

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 10

3 TRAVELING MACHINERIES PRODUCT CODE..... 12

3.1 GE Drive..... 12

3.2 QM Bridge Drive..... 13

4 POWER SUPPLY PACKAGE PRODUCT CODE 14

4.1 Electrification Package – Spacemaster® SX WRH and LK ECH 14

4.2 Electrification Package – Spacemaster® SXL WRH 15

5 CONTROL PANEL PRODUCT CODE 16

5.1 Bridge Panel for Wire Rope Hoist Crane Package 16

5.2 Bridge Panel for Electric Chain Hoist Crane Package..... 17

6 CONTROL SYSTEM PRODUCT CODE 18

6.1 PRQ Push Button Pendant 18

6.2 PD Push Button Pendant 19

6.3 PXR Push Button Pendant (Hazardous location) 20

6.4 RaCon Radio Control..... 21

6.5 RaCon Series III Radio Control..... 22

7 TRAVELING INVERTER PRODUCT CODE 23

7.1 ControlMaster™ NXT..... 23

7.2 ControlMaster™ LDR..... 23

8 HOIST INVERTER PRODUCT CODE..... 24

8.1 ControlMaster™ Aspire..... 24

8.2 ControlMaster™ Elite 25

9 ELECTRIC CHAIN HOIST PRODUCT CODE 26

9.1 Stagemaker® SR Concert Hoist 26

9.2 LK Electric Chain Hoist 27

1 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
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
12	1	Hoist Motor Power	<u>Code</u> 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	5	Hoist duty group	<u>Code</u> 3 4 5 6	ASME Duty class H2 H3 H4 H4+
14	F	Hoist gear code	<u>Code</u> 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	A	Drum length code	<u>Code</u> 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
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

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 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> <u>Rope drum length</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
2.1

