

# Product Code Descriptions

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



Table of Contents

1 WIRE ROPE HOIST PRODUCT CODE ..... 3

1.1 Spacemaster® SX Wire Rope Hoist ..... 3

1.2 Spacemaster® SXL Wire Rope Hoist ..... 4

1.3 Spacemaster® EX Wire Rope Hoist (Hazardous location) ..... 5

2 END TRUCK PRODUCT CODE ..... 6

2.1 RSN Top-running End Truck ..... 6

2.2 RT Top-running End Truck ..... 7

2.3 RTN and RTL Top-running End Truck ..... 8

2.4 RU and RH Under-running End Truck ..... 9

3 TRAVELING MACHINERIES PRODUCT CODE ..... 11

3.1 GE Drive ..... 11

3.2 QM Bridge Drive ..... 12

4 POWER SUPPLY PACKAGE PRODUCT CODE ..... 13

4.1 Electrification Package – Spacemaster® SX WRH and LK ECH ..... 13

4.2 Electrification Package – Spacemaster® SXL WRH ..... 14

5 CONTROL PANEL PRODUCT CODE ..... 15

5.1 Bridge Panel for Wire Rope Hoist Crane Package ..... 15

5.2 Bridge Panel for Electric Chain Hoist Crane Package ..... 16

6 CONTROL SYSTEM PRODUCT CODE ..... 17

6.1 PRQ Push Button Pendant ..... 17

6.2 PD Push Button Pendant ..... 18

6.3 PXR Push Button Pendant (Hazardous location) ..... 19

6.4 RaCon Radio Control ..... 20

6.5 RaCon ARC Radio Control ..... 21

7 INVERTER PRODUCT CODE ..... 22

7.1 ControlMaster™ EDGE ..... 22

7.2 ControlMaster™ NXT ..... 22

7.3 ControlMaster™ LDR ..... 23

7.4 ControlMaster™ Aspire ..... 24

7.5 ControlMaster™ Elite ..... 25

8 ELECTRIC CHAIN HOIST PRODUCT CODE ..... 26

8.1 Stagemaker® SR Concert Hoist ..... 26

8.2 LK Electric Chain Hoist ..... 27

# 1 WIRE ROPE HOIST PRODUCT CODE

## 1.1 Spacemaster® SX Wire Rope Hoist

<b>SX</b> 1,2	<b>2</b> 3	<b>041</b> 4, 5, 6	<b>0020</b> 7, 8, 9, 10	<b>P</b> 11	<b>1</b> 12	<b>5</b> 13	<b>F</b> 14	<b>A</b> 15	<b>L0</b> 16,17	<b>N</b> 18
------------------	---------------	-----------------------	----------------------------	----------------	----------------	----------------	----------------	----------------	--------------------	----------------

Pos.	Code	Feature	Available properties	
1,2	<b>SX</b>	Brand	SX	SX Wire Rope Hoist
3	<b>2</b>	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	<b>041</b>	Reeving type	Single Reeved 021 041 061 081	2- part single 4-part single 6-part single 8-part single
7, 8, 9, 10	<b>0050</b>	Capacity	Capacity x 100 (unit: Kg) 0050 x 100 = 5000 Kg Capacity x 0.1 (unit Ton) 0050 x 0.1 = 5 Ton	
11	<b>P</b>	Hoist motor type	P	Two-speed motor
			S A	ESR inverter-duty motor ASR inverter-duty motor
12	<b>1</b>	Hoist Motor Power	Code X 1 2 3 4 5	60 Hz kW / HP 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
			See Spacemaster® SX price pages and technical guide for additional hoist motor code & power rating information.	
13	<b>5</b>	Hoist duty group	Code 3 4 5 6	ASME Duty class H2 H3 H4 H4+
			FEM / ISO Duty class 1Bm / M3 1Am / M4 2m / M5 3m / M6	
14	<b>F</b>	Hoist gear code	Code E F G H J	60 Hz hoist speed fpm (reeving type) 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)
			60 Hz hoist speed m/min (reeving type) 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	<b>A</b>	Drum length code	Code A B C D E F G H	Rope drum length 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
			Code J K L M N Z X Rope drum length 1600 mm 1900 mm 2250 mm 2500 mm 2800 mm 1400 mm Special drum length	
16,17	<b>L0</b>	Trolley type	Code 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	<b>N</b>	Special properties	Code N F	Standard hoist without any options Options selected from option list
			Code S	Special hoist

1.2 Spacemaster® SXL Wire Rope Hoist

<b>SXL</b> 1,2,3	<b>19</b> 4,5	<b>062</b> 6,7,8	<b>05</b> 9,10	<b>53</b> 11,12	<b>F</b> 13
---------------------	------------------	---------------------	-------------------	--------------------	----------------

