



LOADINGS AT SLEW RING @ (A)
 MAXIMUM DYNAMIC MOMENT = 7100 METRE TONNES
 CORRESPONDING AXIAL LOAD = 630 TONNES
 MAXIMUM AXIAL LOAD = 677.6 TONNES
 CORRESPONDING DYNAMIC MOMENT = 5900 METRE TONNES

DESIGN LOADINGS AT PEDESTAL ADAPTOR @ (B)
 (INCLUDES PEDESTAL FACTOR 1.5, IN ACCORDANCE WITH API 2C)
 MAXIMUM DYNAMIC MOMENT = 9350 METRE TONNES
 CORRESPONDING AXIAL LOAD = 565.4 TONNES
 CORRESPONDING RADIAL LOAD = 60 TONNES

DESIGN LOADINGS AT CLIENTS SUPPORT STRUCTURE @ (C)
 (INCLUDES PEDESTAL FACTOR 1.5, IN ACCORDANCE WITH API 2C)
 MAXIMUM DYNAMIC MOMENT = 9530 METRE TONNES
 CORRESPONDING AXIAL LOAD = 590 TONNES
 CORRESPONDING RADIAL LOAD = 60 TONNES

COMPONENT WEIGHTS

MACHINERY DECK ASSEMBLY = -193 TONNES

MACHINERY DECK = 96 TONNES
 MACHINERY HOUSE = 10 TONNES
 HOIST/LUFF WINCH ASSEMBLY = 26 TONNES
 FLY WINCH ASSEMBLY = 4 TONNES
 WIRE ROPES (HOIST/LUFF/FLY) = 18.0 TONNES
 POWERPACK ASSEMBLY = 5 TONNES
 SLEW RING AND DRIVE ASSEMBLY = 24.0 TONNES
 CABIN ASSEMBLY = 1.5 TONNES
 PLATFORMS, HANDRAILS & LADDERS = 5.5 TONNES
 MISCELLANEOUS ITEMS = 3.0 TONNES

PEDESTAL ASSEMBLY = 26 TONNES
 MAST ASSEMBLY = 45 TONNES
 BOOM ASSEMBLY = 52.0 TONNES
 LUFF BRIDLE & PENDANT ASSEMBLY = 7.6 TONNES

300 TONNE SIX FALL HOOK ASSEMBLY = 8 TONNES
16 TONNE SINGLE FALL HOOK ASSEMBLY = 0.9 TONNES

NOTES

- THIS CRANE IS DESIGNED & BUILT IN ACCORDANCE WITH API-2C 7th EDITION
- NO COUNTERWEIGHT FITTED TO CRANE.
- RADIUS IN METRES.
- RATED LOAD IS IN TONNES AND IS THE LOAD BELOW THE HOOK.
- MAIN HOIST IS REEVED IN SIX FALLS.
- AUXILIARY HOIST IS REEVED IN SINGLE FALL.

TECHNICAL DATA

MAIN HOIST:
 SIX FALLS 300 TONNE @ 0 - 4.0 m/min.
 SIX FALLS 250 TONNE @ 0 - 6.0 m/min.

AUXILIARY HOIST
 ONE FALL 16 TONNE @ 0 - 30.0 m/min.

LUFFING - MAX TO MIN RADIUS 280 sec. (APPROX.)
 SLEWING - 0.23 RPM
 PRIME MOVER: CATERPILLAR C32 - 651 KW (873 BHP) @ 2100 RPM

29/10/15	UPDATE WITH FINAL BOOM, DECK AND MAST & BOOM REST LOCATION & TAIL RADIUS	EA15-0965	C
Date	Description	ECN Number	Rev
TOLERANCES			
Machined Dimensions: Tolerances required UNO.			
≤30 ±0.2	>30 - ≤100 ±0.3	>100 - ≤300 ±0.5	>300 - ≤1000 ±0.8
Structural Components: Tolerances required UNO.			
≤1000 ±1	>1000 - ≤2000 ±2	>2000 - ≤3000 ±3	>3000 - ≤6000 ±4
>6000 - ≤9000 ±5			
FAVELLE FAVCO 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			
GENERAL ARRANGEMENT -			
Drawn: A.I	Draft Checked: BL	Eng Checked: BL	Approved: JPD
Weight: 333.0 T	First Used On S/No: 2146-47	Scale: 1:125	Sheet: 1 OF 2
Drawing Number: A1000-0698			

PC250 LOAD CHART
48.84m BOOM
MAIN HOIST - 6 FALLS

RADIUS (METRES)	BOOM ANGLE (DEGREES)	WORKING LOAD LIMIT - SUPPORTED ON HOOK							
		SWH 0.5m		SWH 1.0m		SWH 1.5m		SWH 2.0m	
		ONBOARD	OFFBOARD	ONBOARD	OFFBOARD	ONBOARD	OFFBOARD	ONBOARD	OFFBOARD
12.0	80.8	300.0	300.0	250.0	250.0	240.0	160.0	200.0	80.0
14.0	78.4	271.7	271.6	250.0	250.0	240.0	160.0	200.0	80.0
15.0	77.2	252.6	252.5	246.3	246.2	228.8	160.0	200.0	80.0
16.0	76.0	235.6	235.5	230.0	229.9	214.4	160.0	199.8	80.0
18.0	73.6	206.8	206.8	202.3	202.3	189.6	159.4	177.7	80.0
20.0	71.1	183.3	183.3	179.7	179.6	169.2	141.6	159.2	80.0
22.0	68.6	163.8	163.8	160.8	160.7	152.0	126.9	143.6	80.0
24.0	66.0	147.4	147.4	144.8	144.8	137.4	114.3	130.2	80.0
25.0	64.7	140.1	140.1	137.7	137.7	130.8	108.8	124.2	80.0
26.0	63.3	133.3	133.3	131.1	131.1	124.8	103.7	118.6	78.4
28.0	60.7	121.1	121.1	119.3	119.3	113.8	94.5	108.5	71.4
30.0	57.9	110.5	110.5	108.9	108.9	104.2	86.6	99.6	65.3
32.0	55.0	101.2	101.2	99.8	99.8	95.7	79.7	91.7	59.9
34.0	52.0	92.9	92.9	91.7	91.7	88.2	73.8	84.6	55.5
36.0	48.9	85.6	85.6	84.5	84.5	81.4	68.6	78.3	51.5
38.0	45.7	79.0	79.0	78.1	78.1	75.3	64.1	72.6	48.2
40.0	42.2	73.1	73.1	72.3	72.3	69.9	60.0	67.5	45.2
42.0	38.4	67.7	67.7	67.0	67.0	65.0	56.7	62.9	42.8
44.0	34.3	62.9	62.9	62.3	62.3	60.5	53.8	58.8	40.8
46.0	29.7	58.5	58.5	58.0	58.0	56.5	51.5	55.0	39.3
48.0	24.2	54.6	54.6	54.2	54.2	52.9	49.8	51.7	38.4
50.0	17.1	51.1	51.1	50.8	50.8	49.9	44.3	49.0	34.6

AUXILIARY HOIST 16 TONNES @ ALL RADII @ ALL CONDITION
AUXILIARY PERSONNEL LIFT 2 TONNES @ ALL RADII @ ALL CONDITION

MAX OPERATING WIND SPEED 18m/sec
MAX HEEL/ TRIM 2.5/1.0 DEGREE

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Title GENERAL ARRAGEMENT			
Drawn A.I	Draft Checked BL	Eng Checked BL	Approved JPD Scale: NTS Sheet: 2 OF 2
Weight 333.0 T		First Used On S/No. 2146-47	Drawing Number A1000-0698

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