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 11 14 16	90 mm 110 mm 140 mm 160 mm																				
6	-		Description	-	Standard C Asymmetrical joint with single girder																				
7,8	16		Wheelbase	<table border="0"> <tr> <td><u>Wheelbase dimension</u></td> <td><u>Applicable end truck</u></td> </tr> <tr> <td>13</td> <td>1250 mm</td> </tr> <tr> <td>16</td> <td>1600 mm</td> </tr> <tr> <td>20</td> <td>2000 mm</td> </tr> <tr> <td>25</td> <td>2500 mm</td> </tr> <tr> <td>32</td> <td>3150 mm</td> </tr> <tr> <td>40</td> <td>4000 mm</td> </tr> <tr> <td>45</td> <td>4500 mm</td> </tr> </table>	<u>Wheelbase dimension</u>	<u>Applicable end truck</u>	13	1250 mm	16	1600 mm	20	2000 mm	25	2500 mm	32	3150 mm	40	4000 mm	45	4500 mm	RSN09 RSN09, RSN11, RSN14, RSN16 RSN09, RSN11, RSN14, RSN16 RSN09, RSN11, RSN14, RSN16 RSN11, RSN14, RSN16 RSN14, RSN16 RSN16				
<u>Wheelbase dimension</u>	<u>Applicable end truck</u>																								
13	1250 mm																								
16	1600 mm																								
20	2000 mm																								
25	2500 mm																								
32	3150 mm																								
40	4000 mm																								
45	4500 mm																								
9,10	65	BT08	Groove width	<table border="0"> <tr> <td><u>Range</u></td> <td><u>End truck</u></td> <td><u>Available groove widths</u></td> <td><u>Min. wheel groove</u></td> </tr> <tr> <td>50-70 mm</td> <td>RSN09</td> <td>50, 55, 60, 65, 70 mm</td> <td>Rail width + 10 mm</td> </tr> <tr> <td>52-87 mm</td> <td>RSN11</td> <td>52, 57, 62, 67, 72, 77, 82, 87 mm</td> <td>Rail width + 12 mm</td> </tr> <tr> <td>54-84 mm</td> <td>RAN14</td> <td>54, 59, 64, 69, 74, 79, 84 mm</td> <td>Rail width + 14 mm</td> </tr> <tr> <td>54-84 mm</td> <td>RSN16</td> <td>54, 59, 64, 69, 74, 79, 84 mm</td> <td>Rail width + 14 mm</td> </tr> </table>	<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	
<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	- D	One drive wheel / truck Two drive wheels / truck																				
12,14	400		Joint type	EBN09 EBN11 EBN14 EBN16 EBN16	400 400 400 350 450 Profile or box girder, max flange width 400 mm Profile or box girder, max flange width 400 mm Profile or box girder, max flange width 400 mm Profile or box girder, max flange width 350 mm Box girder, max flange width 450 mm																				
15-17	200		Joint plate height	EBN09 EBN11 EBN14 EBN16	200, 215 255 255 255, 305 200 mm, 215 mm, 255 mm, 305 mm																				
18	C	BT19	Buffer size/type	RSN09 RSN11 RSN14 RSN16	A, B, C A, B, C, K, G, E B, C, D, K, G, E, M, F, H, P B, C, D, K, G, E, M, F, H, P A...C K, G, E M, F, H, P 0 Rubber buffers Polyurethane buffers Polyurethane buffers 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	<table border="0"> <tr> <td><u>Wheel base dimension</u></td> <td><u>End Truck</u></td> </tr> <tr> <td>14 1400 mm</td> <td>RT09, RT11, RT14</td> </tr> <tr> <td>18 1800 mm</td> <td>RT09, RT11, RT14, RT20</td> </tr> <tr> <td>22 2200 mm</td> <td>RT09, RT11, RT14, RT20, RT25, RT32, RT50</td> </tr> <tr> <td>27 2700 mm</td> <td>RT11, RT14, RT20, RT25, RT32, RT50</td> </tr> <tr> <td>31 3100 mm</td> <td>RT14, RT20, RT25, RT32, RT50</td> </tr> <tr> <td>38 3800 mm</td> <td>RT14, RT20, RT25, RT32, RT50</td> </tr> <tr> <td>45 4500 mm</td> <td>RT25, RT32, RT50</td> </tr> <tr> <td>50 5000 mm</td> <td>RT25, RT32, RT50</td> </tr> <tr> <td>55 5500 mm</td> <td>RT25, RT32, RT50</td> </tr> </table>	<u>Wheel base dimension</u>	<u>End Truck</u>	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						
<u>Wheel base dimension</u>	<u>End Truck</u>																													
14 1400 mm	RT09, RT11, RT14																													
18 1800 mm	RT09, RT11, RT14, RT20																													
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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	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	<table border="0"> <tr> <td><u>Top joints</u></td> <td><u>End Truck</u></td> </tr> <tr> <td>P3 4-bolt connection (B<300mm)</td> <td>RT09</td> </tr> <tr> <td>P4 4-bolt connection (B<350mm)</td> <td>RT11, RT14</td> </tr> <tr> <td>P6 4-bolt connection (B<550mm)</td> <td>RT11, RT14</td> </tr> <tr> <td>L3 8-bolt connection (B<300mm)</td> <td>RT20</td> </tr> <tr> <td>L4 8-bolt connection (B<410mm)</td> <td>RT20</td> </tr> <tr> <td>L5 8-bolt connection (B<520mm)</td> <td>RT20</td> </tr> <tr> <td>K5 12-bolt connection (B<520mm)</td> <td>RT25, RT32, RT50</td> </tr> <tr> <td>K7 12-bolt connection (B<740mm)</td> <td>RT25, RT32, RT50</td> </tr> <tr> <td><u>Side joints</u></td> <td></td> </tr> <tr> <td>R3</td> <td>RT20</td> </tr> <tr> <td>R4</td> <td>RT20</td> </tr> <tr> <td>R5</td> <td>RT20</td> </tr> </table>	<u>Top joints</u>	<u>End Truck</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
<u>Top joints</u>	<u>End Truck</u>																													
P3 4-bolt connection (B<300mm)	RT09																													
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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	<table border="1"> <thead> <tr> <th>Code</th> <th>Wheel diameter</th> <th>End truck</th> <th>Code</th> <th>Wheel diameter</th> <th>End truck</th> </tr> </thead> <tbody> <tr> <td>09</td> <td>90 mm</td> <td>RTN, RCL</td> <td>20</td> <td>200 mm</td> <td>RTN</td> </tr> <tr> <td>11</td> <td>110 mm</td> <td>RTN</td> <td>25</td> <td>250 mm</td> <td>RTN</td> </tr> <tr> <td>14</td> <td>140 mm</td> <td>RTN</td> <td>32</td> <td>315 mm</td> <td>RTN</td> </tr> <tr> <td>16</td> <td>160 mm</td> <td>RTN</td> <td>40</td> <td>400 mm</td> <td>RTN</td> </tr> </tbody> </table>	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																																																																																																
Code	Wheel diameter	End truck	Code	Wheel diameter	End truck																																																																																																																													
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14	140 mm	RTN	32	315 mm	RTN																																																																																																																													
16	160 mm	RTN	40	400 mm	RTN																																																																																																																													
6	-		Description	<table border="1"> <thead> <tr> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>-</td> <td>Standard</td> <td>C</td> </tr> <tr> <td>B</td> <td>Bogie</td> <td></td> </tr> </tbody> </table>				-	Standard	C	B	Bogie																																																																																																																						
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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)

