

# 1. 基本信息

设备编号	3125-00007
编号类型	内部编号
设备型号	M900D
建档日期	2017-10-18 14:04:19
备案有效期	2018-10-18 14:04:19
产权单位	上海市机械施工集团有限公司
采购日期	2007-01-15
产地	中国
制造商	FAVCO
臂长	73.4 M
最大起重量	64 T*M
起重卷扬容绳量	600 M
对地压强（地耐力参数）	kg/cm <sup>2</sup>
总重量（约）	315 T

# 2. 结构反力

图1:



最大塔身高度 I	
爬距范围 II	

风速 结构反力	工作状态风速	非工作状态风速
	20	42
M		
V	283	239
MK		
H1	83	67
H2	76	37

图2:

□

风速 结构反力	工作状态风速	非工作状态风速
	20	42
M	1462	1178
V	276	225
S	9	37
MK		

T	390	317
风速	工作状态风速	非工作状态风速
U	253	204
结构反力		
	20	42

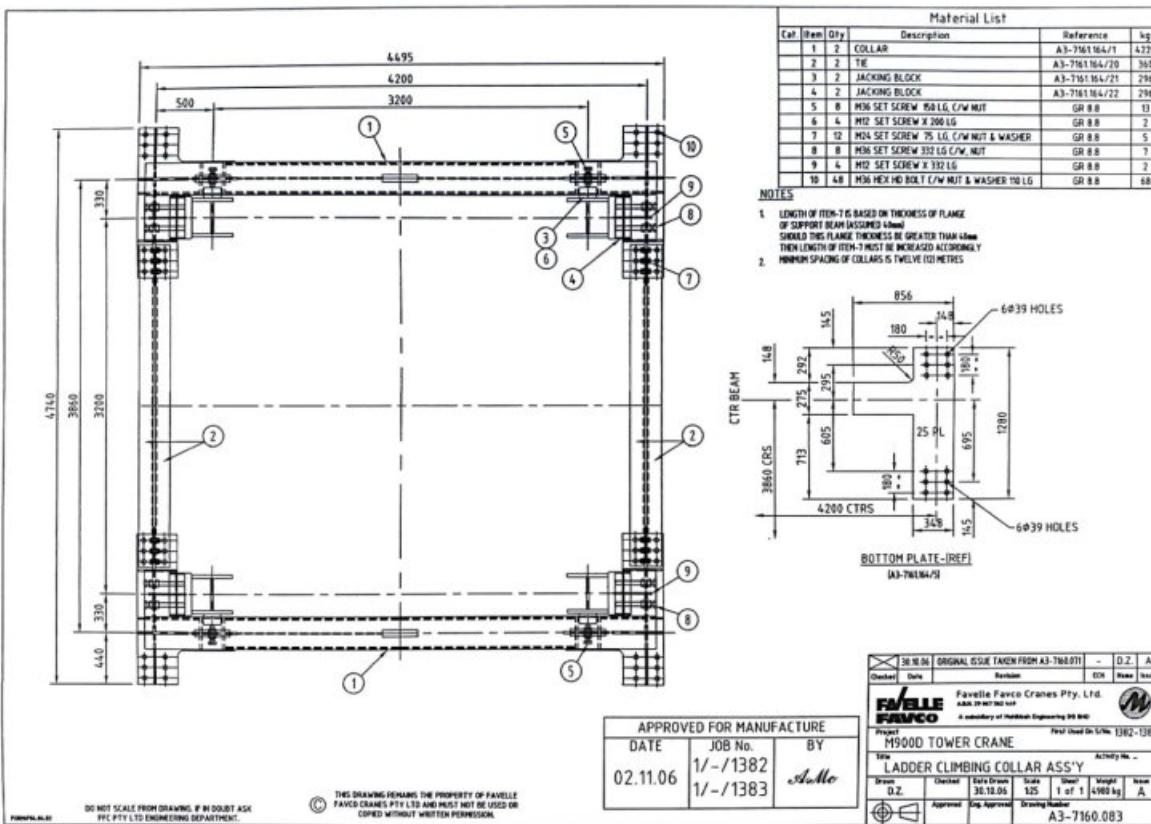
图3:

