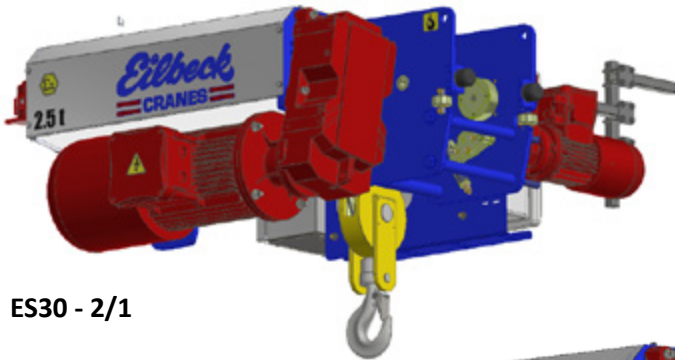
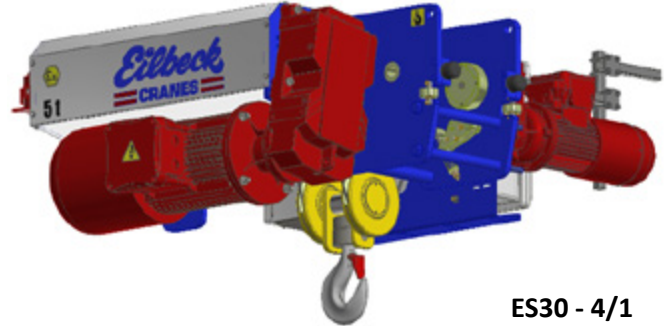


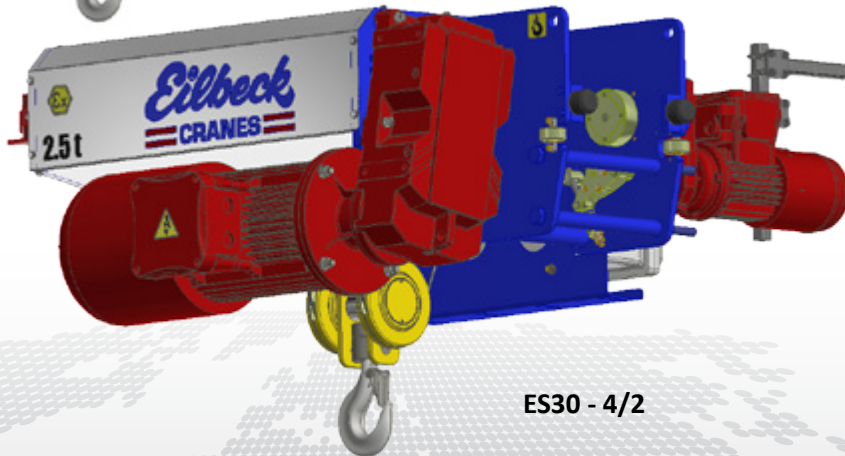
EXPLOSION PROTECTED CRANE SYSTEMS



ES30 - 2/1



ES30 - 4/1



ES30 - 4/2

Reeving	2/1	<input type="checkbox"/>	4/1	<input type="checkbox"/>	4/2	<input type="checkbox"/>
Model Number		Serial Number		
MRC or WLL		Year of Manufacture		

EC  GLOBAL

TECHNICAL DATA - ES 30

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1.1. General Dimensions - Model ES30

1.1.1. Reeing 2.1

HOL [m]	LO [mm]	LW [mm]	HS [mm]	FW [mm]	Grooved Length [mm]	Max Mass [kg]	Rope Length [m]
12	1207	849	216	495	28	588	27
20	1492	1134	360	780	44	626	43
30	1852	1494	540	1140	64	675	63

1.1.2. Reeing 4.1

HOL [m]	LO [mm]	LW [mm]	HS [mm]	FW [mm]	Grooved Length [mm]	Max Mass [kg]	Rope Length [m]
6	1228	876	108	140-500	495	690	29
10	1518	1166	180	140-500	780	733	45
15	1879	1526	270	140-500	1140	789	65