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-pole-pairs - 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)	

4 POWER SUPPLY PACKAGE PRODUCT CODE

4.1 Electrification Package – Spacemaster® SX WRH and LK ECH

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

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 A 5 SX7: ø608 mm drum + 2 motors B 7 Chain hoist frame size C 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	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></td> <td><u>Without crane service platform</u></td> <td><u>GE09 value</u></td> <td></td> <td><u>With crane service platform</u></td> <td><u>GE09 value</u></td> </tr> <tr> <td>9</td> <td>SXL hoist</td> <td>UM17 UM18 UM19 UM20</td> <td>F</td> <td>SXL hoist</td> <td>UM17 UM18 UM19 UM20</td> </tr> </table>		<u>Without crane service platform</u>	<u>GE09 value</u>		<u>With crane service platform</u>	<u>GE09 value</u>	9	SXL hoist	UM17 UM18 UM19 UM20	F	SXL hoist	UM17 UM18 UM19 UM20
	<u>Without crane service platform</u>	<u>GE09 value</u>		<u>With crane service platform</u>	<u>GE09 value</u>											
9	SXL hoist	UM17 UM18 UM19 UM20	F	SXL hoist	UM17 UM18 UM19 UM20											
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	<u>HM17 Hoisting motor type</u> Y Hoist motor connection type D Hoist motor connection type - Undefined	<u>HM18 Hoisting motor size</u> B MF13XR200 C MF16ZR200 D MF18XR200 E MF22LR200 - 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 / 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> <u>HM01 value</u></td> <td colspan="2"><u>Spacemaster SXL wire rope hoist</u> <u>HM017 value</u></td> </tr> <tr> <td>P</td> <td>Pole change motor</td> <td>P</td> <td>Y Hoist motor connection type</td> </tr> <tr> <td>A</td> <td>ASR inverter-duty motor</td> <td>A</td> <td>D Hoist motor connection type</td> </tr> <tr> <td>S</td> <td>ESR inverter-duty motor</td> <td>S</td> <td></td> </tr> <tr> <td>T</td> <td>Frequency converter motor</td> <td>T</td> <td></td> </tr> <tr> <td>R</td> <td>Pole change motor 3:1</td> <td>R</td> <td></td> </tr> <tr> <td>C</td> <td>Cast iron pole change motor</td> <td>C</td> <td></td> </tr> <tr> <td>E</td> <td>Ex-proof pole change motor</td> <td>E</td> <td></td> </tr> <tr> <td>O</td> <td>Single speed motor</td> <td>O</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	A	ASR inverter-duty motor	A	D Hoist motor connection type	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													
<u>Spacemaster SX wire rope hoist</u> <u>HM01 value</u>		<u>Spacemaster SXL wire rope hoist</u> <u>HM017 value</u>																																																		
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E	Ex-proof pole change motor	E																																																		
O	Single speed motor	O																																																		
8	2	(HM02)	Motor power	<table border="0"> <tr> <td colspan="2"><u>Spacemaster SX wire rope hoist</u> <u>HM02 value</u></td> <td colspan="2"><u>Spacemaster SX wire rope hoist</u> <u>HM02 value</u></td> </tr> <tr> <td>X</td> <td>1.5 kW / 50 Hz</td> <td>X</td> <td>A 35 kW / 50 Hz (MF13)</td> </tr> <tr> <td>1</td> <td>1.8 kW / 50 Hz (MF10)</td> <td>1</td> <td>F 2 x 15 kW = 30 kW (MF13)</td> </tr> <tr> <td>Z</td> <td>2.5 kW / 50 Hz</td> <td>Z</td> <td>H 2 x 18 kW = 36 kW (MF13)</td> </tr> <tr> <td>2</td> <td>3.6 kW / 50 Hz (MF10)</td> <td>2</td> <td>J 2 x 23 kW = 44 kW (MF13)</td> </tr> <tr> <td>3</td> <td>4.5 kW / 50 Hz (MF10)</td> <td>3</td> <td>K 2 x 28 kW = 56 kW (MF13)</td> </tr> <tr> <td>4</td> <td>7.5 