P&H MODEL 670–TC 65 TONNE TRUCK CRANE – CLASS 3

WITH OUTRIGGERS

RATED CRANE LOADS IN KILOGRAMS – MAIN BOOM

OPER. RAD. (M)	12.2M BOOM ANGLE	12.2M BOOM PT. EL	12.2M BOOM RATING KGS.	15.2M BOOM ANGLE	15.2M BOOM PT. EL	15.2M BOOM RATING KGS.	18.3M BOOM ANGLE	18.3M BOOM PT. EL	18.3M BOOM RATING KGS.	21.3M BOOM ANGLE	21.3M BOOM PT. EL	21.3M BOOM RATING KGS.	24.4M BOOM ANGLE	24.4M BOOM PT. EL	24.4M BOOM RATING KGS.	27.4M BOOM ANGLE	27.4M BOOM PT. EL	27.4M BOOM RATING KGS.	30.5M BOOM ANGLE	30.5M BOOM PT. EL	30.5M BOOM RATING KGS.	33.5M BOOM ANGLE	33.5M BOOM PT. EL	33.5M BOOM RATING KGS.	36.6M BOOM ANGLE	36.6M BOOM PT. EL	36.6M BOOM RATING KGS.	39.6M BOOM ANGLE	39.6M BOOM PT. EL	39.6M BOOM RATING KGS.	42.7M BOOM ANGLE	42.7M BOOM PT. EL	42.7M BOOM RATING KGS.	45.7M BOOM ANGLE	45.7M BOOM PT. EL	45.7M BOOM RATING KGS.	48.8M BOOM ANGLE	48.8M BOOM PT. EL	48.8M BOOM RATING KGS.	51.8M BOOM ANGLE	51.8M BOOM PT. EL	51.8M BOOM RATING KGS.	54.9M BOOM ANGLE	54.9M BOOM PT. EL	54.9M BOOM RATING KGS.	OPER. RAD. (M)
3.5	80	14.5	65 000																																													3.5
4.6	74	14.3	60 800	78	17.4	58 400																																											4.6
6.1	67	13.7	48 500	72	17.0	48 400	75	20.2	45 600	77	23.3	42 800																																					6.1
7.6	59	13.0	36 300	66	16.4	36 100	70	19.7	36 000	73	22.9	35 900	75	26.1	32 300	77	29.2	30 600	78	32.3	28 100																											7.6
9.1	50	11.8	26 800	59	15.6	26 600	65	19.1	26 500	68	22.4	26 300	71	25.6	26 200	73	28.8	26 100	75	32.0	25 900	77	35.1	25 300	76	38.3	24 800																					9.1
10.7	39	10.2	21 100	52	14.5	21 000	59	18.2	20 900	64	21.7	20 700	67	25.1	20 600	70	28.3	20 500	72	31.5	20 300	74	34.7	20 200	75	37.9	20 000	76	41.0	19 400	77	44.1	18 900															10.7
12.2	26	7.7	17 400	44	13.1	17 200	53	17.2	17 100	59	20.9	17 000	63	24.4	16 800	67	27.7	16 700	69	31.0	16 600	71	34.2	16 400	73	37.5	16 300	74	40.6	16 100	75	43.8	16 000	76	46.9	15 600	77	50.0	15 200							12.2
13.7				35	11.2	14 100	47	15.9	13 900	54	19.9	13 800	59	23.5	13 700	63	27.0	13 500	66	30.4	13 400	68	33.7	13 200	70	36.9	13 100	72	40.2	13 000	73	43.3	12 800	74	46.5	12 700	75	49.7	12 600	76	52.8	11 700	77	56.0	10 800	13.7
15.2				23	8.3	12 200	40	14.3	12 000	49	18.7	11 900	55	22.5	11 700	59	26.2	11 600	63	29.6	11 500	65	33.0	11 300	68	36.4	11 200	69	39.6	11 100	71	42.9	10 900	72	46.1	10 800	73	49.3	10 700	74	52.4	10 300	75	55.6	10 100	15.2
18.3							21	8.9	9 300	37	15.3	9 200	46	20.0	9 000	52	24.0	8 900	56	27.8	8 800	60	31.5	8 600	62	34.9	8 500	65	38.3	8 300	67	41.7	8 200	68	45.0	8 100	70	48.2	7 900	71	51.5	7 800	72	54.7	7 700	18.3
21.3										19	9.4	7 300	34	16.3	7 200	43	21.2	7 100	49	25.5	6 900	53	29.4	6 800	57	33.1	6 700	60	36.6	6 500	62	40.2	6 400	64	43.6	6 300	66	47.0	6 100	67	50.3	6 000	68	53.6	5 900	21.3
24.4													18	9.8	5 900	32	17.2	5 800	41	22.3	5 700	46	26.8	5 500	51	30.9	5 400	54	34.7	5 300	57	38.4	5 100	60	42.0	5 000	62	45.5	4 850	64	48.9	4 700	65	52.3	4 600	24.4
27.4																17	10.3	4 850	31	18.0	4 700	39	23.4	4 600	44	28.1	4 450	49	32.3	4 300	52	36.2	4 150	55	40.1	4 050	58	43.7	3 900	60	47.3	3 750	62	50.8	3 650	27.4
30.5																			16	10.7	3 950	29	18.8	3 800	37	24.5	3 650	42	29.3	3 550	47	33.6	3 400	50	37.7	3 250	53	41.6	3 150	56	45.4	3 000	58	49.0	2 850	30.5
33.5																						15	11.1	3 250	28	19.6	3 150	35	25.5	3 000	41	30.4	2 850	45	34.9	2 700	48	39.1	2 600	51	43.1	2 450	54	46.9	2 300	33.5
36.6																									14	11.5	2 650	27	20.3	2 500	34	26.4	2 350	39	31.5	2 200	44	36.1	2 100	47	40.4	1 950	50	44.5	1 800	36.6
39.6																												14	11.9	2 100	26	21.0	1 950	33	27.3	1 800	38	32.6	1 700	42	37.3	1 540	46	41.8	1 410	39.6
42.7																															13	12.2	1 650	25	21.7	1 500	32	28.2	1 360	37	33.6	1 220	41	38.5	1 090	42.7
45.7																																		12	12.6	1 130	24	22.3	1 000	31	29.0	860	36	34.6	730	45.7

