM standard	<u>ELE44</u>	DIN	C	ANSI standard–	<u>ELE44</u>	ANSI	F	FIN / SEN standard		FIN		compass																																																								
D	DIN and FEM standard	<u>ELE44</u>	DIN	C	ANSI standard–	<u>ELE44</u>	ANSI																																																																			
F	FIN / SEN standard		FIN		compass																																																																					
14,15	RT	(ELE02)	Receiver power supply	<table border="0"> <tr> <td>RP</td> <td>48V 50/60 Hz</td> <td><u>ELE02</u></td> <td>48</td> <td>RV</td> <td>230V 50/60 Hz</td> <td><u>ELE02</u></td> <td>230</td> </tr> <tr> <td>RT</td> <td>115V 50/60 Hz</td> <td></td> <td>115</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	RP	48V 50/60 Hz	<u>ELE02</u>	48	RV	230V 50/60 Hz	<u>ELE02</u>	230	RT	115V 50/60 Hz		115																																																										
RP	48V 50/60 Hz	<u>ELE02</u>	48	RV	230V 50/60 Hz	<u>ELE02</u>	230																																																																			
RT	115V 50/60 Hz		115																																																																							



7 TRAVELING INVERTER PRODUCT CODE

7.1 CMXC 022 (Discontinued)

CMXC (TR01) (BT01) 1-4	022 (ELE84) (ELE85) 5-7	F (ELE84) (ELE85) 8	10 9,10	T (ELE02) 11	N ELE87 ELE88 12	0 ELE97 13
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Pos.	Code	Feature code	Feature	Available properties																			
1-4	CMXC	(TR01) (BT01)	Device name	<table border="1"> <tr> <td colspan="2">TR01/BT01 value</td> </tr> <tr> <td>CMXC</td> <td>DYD</td> </tr> </table>		TR01/BT01 value		CMXC	DYD														
TR01/BT01 value																							
CMXC	DYD																						
5-7	022	(ELE84) (ELE85)	Power rating class	<table border="1"> <tr> <td>007 (obsolete)</td> <td rowspan="3">ELE84 Trolley travel inverter power rating ELE85 Bridge travel inverter power rating Values are composed of two features, Power rating class and Supply voltage. e.g. 007F = ELE84/ELE85 value</td> </tr> <tr> <td>022</td> </tr> <tr> <td>040 (obsolete)</td> </tr> </table>		007 (obsolete)	ELE84 Trolley travel inverter power rating ELE85 Bridge travel inverter power rating Values are composed of two features, Power rating class and Supply voltage. e.g. 007F = ELE84/ELE85 value	022	040 (obsolete)														
007 (obsolete)	ELE84 Trolley travel inverter power rating ELE85 Bridge travel inverter power rating Values are composed of two features, Power rating class and Supply voltage. e.g. 007F = ELE84/ELE85 value																						
022																							
040 (obsolete)																							
8	F	(ELE84) (ELE85)	Supply voltage	F 380 – 500 VAC, 50/60 Hz																			
9,10	10		Revision code	The latest revision may differ.																			
11	T	(ELE02)	Control voltage	<table border="1"> <tr> <td colspan="2">ELE02 value</td> </tr> <tr> <td>Y</td> <td>42VAC, 50/60 Hz, only 040F</td> </tr> <tr> <td>P</td> <td>48VAC, 50/60 Hz</td> </tr> <tr> <td>T</td> <td>115VAC, 50/60 Hz</td> </tr> <tr> <td>V</td> <td>230VAC, 50/60 Hz, only 040F</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td>48</td> </tr> <tr> <td></td> <td>115</td> </tr> <tr> <td></td> <td>230</td> </tr> </table>		ELE02 value		Y	42VAC, 50/60 Hz, only 040F	P	48VAC, 50/60 Hz	T	115VAC, 50/60 Hz	V	230VAC, 50/60 Hz, only 040F				48		115		230
ELE02 value																							
Y	42VAC, 50/60 Hz, only 040F																						
P	48VAC, 50/60 Hz																						
T	115VAC, 50/60 Hz																						
V	230VAC, 50/60 Hz, only 040F																						
	48																						
	115																						
	230																						
12	N	ELE87 ELE88	Braking resistor type	<table border="1"> <tr> <td>N</td> <td>Standard, only 022 and 040F</td> <td rowspan="3">ELE87 Trolley travel inverter braking resistor type ELE88 Bridge travel inverter braking resistor type</td> </tr> <tr> <td>A</td> <td>Heavy duty, only 022F</td> </tr> <tr> <td>0</td> <td>No resistor, only 007F</td> </tr> </table>		N	Standard, only 022 and 040F	ELE87 Trolley travel inverter braking resistor type ELE88 Bridge travel inverter braking resistor type	A	Heavy duty, only 022F	0	No resistor, only 007F											
N	Standard, only 022 and 040F	ELE87 Trolley travel inverter braking resistor type ELE88 Bridge travel inverter braking resistor type																					
A	Heavy duty, only 022F																						
0	No resistor, only 007F																						
13	0	ELE97	EMC level	<table border="1"> <tr> <td>S</td> <td>Standard, without EMC filters (grounded network), only 040F</td> </tr> <tr> <td>N</td> <td>EMC, Second environment (grounded network), only 040F</td> </tr> <tr> <td>0</td> <td>IT network (non-grounded network)</td> </tr> </table>		S	Standard, without EMC filters (grounded network), only 040F	N	EMC, Second environment (grounded network), only 040F	0	IT network (non-grounded network)												
S	Standard, without EMC filters (grounded network), only 040F																						
N	EMC, Second environment (grounded network), only 040F																						
0	IT network (non-grounded network)																						