kW / 50 Hz (MF11)</td> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td>9 kW / 50 Hz (MF11)</td> <td>5</td> <td><u>Spacemaster SXL wire rope hoist</u> <u>HM18 value</u></td> </tr> <tr> <td>6</td> <td>15 kW / 50 Hz (MF13)</td> <td>6</td> <td>B MF13XR200</td> </tr> <tr> <td>7</td> <td>18 kW / 50 Hz (MF13)</td> <td>7</td> <td>C MF16ZR200</td> </tr> <tr> <td>8</td> <td>23 kW / 50 Hz (MF13)</td> <td>8</td> <td>D MF18XR200</td> </tr> <tr> <td>9</td> <td>28 kW / 50 Hz (MF13)</td> <td>9</td> <td>E MF22LR200</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)	1	1.8 kW / 50 Hz (MF10)	1	F 2 x 15 kW = 30 kW (MF13)	Z	2.5 kW / 50 Hz	Z	H 2 x 18 kW = 36 kW (MF13)	2	3.6 kW / 50 Hz (MF10)	2	J 2 x 23 kW = 44 kW (MF13)	3	4.5 kW / 50 Hz (MF10)	3	K 2 x 28 kW = 56 kW (MF13)	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	7	18 kW / 50 Hz (MF13)	7	C MF16ZR200	8	23 kW / 50 Hz (MF13)	8	D MF18XR200	9	28 kW / 50 Hz (MF13)	9	E MF22LR200
<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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9	-																																																			
10	2			Number of hoists on the bridge																																																
11	2	(TR01)	Trolley travel control	<table border="0"> <tr> <td colspan="2"></td> <td colspan="2"><u>TR01 value</u></td> </tr> <tr> <td>1</td> <td>1-speed</td> <td>1SP</td> <td>M CM Select / CM LDR mounted in bridge panel</td> </tr> <tr> <td>2</td> <td>2-speed</td> <td>2SP</td> <td>N CM Select / CM LDR mounted on trolley</td> </tr> <tr> <td>C</td> <td>CM Elite mounted in bridge panel</td> <td>D2C</td> <td>Q CMXC / CM NXT mounted on trolley</td> </tr> <tr> <td>D</td> <td>CM Elite mounted on trolley</td> <td>D2C</td> <td></td> </tr> </table>			<u>TR01 value</u>		1	1-speed	1SP	M CM Select / CM LDR mounted in bridge panel	2	2-speed	2SP	N CM Select / CM LDR mounted on trolley	C	CM Elite mounted in bridge panel	D2C	Q CMXC / CM NXT mounted on trolley	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 colspan="2"><u>BT01 value</u></td> </tr> <tr> <td>1</td> <td>1-speed</td> <td>1SP</td> <td>M CM Select VFD</td> </tr> <tr> <td>2</td> <td>2-speed</td> <td>2SP</td> <td>M CM LDR VFD</td> </tr> <tr> <td>C</td> <td>CM Elite VFD</td> <td>D2C</td> <td>Q CMXC VFD</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Q CM NXT VFD</td> </tr> </table>			<u>BT01 value</u>		1	1-speed	1SP	M CM Select VFD	2	2-speed	2SP	M CM LDR VFD	C	CM Elite VFD	D2C	Q CMXC VFD				Q CM NXT VFD																												
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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																																								
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																																																	
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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76	60 Hz: (Main voltage / 10) + 30	e.g. (460 V / 10) + 30 = 76																																																		
19	H	(ELE02)	Control voltage	<table border="0"> <tr> <td colspan="2"></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 230 V</td> </tr> <tr> <td>J</td> <td>115 V</td> <td>115</td> <td>230</td> </tr> </table>			<u>ELE02 value</u>		H	48 V (Spacemaster SX only)	48	N 230 V	J	115 V	115	230																																				
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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 1-6	1 (HM01) 7	1 (HM02) 8	- 9	1 10	Q (TR01) 11	Q (BT01) 12	4 13	00 PE13 14,15	- 16	76 (ELE01) 17,18	J (ELE02) 19	0 20
