

OPERATING CONDITIONS

- OPERATING RADIUS IS HORIZONTAL DISTANCE FROM CENTRELINE OF ROTATION TO A VERTICAL LINE PASSING THROUGH THE GRAVITY CENTRE OF THE LOAD.
- THE CRANE RATINGS INCLUDE WEIGHT OF HOOK, BLOCK, SLINGS AND ALL OTHER LOAD HANDLING ACCESSORIES.

WEIGHT OF HOOK BLOCKS :	60 TON (MAIN)	544 KG
	135 TON (MAIN)	1542 KG
	10 TON (FLY)	584 KG

- RATINGS ARE CONTINGENT ON THE MACHINE BEING EQUIPPED WITH FIVE (5) PIECE 40550 KG COUNTERWEIGHT ON THE MACHINERY DECK AND 10330 KG CARRIER BUMPER MOUNTED COUNTERWEIGHT. ALL OUTRIGGERS TO BE EXTENDED TO A FULCRUM POINT 3.51 M (11'-6") FROM CENTRE OF ROTATION AND MACHINE STANDING ON A FIRM LEVEL AND UNIFORMLY SUPPORTING SURFACE. LOADS TO BE FREELY SUSPENDED.

- BOOM TO BE RIGGED AS SPECIFIED IN RIGGING CHART WITH NUMBER OF PARTS OF HOIST LINE NOT EXCEEDING THE MAXIMUM SHOWN ON THE RATING PLATE. ROPE TYPES TO BE AS BELOW :

MAIN HOIST	42 MM 34 X 7	1200 KN GBS
FLY HOIST	24 MM 34 X 7	392 KN GBS
LUFF	32 MM 6 X 16	598 KN GBS

- FOR LIFTS OVER THE REAR WITH JIB LENGTHS LESS THAN 36.58 M (120'), BUMPER JACKS MUST BE EXTENDED TO PREVENT FORWARD TIPPING.
- REFER SIDE LIFT RATING PLATE FOR SIDE LIFT CAPACITIES.
- AREAS ON THE RATING PLATE WHERE NO RATINGS ARE SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

LIFTS OVER FRONT

- FOR LIFTS OVER FRONT OF CARRIER WITH OUTRIGGERS FULLY EXTENDED AND SET ALL RATED LOADS SHOWN ON RATING PLATE FOR REAR LIFTS MUST BE REDUCED BY 60%.
- UNDER NO CIRCUMSTANCES ARE THE BUMPER JACKS TO BE USED TO INCREASE THE LIFTING CAPACITY OF OVER THE FRONT OF THE CRANE.

OPERATION WITH FLY JIB ATTACHED

- THE FOLLOWING PROCEDURE MUST BE USED TO DETERMINE THE FLY JIB CAPACITY FOR BOTH SIDE AND REAR LIFTS.
 - DETERMINE FLY ANGLE TO GROUND BY DEDUCTING FLY ANGLE (10° OR 30°) FROM THE BOOM ANGLE TO GROUND.
 - ADD LENGTH OF BOOM TO LENGTH OF FLY FITTED.
 - DETERMINE BOOM LOAD FROM BOOM RATING CHART USING THE FIGURES FROM 10.1, 10.2.
 - FLY CAPACITY IS EQUAL TO THIS BOOM CAPACITY LESS THE WEIGHT OF THE FLY JIB, AND MAIN HOOK BLOCK UNLESS RESTRICTED BY THE MAXIMUM FLY CAPACITIES BELOW. SEE NOTE 12 FOR FLY JIB WEIGHTS.

