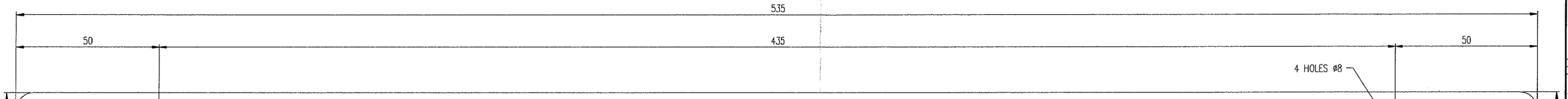


FRANNA CRANES PTY LTD

LOAD CHART 16C1204A — A
MODEL AT-18

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF 10° OR LESS EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY GREEN LED ON DASH).

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF GREATER THAN 10° EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY YELLOW LED ON DASH).

RADIUS IN METRES.

BOOM PIVOT TO HEAD SHEAVES – MANUAL EXTENSION RETRACTED.

BOOM ANGLE	5.67	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	13.85	MAN EXT 17.90	FLY JIB 0° 20.83	FLY JIB 12.5° 20.76
60°			12600	12600	12600	12600	12600	12600	11850	11200	10600	9950	7800	7200	6700	6250	5800	5550	2550	1500	1300
			1.04	1.29	1.54	1.79	2.04	2.29	2.54	2.79	3.04	3.29	3.54	3.79	4.04	4.29	4.54	4.72	6.74	8.25	8.73
50°			12600	12600	12600	12600	11500	10150	9050	8150	7400	6800	6250	5750	5350	5000	4650	4350	4100	3950	2250	1200	1120
			1.45	1.66	1.98	2.30	2.62	2.95	3.27	3.59	3.91	4.23	4.55	4.87	5.20	5.52	5.84	6.16	6.48	6.71	9.31	11.22	11.64
40°			12600	12600	11800	10300	9100	8100	7300	6600	6000	5500	5050	4650	4300	4000	3750	3500	3300	3100	2950	2050	970	920
			2.16	2.42	2.80	3.18	3.56	3.95	4.33	4.71	5.10	5.48	5.86	6.25	6.63	7.01	7.39	7.78	8.16	8.43	11.53	13.79	14.13
30°			12050	10850	9350	8250	7300	6500	5950	5400	4950	4600	4250	3950	3650	3400	3200	3000	2850	2700	1900	850	820
			2.75	3.03	3.47	3.90	4.33	4.77	5.20	5.63	6.07	6.50	6.93	7.36	7.80	8.23	8.66	9.10	9.53	9.83	13.34	15.88	16.14
20°			10600	9350	8100	7150	6350	5700	5200	4750	4350	4000	3700	3450	3200	3000	2800	2650	2450	2350	1700	770	770
			3.19	3.50	3.97	4.44	4.91	5.38	5.85	6.32	6.79	7.26	7.73	8.20	8.67	9.13	9.60	10.07	10.54	10.87	14.68	17.43	17.59
10°			9400	8300	7400	6550	5850	5300	4800	4350	4000	3700	3400	3200	3000	2750	2600	2400	2300	2200	1650	750	750
			3.46	3.79	4.28	4.77	5.27	5.76	6.25	6.74	7.24	7.73	8.22	8.71	9.21	9.70	10.19	10.68	11.18	11.52	15.51	18.39	18.45
0°			9050	8000	7100	6350	5700	5100	4650	4250	3900	3600	3350	3100	2850	2700	2500	2350	2200	2100	1600	750	750
			3.57	3.90	4.40	4.90	5.40	5.90	6.40	6.90	7.40	7.90	8.40	8.90	9.40	9.90	10.40	10.90	11.40	11.75	15.80	18.73	18.69

BOOM ANGLE	18T LUG 3.36
60°	
50°	
40°	
30°	18000 / 0.86
20°	18000 / 1.09
10°	18000 / 1.23
0°	18000 / 1.26

BOOM PIVOT TO INNER LUG, 1st EXTENSION MANUAL EXTENSION RETRACTED.

BOOM ANGLE	4.16	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.25
60°						16000	15150	14000	13000	12550
						1.22	1.47	1.72	1.97	2.09
50°			16000	16000	15900	14550	12600	10950	9600	9050
			1.17	1.49	1.81	2.14	2.46	2.78	3.10	3.26
40°	16000	16000	16000	14700	12500	10400	9000	7800	6950	6550
	1.13	1.40	1.78	2.16	2.55	2.93	3.31	3.69	4.08	4.27
30°	16000	16000	14050	11500	9600	8300	7200	6300	5600	5300
	1.54	1.84	2.27	2.70	3.14	3.57	4.00	4.43	4.87	5.08
20°	16000	13550	11950	9850	8300	7150	6200	5450	4850	4550
	1.83	2.16	2.63	3.10	3.57	4.04	4.51	4.98	5.45	5.68
10°	16000	13600	11950	9850	8250	7050	6150	5400	4800	4500
	2.01	2.35	2.84	3.33	3.82	4.32	4.81	5.30	5.79	6.04
0°	15750	13200	10650	8800	7450	6400	5550	4900	4350	4050
	2.06	2.40	2.90	3.40	3.90	4.40	4.90	5.40	5.90	6.15