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Pos.	Code	Feature code	Feature	Available properties																			
1-6	BP		Product name	BP R&M																			
7	1	(HM01)	Hoist motor type	<table border="0"> <tr><td>1</td><td>Two-speed motor</td><td><u>HM01 value</u> 1</td></tr> <tr><td>2</td><td>Single-speed motor (not used)</td><td>2</td></tr> <tr><td>3</td><td>Inverter-duty motor</td><td>3</td></tr> </table>	1	Two-speed motor	<u>HM01 value</u> 1	2	Single-speed motor (not used)	2	3	Inverter-duty motor	3										
1	Two-speed motor	<u>HM01 value</u> 1																					
2	Single-speed motor (not used)	2																					
3	Inverter-duty motor	3																					
8	2	(HM02)	Motor power	<table border="0"> <tr><td>C</td><td>1.0 kW / 1.3 hp / 60 Hz, C1/V1 motor</td><td><u>HM02 value</u> C</td></tr> <tr><td>1</td><td>2.1 kW / 2.8 hp / 60 Hz, C2/V2 motor</td><td>1</td></tr> <tr><td>3</td><td>4.2 kW / 5.6 hp / 60 Hz, C3/V2 motor</td><td>3</td></tr> </table>	C	1.0 kW / 1.3 hp / 60 Hz, C1/V1 motor	<u>HM02 value</u> C	1	2.1 kW / 2.8 hp / 60 Hz, C2/V2 motor	1	3	4.2 kW / 5.6 hp / 60 Hz, C3/V2 motor	3	<u>Hoist Model – Motor type (two-speed/inverter)</u> LM05 – C1/V1 motor LM10 – C2/V2 motor LM16 – C3/V3 motor LM20 – C3/V3 motor LM25 – C3/V3 motor									
C	1.0 kW / 1.3 hp / 60 Hz, C1/V1 motor	<u>HM02 value</u> C																					
1	2.1 kW / 2.8 hp / 60 Hz, C2/V2 motor	1																					
3	4.2 kW / 5.6 hp / 60 Hz, C3/V2 motor	3																					
9	-																						
10	1		Number of hoists on the bridge	1 – one hoist on bridge																			
11	Q	(TR01)	Trolley travel control	<table border="0"> <tr><td>N</td><td>Freq. control D2M mounted on trolley</td><td><u>TR01 value</u> D2M</td></tr> <tr><td>Q</td><td>Freq. control DMCS mounted on trolley</td><td>DYD</td></tr> </table>	N	Freq. control D2M mounted on trolley	<u>TR01 value</u> D2M	Q	Freq. control DMCS mounted on trolley	DYD													
N	Freq. control D2M mounted on trolley	<u>TR01 value</u> D2M																					
Q	Freq. control DMCS mounted on trolley	DYD																					
12	Q	(BT01)	Bridge travel control	<table border="0"> <tr><td>1</td><td>1-speed</td><td><u>BT01 value</u> 1SP</td></tr> <tr><td>2</td><td>2-speed</td><td>2SP</td></tr> </table>	1	1-speed	<u>BT01 value</u> 1SP	2	2-speed	2SP	<table border="0"> <tr><td>M</td><td>CM Select VFD</td><td><u>BT01 value</u> D2M</td></tr> <tr><td>M</td><td>CM LDR</td><td>TDN</td></tr> <tr><td>Q</td><td>CMXC VFD</td><td>DYD</td></tr> <tr><td>Q</td><td>CM NXT VFD</td><td>TMK</td></tr> </table>	M	CM Select VFD	<u>BT01 value</u> D2M	M	CM LDR	TDN	Q	CMXC VFD	DYD	Q	CM NXT VFD	TMK
1	1-speed	<u>BT01 value</u> 1SP																					
2	2-speed	2SP																					
M	CM Select VFD	<u>BT01 value</u> D2M																					
M	CM LDR	TDN																					
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></tr> <tr><td>6</td><td>Height 600 mm, depth 250 mm (EEF) *</td></tr> </table>	4	Height 400 mm, depth 250 mm (EEC) *	6	Height 600 mm, depth 250 mm (EEF) *	A Height 1000 mm, depth 350 mm (KA220) *														
4	Height 400 mm, depth 250 mm (EEC) *																						
6	Height 600 mm, depth 250 mm (EEF) *																						
14,15	00	PE13	Selection of the hoists	<table border="0"> <tr><td>V2</td><td>Selection I or II, two hoists controlled separately, one at a time</td></tr> <tr><td>V3</td><td>Selection I, I+II, II, two hoists controlled, one at a time or common controls (I+II)</td></tr> </table>	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)	<table border="0"> <tr><td>00</td><td>Without selection</td></tr> <tr><td>VE</td><td>Special selection</td></tr> </table>	00	Without selection	VE	Special selection										