7.2 ControlMaster™ NXT

CMNXT (TR01) 1-5	003 (ELE84) 6-8	E (ELE84) 9	T (ELE02) 10	XX 11,12	0 13	W 14	M 15	M 16
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Pos.	Code	Feature code	Feature	Available properties										
1-5	CMNXT	(TR01) (BT01)	Device name	<table border="1"> <tr> <td colspan="2">Branded Name</td> <td>TR01 Type of trolley control BT01 Type of bridge control</td> </tr> <tr> <td colspan="2">ControlMaster™ NXT</td> <td>Value for feature code is TMK</td> </tr> </table>		Branded Name		TR01 Type of trolley control BT01 Type of bridge control	ControlMaster™ NXT		Value for feature code is TMK			
Branded Name		TR01 Type of trolley control BT01 Type of bridge control												
ControlMaster™ NXT		Value for feature code is TMK												
6-8	003	(ELE84) (ELE85)	Power rating class	<table border="1"> <tr> <td>003</td> <td>3 kW</td> <td rowspan="2">ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating Values are composed of two features, Power rating class and Supply voltage.</td> </tr> <tr> <td>006</td> <td>6 kW (Discontinued)</td> </tr> </table>		003	3 kW	ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating Values are composed of two features, Power rating class and Supply voltage.	006	6 kW (Discontinued)				
003	3 kW	ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating Values are composed of two features, Power rating class and Supply voltage.												
006	6 kW (Discontinued)													
9	E	(ELE84) (ELE85)	Supply voltage	E 380 – 480 VAC, 50/60 Hz										
10	T	(ELE02)	Control voltage	<table border="1"> <tr> <td>Y</td> <td>42VAC, 50/60 Hz</td> <td rowspan="4">ELE02 Control voltage for input</td> </tr> <tr> <td>P</td> <td>48VAC, 50/60 Hz</td> </tr> <tr> <td>T</td> <td>115VAC, 50/60 Hz</td> </tr> <tr> <td>V</td> <td>230VAC, 50/60 Hz</td> </tr> </table>		Y	42VAC, 50/60 Hz	ELE02 Control voltage for input	P	48VAC, 50/60 Hz	T	115VAC, 50/60 Hz	V	230VAC, 50/60 Hz
Y	42VAC, 50/60 Hz	ELE02 Control voltage for input												
P	48VAC, 50/60 Hz													
T	115VAC, 50/60 Hz													
V	230VAC, 50/60 Hz													
11,12	XX		Revision code	The latest revision may differ.										
13	0		Braking resistor type	<table border="1"> <tr> <td>0</td> <td>No resistor (only 003 power rating)</td> </tr> <tr> <td>B</td> <td>External braking resistor (only 006 power rating)</td> </tr> </table>		0	No resistor (only 003 power rating)	B	External braking resistor (only 006 power rating)					
0	No resistor (only 003 power rating)													
B	External braking resistor (only 006 power rating)													
14	W		Mounting	W Wall mounting										
15	M		EMC level	M Modifiable										
16	M		Option board	M Modifiable										



7.3 ControlMaster™ LDR

CMLDR (TR01) 1-5	004 (ELE84) 6-8	E (ELE84) 9	T (ELE02) 10	10 11,12	0 13	W 14	M 15	0 16
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Pos.	Code	Feature code	Feature	Available properties	
1-5	CMLDR	(TR01) (BT01)	Device name	Branded Name ControlMaster™ LDR TR01 Type of trolley control BT01 Type of bridge control TR01/BT01 = TDN	
6-8	004	(ELE84) (ELE85)	Power rating class	004 4 kW 007 7 kW 011 11 kW 020 20 kW 034 34 kW	ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating Values are composed of two features, Power rating class and Supply voltage.
9	E	(ELE84) (ELE85)	Supply voltage	E	380 – 480 VAC, 50/60 Hz
10	T	(ELE02)	Control voltage	Y 42VAC, 50/60 Hz P 48VAC, 50/60 Hz T 115VAC, 50/60 Hz V 230VAC, 50/60 Hz	ELE02 Control voltage for input
11,12	10		Revision code	The latest revision may differ.	
13	0		Braking resistor type	0	External braking resistor
14	W		Mounting	W Wall mounting 1 Through plate flange mounting	
15	M		EMC level and grounding	M	Modifiable (ground → non-ground)
16	0		Option board	0	Modifiable