□

最大塔身高度 II	
爬距范围 I	

风速	工作状态风速	非工作状态风速
结构反力		
M		
V		
MK		
H1		
H2		

### 3. 爬升框



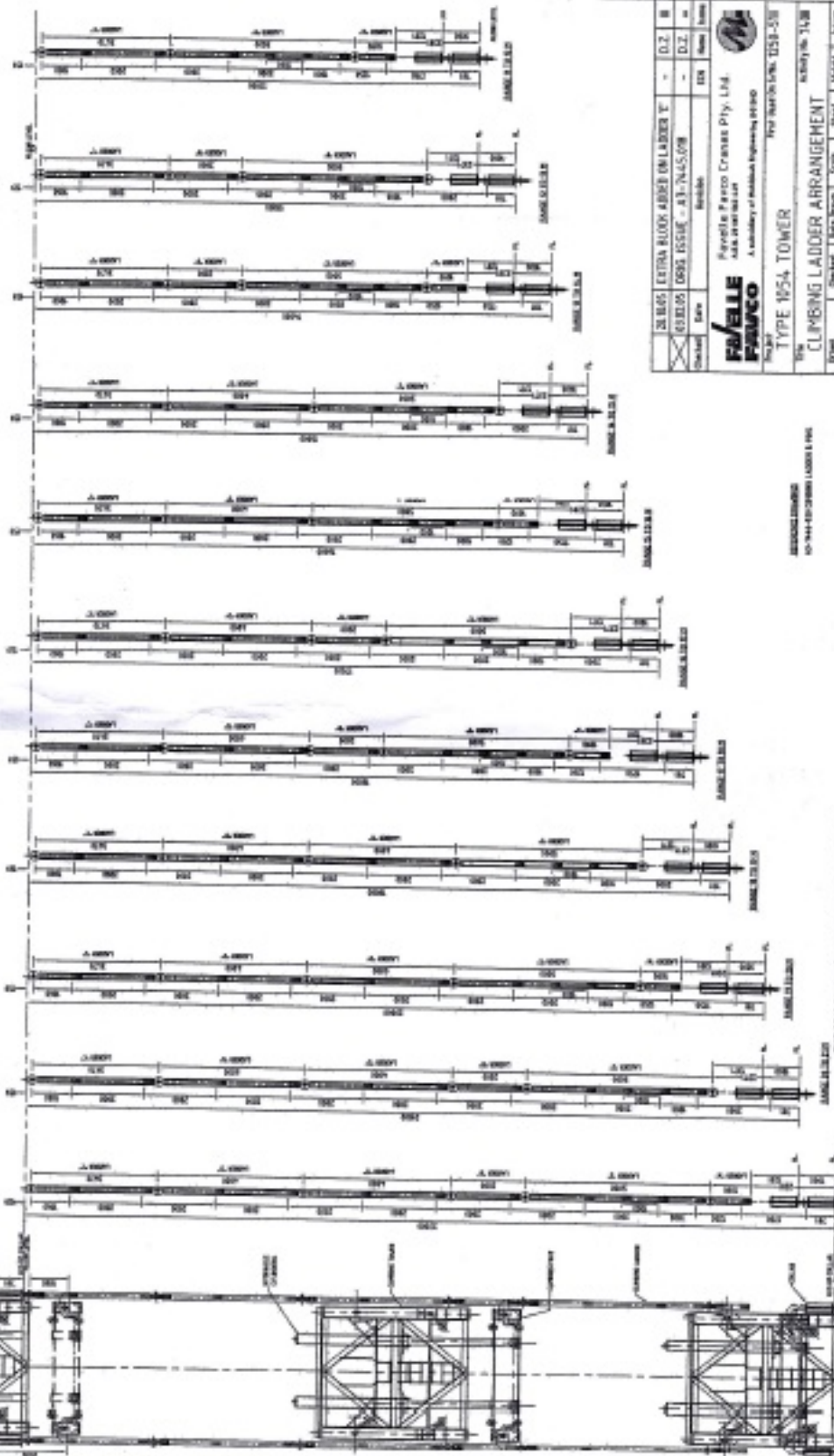
## 4. 爬带配置

APPROVED FOR MANUFACTURE

DATE 20.10.05

JOB No. 1/-/1250

BY *M.Mo*

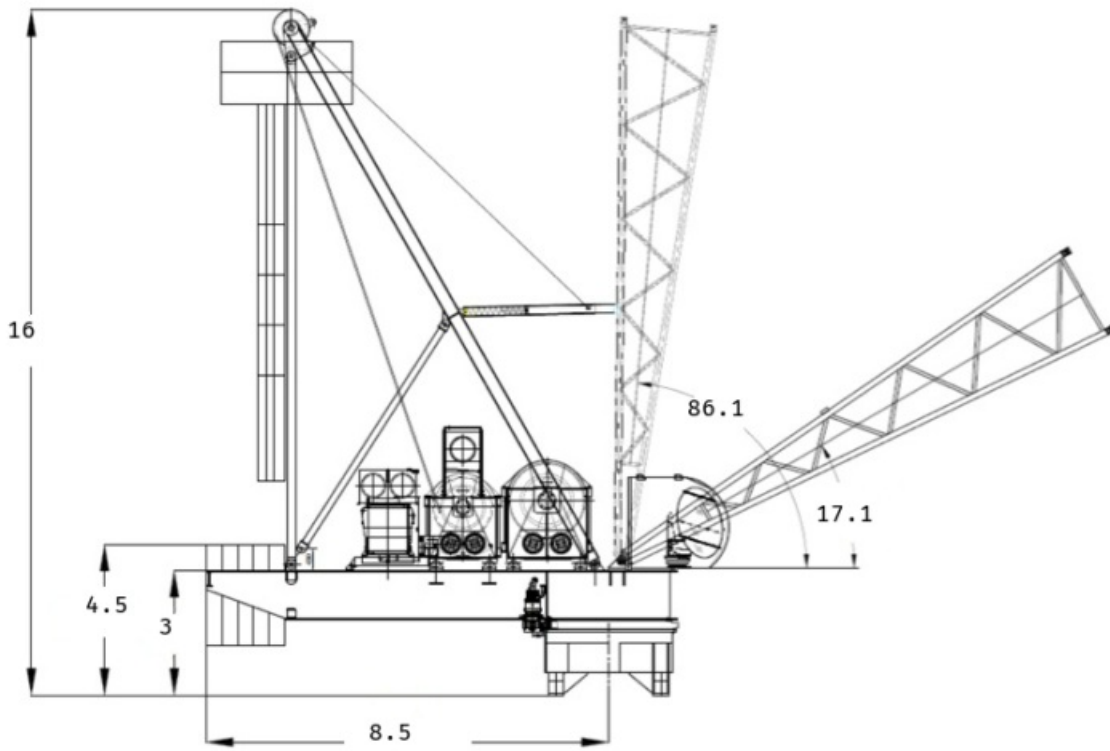


Checked	Date	Revised	Issue	Rev
<input checked="" type="checkbox"/>			02	D.2
<input checked="" type="checkbox"/>			03	D.2

**FABELLE FABRICO**  
 Ferrelle Faeco Cranes Pty. Ltd.  
 A subsidiary of Mulholland Engineering 80/800  
 17th Floor, 175/176, King Street, Sydney NSW 2010  
 Tel: 02 9550 0500 Fax: 02 9550 0501  
 Email: info@fabellefabrico.com.au

TYPE 1954 TOWER  
 CLIMBING LADDER ARRANGEMENT  
 Scale: 1:10  
 Sheet: 1 of 1  
 Drawing No: A3-7645-021