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	<table border="0"> <tr><td>20</td><td>50 Hz: (Main voltage / 10) – 20 e.g. (400 V/ 10) – 20 = 20</td></tr> <tr><td>76</td><td>60 Hz: (Main voltage / 10) + 30 e.g. (460 V/ 10) + 30 = 76</td></tr> <tr><td>53</td><td>60 Hz: (Main voltage / 10) + 30 e.g. (230 V/ 10) + 30 = 53</td></tr> </table>	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)												
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																						
19	J	(ELE02)	Control voltage	<table border="0"> <tr><td>H</td><td>48 V</td><td><u>ELE02 value</u> 48</td></tr> <tr><td>J</td><td>115 V</td><td>115</td></tr> </table>	H	48 V	<u>ELE02 value</u> 48	J	115 V	115	<table border="0"> <tr><td>N</td><td>230 V</td><td><u>ELE02 value</u> 230</td></tr> </table>	N	230 V	<u>ELE02 value</u> 230									
H	48 V	<u>ELE02 value</u> 48																					
J	115 V	115																					
N	230 V	<u>ELE02 value</u> 230																					
20	0		System features	0 Standard BP	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 L English letters F SFS standard (Finnish) FIN E Special symbols C ANSI standard (compass) ANSI <u>ELE44 value</u> 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 ANSI FIN 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)
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	06 6 button housing (2-motions) 08 8 button housing (3-motions) <u>PE11 value</u> PXQAW06 PXQAW08
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	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	C ANSI standard (compass) <u>ELE44 value</u> ANSI
12,13	00	PE13	Hoist selection switch function	V2 Two-position selector switch (I, II) 00 Without selector switch
14	-		Aux device mounting	- No auxiliary device
15-17	092		Rising cable length	Examples: 092 9.2 m 135 13.5 m 000 Without cable etc.
18	0	ELE16	Pendant cable top connector	0 Without connector
19	0		System features	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 T Incl. with 2 positions (I, II) V2 B Incl. With 3 positions (I, II, III) S3 A 3 positions (I, I+II, II) + Main VM Aux switch 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 DIN TF SFS standard FIN TS SIS standard SEN TC ANSI standard (compass) ANSI TL English letters ENG SS Special symbols SPEC
16,17	RP	(ELE02)	Receiver power supply	RP 48 V, 50/60 Hz 48 RT 115 V, 50/60 Hz 115 RV 230 V, 50/60 Hz 230 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 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	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	MS	Mini-joystick transmitter for solo hoists	
				MC	Mini-joystick transmitter for cranes	
12	H	(REM19) (ELE95) (GE03)	Features	H	1 hoist	<u>REM19</u>
				L	1 hoist and provision for lights	<u>ELE95</u> Button
				S	2 hoists (I, I+II, II) tandem	
				V	2 hoists (I, I+II, II) tandem, lights	V3
				T	2 hoists (I, II)	V3
				U	2 hoists (I, II), lights	V2
				M	Sway control switch, (meter)	V2
				F	Sway control switch, (feet)	Button
				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)	SI IMP
13	C	(ELE44)	Directional symbols	D	DIN and FEM standard	<u>ELE44</u> DIN
				F	FIN / SEN standard	FIN
						C
						ANSI standard– compass
						<u>ELE44</u> ANSI
14,15	RT	(ELE02)	Receiver power supply	RP	48V 50/60 Hz	<u>ELE02</u> 48
				RT	115V 50/60 Hz	115
						RV
						230V 50/60 Hz
						<u>ELE02</u> 230

