



rif.				
Single girder bridge crane with DST R trolley and DRH wire rope hoist - head A				
cg	e	f	h	h5
10	315	1106	1516	
ht	i	k	l	l1
761	345	250	360	615
o	p	r	s	s1
1220	1010	1795	18000	18200
t	v	w	x	x1
140	875	1085	2100	
y	z			
2490	456			

Crane type SINGLE GIRDER  
Capacity 5.000 kg  
Span 18.000 mm  
Class FEM 2m (ISO M5)  
Weigh of hoist + trolley 450 kg  
Crane weight 3.704 kg  
Total travelling mass 12.000 on 2 gearboxes  
Material designation S 355 JR (Fe510 B)  
Vertical strain 21,27 mm  
Span/vertical strain ratio 846  
Horizontal strain 5,71 mm  
Span/horizontal strain ratio 3.154  
Section used M24  
Rail width: 0

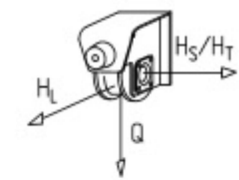
Hoist code 24L2LLWR7F5  
Wire rope hoist 24L2-L  
Hoist class FEM 2m (ISO M5)  
Lifting motor power 5,00/1,65 Kw  
Lifting speed 4,0/1,3 m/min  
Rope diameter 9 mm

Trolley coding DS2BW052L04  
Trolley type DST  
Span 0 mm  
Travelling speed 20/5 m/min  
Version  
Application Standard

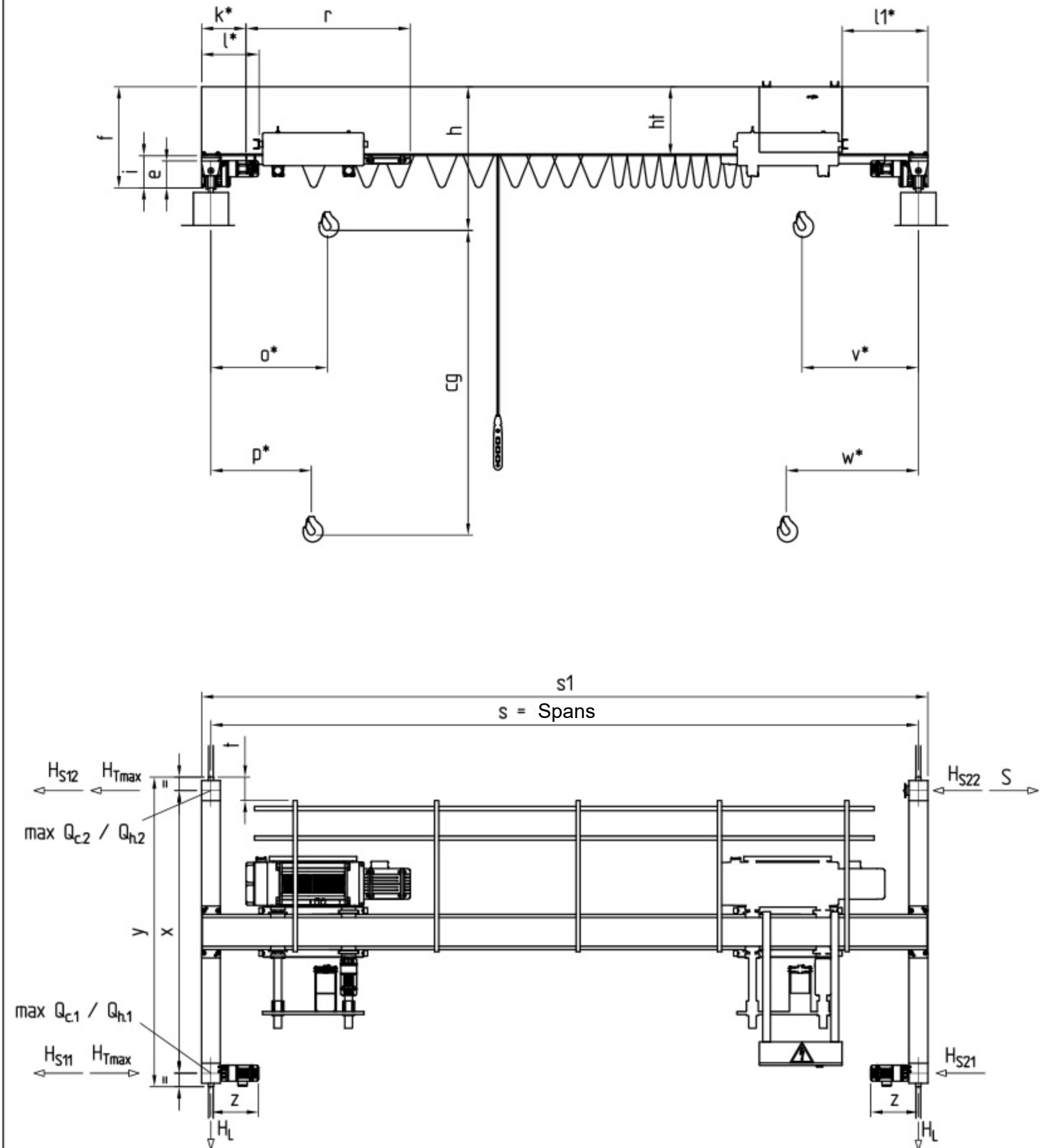
Head code S321T21000  
Head size 3  
Wheel base 2100 mm  
Wheel diameter 200 mm  
Head / bridge girder combination Standing  
Standard offset set-up 1  
Limitation devices None  
Towing systems Without tow  
Existing rail 0 mm  
Driving systems None (standard wheel)

Offset geared motor coding P1M2B4IKA0  
Bridge speed 40,0/10,0 m/min  
Offset type 1  
Motor type 71K2L  
Motor power 0,50 kw  
Reduction ratio 44,35  
Number of poles 2  
Motor voltage 400V/50Hz  
Motor configuration Standard  
Displacement mass 8.704 kg

Without electrical system



Static reactions without coefficients		
Max vertical forces from crane weight/applied load		
max Qc1 / Qh1	10,09 kN / 23,55 kN	
max Qc2 / Qh2	10,09 kN / 23,55 kN	
Oblique movement forces		
S	8,60 kN	
Hs22 / Hs12	1,90 kN / 6,70 kN	
Sliding inertia forces (traction/braking)		
HL	1,58 kN	
HTmin / HTmax	1,67 kN / 5,87 kN	
Dynamic coefficients		
Φ 1	Specific weight	1,10
Φ 2	Capacity	1,16
Φ 2C/L	Overloaded	1,18
Φ 3	Load reduction	1,00
Φ 4kr	movement area surface uneven	1,00
Φ 5kr	Sliding drive	0,00
Φ 5hw	Travelling drive	1,80
Φ 6dy	Dynamic load test	1,08
Φ 6stat	Static load test	1,00



⚠ - unless specified, quotes are given in mm  
- quotes are approximate and are not binding