5. 外形尺寸



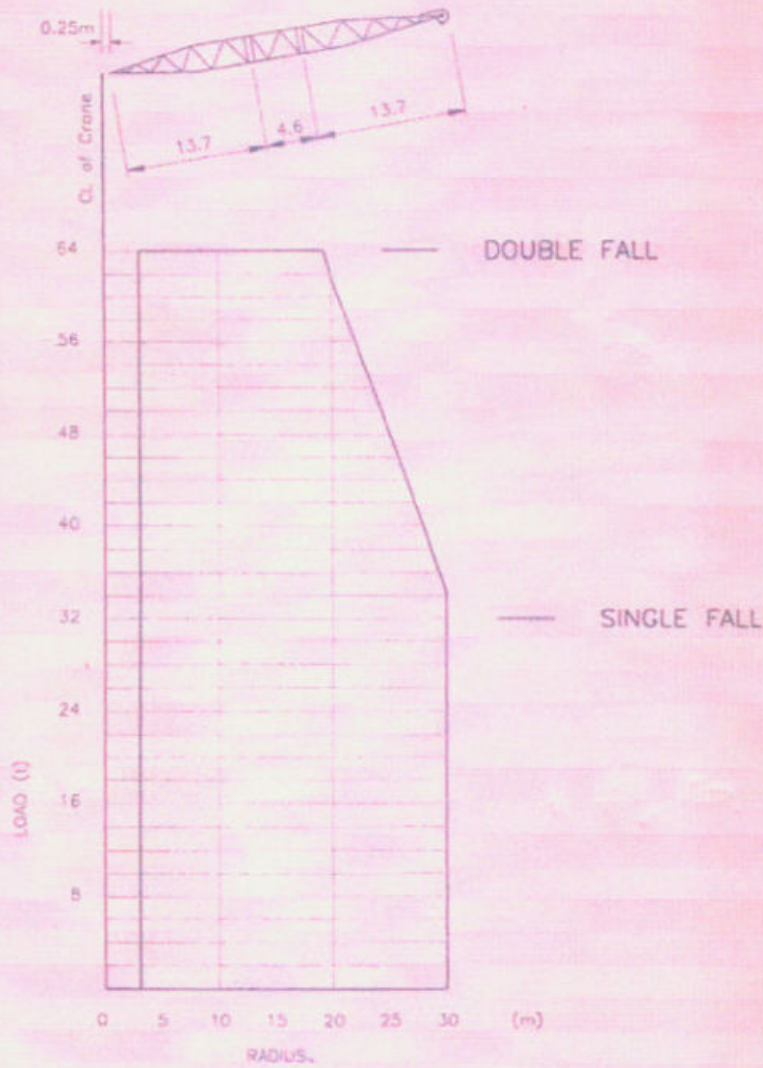
## 6. 设备清单

名称	数量	单重 (t)	总重 (t)	外形尺寸 (m) 长×宽×高	备注
<b>一、主机部分</b>					
机械平台 (前部)	1	24.8	24.8	10.5×3.5×2.2	
机械平台 (后部)	1	0	0	××	
人字架总成	1	9.7	9.7	14.4×3.22×0.8	
驾驶舱总成	1	1.3	1.3	3.54×3.9×1.8	
动力包	1	24.5	24.5	5.7×2.25×2.25	
下回转	1	7.25	7.25	4.22×2×2	
<b>二、塔节部分</b>					
内顶升节总成	1	17	17	4.2×3.6×3.6	
标准节	13	7.95	103.35	4×3.6×3.6	含两节加强节
顶升套架	3	6	18	××	爬升框

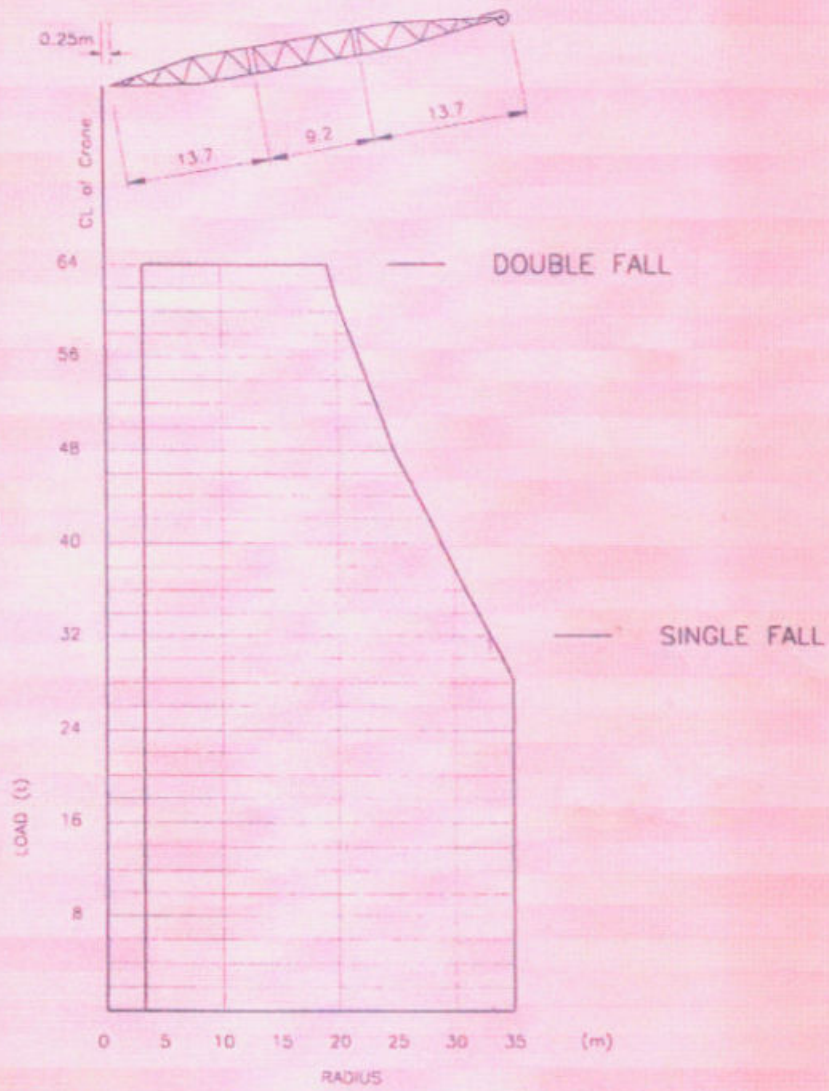
名称	数量	单重 (t)	总重 (t)	外形尺寸 (m) 长×宽×高	备注
<b>三、塔臂部分</b>					
伸臂根节	1	2.8	2.8	13.7×3×3	
伸臂延长节_1	3	2.9	8.7	9.2×3×3	
伸臂顶节	1	3.7	3.7	13.7×3×3	
<b>四、吊索件</b>					
主吊钩	1	3	3	××	64
变幅滑轮组	1	2	2	××	
临时拉索	1	2.5	2.5	××	
<b>五、配重</b>					
配重块	12	6.6	79.2	××	总重不变
			<b>总重量</b>	<b>313.80 吨</b>	