WITHOUT OUTRIGGERS

OPER. RAD. (M)	12.2M BOOM OVER SIDE	12.2M BOOM OVER REAR	15.2M BOOM OVER SIDE	15.2M BOOM OVER REAR	18.3M BOOM OVER SIDE	18.3M BOOM OVER REAR	21.3M BOOM OVER SIDE	21.3M BOOM OVER REAR	24.4M BOOM OVER SIDE	24.4M BOOM OVER REAR	27.4M BOOM OVER SIDE	27.4M BOOM OVER REAR	30.5M BOOM OVER SIDE	30.5M BOOM OVER REAR	33.5M BOOM OVER SIDE	33.5M BOOM OVER REAR	36.6M BOOM OVER SIDE	36.6M BOOM OVER REAR	OPER. RAD. (M)
3.7	34 900	40 600																																													3.7
4.6	24 500	29 400	24 400	29 300																																												4.6
6.1	16 600	19 900	16 500	19 700	16 400	19 500	16 200	19 400																																								6.1
7.6	11 900	15 100	11 800	15 000	11 600	14 800	11 500	14 600	11 300	14 400	11 200	14 200	11 100	14 100																																			7.6
9.1	9 700	12 000	9 500	11 800	9 400	11 600	9 300	11 400	9 100	11 200	9 000	11 100	8 800	10 900	8 700	10 700	8 600	10 500																																	9.1
10.7	8 700	9 800	8 500	9 700	8 400	9 500	8 300	9 300	8 100	9 100	8 000	8 900	7 800	8 800	7 700	8 600	7 600	8 400																																	10.7
12.2	7 000	8 300	6 800	8 100	6 700	7 900	6 600	7 800	6 400	7 600	6 300	7 400	6 200	7 200	6 000	7 000	5 900	6 800																																	12.2
13.7			5 400	7 000	5 300	6 800	5 100	6 600	5 000	6 400	4 850	6 300	4 700	6 100	4 600	5 900	4 450	5 700																																	13.7
15.2			4 650	6 100	4 500	5 900	4 350	5 700	4 200	5 500	4 100	5 400	3 950	5 200	3 800	5 000	3 650	4 800																																	15.2
18.3					3 350	4 600	3 200	4 400	3 100	4 200	2 950	4 050	2 800	3 850	2 700	3 650	2 550	3 500																																	18.3
21.3							2 450	3 450	2 300	3 300	2 200	3 100	2 050	2 950	1 900	2 750	1 750	2 550																																	21.3
24.4									1 700	2 600	1 600	2 400	1 450	2 200	1 320	2 050	1 180	1 850																																	24.4
27.4											1 180	1 900	1 040	1 700	910	1 550	770	1 360																																	27.4
30.5													730	1 360	590	1 180	450	980																															30.5