7 TRAVELING INVERTER PRODUCT CODE

7.1 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	Branded Name	
				ControlMaster™ NXT	
6-8	003	(ELE84) (ELE85)	Power rating class	003	3 kW
				006	6 kW (Discontinued)
9	E	(ELE84) (ELE85)	Supply voltage	E	380 – 480VAC, 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	XX		Revision code	The latest revision may differ.	
13	0		Braking resistor type	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

7.2 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	
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 – 480VAC, 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

0000

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	<u>HS01</u> TR01/BT01 value CMEH Hoisting inverter D2H CMET Travelling inverter 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 – 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	V	(ELE02)	Control voltage	<u>ELE02 value</u> Y 42VAC, 50/60 Hz P 48VAC, 50/60 Hz 48 T 115VAC, 50/60 Hz 115 V 230VAC, 50/60 Hz 230	
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	<u>Reserved board slots</u> 0 Standard A, B, D 1 Standard with speed supervision A, B, C, D 2 Profibus A, B, D, E 3 Profibus with speed supervision A, B, C, D, E 8 Relay A, B, D, E 9 Relay with speed supervision A, B, C, D, E	
16	0		Special	0 None L Varnished boards	

9 ELECTRIC CHAIN HOIST PRODUCT CODE

9.1 Stagemaker® SR Concert Hoist

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

9.2 LK Electric Chain Hoist

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

Position	Code	Feature	Available Properties											
1,2	LK	Brand	LK electric chain hoist											
3,4	10	Body size (GE09)	<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										
5,6	08	Hoist speed (SPD03)	<u>Code</u> 04 08 16	<u>fpm – 60 Hz</u> 16 fpm 32 fpm 64 fpm						<u>m/min – 60 Hz</u> 8 m/min 9.6 m/min 19.2 m/min				
7	1	Chain fall (DES27)	<u>Code</u> 1 2 3	<u>Description</u> 1-fall 2-fall 3-fall										
8-10	050	Capacity (LOA01)		<u>Kg / ton</u> 012 125 / 1/8 025 250 / 1/4 050 500 / 1/2	<u>Kg / ton</u> 100 1000 / 1 160 1600 / 1 1/2 200 2000 / 2	<u>Kg / ton</u> 320 3200 / 3 400 4000 / 4 500 5000 / 5								
11,12	M5	ISO duty		<u>ISO</u> M4 M5 M6	<u>ASME</u> H3 H4									
13-15	2SP	Hoist control (HS01)		1SP 2SP INV	Single speed Two-speed Inverter									
16-18	080	Height of lift	meters	080	8 meters									
19	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										
20-22	120	Flange width (mm)												
23-25	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					
26	C	Electrics	<u>Code</u> C E	<u>Description of code</u> CSA IEC										
27	B	Control voltage	<u>Code</u> A B C	<u>Description of code</u> 48 115 230										
28, 29	20	Traveling speed	<u>Code</u> 20	<u>fpm – 60 Hz</u> 65 fpm						<u>m/min – 60 Hz</u> 20 m/min				