## 7. 载荷性能曲线及起重性能表

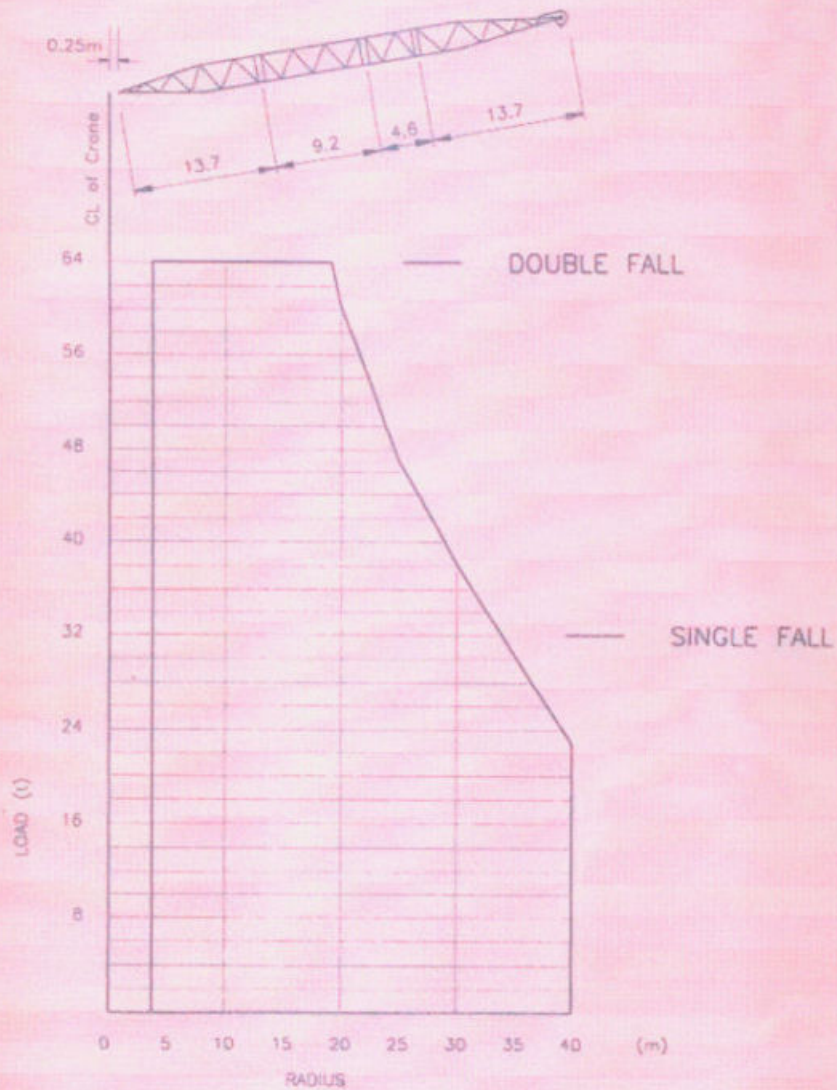




LOAD CHART 30.0m RADIUS BOOM							
RADIUS (m)	3.1	10.0	15.0	19.5	20.0	25.0	30.0
LOAD (t)	64.0	64.0	64.0	64.0	61.5	48.2	34.3
BOOM ANGLE (°)	86.0	73.4	63.7	54.7	53.1	40.7	23.5

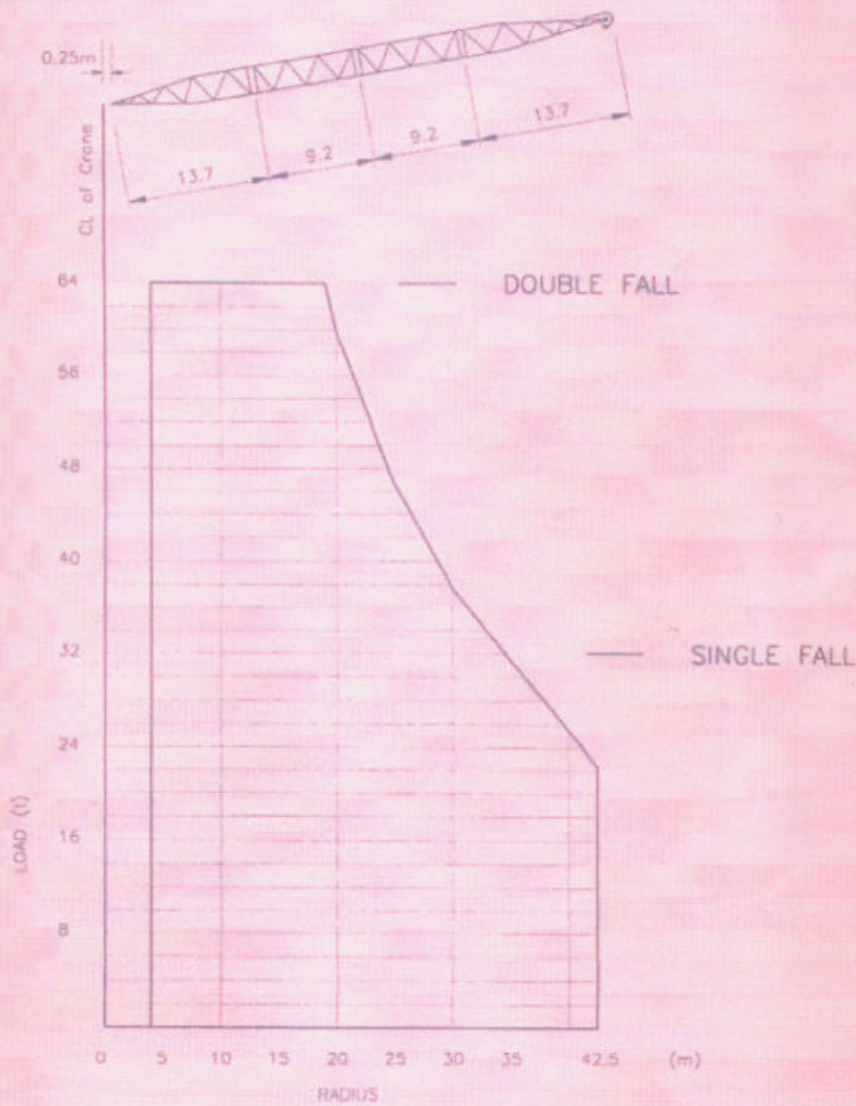


LOAD CHART 35.0m RADIUS BOOM									
RADIUS (m)	3.3	10.0	15.0	19.2	20.0	25.0	30.0	32.5	35.0
LOAD (T)	64.0	64.0	64.0	64.0	60.9	47.6	37.9	33.7	28.3
BOOM ANGLE (°)	86.2	75.5	67.2	59.8	58.4	48.5	35.9	29.6	20.1