1.1.3. Reeing 4.2

HOL [m]	LO [mm]	LW [mm]	HS [mm]	FW [mm]	Grooved Length [mm]	Max Mass [kg]	Rope Length [m]
6	1204	846	657	140-500	240x2	608	32
10	1444	1086	777	140-500	360x2	640	48
15	1744	1386	927	140-500	510x2	680	68

1.2. Hoisting Data - Model ES30

1.2.1. Reeving 2.1

Load Capacity [t]	Speed (50Hz) [m/min]	Speed (60Hz) [m/min]	Rated Output [Kw]	Current [A]	ED [%]	RPM [rev/min]
1	1.3/8	1.6/9.6	0.65/4	5.10/4.7	40	480/2970
1	1.7/10	2/12	0.65/4	5.10/4.7	40	480/2970
1	2.1/12.6	2.5/15.1	0.65/4	5.10/4.7	40	480/2970
1.25	1.3/8	1.6/9.6	0.65/4	5.10/4.7	40	480/2970
1.25	1.7/10	2/12	0.65/4	5.10/4.7	40	480/2970
1.25	2.1/12.6	2.5/15.1	0.65/4	5.10/4.7	40	480/2970
1.6	1.3/8	1.6/9.6	0.65/4	5.10/4.7	40	480/2970
1.6	1.7/10	2/12	0.65/4	5.10/4.7	40	480/2970
1.6	2.1/12.6	2.5/15.1	0.65/4	5.10/4.7	40	480/2970
2	1.3/8	1.6/9.6	0.65/4	5.10/4.7	40	480/2970
2	1.7/10	2/12	1.1/6.5	6.70/13.2	40	430/2960
2	2.1/12.6	2.5/15.1	1.1/6.5	6.70/13.2	40	430/2960
2.5	1.3/8	1.6/9.6	0.65/4	5.10/4.7	40	480/2970
2.5	1.7/10	2/12	1.1/6.5	6.70/13.2	40	430/2960
2.5	2.1/12.6	2.5/15.1	1.1/6.5	6.70/13.2	40	430/2960

1.2.2. Reeving 4.1

Load Capacity [t]	Speed (50Hz) [m/min]	Speed (60Hz) [m/min]	Rated Output [Kw]	Current [A]	ED [%]	RPM [rev/min]
2	0.7 / 4	0.8 / 4.8	0.65 / 4	5.10 / 4.7	40	480 / 2970
2	0.8 / 5	1 / 6	0.65 / 4	5.10 / 4.7	40	480 / 2970
2	1.1 / 6.3	1.3 / 7.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
2.5	0.7 / 4	0.8 / 4.8	0.65 / 4	5.10 / 4.7	40	480 / 2970
2.5	0.8 / 5	1 / 6	0.65 / 4	5.10 / 4.7	40	480 / 2970
2.5	1.1 / 6.3	1.3 / 7.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
3.2	0.7 / 4	0.8 / 4.8	0.65 / 4	5.10 / 4.7	40	480 / 2970
3.2	0.8 / 5	1 / 6	0.65 / 4	5.10 / 4.7	40	480 / 2970
3.2	1.1 / 6.3	1.3 / 7.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
4	0.7 / 4	0.8 / 4.8	0.65 / 4	5.10 / 4.7	40	480 / 2970
4	0.8 / 5	1 / 6	1.1 / 6.5	6.70 / 13.2	40	430 / 2960
4	1.1 / 6.3	1.3 / 7.6	1.1 / 6.5	6.70 / 13.2	40	430 / 2960
5	0.7 / 4	0.8 / 4.8	0.65 / 4	5.10 / 4.7	40	480 / 2970
5	0.8 / 5	1 / 6	1.1 / 6.5	6.70 / 13.2	40	430 / 2960
5	1.1 / 6.3	1.3 / 7.6	1.1 / 6.5	6.70 / 13.2	40	430 / 2960

