

M55R, 19.63m, 2F		
Radius (m)	Boom Angle (°)	SWL
4.3	80.9	10.0
4.5	80.4	10.0
5.0	78.9	10.0
5.5	77.4	10.0
6.0	75.9	10.0
6.5	74.4	10.0
7.0	72.9	10.0
7.5	71.3	10.0
8.0	69.8	10.0
8.5	68.2	10.0
9.0	66.6	10.0
9.5	65.0	9.9
10.0	63.4	9.8
10.5	61.8	9.6
11.0	60.1	9.4
11.5	58.4	9.2
12.0	56.7	9.0
12.5	54.9	8.8
13.0	53.1	8.6
13.5	51.3	8.3
14.0	49.4	8.1
14.5	47.4	7.8
15.0	45.4	7.6
15.5	43.3	7.3
16.0	41.1	7.1
16.5	38.9	6.9
17.0	36.5	6.6
17.5	34.0	6.4
18.0	31.2	6.1
18.5	28.3	5.8
19.0	25.1	5.6
19.5	21.3	5.2
20.0	16.9	4.9
20.5	10.8	4.4
20.6	9.9	4.3

M55R, 19.63m, 1F		
Radius (m)	Boom Angle (°)	SWL
3.5	83.7	5.0
3.5	83.6	5.0
4.0	82.1	5.0
4.5	80.6	5.0
5.0	79.2	5.0
5.5	77.7	5.0
6.0	76.2	5.0
6.5	74.7	5.0
7.0	73.1	5.0
7.5	71.6	5.0
8.0	70.1	5.0
8.5	68.5	5.0
9.0	66.9	5.0
9.5	65.3	5.0
10.0	63.7	5.0
10.5	62.1	5.0
11.0	60.4	5.0
11.5	58.7	5.0
12.0	57.0	5.0
12.5	55.2	5.0
13.0	53.4	5.0
13.5	51.6	5.0
14.0	49.7	5.0
14.5	47.8	5.0
15.0	45.8	5.0
15.5	43.7	5.0
16.0	41.5	5.0
16.5	39.3	5.0
17.0	36.9	5.0
17.5	34.4	5.0
18.0	31.7	5.0
18.5	28.9	5.0
19.0	25.7	5.0
19.5	22.1	4.8
20.0	17.8	4.5
20.5	12.1	4.1
20.6	10.0	4.0

M55R, 18m, 2F		
Radius (m)	Boom Angle (°)	SWL
4.1	80.9	10.0
4.5	79.5	10.0
5.0	77.9	10.0
5.5	76.2	10.0
6.0	74.6	10.0
6.5	72.9	10.0
7.0	71.3	10.0
7.5	69.6	10.0
8.0	67.9	10.0
8.5	66.1	10.0
9.0	64.4	10.0
9.5	62.6	10.0
10.0	60.8	10.0
10.5	59.0	10.0
11.0	57.1	10.0
11.5	55.2	10.0
12.0	53.2	10.0
12.5	51.2	10.0
13.0	49.1	9.9
13.5	47.0	9.6
14.0	44.8	9.3
14.5	42.4	9.0
15.0	40.0	8.7
15.5	37.5	8.4
16.0	34.8	8.0
16.5	31.9	7.7
17.0	28.7	7.2
17.5	25.2	6.7
18.0	21.2	6.1
18.5	16.2	5.5
19.0	9.9	4.8

M55R, 18m, 1F		
Radius (m)	Boom Angle (°)	SWL
3.3	83.7	5.0
3.5	83.0	5.0
4.0	81.4	5.0
4.5	79.8	5.0
5.0	78.2	5.0
5.5	76.5	5.0
6.0	74.9	5.0
6.5	73.2	5.0
7.0	71.6	5.0
7.5	69.9	5.0
8.0	68.2	5.0
8.5	66.4	5.0
9.0	64.7	5.0
9.5	62.9	5.0
10.0	61.1	5.0
10.5	59.3	5.0
11.0	57.4	5.0
11.5	55.5	5.0
12.0	53.6	5.0
12.5	51.5	5.0
13.0	49.5	5.0
13.5	47.4	5.0
14.0	45.2	5.0
14.5	42.9	5.0
15.0	40.5	5.0
15.5	38.0	5.0
16.0	35.3	5.0
16.5	32.4	5.0
17.0	29.3	5.0
17.5	25.9	5.0
18.0	22.0	5.0
18.5	17.2	5.0
19.0	10.6	5.0
19.0	10.0	4.9



