

1.7.2 DCS-Pro (variable hoist speed)

Load capacity [kg]	Chain hoist size DC-Pro	Reeving	Group of mechanisms DIN EN 14492 FEM / ISO	Chain size [mm]	Hoist speed ¹⁾ at 50/60 Hz		Standard hook path ²⁾ H [m]	Motor size ³⁾	Max. weight for hook path			
					v _{Srated} [m/min]	v _{Smax} [m/min]			4 m [kg]	5 m [kg]	8 m [kg]	
80	1	1/1	4m / M7	4,2x12,2	0,15-30	30	5 and 8	ZNK 71 B 4	-	25	27	
100												
125												
160	2		3m / M6		0,15-16							
200												
250												2m+ ⁴⁾ / M5+
315	5		4m / M7	5,3x15,2	0,08-8	15		ZNK 80 A 4	29	31		
				10	7,4x21,2	0,11-12		22	ZNK 100 A 4	59	63	
400	5		3m / M6	5,3x15,2	0,08-8	15		ZNK 80 A 4	29	31		
			10	4m / M7	7,4x21,2	0,11-12		22	ZNK 100 A 4	59	63	
500	5	2m+ ⁴⁾ / M5+	5,3x15,2	0,08-8	15	ZNK 80 A 4	29	31				
630	10	2/1	4m / M7	7,4x21,2	0,11-12	22	ZNK 100 A 4	59	63			
					0,06-6	11		54	58			
					0,11-12	22		59	63			
0,06-6			11		54	58						
800			3m / M6		5,3x15,2	0,08-8		15	4	74	75	80
1000			15		1/1	2m+ ⁴⁾ / M5+		8,7x24,2	0,08-8	15	5 and 8	-
	0,06-6	11		68			72					
	0,11-12	22		74			75		80			
1250	10	2/1	1Am ⁶⁾ / M4	7,4x21,2	0,04-4	7	5 and 8	-	54	58		
					0,06-6	11	74	75	80			
					0,08-8	15	74	75	80			
1600	10	2/1	3m ⁷⁾ / M6	8,7x24,2	0,06-6	11	5 and 8	-	68	72		
					0,08-8	15	74	75	80			
2000	15	1/1	2m+ ⁴⁾ ⁸⁾ / M5+	8,7x24,2	0,08-8	15	4	74	75	80		
					0,06-6	11	5 and 8	-	68	72		
					0,11-12	22	86	89	99			
2500	10	2/1	4m ⁹⁾ / M7	8,7x24,2	0,04-4	7	4	-	68	72		
							5 and 8	86	89	99		
3200	15	1/1	1Am ⁶⁾ / M4	7,4x21,2	0,04-4	7	5 and 8	-	68	72		
	15	2/1	3m ⁵⁾ / M6	8,7x24,2			4	86	89	99		
	15	1/1	2m+ ⁴⁾ ⁷⁾ / M5+	8,7x24,2			4	86	89	99		

DCMS-Pro Manulift (variable hoist speed)

Load capacity [kg]	Manulift size DCMS-Pro	Reeving	Group of mechanisms DIN EN 14492 FEM / ISO	Chain size [mm]	Hoist speed ¹⁾ at 50/60 Hz		Hook path H [m]	Motor size ³⁾	Max. weight for hook path	
					v _{Srated} [m/min]	v _{Smax} [m/min]			2,8 m [kg]	4,3 m [kg]
80	1	1/1	4m / M7	4,2x12,2	0,15-30	30	2,8 and 4,3	ZNK 71 B 4	25	27
125										
200										
250	2		3m / M6		0,15-16					

DCRS-Pro rocker switch (variable hoist speed)

Load capacity [kg]	Manulift size DCRS-Pro	Reeving	Group of mechanisms DIN EN 14492 FEM / ISO	Chain size [mm]	Hoist speed ¹⁾ at 50/60 Hz		Hook path H [m]	Motor size ³⁾	Max. weight for hook path	
					v _{Srated} [m/min]	v _{Smax} [m/min]			2,8 m [kg]	4,3 m [kg]
80	1	1/1	4m / M7	4,2x12,2	0,15-30	30	2,8 and 4,3	ZNK 71 B 4	25	27
125										
200										
250	2		3m / M6		0,15-16					

- v_{Smin} corresponds to a control ratio v_{Smin} : v_{Smax} of 1 : 200 (factory setting 1 : 100)
 - v_{Smax}, v_{Srated}, v_{Smin}, acceleration time and deceleration time can also be changed by setting parameters with the control unit (see 'DCS-Pro chain hoist operating instructions')
 - Max. hoist speed in the partial load range / without load
 - For DCS-Pro 1, DCMS-Pro 1, DCRS-Pro 1 units, the max. lowering speed corresponds to 78% of v_{Srated}

- Larger hook paths on request.
- See Electric key data page for key motor data.
- 2m+ corresponds to 1900 hours at full load.
- Chain drive FEM 2m according to EN 818-7
- Chain drive FEM 1Cm according to EN 818-7
- Chain drive FEM 1Am according to EN 818-7
- Chain drive FEM 1Bm according to EN 818-7
- Chain drive FEM 3m according to EN 818-7