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

1.3 Spacemaster® EX Wire Rope Hoist (Hazardous location)

<b>SX</b>	<b>4</b>	<b>EX</b>	<b>D2</b>	<b>041</b>	<b>0500</b>	<b>P</b>	<b>3</b>	<b>5</b>	<b>E</b>	<b>C</b>	<b>L0</b>	<b>N</b>
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	<b>SX</b>	Brand	SX	SX Wire Rope Hoist		
3	<b>4</b>	Frame size	Code 4	355 mm rope drum diameter		
			Code 5	406 mm rope drum diameter		
4,5	<b>EX</b>		Code 6	608 mm rope drum diameter		
			Code 7	608 mm rope drum diameter		
6,7,8	<b>D2</b>	Gas category	Hazardous location (Ex-proof)			
			Code	Description	Electric standard/ approval	
			D2	Class I, Division 2, Group B, C and D, T3 temperature class	NEC / CSA	
			D1	Class I, Division 1, Group C and D, T4 temperature class	NEC / CSA	
			Z1	Zone 1 IIB or IIC T4	ATEX / IEC	
9,10,11	<b>041</b>	Reeving type	Z2	Zone 2 IIB or IIC T3	ATEX / IEC	
			Z21	Zone 21 IP65 T +135oC	ATEX / IEC	
			Single Reeved		Double Reeved	
			021	2-part single	022	2-part double
			041	4-part single	042	4-part double
12,13,14,15	<b>0050</b>	Capacity	061	6-part single	062	6-part double
			081	8-part single	082	8-part double
			Capacity x 100 (unit: Kg) 0050 x 100 = 5000 Kg Capacity x 0.1 (unit: Ton) 0050 x 0.1 = 5 Ton			
16	<b>P</b>	Hoist motor type	P	Two-speed motor (Zone 2 or Div. 2)		
			E	Two-speed motor (Zone 1 or Div. 1)		
17	<b>3</b>	Hoist Motor Power	Code			
			1	SX4		
			3	SX4		
			5	SX5		
18	<b>5</b>	Hoist duty group	Code			
			3	ASME Duty class H2	FEM / ISO Duty class 1Bm / M3	
			4	H3	1Am / M4	
			5	H4	2m / M5	
			6	H4+	3m / M6	
19	<b>F</b>	Hoist gear code	Code			
			E			
			F			
			H			
20	<b>A</b>	Drum length code	Code			
			B	Rope drum length 340 mm	H	Rope drum length 1250 mm
			C	440 mm	J	1600 mm
			D	540 mm	K	1900 mm
			E	660 mm	L	2250 mm
			F	810 mm	M	2500 mm
			G	1000 mm	N	2800 mm
21,22	<b>L0</b>	Trolley type	Code			
			L0	Low headroom hoist		
			N0	Normal headroom hoist		
			D0	Double girder (standard)		
23	<b>N</b>	Special properties	Code			
			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

<b>RSN</b>	<b>09</b>	<b>-</b>	<b>16</b>	<b>65</b>	<b>-</b>	<b>400</b>	<b>200</b>	<b>C</b>	<b>0000</b>	<b>-</b>	<b>N</b>
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	<b>RSN</b>		Product name	RSN	R&M end truck series – new generation						
4,5	<b>09</b>		Wheel diameter	09	90 mm						
				11	110 mm						
				14	140 mm						
				16	160 mm						
6	<b>-</b>		Description	-	Standard			C	Asymmetrical joint with single girder		
7,8	<b>16</b>		Wheelbase	Wheelbase dimension		Applicable end truck					
				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	<b>65</b>	BT08	Groove width	Range	End truck	Available groove widths			Min. wheel groove		
				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	<b>-</b>		Number of drive wheels	-	One drive wheel / truck						
				D	Two drive wheels / truck						
12,14	<b>400</b>		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	<b>200</b>		Joint plate height	EBN09	200, 215						
				EBN11	255						
				EBN14	255						
				EBN16	255, 305		200 mm, 215 mm, 255 mm, 305 mm				
18	<b>C</b>	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	<b>0000</b>		Bolt joint distance	XXXX	Joint plate distance from bolt centers – double girder		0000	Single girder			
23	<b>-</b>		Color code	-	Standard primary paint		K	Standard finishing paint			
24	<b>N</b>		Special properties	N	Standard		E	Special			

2.2 RT Top-running End Truck

<b>RT</b>	<b>50</b>	-	<b>27</b>	<b>80</b>	-	<b>K5</b>	<b>0500</b>	<b>C</b>	<b>0000</b>	-	<b>N</b>
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	<b>RT</b>		Short product name	RT	R&M
3,4	<b>50</b>		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	<b>27</b>		Wheelbase	Wheelbase dimension	End Truck
				14 1400 mm	RT09, RT11, RT14
				18 1800 mm	RT09, RT11, RT14, RT20
				22 2200 mm	RT09, RT11, RT14, RT20, RT25, RT32, RT50
				27 2700 mm	RT11, RT14, RT20, RT25, RT32, RT50
				31 3100 mm	RT14, RT20, RT25, RT32, RT50
				38 3800 mm	RT14, RT20, RT25, RT32, RT50
				45 4500 mm	RT25, RT32, RT50
				50 5000 mm	RT25, RT32, RT50
				55 5500 mm	RT25, RT32, RT50
8,9	<b>80</b>	BT08	Groove width, mm	End Truck 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	<b>K5</b>		Joint type	Top joints	
				P3 4-bolt connection (B<300mm)	End Truck 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
				Side joints	
				R3	RT20
				R4	RT20
				R5	RT20
13-16	<b>0500</b>		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	<b>C</b>	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	<b>0000</b>		Bogie inner wheel distance, mm	0000	No bogie type end carriage
22	-		Color code	- Standard primary paint K Standard finishing paint	
23	<b>N</b>		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	9,10	11	12,13	14-17	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	Code	Wheel diameter	End truck	Code	Wheel diameter	End truck		
				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	Wheelbase dimension	Applicable end truck						
				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	Range	End truck	Min. wheel groove	Range	End truck	Min. wheel groove		
				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	55-130	RTN50B	Rail width + 15 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	S		One drive wheel / bogey end 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 (flg 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.			
18	C	BT19	Buffer type	RTN/RTL09	A, B, C, K, G, E		RTN32	B, C, D, K, G, E, M, F, H, P, I, S, T, Y			
				RTN11	A, B, C, K, G, E		RTN40	B, C, D, K, G, E, M, F, H, P, I, S, T, Y			
				RTN14	A, B, C, D, K, G, E, M, F, H, P		A, B, C, D	Rubber buffers			
				RTN16	A, B, C, D, K, G, E, M, F, H, P		K, G, E, M, F	Polyurethane buffers			
				RTN20	A, B, C, D, K, G, E, M, F, H, P, I, S		H, P, I, S, T, Y	Polyurethane buffers			
				RTN25	A, B, C, D, K, G, E, M, F, H, P, I, S		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