1.2.3. Reeving 4.2

Load Capacity [t]	Speed (50Hz) [m/min]	Speed (60Hz) [m/min]	Rated Output [Kw]	Current [A]	ED [%]	RPM [rev/min]
1	1.3 / 8	1.6 / 9.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
1	1.7 / 10	2 / 12	0.65 / 4	5.10 / 4.7	40	480 / 2970
1	2.1 / 12.6	2.5 / 15.1	0.65 / 4	5.10 / 4.7	40	480 / 2970
1.25	1.3 / 8	1.6 / 9.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
1.25	1.7 / 10	2 / 12	0.65 / 4	5.10 / 4.7	40	480 / 2970
1.25	2.1 / 12.6	2.5 / 15.1	0.65 / 4	5.10 / 4.7	40	480 / 2970
1.6	1.3 / 8	1.6 / 9.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
1.6	1.7 / 10	2 / 12	0.65 / 4	5.10 / 4.7	40	480 / 2970
1.6	2.1 / 12.6	2.5 / 15.1	0.65 / 4	5.10 / 4.7	40	480 / 2970
2	1.3 / 8	1.6 / 9.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
2	1.7 / 10	2 / 12	1.1 / 6.5	6.70 / 13.2	40	430 / 2960
2	2.1 / 12.6	2.5 / 15.1	1.1 / 6.5	6.70 / 13.2	40	430 / 2960
2.5	1.3 / 8	1.6 / 9.6	0.65 / 4	5.10 / 4.7	40	480 / 2970
2.5	1.7 / 10	2 / 12	1.1 / 6.5	6.70 / 13.2	40	430 / 2960
2.5	2.1 / 12.6	2.5 / 15.1	1.1 / 6.5	6.70 / 13.2	40	430 / 2960

1.3. Cross Travel Data - Model ES30

1.3.1. Reaving 2.1

Load Capacity [t]	Speed (50Hz) [m/min]	Speed (60Hz) [m/min]	Rated Output [Kw]	Current [A]	ED [%]	RPM [rev/min]
1/1.25/1.6/2/2.5	6	7.2	0.12	0.62	40	1380
1/1.25/1.6/2/2.5	12	14.4	0.18	0.67	40	1340
1/1.25/1.6/2/2.5	2.5/10	3/12.5	0.3	0.57/1.50	40	670/2850
1/1.25/1.6/2/2.5	5/20	6/24	0.3	0.57/1.50	40	670/2850

1.3.2. Reaving 4.1

Load Capacity [t]	Speed (50Hz) [m/min]	Speed (60Hz) [m/min]	Rated Output [Kw]	Current [A]	ED [%]	RPM [rev/min]
2 / 2.5 / 3.2 / 4 / 5	6	7.2	0.25	0.77	40	1380
2 / 2.5 / 3.2 / 4 / 5	12	14.4	0.25	0.77	40	1380
2 / 2.5 / 3.2 / 4 / 5	2.5/10	3/12.5	0.37	1.1	40	1380
2 / 2.5 / 3.2 / 4 / 5	5/20	6/24	0.75	1.50/2.50	40	690/2860

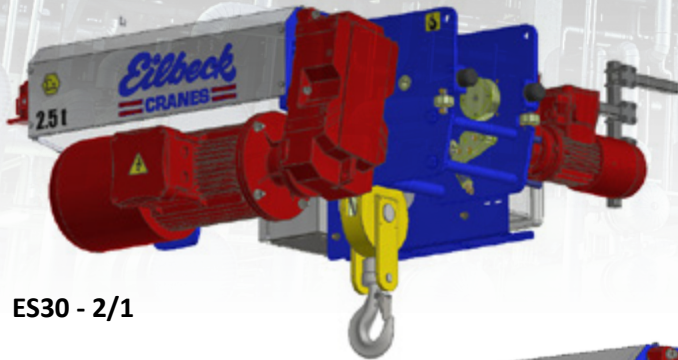
1.3.3. Reaving 4.2

Load Capacity [t]	Speed (50Hz) [m/min]	Speed (60Hz) [m/min]	Rated Output [Kw]	Current [A]	ED [%]	RPM [rev/min]
1 / 1.25 / 1.6 / 2 / 2.5	6	7.2	0.12	0.62	40	1380
1 / 1.25 / 1.6 / 2 / 2.5	12	14.4	0.18	0.67	40	1340
1 / 1.25 / 1.6 / 2 / 2.5	2.5/10	3/12.5	0.3	0.57/1.50	40	670/2850
1 / 1.25 / 1.6 / 2 / 2.5	5/20	6/24	0.3	0.57/1.50	40	670/2850