7.4 ControlMaster™ Select (Discontinued)

CMST 1-4	007 (ELE84) 5-7	F (ELE84) 8	V (ELE02) 9	10 10,11	B 12	0 13	N ELE97 14
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Pos.	Code	Feature code	Feature	Available properties	
1-4	CMST	(TR01) (BT01)	Device name	TR01/BT01 = D2M CMST = Control Master™ Select TR01 Type of trolley travel control BT01 Type of bridge travel control	
5-7	007	(ELE84) (ELE85)	Power rating class	002 – 022 ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating Values are composed of two features, Power rating class and Supply voltage.	
8	F	(ELE84) (ELE85)	Supply voltage	F	380 – 500 VAC, 50/60 Hz
9	V	(ELE02)	Control voltage	<u>ELE02 value</u> Y 42VAC, 50/60 Hz 42 P 48VAC, 50/60 Hz 48 T 115VAC, 50/60 Hz 115 V 230VAC, 50/60 Hz 230	
10,11	10		Revision code	The latest revision may differ.	
12	B		Braking resistor type	A External resistor, CMST 018 – 022 (002-004 as option) B Internal resistor, CMST 002 – 015	
13	0		Mounting	0 Standard panel W Wall mounting, CMST 002 (003-004 as option)	
14	N	ELE97	EMC level	S Standard, without EMC filters (grounded network) N EMC, Second environment (grounded network) 0 IT network (non-grounded network)	



8 HOIST INVERTER PRODUCT CODE

8.1 ControlMaster™ Aspire

CMAspire (HS01) 1-9	012 (ELE83) 10-11	E (ELE83) 12	T (ELE02) 13	10 14,15	B 16	W 17	M 18	M 19
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Pos.	Code	Feature code	Feature	Available properties	
1-9	CM Aspire	(HS01)	Device name	Branded Name	
				ControlMaster™ Aspire	
10-11	012	(ELE83)	Power rating class	006	6 kW (A3 hoist motor)
				012	12 kW (A5 hoist motor)
12	E	(ELE83)	Supply voltage	E	380 – 480 VAC, 50/60 Hz
13	T	(ELE02)	Control voltage	Y	42VAC, 50/60 Hz
				P	48VAC, 50/60 Hz
				T	115VAC, 50/60 Hz
				V	230VAC, 50/60 Hz
14,15	10		Revision code	The latest revision may differ.	
16	B		Braking resistor type	B	
17	W		Mounting	W	Wall mounting
18	M		EMC level	M	Modifiable
19	M		Option board	M	Modifiable



8.2 ControlMaster™ Elite

CMEH (HS01) (TR01/BT01) 1-4	007 (ELE83) (ELE84/ELE85) 5-7	F (ELE83) (ELE84/ELE85) 8	V (ELE02) 9	55 10,11	A 12	0 13	0 ELE97 14	1 15	0 16
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Pos.	Code	Feature code	Feature	Available properties	
1-4	CMEH	(HS01) (TR01/BT01)	Device name	CMEH Hoisting inverter CMET Travelling inverter	HS01 TR01/BT01 value D2H D2C HS01 Type of hoist control (D2H) TR01 Type of trolley control (D2C) BT01 Type of bridge control (D2C)
5-7	007	(ELE83) (ELE84) (ELE85)	Power rating class	002 - 132	ELE83 Hoisting inverter power rating ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating
8	F	(ELE83) (ELE84) (ELE85)	Supply voltage	F 380 – 500 VAC, 50/60 Hz	ELE83, ELE84, ELE85 values are composed of two features, Power rating class and Supply voltage. e.g. 007F = ELE83/84/85 value
9	V	(ELE02)	Control voltage	Y 42VAC, 50/60 Hz P 48VAC, 50/60 Hz 48 T 115VAC, 50/60 Hz 115 V 230VAC, 50/60 Hz 230	ELE02 value
10,11	55		Revision code	The latest revision may differ.	
12	A		Braking resistor type	A External resistor B Internal resistor (included only CMET up to 015F)	
13	0		Mounting	0 Standard panel	
14	0	ELE97	EMC level	0 Unlimited (non EU-area or non-grounded network) N Limited (EU-area, grounded network)	
15	1		Boards	0 Standard 1 Standard with speed supervision 2 Profibus 3 Profibus with speed supervision 8 Relay 9 Relay with speed supervision	<u>Reserved board slots</u> A, B, D A, B, C, D A, B, D, E A, B, C, D, E A, B, D, E A, B, C, D, E
16	0		Special	0 None L Varnished boards	



9 ELECTRIC CHAIN HOIST PRODUCT CODE

9.1 LoadMate® Electric Chain Hoist / Stagemaker® SM Concert Hoist (Discontinued code)

LM	05	050	010	M	16	T	2	C	I	4	D	075	S	G	T
1,2	GE09 3,4	5-7	8-10	11	12,13	14	15	(ELE01) (ELE03) 16	17	18	19	20-22	23	RR11 24	25

0	0	0	0	0	0	000	0	0	0	0	0	#...#	0	0
26	27	28	29	30	31	32-34	35	36	37	38	39	40-48	49	50