<b>RU</b>	<b>08</b>	<b>-</b>	<b>23</b>	<b>080</b>	<b>-</b>	<b>SA3</b>	<b>0000</b>	<b>C</b>	<b>0000</b>	<b>-</b>	<b>N</b>
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	<b>RU</b>		Product name	RU R&M end truck series; Platform series (UU); I-beam truck frame RH R&M end truck series; Platform series (UR); U-shape truck frame
3,4	<b>08</b>		Wheel diameter	08 80 mm 10 100 mm 13 125 mm 20 200 mm
5	<b>-</b>		Description	- Standard B Bogie C Asymmetrical joint for single girder
6,7	<b>23</b>		Wheelbase	Wheelbase dimension Applicable end truck 12 1200 mm RU08, RU10, RU13 14 1400 mm RU08, RU10, RU13, RH10, RH13 18 1800 mm RU08, RU10, RU13, RU20, RH10, RH13 23 2300 mm RU08, RU10, RU13, RU20, RH10, RH13 28 2800 mm RU08, RU10, RU13, RU20, RH10, RH13 32 3200 mm RU10, RU13, RU20, RH13 35 3500 mm RU10, RU13, RU20, RH13 40 4000 mm RU20
8-10	<b>080</b>		Runway flange width	Code Flange width range, applicable end truck 073-313 73-313 mm, RU08 (63...158 mm special flange range with patented track wheels) 083-322 83-322 mm, RU10, RH10 (61...157 mm flange range with patented track wheels) 100-343 100-343 mm, RU13, RH13 (61...223 mm flange range with patented track wheels) 127-418 127-418 mm, RU20 (No patented track wheels available for RU20 or RH20)
11	<b>-</b>		Number of bridge drives	- D S D
12-14	<b>SA3</b>		Joint type	Code Applicable end truck SA3 4-bolt connection, M16 bolt (flange width < 300 mm) RU08 SB4 4-bolt connection, M20 bolt (flange width < 410 mm) RU10 SC3 8-bolt connection, M20 bolt (flange width 200 mm - 310 mm) RU13 SC4 8-bolt connection, M20 bolt (flange width 300 mm - 410 mm) RU13 SC5 8-bolt connection, M20 bolt (flange width 410 mm - 510 mm) RU13 SD3 12-bolt connection, M20 bolt (flange width 200 mm - 310 mm) RU20 SD4 12-bolt connection, M20 bolt (flange width 300 mm - 410 mm) RU20 SD5 12-bolt connection, M20 bolt (flange width 410 mm - 510 mm) RU20 HB4 4-bolt connection, M20 bolt (flange width < 410mm) RH10 HC3 8-bolt connection, M20 bolt (flange width 200 mm - 310 mm) RH13 HC4 8-bolt connection, M20 bolt (flange width 300 mm - 410 mm) RH13 HC5 8-bolt connection, M20 bolt (flange width 410 mm - 510 mm) RH13 HD3 16-bolt connection, M20 bolt (flange width 200 mm - 310 mm) RH20 HD4 16-bolt connection, M20 bolt (flange width 300 mm - 410 mm) RH20 HD5 16-bolt connection, M20 bolt (flange width 410 mm - 510 mm) RH20

				Code	Bolted joint connection without joint plate	Applicable end truck
				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
				Code	Welded without joint plate	Applicable end truck
				WA_		RU08
				WB_		RU10
				WC_		RU13
				WD_		RU20
				Code	Special joint	Applicable end truck
				000	Special joint –design by the crane builder	RU, RH
15-18	<b>0000</b>		Bolt joint distance, mm	####	The distance between for two joint plates for a double girder crane. It is the distance from alignment pins.	Dimension from drive wheel to joint plate pin when the joint plate is positioned asymmetrically for a single girder crane.
19	<b>C</b>	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 K, G, E, M, F, H, P 0 Rubber buffers Polyurethane buffers No buffer
20-23	<b>0000</b>		Bogie inner wheel distance, mm	0000	Standard, (Not a bogie end truck configuration)	
24	-		Color code	- K	Standard primary paint Standard finishing paint	
25	<b>N</b>		Special properties	N E	Standard Special	

