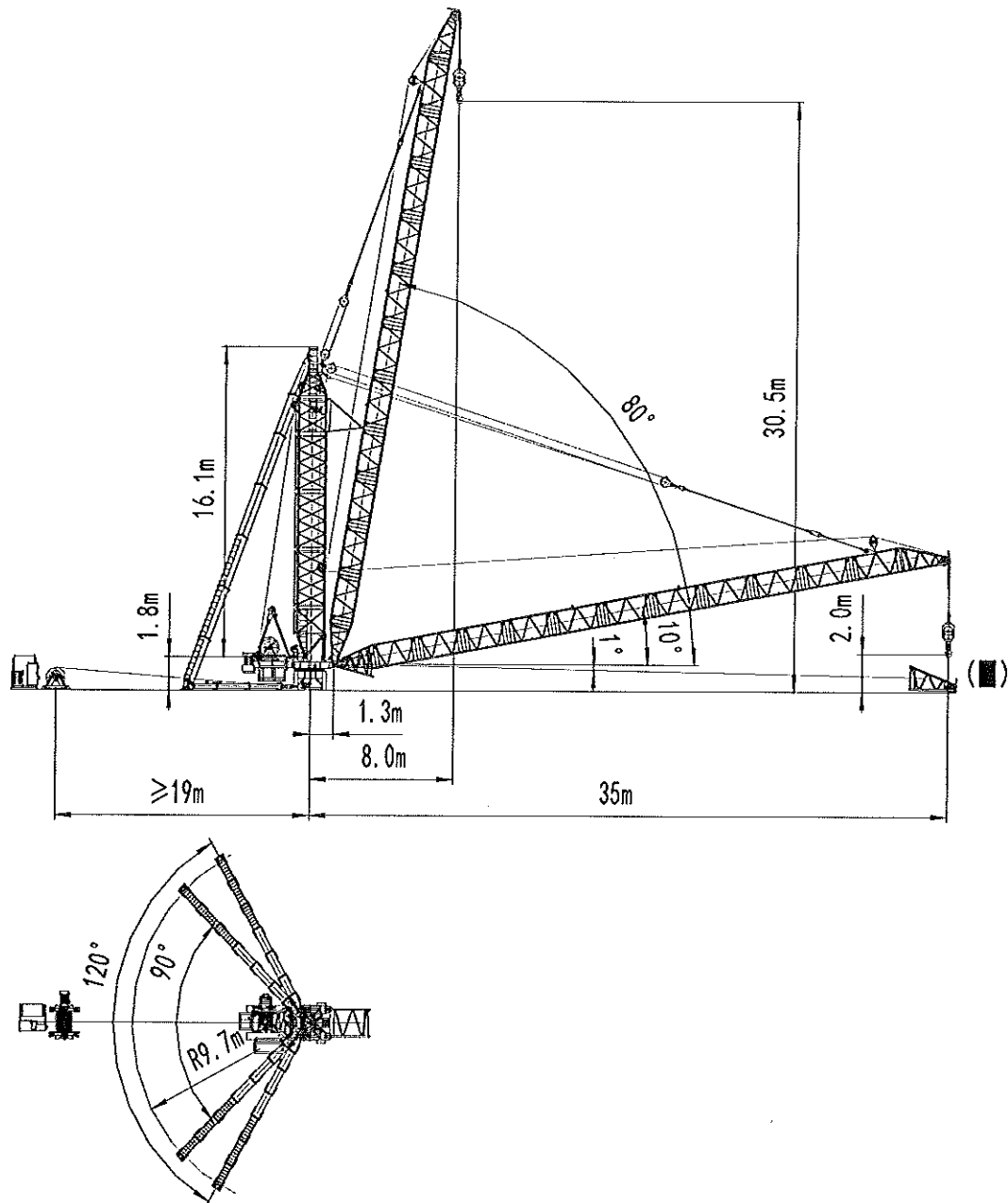


1. Main Specifications



Jib length [m]	Fall	R(C _{max}) m	C _{max} t	Radius [m]							Load [t]				
				24	25	26	27	28	29	30	31	32	33	34	35
35	II	33.5	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	11.77	11.29
	III	24.0	18.00	18.00	17.08	16.19	15.38	14.60	13.89	13.23	12.61	12.03	11.48	10.96	10.48
30	II	30.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00					
	III	24.0	18.00	18.00	17.45	16.56	15.74	14.98	14.26	13.60					
25	II	25.0	12.00	12.00	12.00										
	III	23.0	18.00	17.03	16.14										