OUTER LUG, 1st EXTENSION MANUAL EXT RETRACTED
READ OFF INNER LUG INDICATOR SCALE (RED)

BOOM ANGLE	4.16	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.25
60°				16000	16000	15300	14150	13100	11950	11200
				1.12	1.37	1.62	1.87	2.12	2.37	2.49
50°	16000	16000	16000	16000	13750	11900	10400	9200	8250	7800
	1.14	1.37	1.69	2.01	2.33	2.65	2.97	3.30	3.62	3.77
40°	16000	16000	13550	11450	9850	8600	7550	6750	6050	5750
	1.74	2.01	2.39	2.78	3.16	3.54	3.93	4.31	4.69	4.88
30°	14900	12900	10750	9150	7900	6900	6100	5450	4900	4650
	2.23	2.53	2.96	3.40	3.83	4.26	4.70	5.13	5.56	5.77
20°	12700	11050	9300	7900	6850	6000	5300	4750	4250	4000
	2.58	2.91	3.38	3.85	4.32	4.79	5.26	5.73	6.20	6.43
10°	11650	10150	8550	7300	6350	5550	4900	4350	3900	3700
	2.79	3.14	3.63	4.12	4.61	5.11	5.60	6.09	6.58	6.82
0°	11150	9700	8150	7000	6150	5400	4800	4250	3800	3600
	2.85	3.20	3.70	4.20	4.70	5.20	5.70	6.20	6.70	6.95

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL.
- S.W.L. ON 18T LUG ARE STRUCTURAL.

S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5) WITH TYRES INFLATED AS PER THIS CHART. WEIGHT OF HOOKS, BLOCKS, SLINGS & OTHER LOAD HANDLING DEVICES SHALL BE ADDED TO THE WEIGHT OF THE LOAD. LIFT & CARRY – THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 m/sec (1.44km/hr). A

HOIST ROPE

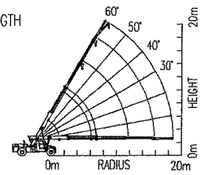
DIAMETER · Nominal 14mm.
CONST : 35Wx7NR COMPAK MIN. BREAKING LOAD · 165 kN
MACHINE SPLICE & THIMBLE EYE, ONE END ONLY, LENGTH · 65m.

BOOM HEAD MOUNTED RHINO HOOK

MAXIMUM S.W.L. ABOVE BOLD BLACK LINE IS 10000 KG WHICH IS STRUCTURAL.
S.W.L. BELOW BOLD BLACK LINE AS PER CHART WITH LENGTH AS READ ON BOOM LENGTH INDICATOR + 0.50 METRE.

TYRES

FRONT : 12.00x20x20 PLY INFLATED TO 125 PSI (DUAL)
REAR : 12.00x20x20 PLY INFLATED TO 90 PSI (DUAL)



WARNING

DO NOT LEAVE KEY "ON"
EMERGENCY STEERING
WILL ACTIVATE.

WINCH SAFE WORKING LOADS

SINGLE PART	4200 KG
TWO PARTS	8400 KG
THREE PARTS	12600 KG

MINIMUM TEXT HEIGHT 2.5mm
MAINTAIN DIMENSIONS SHOWN & SCALE AS REQUIRED.

SILVER BACKGROUND, BLACK PRINTING.

BACKGROUND COLOUR GREEN (Pantone 347C)
BACKGROUND COLOUR YELLOW (Pantone 129C)
BACKGROUND COLOUR SILVER

RED LINE 1mm THICK (Pantone 187C)
BLACK LINE 1mm THICK (Continuous)

MATERIAL : 2mm ALIMINIUM

REV	CHANGE DETAILS	CHG No.	BY	INTER	DATE
A	ADDED SWL TEXT	02526	AJB	YES	17/8/00

UNLESS OTHERWISE STATED ALL WELDING TO AS1554 CATEGORY SP AND ALL DIMENSIONS IN (mm) & TOLERENCED TO LIMITS SHOWN.

NOMINAL SIZE	UP TO 150	ABOVE 150 UP TO 300	ABOVE 300 UP TO 1000	ABOVE 1000
MACHINING	±0.1	±0.25	±0.5	±1.0
FABRICATION	±0.5	±1.0	±1.5	±2.5

AS 1100 — DO NOT SCALE
SHEET SIZE A2
SCALE 1:1

DATE	24-10-96
DRN	M.W.
CKD	
APPD	

FRANNA CRANES PTY LTD
A.C.N. 010 671 948
MOBILE CRANE MANUFACTURERS

TITLE: LOAD CHART 4.2 TONNE WINCH 18 TONNE CRANE

DRG No. 16-MP-1-204 REV A

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PRODUCT No. : 16C1204A