Pos.	Code	Feature code	Feature	Available properties																																									
1,2	LM		Brand	LM R&M LoadMate®	SM Stagemaker®																																								
3,4	05	GE09	Frame	01 05	10 16 20 25																																								
5-7	050		Capacity	<table border="0"> <tr> <td><u>Code</u></td> <td></td> <td><u>Code</u></td> <td></td> <td><u>Code</u></td> <td></td> </tr> <tr> <td>012</td> <td>125 kg, 1/8 ton</td> <td>100</td> <td>1000 kg, 1 ton</td> <td>300</td> <td>3000 kg, 3 ton</td> </tr> <tr> <td>025</td> <td>250 kg, 1/4 ton</td> <td>150</td> <td>1500 kg, 1 1/2 ton</td> <td>400</td> <td>4000 kg, 4 ton</td> </tr> <tr> <td>050</td> <td>500 kg, 1/2 ton</td> <td>200</td> <td>2000 kg, 2 ton</td> <td>500</td> <td>5000 kg, 5 ton</td> </tr> <tr> <td>075</td> <td>750 kg, 3/4 ton</td> <td>250</td> <td>2500 kg, 2 1/2 ton</td> <td></td> <td></td> </tr> </table>	<u>Code</u>		<u>Code</u>		<u>Code</u>		012	125 kg, 1/8 ton	100	1000 kg, 1 ton	300	3000 kg, 3 ton	025	250 kg, 1/4 ton	150	1500 kg, 1 1/2 ton	400	4000 kg, 4 ton	050	500 kg, 1/2 ton	200	2000 kg, 2 ton	500	5000 kg, 5 ton	075	750 kg, 3/4 ton	250	2500 kg, 2 1/2 ton													
<u>Code</u>		<u>Code</u>		<u>Code</u>																																									
012	125 kg, 1/8 ton	100	1000 kg, 1 ton	300	3000 kg, 3 ton																																								
025	250 kg, 1/4 ton	150	1500 kg, 1 1/2 ton	400	4000 kg, 4 ton																																								
050	500 kg, 1/2 ton	200	2000 kg, 2 ton	500	5000 kg, 5 ton																																								
075	750 kg, 3/4 ton	250	2500 kg, 2 1/2 ton																																										
8-10	010		Lift	010 Foot increments	01 1 fall – 010 to 096 2 fall – 010 to 046 05/10/16/20/25 1 fall – 010 to 150 2 fall – 010 to 075																																								
11	M		Suspension	T Top Hook L Lug Mount	P Push Trolley H Hand Geared Trolley M Motorized Trolley																																								
12,13	16	(SPD03)	Lift speed	08 12	16 24 32 64																																								
				High speed to low speed = 4:1																																									
14	T	(HS01)	Hoist speed control	S Single speed T Two speed	I Stepless Inverter (VFD) C Programmable Control D Direct Control (SM Config. A only) M Single speed (SM Config. B only)																																								
15	2		Number of falls	1 1 fall	2 2 falls																																								
16	C	(ELE01) (ELE03)	Voltage	A 208/3/60 B 230/3/60	C 460/3/60 D 575/3/60 E 115/1/60 F 380/3/50																																								
				For example: ELE01 value = 208 / 230 / 460 (V), ELE03 value = 50 / 60 (Hz)																																									
17	I		Trolley control code	T Two speed I Inverter controlled trolley	80/20 FPM (Two speed) 65/16 FPM Multi-step 0 No motorized trolley																																								
18	4		Beam Flange code	<table border="0"> <tr> <td><u>Code</u></td> <td><u>C-1 Trolley</u></td> <td><u>C-2 Trolley</u></td> <td><u>C-3 Trolley</u></td> <td><u>C-5 Trolley</u></td> </tr> <tr> <td>1</td> <td>2.28 - 3.94</td> <td>2.52 - 4.96</td> <td>3.23 - 5.39</td> <td>3.23 - 4.33</td> </tr> <tr> <td>2</td> <td>4.17 - 5.90</td> <td>5.16 - 7.48</td> <td>5.39 - 7.48</td> <td>4.45 - 5.90</td> </tr> <tr> <td>3</td> <td>6.10 - 7.87</td> <td>7.79 - 9.76</td> <td>7.79 - 9.76</td> <td>6.10 - 7.87</td> </tr> <tr> <td>4</td> <td>8.11 - 9.76</td> <td>10.23 - 12.20</td> <td>10.23 - 12.20</td> <td>8.11 - 9.76</td> </tr> <tr> <td>5</td> <td>10.23 - 12.09</td> <td>N/A</td> <td>N/A</td> <td>10.23 - 12.20</td> </tr> </table> <table border="0"> <tr> <td><u>Code</u></td> <td><u>RPT Trolley</u></td> </tr> <tr> <td>6</td> <td>1.97 - 7.87"</td> </tr> <tr> <td>7</td> <td>7.88 - 12.20"</td> </tr> <tr> <td>0</td> <td>No trolley</td> </tr> </table>	<u>Code</u>	<u>C-1 Trolley</u>	<u>C-2 Trolley</u>	<u>C-3 Trolley</u>	<u>C-5 Trolley</u>	1	2.28 - 3.94	2.52 - 4.96	3.23 - 5.39	3.23 - 4.33	2	4.17 - 5.90	5.16 - 7.48	5.39 - 7.48	4.45 - 5.90	3	6.10 - 7.87	7.79 - 9.76	7.79 - 9.76	6.10 - 7.87	4	8.11 - 9.76	10.23 - 12.20	10.23 - 12.20	8.11 - 9.76	5	10.23 - 12.09	N/A	N/A	10.23 - 12.20	<u>Code</u>	<u>RPT Trolley</u>	6	1.97 - 7.87"	7	7.88 - 12.20"	0	No trolley			
<u>Code</u>	<u>C-1 Trolley</u>	<u>C-2 Trolley</u>	<u>C-3 Trolley</u>	<u>C-5 Trolley</u>																																									
1	2.28 - 3.94	2.52 - 4.96	3.23 - 5.39	3.23 - 4.33																																									
2	4.17 - 5.90	5.16 - 7.48	5.39 - 7.48	4.45 - 5.90																																									
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4	8.11 - 9.76	10.23 - 12.20	10.23 - 12.20	8.11 - 9.76																																									
5	10.23 - 12.09	N/A	N/A	10.23 - 12.20																																									
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0	No trolley																																												
19	D		Pendant code	<table border="0"> <tr> <td>A</td> <td>1 speed hoist only</td> <td>K</td> <td>1 speed hoist + 1 speed trolley</td> </tr> <tr> <td>B</td> <td>2 speed hoist only</td> <td>L</td> <td>2 speed hoist + 1 speed trolley</td> </tr> <tr> <td>C</td> <td>1 speed hoist + 2 speed trolley</td> <td>M</td> <td>1 speed hoist + 2 speed bridge</td> </tr> <tr> <td>D</td> <td>2 speed hoist + 2 speed trolley</td> <td>N</td> <td>2 speed hoist + 2 speed bridge</td> </tr> <tr> <td>E</td> <td>1 speed hoist + 2 speed trolley + 1 speed bridge</td> <td>O</td> <td>P/B Drop (6'0") less P/B</td> </tr> <tr> <td>F</td> <td>2 speed hoist + 2 speed trolley + 1 speed bridge</td> <td>P</td> <td>Pickle – no connector</td> </tr> <tr> <td>G</td> <td>1 speed hoist + 2 speed trolley + 2 speed bridge</td> <td>Q</td> <td>Pickle – with Hubble connector</td> </tr> <tr> <td>H</td> <td>2 speed hoist + 2 speed trolley + 2 speed bridge</td> <td>Z</td> <td>Digichain</td> </tr> <tr> <td>I</td> <td>1 speed hoist + 1 speed bridge</td> <td>0</td> <td>Omit Push Button totally</td> </tr> <tr> <td>J</td> <td>2 speed hoist + 1 speed bridge</td> <td></td> <td></td> </tr> </table>	A	1 speed hoist only	K	1 speed hoist + 1 speed trolley	B	2 speed hoist only	L	2 speed hoist + 1 speed trolley	C	1 speed hoist + 2 speed trolley	M	1 speed hoist + 2 speed bridge	D	2 speed hoist + 2 speed trolley	N	2 speed hoist + 2 speed bridge	E	1 speed hoist + 2 speed trolley + 1 speed bridge	O	P/B Drop (6'0") less P/B	F	2 speed hoist + 2 speed trolley + 1 speed bridge	P	Pickle – no connector	G	1 speed hoist + 2 speed trolley + 2 speed bridge	Q	Pickle – with Hubble connector	H	2 speed hoist + 2 speed trolley + 2 speed bridge	Z	Digichain	I	1 speed hoist + 1 speed bridge	0	Omit Push Button totally	J	2 speed hoist + 1 speed bridge			
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J	2 speed hoist + 1 speed bridge																																												
20-22	075	(PEN02)	Pendant height of lift (feet)	001 - foot increments - equals HOL - actual pendant length = 2.5' < HOL																																									
23	S		Suspension	A Articulating I Inverted	L Low headroom S Standard X Cross mount																																								