M55R, 16.37m, 2F		
Radius (m)	Boom Angle (°)	SWL
3.1	83.4	10.0
3.5	82.0	10.0
4.0	80.2	10.0
4.5	78.4	10.0
5.0	76.6	10.0
5.5	74.8	10.0
6.0	73.0	10.0
6.5	71.2	10.0
7.0	69.3	10.0
7.5	67.4	10.0
8.0	65.5	10.0
8.5	63.6	10.0
9.0	61.6	10.0
9.5	59.6	10.0
10.0	57.6	10.0
10.5	55.5	10.0
11.0	53.3	10.0
11.5	51.1	10.0
12.0	48.8	10.0
12.5	46.4	10.0
13.0	44.0	10.0
13.5	41.4	10.0
14.0	38.7	9.9
14.5	35.8	9.3
15.0	32.7	8.7
15.5	29.2	8.1
16.0	25.4	7.5
16.5	21.0	6.8
17.0	15.4	6.0
17.3	9.9	5.4

M55R, 16.37m, 1F		
Radius (m)	Boom Angle (°)	SWL
3.1	83.7	5.0
3.5	82.3	5.0
4.0	80.5	5.0
4.5	78.8	5.0
5.0	77.0	5.0
5.5	75.2	5.0
6.0	73.3	5.0
6.5	71.5	5.0
7.0	69.6	5.0
7.5	67.8	5.0
8.0	65.9	5.0
8.5	63.9	5.0
9.0	62.0	5.0
9.5	60.0	5.0
10.0	57.9	5.0
10.5	55.8	5.0
11.0	53.7	5.0
11.5	51.5	5.0
12.0	49.2	5.0
12.5	46.9	5.0
13.0	44.4	5.0
13.5	41.9	5.0
14.0	39.2	5.0
14.5	36.3	5.0
15.0	33.2	5.0
15.5	29.9	5.0
16.0	26.2	5.0
16.5	21.9	5.0
17.0	16.5	5.0
17.4	10.0	5.0

PRELIMINARY LOAD CHARTS, SUBJECT TO FINAL ENGINEERING DESIGN

- 1 FALL LOAD CHART INCLUDING 300m TO BOOM PIVOT
- 2 FALL LOAD CHART INCLUDING 150m TO BOOM PIVOT

HOIST ROPE Ø16mm, 300m ON DRUM (WITH 7 LAYERS)

Date	Description	ECN Number	Rev
			A
TOLERANCES			
Machined Dimensions: Tolerances required UNO.			
≤30 ±0.2	>30 - ≤100 ±0.3	>100 - ≤300 ±0.5	>300 - ≤1000 ±0.8
>1000 - ≤2000 ±1.2			
Structural Components: Tolerances required UNO.			
≤1000 ±1	>1000 - ≤2000 ±2	>2000 - ≤3000 ±3	>3000 - ≤6000 ±4
>6000 - ≤9000 ±5			
 FAVELLE FAVCO CRANES PTY. LTD, Australia A.B.N. 29 067 562 449 A subsidiary of FAVELLE FAVCO BERHAD A member of MUHIBBAH ENGINEERING BHD			
Title			
M55R INFORMATION			
Drawn	Draft Checked	Eng Checked	Approved
-	-	-	-
Scale:	Sheet:		Rev:
-	3 OF 8		-
	Weight	First Used On S/No.	Drawing Number
-	-	-	M55R_GA
			A