### 3 TRAVELING MACHINERIES PRODUCT CODE

#### 3.1 GE Drive

<b>GE</b>	<b>K</b>	<b>1</b>	<b>06</b>	<b>P</b>	<b>T</b>	<b>1</b>	<b>B</b>	<b>O</b>	<b>F06MA</b>	<b>200-6400</b>	<b>N</b>
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	<b>GE</b>		Gear	GE	
3	<b>K</b>		Type	K Specific Trolley Drive (WRH) L Specific Trolley Drive (ECH) M Hollow shaft	S Solid shaft T Reserved N Reserved
4	<b>1</b>		Machinery size (Torque Range)	1 0 Nm < T2 < 50 Nm 2 16 Nm < T2 < 125 Nm 3 40 Nm < T2 < 320 Nm	4 100 Nm < T2 < 800 Nm 5 250 Nm < T2 < 2000 Nm 6 630 Nm < T2 < 5000 Nm
5,6	<b>06</b>		Ratio code	01... 1st mark: 0, 1, 2 ... 9, A (=10), B (=11) ...99... 2nd mark: 0, 1, 2 ... 9 ...H9 A0=100, B0=110, G5=165, etc.	
7	<b>P</b>		Options	P Standard, no options (plain) F Flywheel	G Gantry type gear (RES4, RES5) V Stronger version (RES320V, RES316V, RES313V with MF06LB motor)
8	<b>T</b>	TG05	Secondary shaft type	T Driving Pinion K Keyway S Spline	D Spline + Plain E Reserved (Special)
9	<b>1</b>	TG06	Version type	1...9 Versioning of machinery spline size, shaft size	
10	<b>B</b>		Color	B B-Black (Dark grey)	
11	<b>O</b>		Future reservation	O No feature	
12-16	<b>F06MA</b>		Motor type and size	F Motor type code (B, F, T, etc.) 06 Frame size (06, 07...) M Stator length (S, M, L, Z, E) A Power code (A, B, C...)	
17-24	<b>200-6400</b>		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-pole-pairs - Filling mark "dash" 5 Power Supply frequency: 5-50Hz, 6-60Hz 400 Power supply Voltage, 380, 400, ...	
25	<b>N</b>		Order type	E Special Order, details defined with P.O. N Normal Order (Standard Motor)	



## 4 POWER SUPPLY PACKAGE PRODUCT CODE

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

<b>QQ</b>	<b>S</b>	<b>M</b>	<b>S</b>	<b>1</b>	<b>2</b>	<b>L</b>	<b>6</b>	<b>B</b>	<b>P3</b>	<b>76</b>	<b>105</b>	<b>-</b>
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	<b>QQ</b>		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	<b>S</b>		Type of power supply	S Festoon - Flat cables C Conductor rails	E NRGmaster (Energy chain electrification system; requires radio controls)
4	<b>M</b>		Power supply for	C Crane M Hoist/trolley and pushbutton pendant	H Hoist P Pushbutton pendant
5	<b>S</b>	BT03	Crane type	S Single girder, top running U Single girder, under running D Double girder	C Compact crane M Monorail hoist
6	<b>1</b>		Number of hoists	1 1 hoist/bridge 2 2 hoist/bridge	3 3 hoist/bridge
7	<b>2</b>	(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	GE09 value 4 SX6: ø608 mm rope drum 5 SX7: ø608 mm drum 7 Chain hoist frame size D E 10, 16, 25
8	<b>L</b>	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	<b>6</b>	(GE16)	Main girder height	1...9 Height 100...900mm, 400 mm = 4 Note: Monorail = 9 -> Height > 900 mm X Height > 900 mm	GE16 value = 100...900
10	<b>B</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 DIM03 value = 80 (mm)
11,12	<b>P3</b>	(HM01) (HM02)	Hoisting motor type/size	Hoisting motor type 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	Hoisting motor size 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	<b>76</b>	(ELE01)	Main voltage range	20 50 Hz: (U/10) - 20, Ex. (400 V / 10) - 20 = 20 76 60 Hz: (U/10) + 30, Ex. (460 V / 10) + 30 = 76	e.g. ELE01 value = 400 (V)
15-17	<b>105</b>	DIM18	Span/length of runway	DIM18 value 095 9.5 m 105 10.5 m	
18	<b>-</b>		Special properties	- Standard E Special	

4.2 Electrification Package – Spacemaster® SXL WRH

<b>UC</b>	<b>S</b>	<b>M</b>	<b>D</b>	<b>1</b>	<b>9</b>	<b>M</b>	<b>X</b>	<b>0</b>	<b>YC</b>	<b>76</b>	<b>105</b>	<b>-</b>
			BT03		(GE09)	DES01	(GE16)	(DIM03)	(HM01) (HM02)	(ELE01)	DIM18	
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	<b>UC</b>	PS46	Crane layout	UC C-rail festoon for SXL hoist UI I-beam festoon for SXL hoist	
3	<b>S</b>	PS01/PS02	Type of power supply	S Festoon - Flat cables C Conductor rails	
4	<b>M</b>		Power supply for	C Crane M Hoist/trolley and pushbutton pendant H Hoist	
5	<b>D</b>	BT03	Crane type	D Double girder	
6	<b>1</b>		Number of hoists	1 1 hoist/bridge 2 2 hoist/bridge	
7	<b>9</b>	(GE09)	Hoist frame size	Without crane service platform GE09 value UM17 UM18 UM19 UM20 9 SXL / PDW hoist	With crane service platform OTH03 - YES GE09 value F SXL hoist UM17 UM18 UM19 UM20
8	<b>M</b>	DES01	Trolley type	M Double girder trolley (medium connection)	X Special trolley
9	<b>X</b>	(GE16)	Main girder height	1...9 Height 100...900mm, e.g. 400 mm = 4 X Height > 900mm	e.g. GE16 value = 100...900
10	<b>0</b>	(DIM03)	Flange width (B-measure)	0 Double girder trolleys	
11,12	<b>YC</b>	(HM17) (HM18)	Hoisting motor type/size	HM1 Hoisting motor type 7 Hoist motor connection type Y Hoist motor connection type D Undefined -	HM1 Hoisting motor size 8 MF13XR200 B MF16ZR200 C MF18XR200 D MF22LR200 E Undefined -
13,14	<b>76</b>	(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	<b>105</b>	DIM18 / DIM13	Span/length of runway	DIM18 / DIM13 value 095 9.5 m 105 10.5 m	
18	<b>-</b>		Special properties	- Standard E Special	