24	G	RR11	Chain type	B Black	G Electro-zinc plated	S Stainless steel																				
25	T		Units	T Short tons	K Kilograms																					
26	0		Pigtails	A QL Crane Kit B Power Pigtail (no plug) C Power / Control Pigtail (no plug) D Power and Control Pigtails (no plugs) E Power / Control and Control Pigtails (no plugs) F Power Pigtail (CE plug) G Power Pigtail (Twist lock plug) H Power / Control Pigtail (7 pin plug) I Power and Control Pigtails (Twist lock plugs)	J Power / Control and Control Pigtails (7 pin and Twist lock plugs) K Power Pigtail (Edison plug) L Power and Control Pigtails (Edison plug and Twist lock plug) M Power / Control Pigtail (14 pin plug) N Power / Control and Control Pigtails (14 pin and Twist lock plugs) 0 No pigtails																					
27	0		Safety hooks	B Bullard hook P Positive action hook	0 Standard hook																					
28	0		Second brake	B Second brake	0 Standard hoist brake																					
29	0		Electrical options	C Hour counter F Flat cable connector H Horn M Hour counter + Flat cable connector	N Hour counter + Horn O Flat cable connector + Horn P Hour counter + Flat cable connector + Horn 0 No electrical options																					
30	0		Hoist limits	G Geared limit switch	0 No geared limit switch																					
31	0		Radio control	R Radio control	0 No radio control																					
32-34	000		Hand geared trolley height of lift (feet)	001 - foot increments - equals HOL - actual hand chain length = 4' < HOL																						
35	0		Trolley options	0 No trolley options L Trolley travel limits P Patented track wheels T Thermal protection	U Trolley travel limits + Patented track wheels V Trolley travel limits + Thermal protection W Patented track wheels + Thermal protection X Trolley travel limits + Patented track wheels + Thermal protection																					
36	0		Rain covers	0 No rain covers A Polymer hoist rain cover B Metallic hoist rain cover C Metallic trolley cover	D Polymer hoist rain cover + Metallic trolley cover E Metallic hoist and trolley cover F Polymer hoist cover and metallic hoist and trolley cover																					
37	0		Outdoor additional	0 No outdoor options	A Seal electrical enclosure + power pigtail + mating connector																					
38	0		Food grade additional	0 No Food grade additional B Food grade lubricant on chain	A Food grade lubricant in gearcase C Food grade lubricant in gearcase + Food grade lubricant on chain																					
39	0		Stainless steel adders	A Stainless steel bottom hook B Stainless steel bottom block	C Stainless steel bottom hook + Stainless steel bottom block																					
40-48	#...#		Future options																							
49	#	(DOC01)	Language	<table border="0"> <tr> <td></td> <td><u>DOC01 value</u></td> <td></td> <td><u>DOC01 value</u></td> </tr> <tr> <td>E</td> <td>English</td> <td>EN</td> <td>P Portuguese</td> </tr> <tr> <td>F</td> <td>French</td> <td>FR</td> <td>S Spanish</td> </tr> <tr> <td></td> <td></td> <td></td> <td>PO</td> </tr> <tr> <td></td> <td></td> <td></td> <td>SP</td> </tr> </table>			<u>DOC01 value</u>		<u>DOC01 value</u>	E	English	EN	P Portuguese	F	French	FR	S Spanish				PO				SP	
	<u>DOC01 value</u>		<u>DOC01 value</u>																							
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F	French	FR	S Spanish																							
			PO																							
			SP																							
50	#		Normal/Special	N Normal order	E Special order																					



