

MADE IN AUSTRALIA



TEREX | FRANNA

AT-15



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TEREX | FRANNA

ACN 010 671 048 ABN 86 010 671 048



Quality
Endorsed
Company
ISO 9001:2001
QEC 10610
SAI-GLOBAL

AT-15

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The all new FRANNA AT-15 provides all the benefits that are required, to class it as a true general purpose crane. This Australian designed and built All Terrain Pick & Carry Mobile crane sets new standards in performance, reliability and quality. From its exceptional abilities on the most rugged terrain, or travelling at 85 kph the AT-15 has earned the reputation for delivering whatever is asked of it.

The following features all make the AT-15 an exceptional crane:

- Synchronized power boom extension and power pinned manual extension.
- Mercedes 170Kw turbo charged and intercooled diesel engine.
- Allison 5 Speed automatic transmisson
- 2 Speed winch with 3.5 tonne line pull
- Fully computerised load moment indicator
- Under slung winch assembly and 2/3 part hook block.
- 40° articulation each side of centre providing a total 80° slewing arc.
- Exclusive slew brake attachment allows the operator to slew the crane through 80° whilst the crane is stationary.
- 40 mm front and 90 mm rear bumpers with recessed headlight and tail light assembly.
- Wide stance boom lift cylinders for maximum operator vision.
- Hinged engine cover, mid cover and floor plate for easy serviceability.
- Upswept exhaust for minimum noise levels.
- Large zone tinted front windscreen, with roof and rear tinted windows.
- Big forward opening doors with full length tinted windows for ease of entry and vision.
- Instrumentation cluster and well positioned controls for ease of operation.
- 3B6 Load moment indicator with audio/visual overload pre-warning
- Two speed wipers/washers and heater/demister.
- In dash air conditioning standard.
- Central greasing and remote air tank drains
- Mud flaps, work lights grab handles.
- KAB suspension driver's and passenger seats, including retracting seat belts.
- Full power orbital steering/DC emergency steering.
- Heavy-duty front and rear bodies.
- Single Joystick control for boom and winch movements.

FRANNA AT-15 SERIES II CRANE SPECIFICATIONS

RATED CAPACITY:

15 Tonne at 1.6m Radius
1.05 Tonne at 15.86m Radius
Max Hook Height 17m
Fall Block (3 parts) capacity 10.5 Tonne
Single Line 3.5 Tonne

AXLE TARE:

Front Axle 6 000 kg
Rear Axle 10 000 kg
TOTAL 16 000 kg

TURNING CIRCLE:

Outside Wheels Radius 6.6 metres

DIMENSIONS:

Overall Length 9.225 metres
Overall Width 2.470 metres
Overall Height 2.985 metres

PERFORMANCE:

Maximum - 85 km/h
Gradability - 50 %

ENGINE:

Mercedes OM906LA inline 6.37 litre, 6 Cylinder, Electronically Controlled Turbo Charged and Intercooled with Turbo Timer 170 kW (228 HP) at 2200 rpm 710 Nm (524 ft.lbf) at 1000 rpm On highway Euro 3 compliant

TRANSMISSION:

Allison 2000 Series 5 Speed fully automatic electronically controlled with lockup from 2nd to 5th for fuel economy. Integrated pre-select downshift with engine compression and engine exhaust brake.

TRANSFER CASE:

Styer VG 750 2.1 ratio High/Low Range via airshift 2WD/4WD via airshift, disconnect to rear axle

DRIVE AXLES:

Front - Meritor RS-25-160 with driver selectable diff lock
Rear - Meritor RS-23-160

BRAKES:

Air operated high capacity S-cam style twin Circuit Service and Spring Applied Park Brakes on both front and rear axles. Crane operation hold brake on driver's side front wheel. Driver selectable engine exhaust brake with electronically controlled transmission downshifts.

TYRES

11.00 x 20 Bias Ply Duals.

SUSPENSION:

Two Semi elliptic springs on front & rear axle plus TORSION BAR on front axle for stability.

CABIN:

Two person, insulated lock up cabin. 3B6 LMI (load moment indicator) with over-load motion cut-outs, Colour LCD Display, In-dash Air-conditioning, CD Radio, Reversing Camera, Driver & Passenger Suspension Seats, Centralised Greasing, Cruise Control, Engine Monitoring & Service Diagnostics, 3 Axis Joystick Control for Crane Functions.

STEERING:

Full Power ORBITROL through twin Hydraulic double acting rams with end stop cushioning. Priority flow from main pump supply plus electro hydraulic emergency supply.

