

P&H MODEL 670-S RATED CRANE LOAD IN KG-MAIN BOOM IN 360° WORK AREA WITH CRAWLERS FULLY EXTENDED

OPERATING RADIUS (m)	12.19m BOOM	15.24m BOOM	18.29m BOOM	21.34m BOOM	24.38m BOOM	27.43m BOOM	30.48m BOOM	33.53m BOOM	36.58m BOOM	39.62m BOOM	42.67m BOOM	45.72m BOOM	48.77m BOOM	51.82m BOOM	54.86m BOOM	OPERATING RADIUS (m)
3.5	70000															3.5
4	58000	57900														4
4.5	48800	48700														4.5
5	42100	42000	41900													5
6	32500	32400	32400	32300												6
7	26200	21600	25900	25800	25600	25500										7
8	21500	21400	21300	21100	21000	20900	20700									8
9	18100	18000	17900	17800	17700	17600	17500	17400	17300							9
10	15500	15400	15300	15200	15100	15000	14900	14800	14700	14600						10
12	12000	11900	11800	11700	11600	11600	11500	11500	11400	11300	11200	11100	11100			12
14		9800	9600	9400	9400	9300	9300	9200	9200	9100	9100	9000	8900	8800	8700	14
16			8100	7900	7800	7800	7700	7700	7600	7600	7500	7400	7300	7200	7100	16
18				6600	6600	6500	6500	6400	6400	6300	6200	6100	6100	6000	5900	18
20				5600	5500	5500	5400	5400	5300	5300	5200	5200	5100	5000	4900	20
25						3900	3800	3800	3800	3700	3600	3600	3500	3400	3300	25
30								2800	2800	2700	2600	2500	2500	2400	2300	30
35									1800	1800	1700	1700	1600	1600	1600	35

THIS CHART MEETS THE REQUIREMENTS OF "JAPANESE MOBILE CONSTRUCTION TYPE CRANE SAFETY CODE".

1. BE SURE TO OPERATE WITH CRAWLERS FULLY EXTENDED.
2. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION TO A VERTICAL LINE THROUGH THE CENTER OF GRAVITY OF THE LOAD.
3. RATINGS SHOWN DO NOT EXCEED 78% OF TIPPING LOAD UNDER THE CONDITION THAT THE MACHINE IS ON THE FIRM AND HORIZONTAL GROUND.
4. RATINGS SHOWN INCLUDE WEIGHT OF HOOK BLOCK(S), WIRE ROPES, AND ALL OTHER LOAD HANDLING ACCESSORIES.
5. GANTRY MUST BE IN RAISED POSITION FOR ALL OPERATING CONDITIONS.
6. WHEN 45.72m BOOM OR LONGER, INTERMEDIATE SUSPENSION ROPE(S) MUST BE USED.
7. BOOM INSERT MUST BE ARRANGED AS SHOWN IN THE BOOM MAKE-UP CHART.
8. WHEN BOOM EQUIPPED WITH JIB, MAIN HOOK RATING MUST BE REDUCED TO COMPENSATE FOR JIB ATTACHMENT WEIGHT
6.10m JIB, DEDUCT 500kg
12.19m JIB, DEDUCT 900kg
9. BACK STOP RECOMMENDED FOR ALL BOOM LENGTH

MAX. JIB RATINGS FOR LIFTING CRANE SERVICE-KG		
OFFSET ANGLE JIB TO BOOM (UNDER FULL LOAD)	6.10m JIB	12.19m JIB
30°	5450	3200

1. JIB CRANE RATING AT ANY RADIUS FROM CENTER 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.
2. JIB RATINGS SHOWN INCLUDE THE WEIGHT OF JIB HOOK AND MAIN HOOK.
3. MAXIMUM JIB OPERATING RADIUS IS LIMITED TO MAXIMUM RATED RADIUS OF BOOM LENGTH ON WHICH JIB IS MOUNTED.

MAXIMUM BOOM LENGTH TO LIFT OFF GROUND (CRAWLERS EXTENDED)		
	BOOM ONLY	BOOM & JIB
SIDE	51.82m	45.72m+12.19m
FRONT	54.86m	48.77m+12.19m 51.82m+ 6.10m

P&H WEIGHTS OF HOOK BLOCK			
5 SHEAVE (FOR 70 TON)	3 SHEAVE (FOR 40 TON)	1 SHEAVE (FOR 25 TON)	BALL HOOK (FOR 10 TON)
1200kg	700kg	500kg	250kg

NUMBER OF PARTS OF HOIST REEVING ROPE	MAX. HOIST LOAD-KG				
	1	2	3	4	5
1	7000	14000	21000	28000	35000
NUMBER OF PARTS OF HOIST REEVING ROPE	MAX. HOIST LOAD-KG				
	6	7	8	9	10
6	42000	49000	56000	63000	70000

NUMBER OF PARTS OF JIB HOIST REEVING ROPE	MAXIMUM HOIST LOAD-KG	
	1	2
1	5000	10000

MAX. BOOM LENGTH TO BE ATTACHED JIB	
BOOM	+ JIB
51.82m	+ 6.10m
48.77m	+ 12.19m

OPER. RADIUS (m)	RATED CRAMSHELL LOAD-KG				RATED DRAGLINE LOAD-KG			
	12.19m	15.24m	18.29m	21.34m	12.19m	15.24m	18.29m	21.34m
7	6350							
8	6350							
9	6350	6350						
10	6350	6350	6350		4500			
12	6350	6350	6350	6350	4500			
14		6350	6350	6350		4500		
16			6350	6350		4500	4500	
18				5900			4500	4500
20				5000				4200

1. ABOVE RATINGS ARE COMBINED WEIGHTS OF BUCKET AND MATERIAL.
2. ABOVE RATINGS OF "CLAMSHELL" CAN BE APPLIED TO "MAGNET", "GRAPPLE", ETC.