9.2 Stagemaker® SM Concert Hoist

SM 1,2	5 3,4	(space) 5	50 6,7	4 8	M 9-11	2 12	- 13	B 14	- 15	D8+ 16,17,18
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Position	Code	Feature	Available Properties			
1,2	SM	Brand	STAGEMAKER Concert Hoist			
3	5	Body size	<u>Code</u> 2 5 10 16 20 25			
4	(space)					
4,5	50	Capacity	<u>Code</u> 12 25 50 100 125 160 200 250 500	<u>Ton</u> 1/8 1/4 1/2 1 1 1/4 1 1/2 2 2 1/2 5	<u>Kg</u> 125 250 500 1000 1250 1600 2000 2500 5000	
8	4	Hoist speed	<u>Code</u> 2 3 4 6 8 16	<u>60 Hz (fpm)</u> 8 12 16 24 32 64	<u>60 Hz m/min</u> 2.4 3.6 4.8 7.2 9.6 19.2	<u>50 Hz m/min</u> 2 3 4 6 8 16
	M	Hoist speed control		B = two speed M = single speed		
12	2	Duty cycle	<u>Code</u> 1 2	<u>ISO</u> 1Bm 2m		
14	A	Hoist configuration	<u>Code</u> A B C D E S	<u>Description of code</u> Three-phase direct motor control Three-phase power and low voltage control Three-phase power and low voltage control – programmable Three-phase power and low voltage control – BGV-C1 enhanced safety features Three-phase power (controls by others) Single-phase		
15	-		<u>Code</u> -	Only used when hoist meets enhanced safety feature BGV-D8+		
16,17,18	D8+	Extra safety feature option	<u>Code</u> D8+	Only used when hoist meets enhanced safety feature BGV-D8+		



9.3 Stagemaker® SR Concert Hoist

SR 1,2	05 3,4	(space) 5	04 6,7	1 8	050 9-11	3 12	- 13	A 14	- 15	D8+ 16,17,18
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Position	Code	Feature	Available Properties			
1,2	SR	Brand	STAGEMAKER Concert Hoist			
3,4	05	Body size	<u>Code</u> 02 05 10			
5	(space)					
6,7	04	Hoist speed	<u>Code</u> 02 04 08 16	<u>60 Hz (fpm)</u> 8 16 32 64	<u>60 Hz m/min</u> 2.4 4.8 9.6 19.2	<u>50 Hz m/min</u> 2 4 8 16
8	1	Chain fall	1 2	1-fall 2-fall		
9,10,11	050	Capacity	<u>Code</u> 012 025 050 100 160 200	<u>Ton</u> 1/8 1/4 1/2 1 1 1/2 2	<u>Kg</u> 125 250 500 1000 1600 2000	
12	3	Duty cycle	<u>Code</u> 3 4 5 6	<u>ISO</u> M3 M4 M5 M6		
13	-					
14	A	Hoist configuration	<u>Code</u> A B S	<u>Description of code</u> Three-phase direct motor control Three-phase power and low voltage control Single-phase		
15	-		<u>Code</u> -	Only used when hoist meets enhanced safety feature BGV-D8+		
16,17,18	D8+	Extra safety feature option	<u>Code</u> D8+	Only used when hoist meets enhanced safety feature BGV-D8+		