4989 KG IN SINGLE FALL FOR ALL FLY JIB LENGTHS
9979 KG IN DOUBLE FALL 9.15 M (30 FT) LENGTH ONLY.

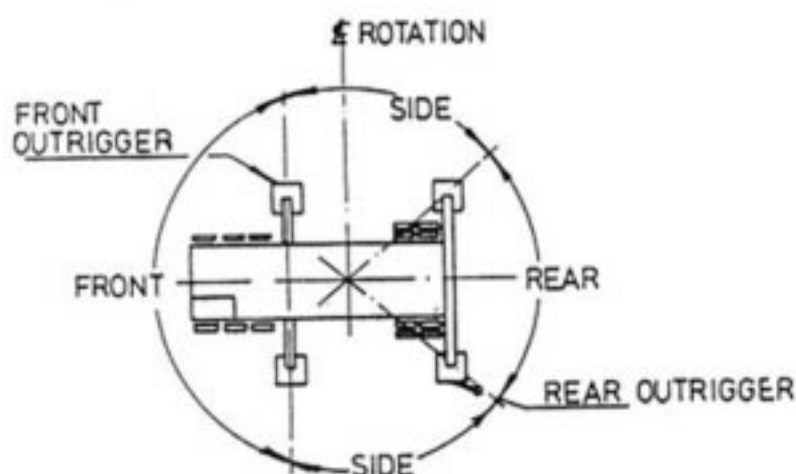
- FOR COMBINED MAIN BOOM AND FLY JIB LENGTHS GREATER THAN 88.39 M (290 FT) SEE SEPARATE FLY RATING BELOW. PROCEDURE IN NOTE 10 TO BE USED.

- WHEN USING THE MAIN HOIST WITH THE FLY JIB FITTED, DEDUCT FROM THE MAIN BOOM RATED LIFT

1596 KG FOR 18.29 M (60 FT) FLY
1290 KG FOR 9.15 M (30 FT) FLY.

ERECTION AND TRAVELLING ON SITE

- WHEN ERECTING THE MAIN BOOM WITH FLY JIB FITTED MAIN HOIST AND FLY HOIST ARE TO BE RELEASED SO THAT THE HOOKS REMAIN ON THE GROUND AND THEIR WEIGHTS ARE NOT CARRIED UNTIL THE MAXIMUM WORKING RADIUS FOR THE BOOM/JIB COMBINATION IS REACHED.
- THE PROCEDURE IN 13 IS ALSO TO BE USED WHEN THE LENGTH OF MAIN JIB WITHOUT FLY EXCEEDS 82.29M. (260FT)
- THE CRANE MAY NOT BE MOVED ON SITE IF THE TOTAL BOOM AND JIB LENGTH EXCEEDS 51.82 M (170 FT).
- THE CRANE MAY ONLY BE MOVED ON SITE WITH BOOM CENTRALLY LOCATED OVER THE REAR OF THE CARRIER AT LEAST 70° ELEVATION AT A SPEED OF LESS THAN 2 KPH.
- AT ALL TIMES THE BUMPER COUNTERWEIGHT MUST BE REMOVED WHEN TRAVELLING.



WITH OUTRIGGERS FULLY EXTENDED & SET

NOTE:- OPERATION OF THIS CRANE IN EXCESS OF RATED LOADS AND DISREGARD OF INSTRUCTIONS VOIDS THE WARRANTY

FLY JIB RATINGS IN KILOGRAMS									
FLY ANGLE TO GROUND	LIFTS OVER REAR				FLY ANGLE TO GROUND	LIFTS OVER SIDE			
	TOTAL LENGTH OF MAIN BOOM + FLY JIB					TOTAL LENGTH OF MAIN BOOM + FLY JIB			
	METRES FEET					METRES FEET			
	91.44 300	94.49 310	97.54 320	100.58 330		91.44 300	94.49 310	97.54 320	
70	6 750	6 550	6 350	5 000	70	4 450	4 250	4 000	
68	5 650	5 400	5 200	4 050	68	3 500	3 300	2 750	
66	4 650	4 450	4 250	3 250	66	2 700	2 500	2 000	
64	4 050	3 650	3 450	2 550	64	2 050			
62	3 500	3 300	2 750	2 000					
60	2 850	2 650	2 100						
58	2 250								

- MAXIMUM BOOM LENGTHS CRANE CAN LIFT OFF GROUND WHEN FITTED WITH ONE PIECE 10333 KG CARRIER BUMPER COUNTERWEIGHT WITH CRANE MOUNTED ON OUTRIGGERS.

	BOOM ONLY	BOOM & FLY JIB
BOOM OVER REAR	260 FT	250 FT + 60 FT
BOOM OVER SIDE	250 FT	230 FT + 60 FT

END LENGTHS EXCEEDING THOSE SHOWN ABOVE AN ADDITIONAL 7320 KG BUMPER COUNTERWEIGHT IS REQUIRED