HYDRAULIC PUMP:

Load Sensing Axial Piston Max Pump Flow rate 125 Litre/min. Maximum Working Pressure 210 Bar

BOOM & HYDRAULIC WINCH:

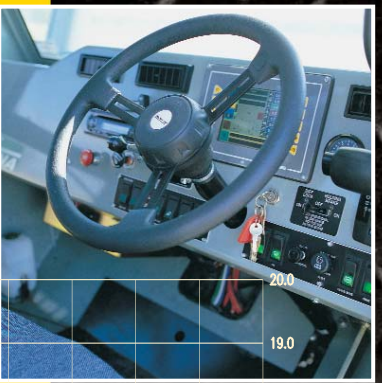
4 section boom with boom 3 manual, 3.5 tonne line pull two speed winch with 2/3 part fall block or single line, fully compensated hook height when telescoping boom 1 & 2. 10 tonne Machinery hook

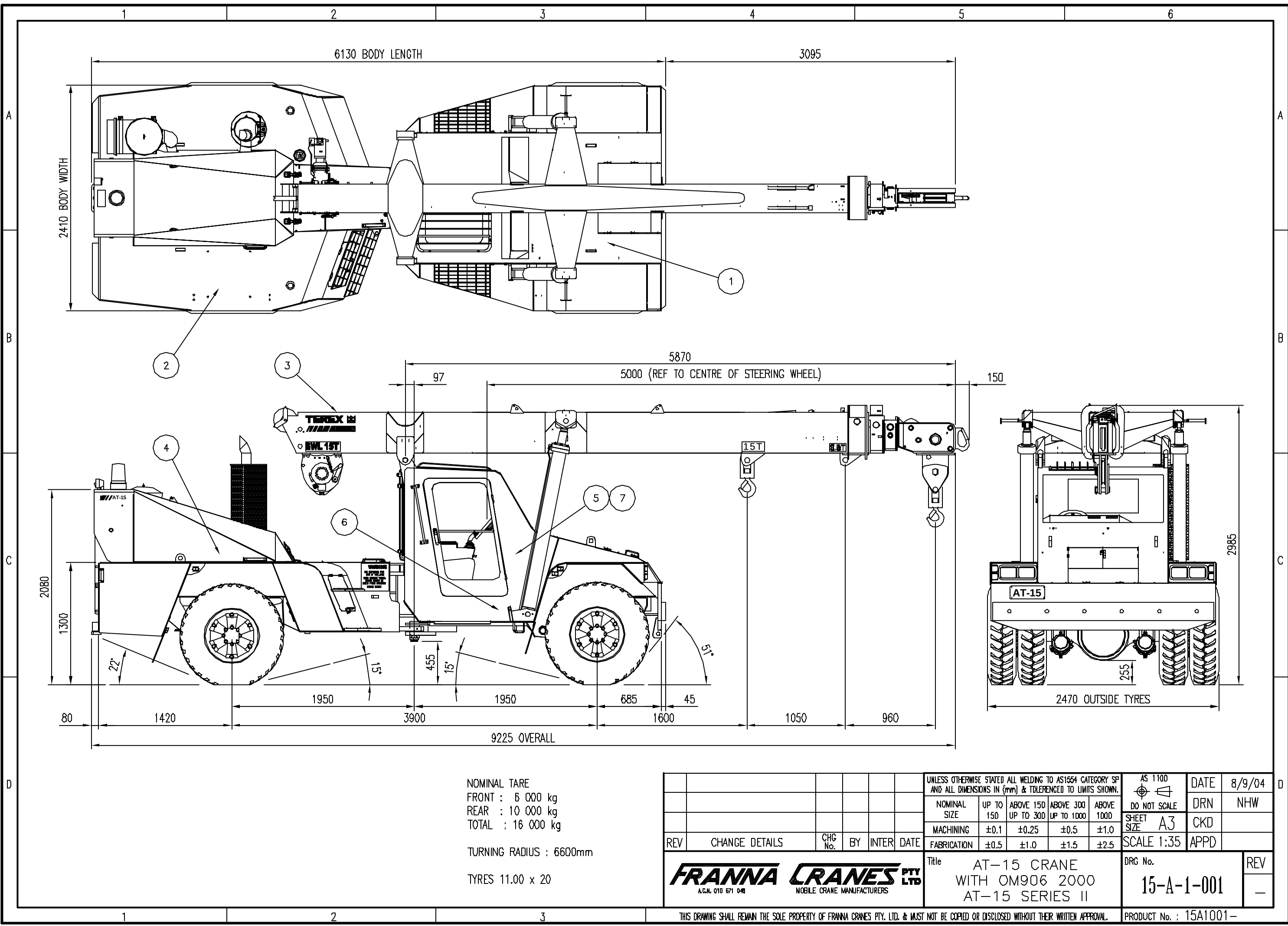
FUEL TANK:

330 Litres

HYDRAULIC TANK:

120 Litres with remote return filter and in tank suction filters.





NOMINAL TARE
FRONT : 6 000 kg
REAR : 10 000 kg
TOTAL : 16 000 kg

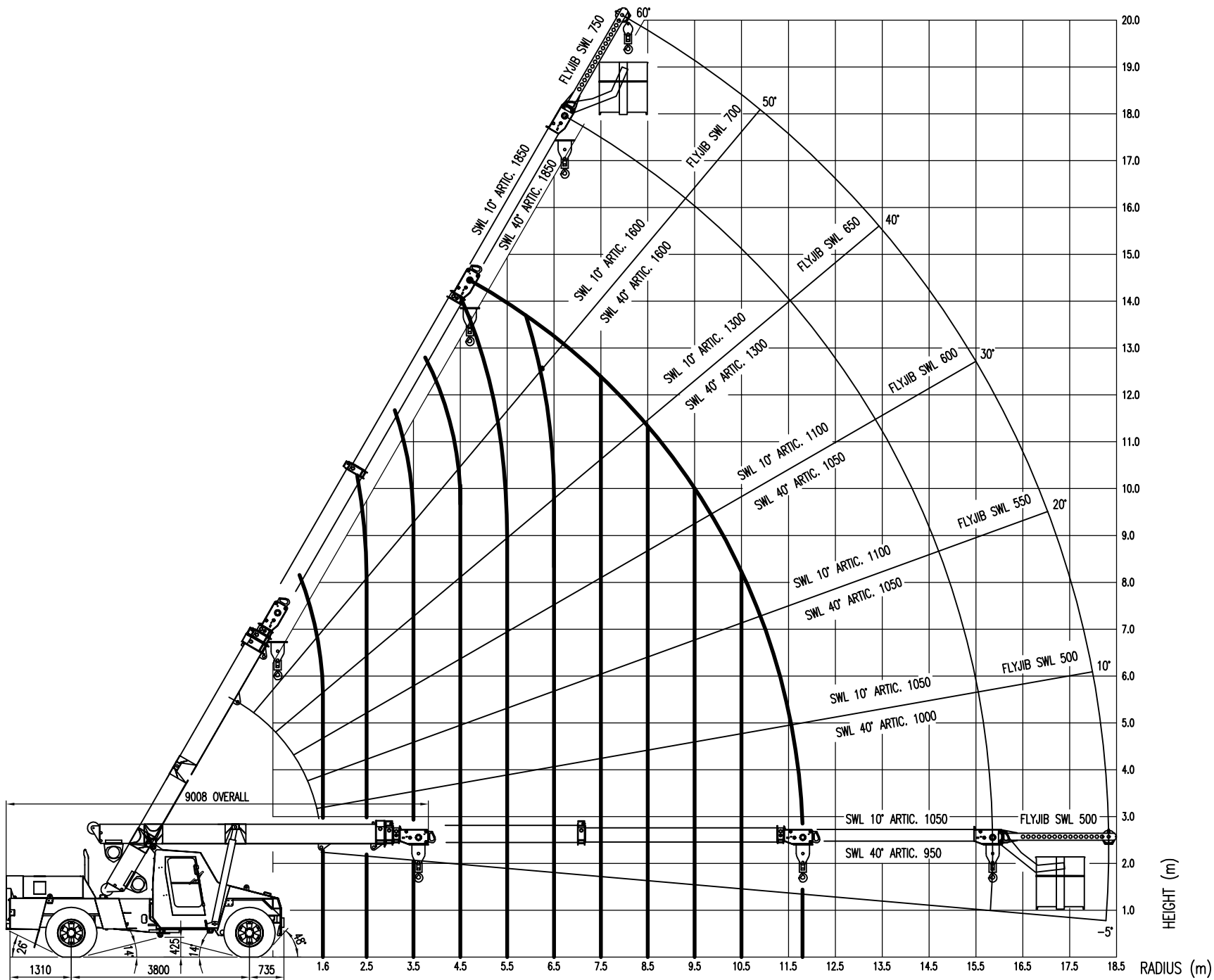
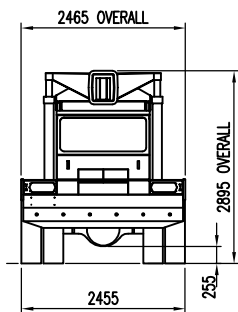
TURNING RADIUS : 6600mm

