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TRUCK CRANE

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PHC250S-V

DIMENSION			
L x W x H		mm	12740 x 2575 x 3470
Wheelbase		mm	4635 + 1350
Gradeability		%	36
Max. Travel Speed		km/h	80
Braking Distance (At a speed of 30km/h)		m	≤8.5
Min. Ground Clearance		mm	240
Approach Angle		°	11
Departure Angle		°	14
Total Weight		kg	31600
AXLE LOAD			
1st Axle		kg	6950
2nd Axle		kg	12325/12325
ENGINE			
Model		SC7H290Q6	
Rated Power		kW/rpm	210/2300
Max. Output Torque		N.m/rpm	1000/1200~1700
Emission Standard		Euro VI	
Transmission Type		FAST 9JS119T-B+QH70	
MAIN PERFORMANCE			
Max. Rated Lifting Capacity		T	25
Min. Rated Working Radius		m	3
Tail Swing Radius		mm	3315
Max. Load Moment	Base Boom	kN.m	1051
	Full Extended Boom	kN.m	676
Outrigger Span	Longitudinal	m	5.5
	Lateral	m	6.42
Max. Lifting Height	Boom	m	10.7
	Fully-Extended Boom	m	42.7
	Fully Extended Boom + Jib	m	51.5
Boom Length	Boom	m	10.7
	Fully-Extended Boom	m	42
	Fully Extended Boom + Jib	m	42 + 8.8
Jib Offset Angle		°	0, 15, 30
WORKING SPEED			
Derricking (Up/Down)		sec	40/65
Fully Extended / Retraction		sec	95/105
Max. Slewing Speed		r/min	2.4
Main Winch Speed		m/min	120
Aux. Winch Speed		m/min	120

As our products are upgraded periodically, we reserve all rights to change any information without prior notice.

LIFTING PERFORMANCE TABLE

Outrigger full extension 6.42m, side and rear work; when the fifth outrigger is extended, 360° swing operation can be achieved					
Working Radius (m)	Main Boom Length (m)				
	10.7	16.63	22.49	28.36	34.23
3	25000				
3.5	25000	14500			
4	24500	14500	14500		
4.5	23000	14500	14500		
5	21450	14500	14500		
5.5	19500	14500	14500	10000	
6	17800	14500	14500	9600	
6.5	16500	14500	13850	9200	
7	15300	14500	13200	8800	7100
8	13000	13400	12050	8100	6600
9		11900	11150	7500	6150
10		10000	10300	7000	5750
11		8500	8950	6500	5400
12		7350	7750	6100	5100
13		6400	6800	5700	4800
14		5600	6050	5400	4550
15		4900	5350	5100	4300
16			4750	4800	4100
18			3850	4050	3600
20			3100	3350	3150
22				2800	2800
24				2350	2450
26				1950	2100
28					1750
30					1500
32					1250
Cylinder I	0%	0%	0%	0%	0%
Cylinder II	0%	25%	50%	75%	100%
Reeving	8	5	5	4	3

Outrigger full extension 6.42m, side and rear work; when the fifth outrigger is extended, 360° swing operation can be achieved					
Working Radius (m)	Main Boom Length (m)				
	12.71	18.58	24.45	30.32	36.19
3	22000				
3.5	22000				
4	22000	14500			
4.5	22000	14500	14500		
5	21450	14500	14500		
5.5	19500	14500	14500		
6	17800	14500	14500		
6.5	16500	14500	14500	9450	
7	15200	14500	13800	9000	6950
8	12800	13400	12700	8350	6600
9	10700	11700	11700	7700	6250
10	8850	9750	10250	7200	5850
11	7350	8300	8750	6750	5500
12		7150	7600	6350	5200
13		6200	6650	6000	4900
14		5400	5850	5650	4650
15		4750	5150	5300	4450
16		4150	4600	4850	4200
18			3650	3900	3800
20			2950	3200	3300
22				2650	2800
24				2150	2350
26				1800	1950
28					1650
30					1350
32					1150
Cylinder I	25%	25%	25%	25%	25%
Cylinder II	0%	25%	50%	75%	100%
Reeving	8	5	5	3	3