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM CENTRELINE OF ROTATION TO A VERTICAL LINE THROUGH THE GRAVITY CENTRE OF THE LOAD. GROSS CRANE RATINGS SHOWN ARE FOR UNITS MOUNTED ON P&H STANDARD 670 CRANE CARRIER AND CONFORM TO CB.2 1960 AMDT.3. RATINGS AT 7.6M OR LESS WITH OUTRIGGERS ARE BASED ON STRENGTH OF MATERIALS. THE CRANE RATINGS INCLUDE WEIGHT OF HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES. RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS EXTENDED TO A FULCRUM POINT 3.1M FROM CENTRE OF CARRIER. RATINGS WITHOUT OUTRIGGERS DEPEND UPON PROPER INFLATION, CAPACITY, AND CONDITION OF TYRES.

GANTRY MUST BE IN RAISED POSITION FOR ALL CONDITION EXCEPT AS FOLLOWS: CRANE OPERATION AT RATED CAPACITY WITH GANTRY LOWERED IS ALLOWABLE WITH BOOM LENGTHS 21.3M OR LESS, AT WORKING ANGLES 30° OR MORE ABOVE HORIZONTAL. STANDARD BOOM HOIST REEVING : 10 PART LINE. RATINGS ARE BASED ON COUNTERWEIGHT OF 10 900KGS. CENTRE HITCH REQUIRED FOR BOOM LENGTHS 39.6M AND OVER. RATINGS SHOWN ARE BASED UPON BOOM INSERT ARRANGEMENT SHOWN IN THE CARE AND OPERATION MANUAL.

WHEN BOOM IS EQUIPPED WITH JIB, MAIN HOOK RATINGS SHOULD BE REDUCED BY 680KGS. FOR 6.1M OR 9.1M JIB; 910KGS. FOR 12.2M JIB; 1130KGS. FOR 15.2M JIB; AND 1360KGS. FOR 18.3M JIB.

RATINGS ON OUTRIGGERS APPLY TO LIFTS OVER SIDES AND REAR ONLY. BOOM AND JIB LENGTH COMBINATIONS GREATER THAN 48.8M REQUIRE FRONT BUMPER COUNTERWEIGHT.