## 5 CONTROL PANEL PRODUCT CODE

### 5.1 Bridge Panel for Wire Rope Hoist Crane Package

<b>BP</b> 1-6	<b>P</b> (HM01) 7	<b>2</b> (HM02) 8	- 9	<b>2</b> 10	<b>2</b> (TR01) 11	<b>2</b> (BT01) 12	<b>4</b> 13	<b>V3</b> PE13 14-15	- 16	<b>20</b> (ELE01) 17-18	<b>H</b> (ELE02) 19	<b>0</b> 20
------------------	-------------------------	-------------------------	--------	----------------	--------------------------	--------------------------	----------------	----------------------------	---------	-------------------------------	---------------------------	----------------

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

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

Pos.	Code	Feature code	Feature	Available properties		
1-6	<b>BP</b>		Product name	BP R&M		
7	<b>1</b>	(HM01)	Hoist motor type	HM01 value		
			1 Two-speed motor	1		
			2 Single-speed motor (not used)	2		
			3 Inverter-duty motor	3		
8	<b>2</b>	(HM02)	Motor power	HM02 value		Hoist Model – Motor type (two-speed/inverter)
			C 1.0 kW / 1.3 hp / 60 Hz, C1/V1 motor	C		LM05 – C1/V1 motor
			1 2.1 kW / 2.8 hp / 60 Hz, C2/V2 motor	1		LM10 – C2/V2 motor
			3 4.2 kW / 5.6 hp / 60 Hz, C3/V2 motor	3		LM16 – C3/V3 motor LM20 – C3/V3 motor LM25 – C3/V3 motor
9	<b>-</b>					
10	<b>1</b>		Number of hoists on the bridge	1 – one hoist on bridge		
11	<b>Q</b>	(TR01)	Trolley travel control	TR01 value		
			N Freq. control D2M mounted on trolley	D2M		
			Q Freq. control DMCS mounted on trolley	DYD		
12	<b>Q</b>	(BT01)	Bridge travel control	BT01 value		BT01 value
			1 1-speed	1SP	M	CM Select VFD D2M
			2 2-speed	2SP	M	CM LDR TDN
					Q	CMXC VFD DYD
					Q	CM NXT VFD TMK
13	<b>4</b>		Panel size	4 Height 400 mm, depth 250 mm (EEC) * 6 Height 600 mm, depth 250 mm (EEF) *		A Height 1000 mm, depth 350 mm (KA220) *
14,15	<b>00</b>	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	<b>-</b>					
17,18	<b>76</b>	(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		Ex. ELE01 value = 400 (V)
19	<b>J</b>	(ELE02)	Control voltage	ELE02 value		ELE02 value
			H 48 V	48	N	230 V 230
			J 115 V	115		
20	<b>0</b>		System features	0 Standard BP		E Special application



## 6 CONTROL SYSTEM PRODUCT CODE

### 6.1 PRQ Push Button Pendant

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

Pos.	Code	Feature code	Feature	Available properties	
1-3	<b>PRQ</b>	GE01	Product name/Brand	PRQ New pushbutton pendant series	
4,5	<b>06</b>	(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	PE11 value POQ02 POQ04 POQ06 POQ10
6	<b>2</b>		Hoisting control type	2 2-step push button 1 1-step push button	0 Without hoisting buttons
7	<b>2</b>		Trolley travel control type	2 2-step push button 1 1-step push button	0 Without trolley travel buttons
8	<b>2</b>		Bridge travel control type	2 2-step push button 1 1-step push button	0 Without bridge travel buttons
9	<b>1</b>	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	<b>C</b>	(ELE44)	Direction symbols	D DIN and FEM standard F SFS standard (Finnish) C ANSI standard (compass)	ELE44 value DIN FIN ANSI L English letters E Special symbols ELE44 value ENG NONSTD
11,12	<b>V3</b>	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	<b>-N</b>		Aux device mounting	-N No extra buttons -Y Extra buttons	
15-17	<b>092</b>		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	<b>PE3</b>	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	<b>0</b>	(PE21)	Magnet	0 No magnet for pendant housing	M Magnet for pendant housing PE21 value YES
22	<b>0</b>		System features	0 Standard - no special features	E Special features

6.2 PD Push Button Pendant

<b>PD</b>	<b>12</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>N</b>	<b>D</b>	<b>V3</b>	<b>-</b>	<b>092</b>	<b>P</b>	<b>0</b>
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	<b>PD</b>		Product name	PD	
3,4	<b>12</b>		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	<b>-</b>				
6	<b>2</b>		Hoisting control type	1 1-step push-button 2 2-step push-button	0 Without hoisting buttons
7	<b>2</b>		Trolley travel control type	1 1-step push-button 2 2-step push-button	0 Without trolley travel buttons
8	<b>2</b>		Bridge travel control type	1 1-step push-button 2 2-step push-button	0 Without bridge travel buttons
9	<b>2</b>	PE12	Main contactor on button	1 Push-button for main contactor energizing 2 Push-button for main contactor energizing and horn	0 Without push-button for main contactor energizing and horn
10	<b>N</b>	PE15	Emergency stop	N Normal mushroom button	K Mushroom button with key for releasing
11	<b>D</b>	(ELE44)	Symbols	D DIN standard F Finnish standard S Swedish standard	C ANSI standard L English letters E Special symbols
				ELE44 value DIN FIN SEN	ELE44 value ANSI ENG SPEC
12,13	<b>V3</b>	PE13	Selection of the hoists	V2 Selection I or II V3 Selection I, I+II, II	00 Without selection VE Special selection
14	<b>-</b>				
15-17	<b>092</b>	(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	<b>P</b>	(ELE16)	Connector on the top of the rising cable	P Plug connector for the festoon (Moveable pendant) 0 Without connector	H Connected to the hoist panel (monorail hoist) B Connected to bridge panel (for back-up use)
				ELE16 value PE3 000	ELE16 value PE2 PE1
19	<b>0</b>		System features	0 Standard PD	E Special application