Main performance parameters of the crane

Max. load capacity	18 (t)	Max. hoisting height	30.5 (m)	Slewing angle in service	0°~130°		
Max. radius	35.0 (m)	Crane design weight (excl. electric cabinet and mechanisms)			24.4 (t)		
Mechanism description		2-fall		3-fall		Drum capacity	Motor KW
		m/min	t	m/min	t		
Hoisting Winch	55LFV60	0-20	12.0	0-15	18.0	1000	55
Luffing winch	45DFV40BI	10° ~ 80° 3.7min				300	45
Slewing mechanism	4RFCV	0 ~ 0.7rpm				95Nm×2	

2.2 Pre-embedding fixed foundation

2.2.1 Crane forces (Fig. 2.2-1)

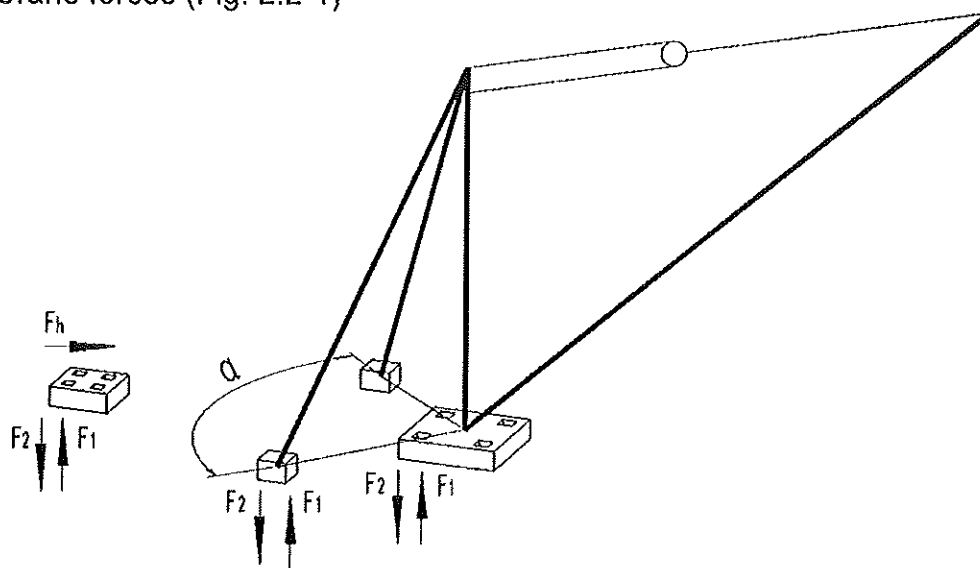


Fig. 2.2-1

Table of crane foundation forces

		Single leg tensile force F_1 /KN	Single leg pressure F_2 /KN	Single leg horizontal force F_h /KN
Stiffleg base angle α°	90	690	71	
	120	1050	69	
Lower slewing base		456	871	
Hoisting winch base		30	42	19

2.2.2 Installing fixed foundation

The foundation of lower slewing base is fixed on the slewing center of the crane. After installation, the planeness of pre-embedded parts shall not be over 1mm; the exposed height of bolt shall not be less than 75mm. (See Fig. 2.2.-2)

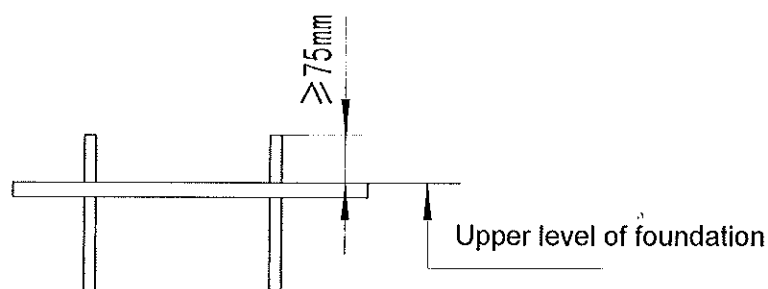


Fig. 2.2-2