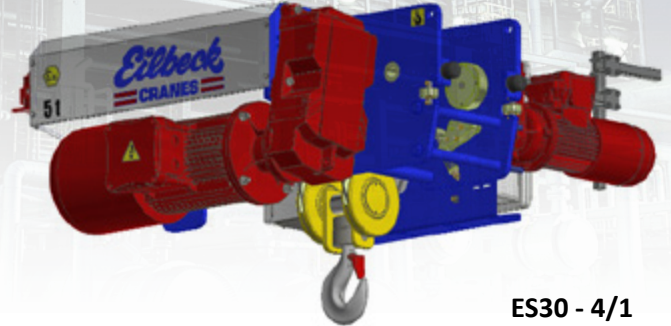
1.4. Torque Settings

ES Series Hoists Torque Table						
Minimum Tensile Strength MPa	M6 – M16: 800 M20-M30: 830		1040		12.9 Socket Head Cap Screw	
Nominal Size and Thread Pitch	Bolt Torque Specs in Newton Meters - Nm					
	Dry	Lubed	Dry	Lubed	Dry	Lubed
M5 x 0.80	6.1	4.6	8.8	6.7	10.3	7.7
M6 x 1.00	10.4	7.8	15	11.2	17.6	13.1
M7 X 1.00	17.6	131	25.1	18.9	29.4	22
M8 X 1.25	25.4	19.1	37.6	27.3	42.6	32.1
M10 X 1.50	50	38	72	54	84	64
M12 X 1.75	88	66	126	94	146	110
M14 X 2.00	141	106	201	150	235	176
M16 X 2.00	218	164	312	233	365	274
M18 X 2.50	301	226	431	323	504	378
M20 X 2.50	426	319	603	457	712	534
M22 X 2.50	580	435	831	624	971	728
M24 X 3.00	736	552	1052	789	1231	923
M27 X 3.00	1079	809	1544	1158	1805	1353
M30 X 3.50	1463	1097	2092	1570	2446	1834
M33 X 3.50	1990	1493	2849	2137	3328	2497
M36 X 4.00	2557	1918	3659	2744	4276	3208

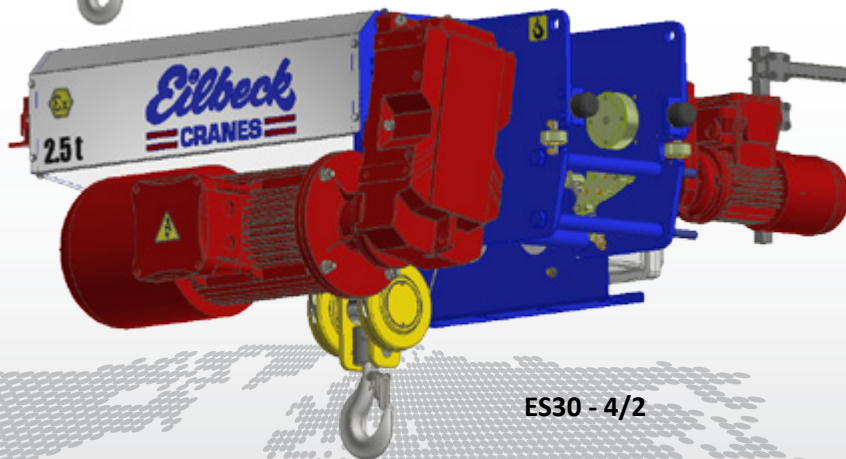
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ES30 - 2/1



ES30 - 4/1



ES30 - 4/2

ATEX 



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