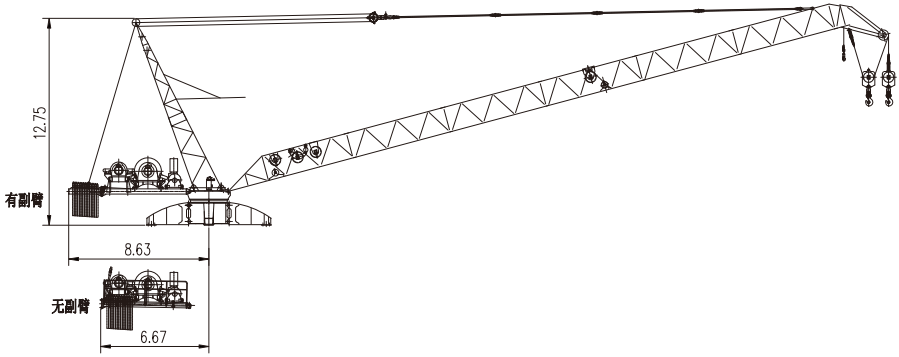
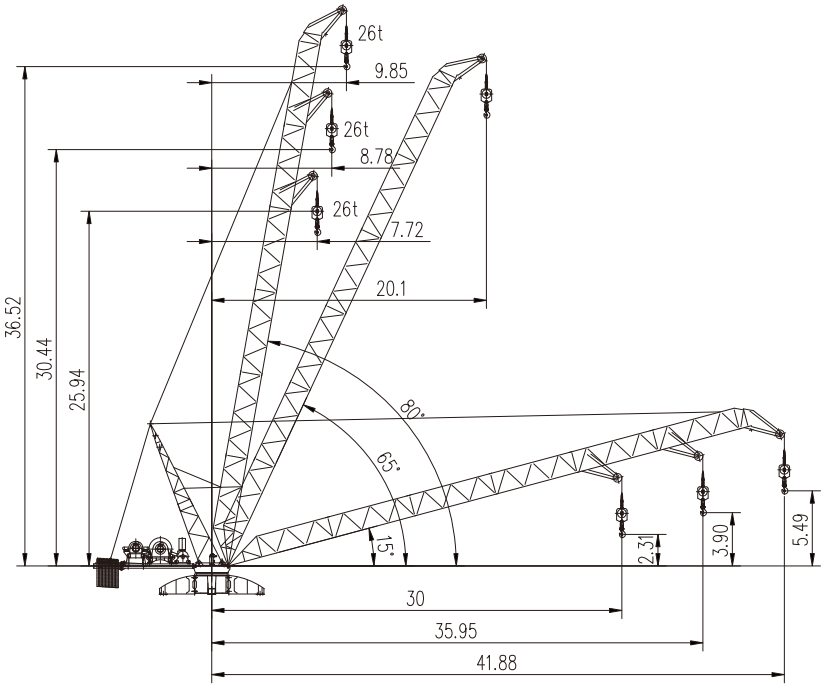
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DERRICK CRANE

TECHNICAL DATA SHEET



RADIUS & ANGLE & LOADING CAPACITY



CDK280

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LOAD CAPACITY

42m			m	10	12	15	17	20	22	25	28	m
	1 fall	13t	9.03-26.72	13.00	13.00	13.00	13.00	13.00	13.00	13.00	12.31	t
	2 falls	26t	9.03-14.4	26.00	26.00	24.87	21.69	18.11	16.26	14.05	12.31	t
			m	30	32	35	37	40	40.67	41	41.88	m
	1 fall	13t	9.03-26.72	11.34	10.49	9.41	8.78	7.96	7.79	7.71	7.50	t
	2 falls	26t	9.03-14.4	11.34	10.49	9.41	8.78	7.96	7.79	/	/	t

36m			m	10	12	15	17	20	22	25	m
	1 fall	15t	7.97-27.63	15.00	15.00	15.00	15.00	15.00	15.00	15.00	t
	2 falls	30t	7.97-13.2	30.00	30.00	25.72	22.44	18.76	16.86	14.79	t
			m	28	30	32	34.74	35	35.95	m	
	1 fall	15t	7.97-27.63	12.80	11.80	10.93	9.90	9.82	9.50	t	
	2 falls	30t	7.97-13.2	12.80	11.80	10.93	9.90	/	/	t	

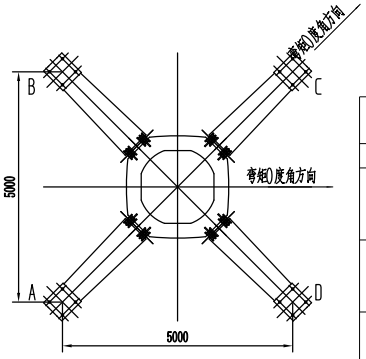
30m			m	10	12	15	17	20	22	m
	1 fall	15t	6.9-24.92	15.00	15.00	15.00	15.00	15.00	15.00	t
	2 falls	30t	6.9-13.5	30.00	30.00	26.73	23.26	19.36	17.36	t
			m	24	27	28	28.81	30	m	
	1 fall	15t	6.9-24.92	15.00	13.64	13.05	12.61	12.00	t	
	2 falls	30t	6.9-13.5	15.68	13.64	13.05	12.61	/	t	

MECHANISM

	Hoisting mechanism					Rope length
	1 Fall (0-64.8m/min)	m/min	0~22	0~45	75kW	700m
		t	15	7.5		
	2 Falls (0-33m/min)	m/min	0~11	0~22.5		
		t	30	15		

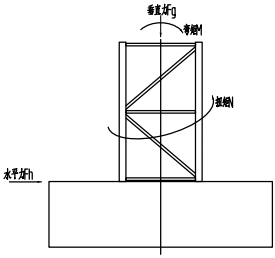
	Luffing mechanism			Slewing mechanism
	2.7min	55kW	0-0.62r/min	2×7.5kW
Power supply	380V(±5%) 50Hz	Power consumption	145kVA	

FIXING ANGLES LOADING



Range	working condition	vertical force	bending moment	horizontal force	torsion
m		KN	KN.M	KN	KN.M
42	in service	1136.7	3595.81	28.22	203
	out of service	785.7	5570.83	302.46	0
36	in service	1125.8	3447.64	26.22	143
	out of service	774.8	4989.42	280.42	0
30	in service	1113.96	3268.04	24.18	83
	out of service	762.96	4509.15	258.38	0

FOUNDATION LOADING



Range	working condition	Bending moment angle	RA	RB	RC	RD	Fh
			kg	kg	kg	kg	kg
42m	in service	0°	-7540	-7540	64375	64375	1411
		45°	-22435	28418	79270	28418	
	out of service	0°	-36066	-36066	75351	75351	15123
		45°	-59141	19643	98426	19643	
36m	in service	0°	-6331	-6331	62622	62622	1311
		45°	-20612	28145	76902	28145	
	out of service	0°	-30524	-30524	69265	69265	14021
		45°	-51191	19370	89931	19370	
30m	in service	0°	-4832	-4832	60529	60529	1209
		45°	-18368	27849	74066	27849	
	out of service	0°	-26018	-26018	64165	64165	12919
		45°	-44695	19074	82843	19074	

CDK280

CANTON TINGSING CONSTRUCTION MACHINERY CO., LTD
MOBILE:+8613924882909
TEL:86-757-86713673
E-MAIL:hebinye@163.com
COMPANY ADDRESS:GUICHENG SUBDISTRICT, NANHAI DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, P.R.CHINA
FACTORY ADDRESS: HESHAN, JIANGMEN CITY, GUANGDONG PROVINCE, P.R.CHINA