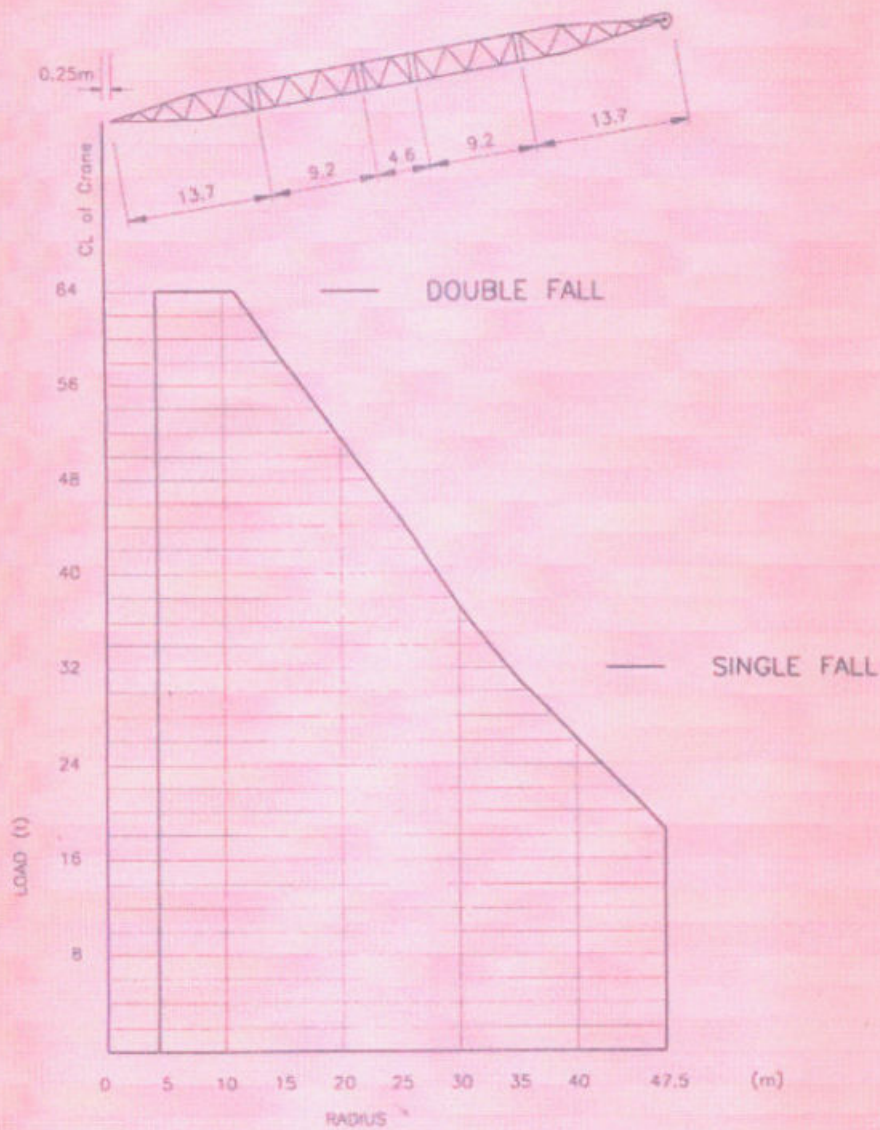
LOAD CHART 40.0m RADIUS BOOM

RADIUS (m)	3.7	10.0	15.0	19.2	20.0	25.0	30.0	35.0	40.0
LOAD (t)	64.0	64.0	64.0	64.0	60.5	47.0	38.2	30.3	22.8
BOOM ANGLE (°)	86.0	77.2	69.9	63.5	62.2	54.0	44.8	33.6	17.1