TYRES 11.00 x 20

				UNLESS OTHERWISE STATED ALL WELDING TO AS1554 CATEGORY SP AND ALL DIMENSIONS IN (mm) & TOLERENCED TO LIMITS SHOWN.				AS 1100 DO NOT SCALE	DATE	8/9/04
				NOMINAL SIZE	UP TO 150	ABOVE 150 UP TO 300	ABOVE 300 UP TO 1000	ABOVE 1000	DRN	NHW
				MACHINING	±0.1	±0.25	±0.5	±1.0	CKD	
				FABRICATION	±0.5	±1.0	±1.5	±2.5	APPD	
REV	CHANGE DETAILS	CHG No.	BY	INTER	DATE	Title			DRG No.	REV
						AT-15 CRANE WITH OM906 2000 AT-15 SERIES II			15-A-1-001	-

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PRODUCT No. : 15A1001-



15000	9800	7200	5400	4300	3500	2900	2400	2100	1800	1550	SWL (KG)	10° ART.	10 TONNE REAR AXLE
14000	8800	6300	4800	3800	3000	2500	2100	1800	1600	1350	SWL (KG)	40° ART.	

C1406-/3-3

RADIUS	BOOM LENGTH (m)																	
	5.66	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	13.86
1.6	10500	10500	10500	10500	10500													
	10500	10500	10500	10500	10500													
	48	50	54	57	59													
2.0	10500	10500	10500	10500	10500	10500	10500											
	10500	10500	10500	10500	10500	10500	10500											
	42	46	50	53	56	58	60											
2.5	10400	10350	10350	10350	10350	10350	10350	9950	9550									
	9250	9250	9250	9250	9250	9250	9250	9200	9200									
	34	39	44	48	51	54	56	58	60									
3.0	8500	8500	8500	8500	8500	8500	8500	8500	8500	8300	7350							
	7600	7600	7600	7600	7600	7550	7550	7550	7550	7550	7350							
	25	31	37	42	46	49	52	55	57	58	60							
3.5	7200	7200	7200	7200	7200	7200	7150	7150	7150	7150	6750	5950	5650					
	6400	6400	6400	6400	6400	6400	6400	6400	6350	6350	6350	5950	5650					
	9	20	30	36	41	45	48	51	53	55	57	59	60					
4.0	6950	6250	6200	6200	6200	6200	6200	6200	6200	6150	6150	5500	5250	5000	4800			
	6150	5550	5500	5500	5500	5500	5500	5500	5500	5500	5500	5450	5250	5000	4800			
	(3.61)	(3.95)	20	28	35	39	43	46	49	52	54	56	57	59	60			
4.5			5450	5400	5400	5400	5400	5400	5400	5400	5400	5150	4900	4650	4500	4300	4150	
			4850	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4650	4500	4300	4150	
			(4.45)	19	28	34	38	42	45	48	50	52	54	56	57	59	60	
5.0				4850	4800	4800	4800	4800	4800	4800	4800	4800	4550	4350	4200	4050	3900	3800
				4300	4250	4250	4250	4250	4250	4250	4250	4250	4250	4200	4200	4050	3900	3800
				(4.95)	18	27	33	37	41	44	47	49	51	53	55	56	58	59
6.0					4300	3900	3850	3850	3850	3850	3850	3850	3850	3850	3700	3550	3300	3200
					3800	3450	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3300	3200
					(5.45)	(5.95)	17	25	31	35	39	42	45	47	49	51	52	54
7.0							3550	3200	3200	3200	3200	3200	3200	3200	3200	3050	2950	2850
							3100	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800
							(6.45)	(6.95)	16	24	29	34	37	40	43	45	47	48
8.0									2950	2700	2700	2700	2700	2700	2700	2700	2650	2600
									2600	2350	2350	2350	2350	2350	2350	2350	2350	2350
									(7.45)	(7.95)	16	23	28	32	36	38	41	43
9.0											2500	2300	2300	2300	2300	2300	2300	2300
											2200	2000	2000	2000	2000	2000	2000	2000
											(8.45)	(8.95)	15	22	27	31	34	36
10.0													2150	2000	2000	2000	2000	2000
													1850	1750	1750	1750	1750	1750
													(9.45)	(9.95)	14	21	26	29
11.0															1900	1750	1750	1750
															1600	1500	1500	1500
															(10.45)	(10.95)	14	19
11.81																	1650	1550
																	1400	1350
																	(11.45)	(11.81)

RC (KG) LESS THAN 10 DEG ARTICULATION
 RC (KG) GREATER THAN 10 DEG ARTICULATION
 BOOM ANGLE OR (RADIUS AT 0 DEG BOOM ANGLE)

Weight of slings & hook block to be added to load
 Read and understand warning notes before operating crane
 Loads above bold red line are structural

LMI Duty
 Lifting on WINCH

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