6.3 PXR Push Button Pendant (Hazardous location)

<b>PX</b>	<b>R</b>	<b>08</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>N</b>	<b>C</b>	<b>00</b>	<b>-</b>	<b>092</b>	<b>0</b>	<b>0</b>
1,2	GE01 3	(PE11) 4,5	6	7	8	PE12 9	PE15 10	(ELE44) 11	PE13 12,13	14	15-17	ELE16 18	19

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

6.4 RaCon Radio Control

<b>RaCon</b>	<b>516</b>	<b>MI</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>TD</b>	<b>RP</b>	<b>CE</b>	<b>00</b>	<b>ST</b>
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	<b>RaCon</b>		Product name	RaCon R&M brand name for REMOX							
6-8	<b>516</b>	REM10	Receiver	510 8 relay outputs – for monorail hoists only	524 24 relay outputs - for cranes		736 36 relay outputs – for cranes		770 100 relay outputs – for cranes		
9,10	<b>MI</b>	REM11	Transmitter	QU max. 8 pcs. 2-step pushbuttons for 3 motions, light, horn, use with receiver 510 or 512	MI max. 10 pcs. 2-step pushbuttons for 3 motions, light, horn, suitable for receiver 510 or 516		M3 max. 10 pcs. 2-step pushbuttons and 5 step rotary switches, display for CID, suitable for receiver 516 or 524		EC 2 pcs. 2-step joysticks for 3 motions, light, horn (standard joystick), suitable for receiver 510, 512 or 516		
				SP 2pcs. 2-step joysticks for 3 motions, light, horn (advanced joystick), suitable for receiver 510, 512, 516, 524 or 736	S2 2 pcs. 2-step joysticks for 3 motions, light, horn, display for CID (adv. joystick), suitable for receiver 516, 524 or 736		SA 2 pcs. analogue joysticks for 3 motions, light, horn, suitable for receiver 736		SN 2 pcs. analogue joysticks for 3 motions, light, horn, display for CID, suitable for receiver 736		
				I2 Pushbutton, CANopen	IC Joystick, CANopen		IP Joystick, ProfiBus				
11	<b>0</b>		Infra-key system	I Included	O Not included						
12	<b>S</b>		Hoist selector switch	S Incl. with 3 positions (I, I+II, II)	T Incl. with 2 positions (I, II)		B Incl. With 3 positions (I, II, III)				
					REM19 Value V3		A 3 positions (I, I+II, II) + Main Aux switch		REM19 Value VM		
					V2		K 7 positions (I, II, III, I+II, II+III, I+II+III)		V7		
					S3		O Not included		-		
13	<b>0</b>		Auxiliary device	A Included (1 x ON, 2 x OFF)		O Not included					
14,15	<b>TD</b>	(ELE44)	Direction symbols	ELE 44 value		ELE 44 value					
				TD DIN and FEM standard	DIN		TC ANSI standard (compass)		ANSI		
				TF SFS standard	FIN		TL English letters		ENG		
				TS SIS standard	SEN		SS Special symbols		SPEC		
16,17	<b>RP</b>	(ELE02)	Receiver power supply	ELE02 value		ELE02 value					
				RP 48 V, 50/60 Hz	48		RV 230 V, 50/60 Hz		230		
				RT 115 V, 50/60 Hz	115		RX 48-230 V, 50/60 Hz				
18,19	<b>CE</b>	REM12	Charger type	CE 230 V, 50/60 Hz euro plug		CU 115 V, 50/60 Hz USA plug					
				CB 230 V, 50/60 Hz wires for local plug							
20,21	<b>00</b>	REM13	Tandem operation	00 No tandem operation		TM Master transmitter **)					
				T1 Single transmitter **)		TS Slave transmitter					
				T2 Dual transmitter **)		CR Catch / Release					
22,23	<b>ST</b>		System features	ST Standard RaCon system		SP Special application					
				S2 Standard RaCon system with spare transmitter included		P2 Special application with spare transmitter Included					
				SW Standard RaCon system with Sway Control		SS Special application with Sway Control					
				W2 Standard RaCon system with Sway Control and spare transmitter		C2 Special application with Sway Control and spare transmitter					

\*\* ) Crane selector switch is included.