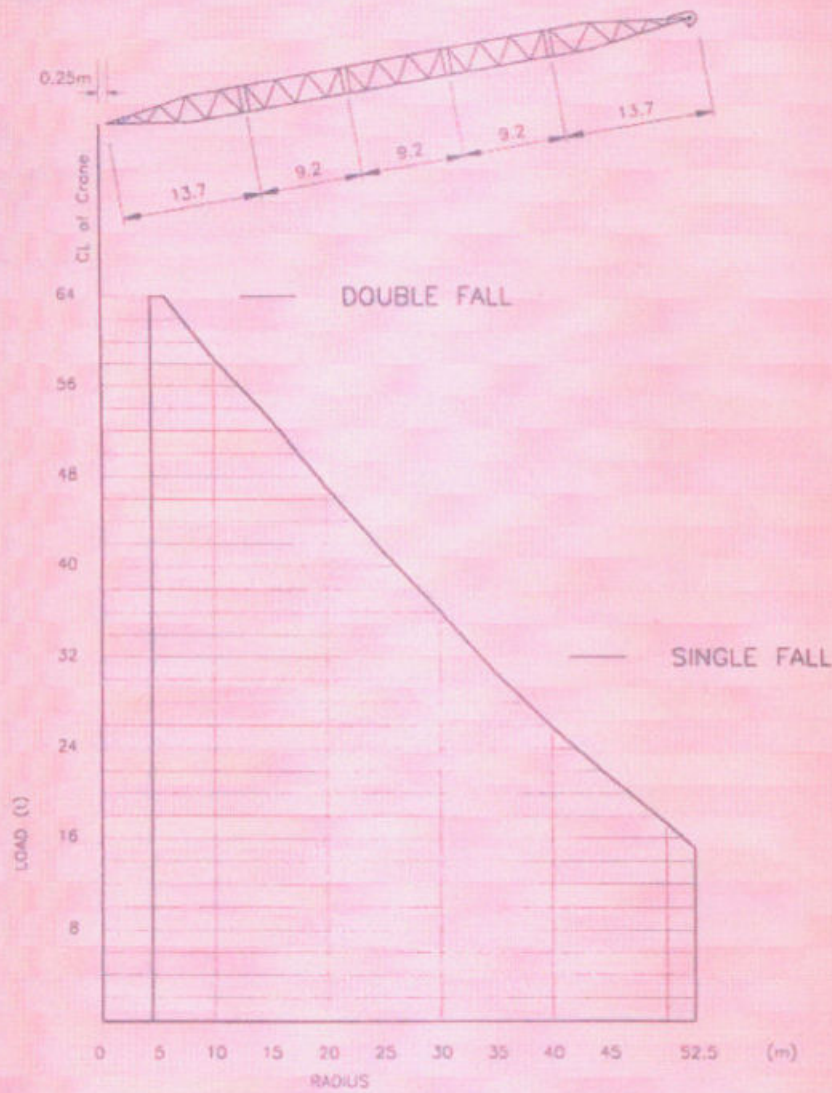
LOAD CHART 42.5m RADIUS BOOM

RADIUS (m)	4.0	10.0	15.0	19.1	20.0	25.0	30.0	35.0	40.0	42.5
LOAD (T)	64.0	64.0	64.0	64.0	59.9	46.6	37.7	31.4	25.5	22.3
BOOM ANGLE (°)	86.1	78.5	72.0	66.5	65.2	58.1	50.4	41.6	30.9	24.0

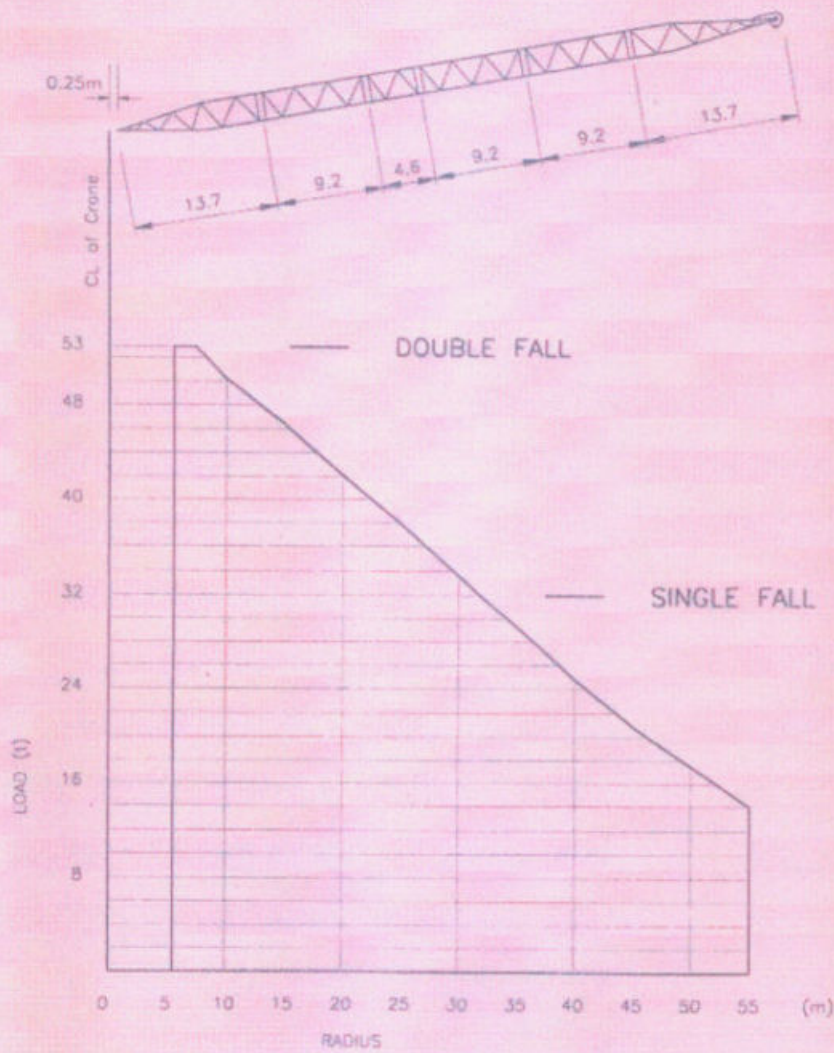


LOAD CHART 47.5m RADIUS BOOM

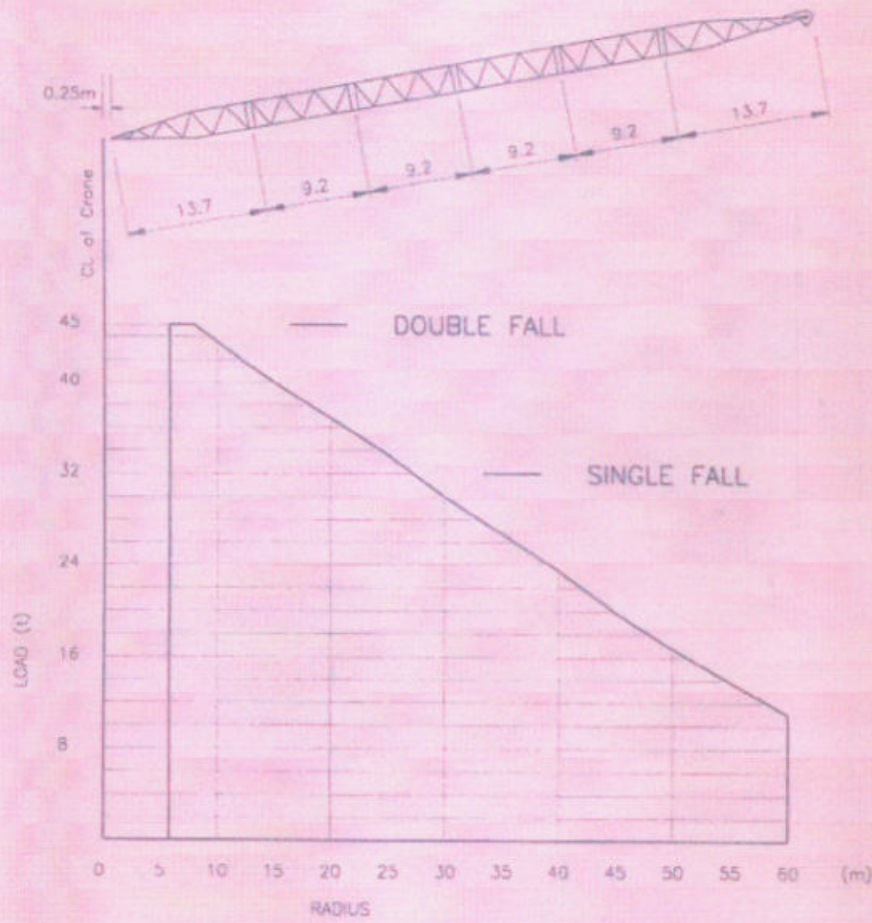
RADIUS (m)	4.3	10.0	11.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	47.5
LOAD (T)	64.0	64.0	64.0	58.3	51.4	44.7	37.3	31.0	26.1	21.1	18.4
BOOM ANGLE (°)	86.1	79.5	78.4	73.7	67.6	61.3	54.6	47.2	38.8	28.4	21.6