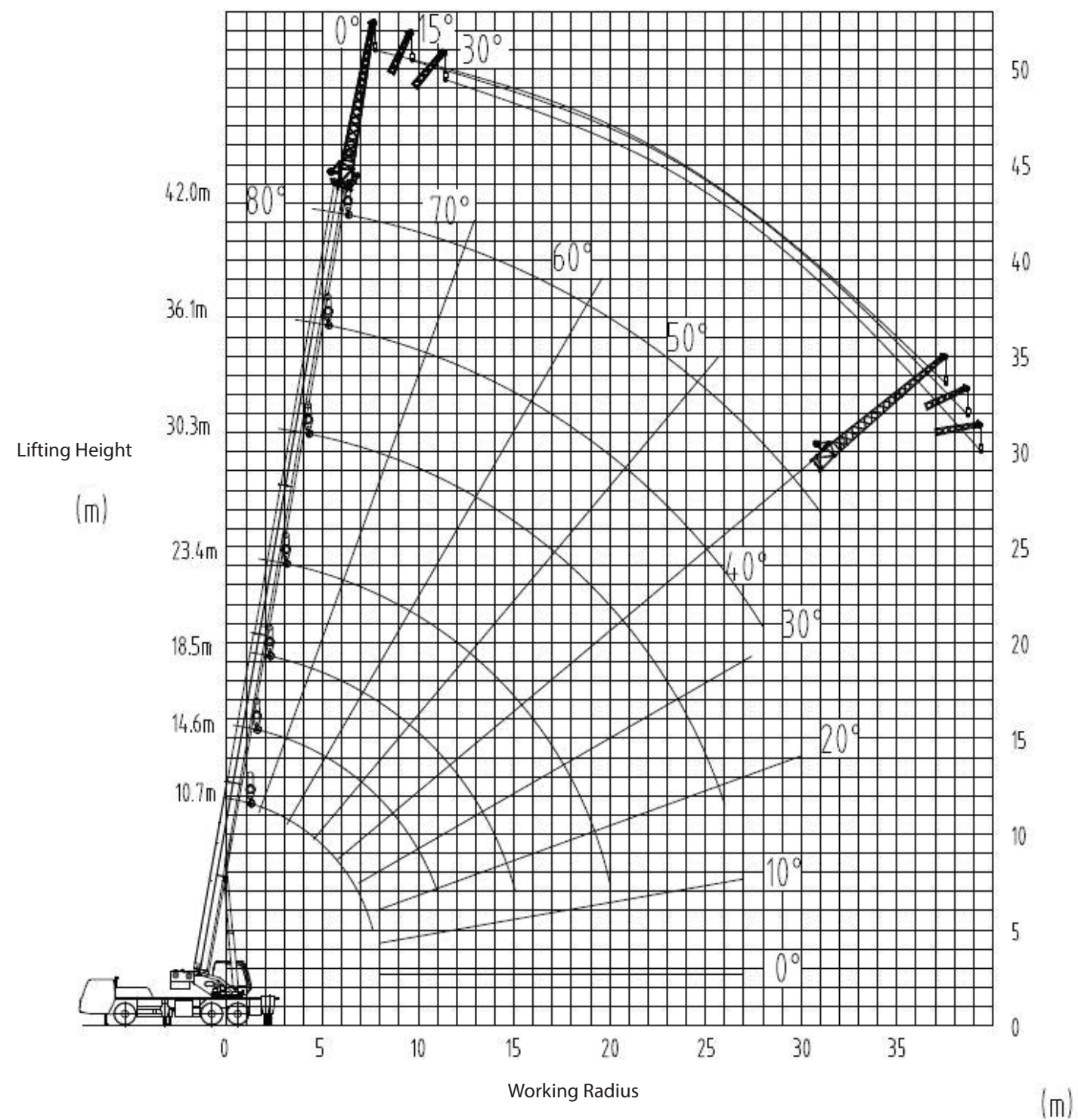
Outrigger full extension 6.42m, side and rear work; when the fifth outrigger is extended, 360° swing operation can be achieved					
Working Radius (m)	Main Boom Length (m)				
	14.67	20.54	26.41	32.28	38.14
3	22500				
3.5	22000				
4	21500	14500			
4.5	21300	14500			
5	20500	14500	14500		
5.5	18800	14500	14500		
6	17800	14500	14500		
6.5	16500	14500	14500	9500	
7	15100	14500	14100	9150	
8	12700	13300	13000	8500	6650
9	10600	11500	11900	7900	6250
10	8700	9550	10050	7350	5850
11	7300	8100	8550	6950	5550
12	6150	6950	7400	6550	5300
13	5150	6050	6450	6200	5000
14		5250	5700	5850	4750
15		4550	5000	5250	4550
16		4000	4400	4700	4350
18			3500	3750	3900
20			2800	3050	3200
22			2250	2500	2650
24			1800	2050	2200
26				1650	1850
28				1350	1500
30				1050	1250
32					1000
Cylinder I	50%	50%	50%	50%	50%
Cylinder II	0	25%	50%	75%	100%
Reeving	8	5	5	3	3