9.4 LoadMate® Electric Chain Hoist

LM 1,2	10 3,4	(space) 5	200 9-11
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Position	Code	Feature	Available Properties			
1,2	LM	Brand	LoadMate electric chain hoist			
3,4	10	Body size	<u>Code</u> 05 10 16	<u>Available chain fall</u> 1-fall or 2-fall 1-fall or 2-fall 1-fall or 2-fall	<u>Code</u> 20 25	<u>Available chain fall</u> 1-fall or 2-fall 1-fall or 2-fall
9,10,11	200	Capacity	<u>Code</u> 012 025 050 100 160 200 250 300 400 500	<u>Ton</u> 1/8 1/4 1/2 1 1 1/2 2 2 1/2 3 4 5	<u>Kg</u> 125 250 500 1000 1600 2000 2500 3200 4000 5000	



9.5 Spacemaster® LK Electric Chain Hoist

LK	10	C	04	2	200	5	N	120	466	C	B	080
1,2	3,4	5	6,7	8	9-11	12	13	14-16	17-19	20	21	22

Position	Code	Feature	Available Properties			
1,2	LK	Brand	Spacemaster LK electric chain hoist			
3,4	10	Body size	<u>Code</u> 02 05 10 16 25	<u>Available chain fall</u> 1-fall 1-fall 1-fall or 2-fall 1-fall or 2-fall 1-fall or 2-fall		
5	C	Hoist speed control	<u>Code</u> C N	<u>Description of code</u> Contactor control Inverter control		
6,7	04	Hoist speed code	<u>Code</u> 02 04 08 16	<u>60 Hz fpm</u> 8 16 32 64	<u>60 Hz m/min</u> 2.4 4.8 9.6 19.2	<u>50 Hz m/min</u> 2 4 8 16
8	2	Chain fall	1 2	1-fall 2-fall		
9,10,11	200	Capacity	<u>Code</u> 012 025 050 100 160 200 250 300 400 500	<u>Ton</u> 1/8 1/4 1/2 1 1 1/2 2 2 1/2 3 4 5	<u>Kg</u> 125 250 500 1000 1600 2000 2500 3200 4000 5000	
12	3	Duty cycle rating	<u>Code</u> 4 5 6	<u>ISO</u> M4 M5 M6	<u>ASME</u> H3 H4 -	
13	N	Suspension	<u>Code</u> N L S F	<u>Description of code</u> Normal trolley Low headroom trolley Swivelling trolley Top hook or lug		
14,15,16	120	Flange width (mm)				
17,18,19	466	Power supply	<u>Code</u> 235 385 405	<u>50 Hz supply</u> 230V 380V 400V	<u>Code</u> 206 236 466 576	<u>50 Hz supply</u> 208V 230V 460V 575V
20	C	Electrics	<u>Code</u> C E	<u>Description of code</u> CSA IEC		
21	A	Control voltage	<u>Code</u> A B C	<u>Description of code</u> 48 115 230		
22	080	Height of lift (m)	<u>Code</u> 080	<u>Meter</u> 8		

Note: LK model code in the sales tools and offer document is shortened to show only characters up through the capacity.



10 WHEEL BLOCK PRODUCT CODE

10.1 Wheel Block

WB	-	R	160	G3	S3	R	N	065	M	H	S	
1-2	3	4	5-7	8-9	10-11	12	13	14-16	17	18	19	20-25

Pos.	Code	Feature code	Feature	Available properties	
1-2	WB	(GE19)	Product name	WB	
3	-				
4	R	(GE01)	Brand	R	R&M
5-7	160	(WHE01)	Wheel diameter	Dia. 125 mm 160 mm 200 mm	Dia. 250 mm 315 mm 400 mm
8-9	G3		Gear type	<u>Code</u> <u>Gear</u> G3 GES3 G4 GES4 G5 GES5 0 No gear	
10-11	S3		Shaft size	<u>Code</u> <u>Description</u> S1 GES5 gear + 400 mm diameter wheel S2 GES4 / GES5 gear + 250 mm / 315 mm diameter wheel S3 GES3 + 125 mm diameter wheel; GES3 / GES4 + 160 mm / 200 mm diameter wheel 00 No shaft on gear	
12	R	(BT42)	Design for drive	<u>Code</u> <u>Description</u> R Right handed L Left handed N No gear	
13	N		WB equipment	<u>Code</u> <u>Description</u> N Normal with flanges G Flangeless with guide rollers A Flangeless with anti-derail device B Normal with anti-derail device	<u>Description</u> - Wheel groove needed OTH25 Rail width and rail type needed OTH72 Rail width and rail type needed OTH72 Groove and rail type needed
14-16	065	(BT08) or (BT30)	Wheel groove or rail width	<u>Groove</u> <u>Wheel diameter, rail width, base gap</u> 050-060 D125, rail width 40-50, gap 10 mm 052-072 D160, rail width 40-60, gap 12 mm 054-074 D200, rail width 40-60, gap 14 mm 054-084 D250, rail width 40-70, gap 14 mm 064-094 D315, rail width 50-80, gap 14 mm 075-115 D400, rail width 60-100, gap 15 mm	<u>Width</u> <u>Wheel diameter</u> 040-060 D125 040-070 D160 040-080 D200 040-095 D250 050-100 D315 060-100 D400
17	M	(DES09)	Buffer code	<u>Buffer</u> <u>Specification</u> G PUR buffer D100x100 mm M PUR buffer D125x125 mm H PUR buffer D160x160 mm I PUR buffer D200x200 mm	<u>Buffer</u> <u>Wheel diameter</u> G D125 M D160, D200 H D250, D315 I D400
18	H	(BT41)	Mounting connection	<u>Code</u> <u>Description</u> H Head connection W Welded connection I Inserted connection S Bolted connection A Affixed connection	
19	S			N Normal S Special, like guide rollers or anti derail device	
20-25		DES11	Rail type	Needed for guide rollers or anti derail device	

If digit 13 = N, then give wheel groove width for digits 14-16. Digits 20-25 not needed.