6.5 RaCon ARC Radio Control

<b>ARC</b> 1-3	<b>ARCH11</b> REM10 4-9	<b>T8C</b> REM11 10-12	<b>I</b> REM18 13	<b>S</b> 14	<b>0</b> 15	<b>A</b> (ELE44) 16	<b>1</b> (OTH55) 17	<b>1</b> UL approval 18	<b>0</b> spare 19
-------------------	-------------------------------	------------------------------	-------------------------	----------------	----------------	---------------------------	---------------------------	-------------------------------	-------------------------

Pos.	Code	Feature code	Feature	Available properties
1-3	<b>ARC</b>		Product name	ARC
4-9	<b>ARCH11</b>	REM10	Receiver	11 function output relays (5A / 250 VAC), 2 stop relays (5A / 250 VAC)
10-12	<b>T8C</b>	REM11	Transmitter	T8B Lithium ion (rechargeable battery) T8C AAA battery
13	<b>I</b>	REM18	Antenna	I Internal E External (if receiver is mounted inside control panel)
14	<b>S</b>		Interface	S Standard
15	<b>0</b>		Relay expansion	0 No 1 Yes
16	<b>A</b>	(ELE44)	Direction symbols	D DIN and FEM standard S SFS standard A ANSI standard (compass) ELE 44 value DIN FIN ANSI
17	<b>1</b>	(OTH55)	Orientation of direction symbols	1 Forward or North in direction 1 2 North in direction 2 3 Forward or North in direction 3 4 North in direction 4 X Undefined OTH55 value 1 2 3 4 -
18	<b>1</b>	(EL04)	UL approval	0 No UL approval 1 cULus approval
19	<b>0</b>		Spare	

## 7 INVERTER PRODUCT CODE

### 7.1 ControlMaster™ EDGE

<b>CMEDGE</b> 1-6	<b>004</b> 7-9	<b>E</b> 10	<b>1</b> 11	<b>0</b> 12	<b>0</b> 13
----------------------	-------------------	----------------	----------------	----------------	----------------

Pos.	Code	Feature code	Feature	Available properties	
1-6	<b>CM EDGE</b>	(HS01) (TR01) (BT01)	Device name	TDU	HS01 Type of hoist control TR01 Type of trolley travel control BT01 Type of bridge travel control
7-9	<b>004</b>	(ELE83) (ELE84) (ELE85)	Power rating class	004, 009, 017, 028, 045	ELE83 Hoisting inverter power rating ELE84 Trolley travel inverter power rating ELE85 Bridge travel inverter power rating
10	<b>E</b>	(ELE83) (ELE84) (ELE85)	Supply voltage	E 380 – 480 V <sub>AC</sub> , 50/60 Hz	Values are composed of two features: power rating class and supply voltage. E.g 004E = ELE83/ELE84/ELE85 value.
11	<b>1</b>	(ELE02)	Option board	0 No digital input option board (Fieldbus) 1 Digital input option board, 48-230 V <sub>AC</sub> 2 Digital input option board, 24 V <sub>DC</sub>	
12	<b>0</b>		Reserved	Reserved for future use	
13	<b>0</b>		Reserved	Reserved for future use	

### 7.2 ControlMaster™ NXT

<b>CMNXT</b> (TR01) 1-5	<b>003</b> (ELE84) 6-8	<b>E</b> (ELE84) 9	<b>T</b> (ELE02) 10	<b>XX</b> 11,12	<b>0</b> 13	<b>W</b> 14	<b>M</b> 15	<b>M</b> 16
-------------------------------	------------------------------	--------------------------	---------------------------	--------------------	----------------	----------------	----------------	----------------

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

7.3 ControlMaster™ LDR

<b>CMLDR</b> (TR01) 1-5	<b>004</b> (ELE84) 6-8	<b>E</b> (ELE84) 9	<b>T</b> (ELE02) 10	<b>10</b> 11,12	<b>0</b> 13	<b>W</b> 14	<b>M</b> 15	<b>0</b> 16
-------------------------------	------------------------------	--------------------------	---------------------------	--------------------	----------------	----------------	----------------	----------------

Pos.	Code	Feature code	Feature	Available properties	
1-5	<b>CMLDR</b>	(TR01) (BT01)	Device name	Branded Name	
				ControlMaster™ LDR	
				TR01 Type of trolley control BT01 Type of bridge control	
6-8	<b>004</b>	(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	<b>E</b>	(ELE84) (ELE85)	Supply voltage	E	380 – 480VAC, 50/60 Hz
10	<b>T</b>	(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	<b>10</b>		Revision code	The latest revision may differ.	
13	<b>0</b>		Braking resistor type	0	External braking resistor
14	<b>W</b>		Mounting	W	Wall mounting
				1	Through plate flange mounting
15	<b>M</b>		EMC level and grounding	M	Modifiable (ground → non-ground)
16	<b>0</b>		Option board	0	Modifiable

7.4 ControlMaster™ Aspire

<b>CMAspire</b> (HS01) 1-9	<b>012</b> (ELE83) 10-11	<b>E</b> (ELE83) 12	<b>T</b> (ELE02) 13	<b>10</b> 14,15	<b>B</b> 16	<b>W</b> 17	<b>M</b> 18	<b>M</b> 19
----------------------------------	--------------------------------	---------------------------	---------------------------	--------------------	----------------	----------------	----------------	----------------

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



7.5 ControlMaster™ Elite

<b>CMEH</b> (HS01) (TR01/BT01) 1-4	<b>007</b> (ELE83) (ELE84/ELE85) 5-7	<b>F</b> (ELE83) (ELE84/ELE85) 8	<b>V</b> (ELE02) 9	<b>55</b> 10,11	<b>A</b> 12	<b>0</b> 13	<b>0</b> ELE97 14	<b>1</b> 15	<b>0</b> 16
---	---	---	--------------------------	--------------------	----------------	----------------	-------------------------	----------------	----------------