LOAD CHART 52.5m RADIUS BOOM												
RADIUS (m)	4.4	5.6	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	52.5
LOAD (T)	64.0	64.0	58.5	53.0	47.0	41.2	36.1	30.5	25.8	21.5	17.3	15.1
BOOM ANGLE (°)	86.3	85.0	80.4	75.1	69.6	63.9	57.9	51.5	44.5	36.4	26.2	19.4

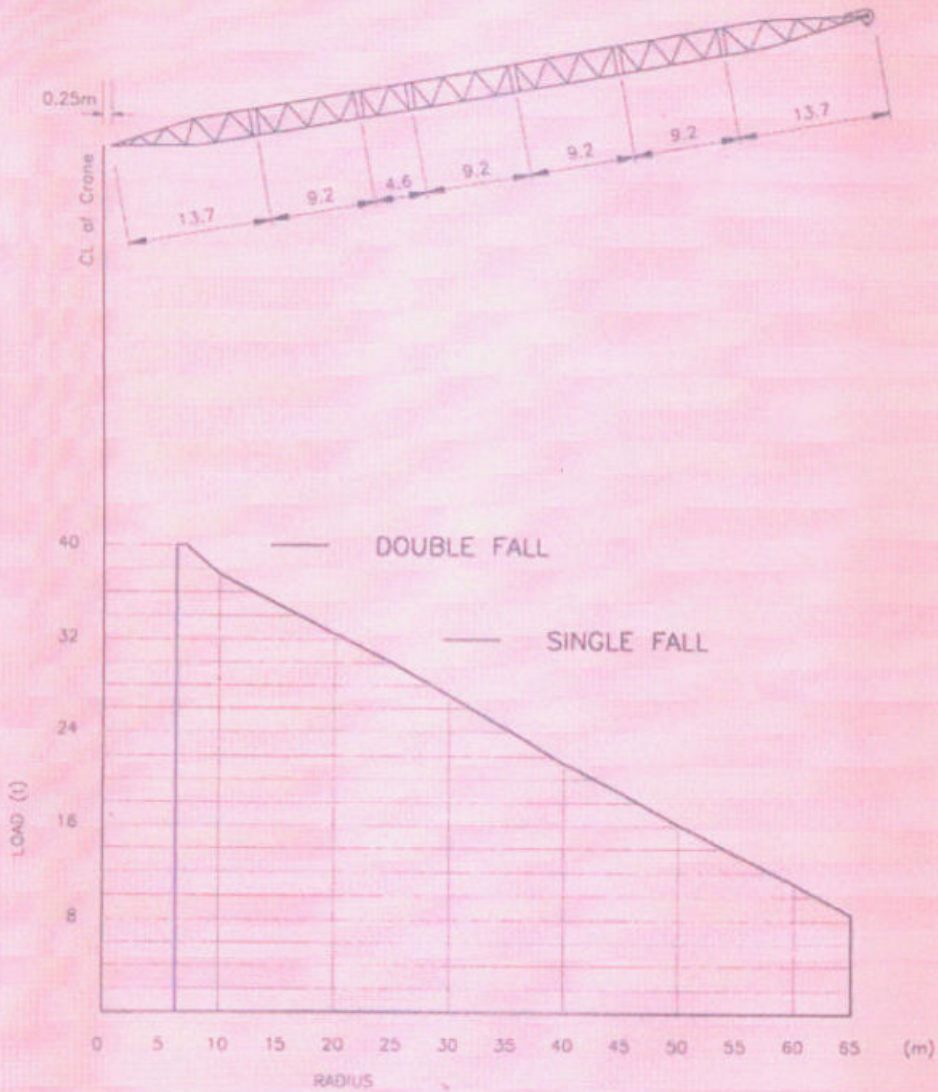


LOAD CHART 55.0m RADIUS BOOM												
RADIUS (m)	5.5	7.4	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0
LOAD (T)	85.5	83.7	81.2	76.3	71.2	66.1	60.7	55.0	48.8	42.0	34.2	24.2
BOOM ANGLE (°)	53.0	53.0	50.2	46.4	42.1	37.9	33.6	29.3	24.8	20.9	17.5	14.0



LOAD CHART 60.0m RADIUS BOOM													
RADIUS (m)	5.8	8.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0
LOAD (t)	45.0	45.0	43.5	40.0	32.6	26.6	21.6	17.6	14.1	11.1	8.6	6.6	5.0
BOOM ANGLE (°)	85.6	83.6	81.8	77.3	72.8	68.8	65.3	62.3	59.8	57.8	56.3	55.3	54.4