If digit 13 = G (with guide rollers) or digit 13 = A (with anti-derail device), use flangeless wheels and give rail width for digits 14-16 and rail type for digits 20-25.

If digit 13 = B (with anti-derail device) and wheel groove is possible, give wheel groove width for digits 14-16 and rail type for digits 20-25.



10.2 Wheel Block Electrics

WBE 1-3	2 4	1 5	460 6-8	115 9-11	6 12	2 13
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Pos.	Code	Feature code	Feature	Available properties																																				
1-3	WBE	(GE19)	Product name	Wheel block electrics																																				
4	2	(BT01) (ELE85)	Control type	<table border="1"> <thead> <tr> <th></th> <th></th> <th><u>BT01 value</u></th> <th><u>ELE85 value</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2-speed</td> <td>2SP</td> <td>-</td> </tr> <tr> <td>2</td> <td>CMXC022</td> <td>DYD</td> <td>022F</td> </tr> <tr> <td>3</td> <td>CM Select 003</td> <td>D2M</td> <td>003F</td> </tr> <tr> <td>4</td> <td>CM Select 004</td> <td>D2M</td> <td>004F</td> </tr> <tr> <td>5</td> <td>CM Select 005</td> <td>D2M</td> <td>005F</td> </tr> <tr> <td>6</td> <td>CM Select 007</td> <td>D2M</td> <td>007F</td> </tr> <tr> <td>7</td> <td>CM Select 011</td> <td>D2M</td> <td>011F</td> </tr> <tr> <td>8</td> <td>CM Select 015</td> <td>D2M</td> <td>015F</td> </tr> </tbody> </table>			<u>BT01 value</u>	<u>ELE85 value</u>	1	2-speed	2SP	-	2	CMXC022	DYD	022F	3	CM Select 003	D2M	003F	4	CM Select 004	D2M	004F	5	CM Select 005	D2M	005F	6	CM Select 007	D2M	007F	7	CM Select 011	D2M	011F	8	CM Select 015	D2M	015F
		<u>BT01 value</u>	<u>ELE85 value</u>																																					
1	2-speed	2SP	-																																					
2	CMXC022	DYD	022F																																					
3	CM Select 003	D2M	003F																																					
4	CM Select 004	D2M	004F																																					
5	CM Select 005	D2M	005F																																					
6	CM Select 007	D2M	007F																																					
7	CM Select 011	D2M	011F																																					
8	CM Select 015	D2M	015F																																					
5	1	(PAN05)	Panel	<table border="1"> <thead> <tr> <th></th> <th><u>Panel size (H x W x D)</u></th> <th><u>PAN05 value</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Without panel</td> <td>-</td> </tr> <tr> <td>1</td> <td>400 mm x 400 mm x 250 mm</td> <td>40*40*25</td> </tr> <tr> <td>2</td> <td>400 mm x 600 mm x 250 mm</td> <td>40*60*25</td> </tr> <tr> <td>3</td> <td>600 mm x 1000 mm x 300 mm</td> <td>100*60*30</td> </tr> <tr> <td>4</td> <td>1000 mm x 1000 mm x 320 mm</td> <td>100*100*32</td> </tr> </tbody> </table>		<u>Panel size (H x W x D)</u>	<u>PAN05 value</u>	0	Without panel	-	1	400 mm x 400 mm x 250 mm	40*40*25	2	400 mm x 600 mm x 250 mm	40*60*25	3	600 mm x 1000 mm x 300 mm	100*60*30	4	1000 mm x 1000 mm x 320 mm	100*100*32																		
	<u>Panel size (H x W x D)</u>	<u>PAN05 value</u>																																						
0	Without panel	-																																						
1	400 mm x 400 mm x 250 mm	40*40*25																																						
2	400 mm x 600 mm x 250 mm	40*60*25																																						
3	600 mm x 1000 mm x 300 mm	100*60*30																																						
4	1000 mm x 1000 mm x 320 mm	100*100*32																																						
6-8	460	(ELE01)	Main voltage	<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Value</u></th> </tr> </thead> <tbody> <tr> <td>400</td> <td>400</td> </tr> <tr> <td>460</td> <td>460</td> </tr> </tbody> </table>	<u>Code</u>	<u>Value</u>	400	400	460	460																														
<u>Code</u>	<u>Value</u>																																							
400	400																																							
460	460																																							
9-11	115	(ELE02)	Control voltage	<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Value</u></th> </tr> </thead> <tbody> <tr> <td>048</td> <td>48</td> </tr> <tr> <td>115</td> <td>115</td> </tr> </tbody> </table>	<u>Code</u>	<u>Value</u>	048	48	115	115																														
<u>Code</u>	<u>Value</u>																																							
048	48																																							
115	115																																							
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