Pos.	Code	Feature code	Feature	Available properties	
1-4	<b>CMEH</b> <b>CMET</b>	(HS01) (TR01/BT01)	Device name	CMEH Hoisting inverter CMET Travelling inverter	D2H D2C HS01 Type of hoist control (D2H) TR01 Type of trolley control (D2C) BT01 Type of bridge control (D2C)
5-7	<b>007</b>	(ELE83) (ELE84) (ELE85)	Power rating class	002 - 132	ELE83 Hoisting inverter power rating ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating
8	<b>F</b>	(ELE83) (ELE84) (ELE85)	Supply voltage	F 380 – 500VAC, 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	<b>V</b>	(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	<b>55</b>		Revision code	The latest revision may differ.	
12	<b>A</b>		Braking resistor type	A External resistor B Internal resistor (included only CMET up to 015F)	
13	<b>0</b>		Mounting	0 Standard panel	
14	<b>0</b>	ELE97	EMC level	0 Unlimited (non-EU area or non-grounded network) N Limited (EU area, grounded network)	
15	<b>1</b>		Boards	0 Standard 1 Standard with speed supervision 2 Profibus 3 Profibus with speed supervision 8 Relay 9 Relay with speed supervision	Reserved board slots 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	<b>0</b>		Special	0 None L Varnished boards	

## 8 ELECTRIC CHAIN HOIST PRODUCT CODE

### 8.1 Stagemaker® SR Concert Hoist

<b>SR</b>	<b>05</b>	<b>B</b>	<b>04</b>	<b>1</b>	<b>050</b>	<b>4</b>	<b>U</b>	<b>-</b>	<b>206</b>	<b>C</b>	<b>B</b>	<b>020</b>
1,2	3,4	5	6,7	8	9-11	12	13	14	15	20	21	22-24

Position	Code	Feature	Available Properties		
1,2	<b>SR</b>	Brand	STAGEMAKER Concert Hoist		
3,4	<b>05</b>	Body size	Code 02 05	Code 10 25	
5	<b>B</b>	Configuration	Code A – Direct control B – Control S - Single-phase		
6,7	<b>04</b>	Hoist speed	Code 02 04 08 16	60 Hz (fpm) 8 16 32 64	60 Hz m/min 2.4 4.8 9.6 19.2
8	<b>1</b>	Chain fall	1 2	1-fall 2-fall	
9,10,11	<b>050</b>	Capacity	Code 012 025 050 100 160 200 250	Ton 1/8 ¼ ½ 1 1 ½ 2 2 ½	Kg 125 250 500 1000 1600 2000 2500
12	<b>3</b>	Duty cycle	Code 3 4 5 6	ISO M3 M4 M5 M6	
13	<b>U</b>	Body position	Body up Body down	U D	
14-16	<b>-</b>	(Empty)			
17-19	<b>206</b>	Power supply	Code 206 236 466	Voltage – 60 Hz 208V 230V 460V	
20	<b>C</b>	Electrics	Code C E	CSA IEC	
21	<b>B</b>	Control voltage	Code A B C C	48VAC 115VAC 230VAC ACF	
22-25	<b>020</b>	Height of lift - meter	20 meters		

8.2 LK Electric Chain Hoist

<b>LK</b>	<b>10</b>	<b>08</b>	<b>1</b>	<b>200</b>	<b>M5</b>	<b>2SP</b>	<b>080</b>	<b>N</b>	<b>120</b>	<b>466</b>	<b>C</b>	<b>B</b>	<b>080</b>
1,2	3,4	5,6	7	8-10	11,12	13-15	16-18	19	20-22	23-25	26	27	28,29

Position	Code	Feature	Available Properties											
1,2	<b>LK</b>	Brand	LK electric chain hoist								FL/K			
3,4	<b>10</b>	Body size (GE09)	Code	<u>Available chain fall</u>										
			02	1-fall										
			05	1-fall										
			10	1-fall or 2-fall										
			16	1-fall or 2-fall										
			25	1-fall or 2-fall										
5,6	<b>08</b>	Hoist speed (SPD03)	Code	fpm – 60 Hz						m/min – 60 Hz				
			04	16 fpm						8 m/min				
			08	32 fpm						9.6 m/min				
			16	64 fpm						19.2 m/min				
7	<b>1</b>	Chain fall (DES27)	Code	<u>Description</u>										
			1	1-fall										
			2	2-fall										
			3	3-fall										
8-10	<b>050</b>	Capacity (LOA01)	Code	<u>Kg / ton</u>	Code	Kg / ton	Code	Kg / ton	Code	Kg / ton				
			012	125 / 1/8	100	1000 / 1	320	3200 / 3						
			025	250 / ¼	160	1600 / 1 1/2	400	4000 / 4						
			050	500 / 1/2	200	2000 / 2	500	5000 / 5						
11,12	<b>M5</b>	ISO duty		<u>ISO</u>	ASME									
				M4	H3									
				M5	H4									
				M6										
13-15	<b>2SP</b>	Hoist control (HS01)		1SP	Single speed									
				2SP	Two-speed									
				INV	Inverter									
16-18	<b>080</b>	Height of lift	meters	080	8 meters									
19	<b>N</b>	Suspension	Code	<u>Description of code</u>										
			N	Normal trolley										
			L	Low headroom trolley										
			S	Swivelling trolley										
			F	Top hook or lug										
20-22	<b>120</b>	Flange width (mm)												
23-25	<b>466</b>	Power supply	Code	<u>50 Hz supply</u>				Code				<u>60 Hz supply</u>		
			235	230V				206				208V		
			385	380V				236				230V		
			405	400V				466				460V		
								576				575V		
26	<b>C</b>	Electrics	Code	<u>Description of code</u>										
			C	CSA										
			E	IEC										
27	<b>B</b>	Control voltage	Code	Description of code										
			A	48										
			B	115										
			C	230										
28, 29	<b>20</b>	Traveling speed	Code	fpm – 60 Hz						m/min – 60 Hz				
			20	65 fpm						20 m/min				