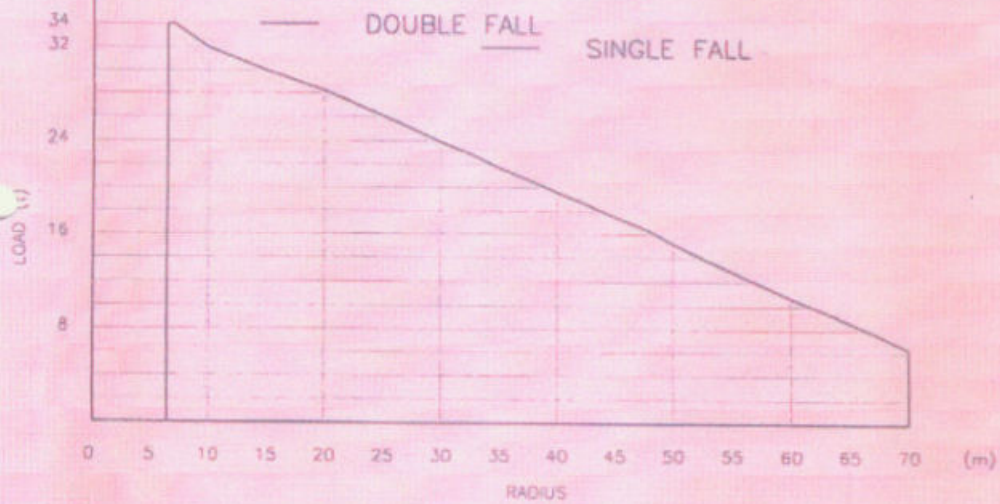
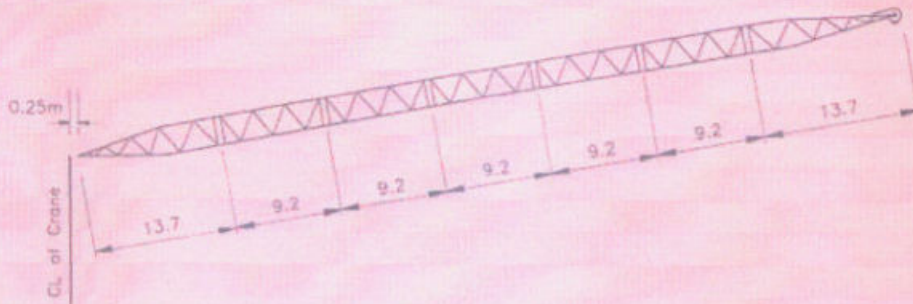




RADIUS (m)	6.3	7.1	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
LOAD (T)	40.0	40.0	37.5	35.0	32.5	30.0	27.1	24.3	21.4	18.9	16.1	13.5	11.1	8.5
BOOM ANGLE (°)	85.5	84.8	82.4	78.1	73.8	69.4	64.9	60.2	55.3	50.0	44.3	37.9	30.4	20.7

**FAVELLE  
FAVCO**

LOAD CHART M900D  
BOOM LENGTH 73.4m



LOAD CHART 70.0m RADIUS BOOM

RADIUS (m)	6.5	7.1	10.0	15.0	20.0	25.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
LOAD (T)	34.0	34.0	32.0	30.0	28.2	26.1	21.7	19.6	17.5	15.2	12.9	10.7	8.6	6.3
BOOM ANGLE (°)	85.6	85.1	82.8	78.9	74.9	70.9	62.2	57.7	53.0	47.9	42.3	36.1	28.8	19.1

## 8. 其他证照资料

制造许可证:

315-7#

# CERTIFICATE OF QUANTITY

**FAVELLE  
FAVCO**  
The Cranemakers

LOT 42, PERSIARAN BUNGA TANJUNG 2  
SENAWANG INDUSTRIAL PARK  
70400, SEREMBAN  
NEGERI SEMBILAN, MALAYSIA.  
TEL : ( 606 ) 676 8888  
FAX : ( 606 ) 676 8888  
E-MAIL : admin@favellefavco.com.my

Certificate No : FFCM /06-1383

PROJECT : TOWER CRANE


Description :

CRANE MODEL : M900D S/NO. 1383

1) MACHINERY DECK	14,550KG	
2) CABIN	1,250KG	
3) WINCH & POWERPACK	16,000KG	
4) SLEW MOUNT	7,300KG	
5) BOOM BOTTOM (13.7M)	2,690KG	
6) BOOM TOP (13.7M)	2,610KG	
7) BOOM EXT. (9.2M)	1,700KG	(4 UNITS)
8) BOOM EXT. (4.6M)	995KG	
9) MAST	9,400KG	
10) BRIDLE	1,500KG	
11) HOOK	1,500KG	
12) HOIST ROPE	5,600KG	( ADDITIONAL)

We certify that the crane has been inspected and conform  
in all respects to the requirements of the contract order.

Signed :

  
MR LIM YUIN KHONG  
ASSISTANT QA/QC MANAGER

Date : 15/1/2007

For and on behalf of : FAVELLE FAVCO CRANES (M) SDN. BHD.



3.25-7#

# CERTIFICATE

## OF ORIGIN 原产地证明

**FAVELLE  
FAVCO**  
The Cranemakers


LOT 42, PERSIARAN BUNGA TANJUNG 2  
SENAWANG INDUSTRIAL PARK  
70400, SEREMBAN  
NEGERI SEMBILAN, MALAYSIA.  
TEL : ( 606 ) 676 8888  
FAX : ( 606 ) 676 8888  
E-MAIL : admin@favellefavco.com.my

Certificate No. FFCM/06-1383Origin  
证明编码 : FFCM/06-1383Origin

**CLIENT:** Shanghai CSCEC Imp. And Exp. Co. Ltd.      客户: 上海中建进出口有限公司  
18/F, No.319 Changde Road, Shanghai, China.      中国上海常德路 319 号 18 楼

CRANE MODEL 塔机型号	: LUFFING BOOM CRANE M900D
SERIAL NO. 序号	: 1383
QUANTITY 数量	: 1 UNIT
MANUFACTURER 制造商	: FAVELLE FAVCO CRANES (M) SDN. BHD.
MANUFACTURING LOCATION 生产厂地	: SENAWANG, MALAYSIA
COUNTRY OF ORIGIN 原产地国家	: MALAYSIA
DESIGNED BY FAVELLE FAVCO CRANES, PRESTONS NSW AUSTRALIA AND MANUFACTURED BY FAVELLE FAVCO CRANES (M) SDN. BHD. IN 2006, TO CONFORM TO AUSTRALIAN STANDARD AS1418, PARTS 1 & 4.	

严格按照澳洲制作标准 AS1418 第 1, 4 部分规定, 由澳洲 FAVELLE FAVCO CRANES 公司设计, 并由马来西亚 FAVELLE FAVCO CRANES 公司制造。

Signed:       Date: 15/1/2007  
签名: MR LIM YUIN KHONG      日期:  
ASSISTANT QA/QC MANAGER  
For and on behalf of: FAVELLE FAVCO CRANES (M) SDN. BHD.  
代表: FAVELLE FAVCO CRANES (M) SDN. BHD.

备案证书或IC卡:

统一编号: S5110t

单位名称: 上海市机械施工有限公司

设备名称: M900D 3125-007  
1383