NUMBER OF PARTS OF MAIN HOIST REEVING	1	2	3	4	5	6	7	8
MAXIMUM LOAD – KGS.	8 200	16 400	24 600	32 800	41 000	49 200	57 400	65 000

RATED LOAD IN KILOGRAMS – MAIN BOOM						
OPER. RAD. (M)	CLAMSHELL 12.2M BOOM	CLAMSHELL 15.2M BOOM	CLAMSHELL 18.3M BOOM	DRAGLINE 12.2M BOOM	DRAGLINE 15.2M BOOM	DRAGLINE 18.3M BOOM
6.1	6 300					
7.6	6 300	6 300				
9.1	6 300	6 300	6 300			
10.7	6 300	6 300	6 300	5 400		
12.2		5 700	5 600	5 400		
13.7		4 850	4 750		5 400	
15.2			4 150		4 700	4 600
18.3						3 600

CLAMSHELL RATINGS SHOWN ALSO APPLY TO MAGNET, GRAPPLE AND ALL OTHER MATERIAL HANDLING BUCKETS EXCEPT DRAGLINE WHICH IS RATED SEPERATELY. FOR CLAMSHELL, DRAGLINE AND MAGNET OPERATIONS, THE WEIGHT OF BUCKET OR MAGNET IS CONSIDERED A PART OF THE LOAD AND THE TOTAL WEIGHT OF BUCKET PLUS CONTENTS OR MAGNET PLUS LOAD MUST NOT EXCEED THE CORRESPONDING RATINGS SHOWN. MAXIMUM ALLOWABLE SIZE OF DRAGLINE OR CLAMSHELL BUCKET IS 1.5 CUBIC METRES.

WEIGHT OF LOAD HANDLING ACCESSORIES	
SINGLE SHEAVE HOOK BLOCK	200 KGS.
FOUR SHEAVE HOOK BLOCK	790 KGS.
CLAMSHELL OR DRAGLINE BUCKET	DEPENDS ON SIZE AND MAKE

MAXIMUM BOOM LENGTH TO LIFT OFF GROUND				
	WITH OUTRIGGERS		WITHOUT OUTRIGGERS	
	BOOM ONLY	BOOM & JIB	BOOM ONLY	BOOM & JIB
SIDE			36.6M	
REAR	54.9M	48.8M+18.3M		

JIB CRANE RATINGS AT ANY RADIUS FROM CENTRE OF ROTATION IS THE SAME AS CRANE RATING SHOWN IN TABLE FOR MAIN BOOM WHEN OPERATED AT THAT RADIUS BUT NOT TO EXCEED MAXIMUM JIB RATINGS SHOWN. FOR BUCKET RATINGS ON JIB DEDUCT 20% FROM JIB RATINGS. MAXIMUM JIB OPERATING RADIUS NOT TO EXCEED LENGTH OF MAIN BOOM ON WHICH IT IS BEING USED. USE OF OUTRIGGERS RECOMMENDED WHEN BOOM IS EQUIPPED WITH JIB.

BACKSTOPS RECOMMENDED FOR ALL BOOM LENGTHS. AT RADII AND BOOM LENGTHS WHERE NO RATINGS ARE SHOWN ON PLATE, OPERATION IS NOT INTENDED OR APPROVED. RATINGS ARE BASED UPON FREELY SUSPENDED LOADS AND MACHINE STANDING ON FIRM, LEVEL, UNIFORMLY SUPPORTING SURFACE. SAFE LOADS DEPEND UPON GROUND CONDITIONS, BOOM LENGTH, RADIUS OF OPERATION, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE USER. RATINGS ARE CONTINGENT UPON MACHINE BEING EQUIPPED WITH PROPER BOOM.

OFFSET ANGLE JIB TO BOOM UNDER FULL LOAD	MAXIMUM JIB RATINGS: – KGS. 6.1M JIB	9.1M JIB	12.2M JIB	15.2M JIB	18.3M JIB
10°	7 300	6 800	5 400	4 100	2 700
20°	6 300	5 700	4 550	3 400	2 250
30° MAX.	5 400	4 550	3 650	2 700	1 800

P&H

CENTURY CONSTRUCTION EQUIPMENT P/L.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATED LOADS AND DISREGARD OF INSTRUCTIONS VOIDS WARRANTY

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