Outrigger full extension 6.42m, side and rear work; when the fifth outrigger is extended, 360° swing operation can be achieved					
Working Radius (m)	Main Boom Length (m)				
	16.63	22.49	28.36	34.23	40.1
3					
3.5	20000				
4	20000	14500			
4.5	19500	14500			
5	19000	14500			
5.5	18800	14500	14000		
6	17800	14500	13200		
6.5	16400	14500	12450	9300	
7	15000	14100	11800	9150	
8	12600	12550	10550	8550	
9	10500	11250	9550	8000	6200
10	8600	9350	8700	7550	5900
12	6050	6750	7250	6550	5300
14	4300	5050	5500	5650	4850
16		3800	4250	4500	4400
18		2900	3350	3600	3750
20		2200	2650	2900	3050
22			2100	2350	2500
24			1650	1900	2050
26			1300	1500	1700
28				1200	1400
30				950	1100
32				700	900
Cyclinder I	75%	75%	75%	75%	75%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	8	5	5	3	3

LOAD CHART-JIB

Outrigger full extension 6.42m, side and rear work; when the fifth outrigger is extended, 360° swing operation can be achieved					
Working Radius (m)	Main Boom Length (m)				
	18.58	24.45	30.32	36.19	42.0
3					
3.5					
4	14500				
4.5	14500	14500			
5	14500	14500			
5.5	14500	14500			
6	14500	14500	12300		
6.5	14500	13850	11750		
7	14500	13050	11150	8800	
8	12500	11650	10050	8550	
9	10400	10600	9050	8000	6050
10	8550	9300	8200	7300	5850
12	6000	6900	6950	6250	5350
14	4250	5000	5400	5350	4850
16	3000	3750	4150	4450	4300
18		2850	3250	3500	3700
20		2150	2550	2800	3000
22		1600	2000	2250	2450
24			1550	1800	2000
26			1200	1450	1600
28			850	1150	1300
30				850	1050
32				650	800
Cyclinder I	100%	100%	100%	100%	100%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	6	5	4	3	3

	Outrigger fully extended, working in rear and side zone without the 5th outrigger, 360 degrees swing operation in case extending the 5th outrigger			Outrigger half extended, working in rear and side zone without the 5th outrigger, 360 degrees swing operation in case extending the 5th outrigger		
Jib Assembly Angle (°)	Main Boom 42 + Jib 8.8(m)			Main Boom 42 + Jib 8.8(m)		
	0	15	30	0	15	30
80	3000	2600	1900	3000	2600	1900
76	2900	2400	1750	2900	2400	1750
73	2800	2200	1700	2800	2200	1700
70	2500	2100	1600	2150	1800	1600
65	2150	1800	1500	1250	1200	1200
60	1600	1450	1300	790	730	680
55	1100	1050	950	350	320	300
50	800	750	700			
40	280	260	250			
Main Boom Elevation Angle	Lifting Capacity					



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PHC550S-V

DIMENSION

L x W x H	mm	14025 x 2665 x 3700
Wheelbase	mm	1450 + 4200 + 1350
Gradeability	%	45
Max. Travel Speed	km/h	85
Braking Distance (At a speed of 30km/h)	m	≤10
Min. Ground Clearance	mm	245
Approach Angle	°	19/10
Departure Angle	°	13
Total Weight	kg	40100

AXLE LOAD

1st Axle	kg	14100
2nd Axle	kg	26000

ENGINE

Model	YCK08350-61	
Rated Power	kW/rpm	257/2200
Max. Output Torque	N.m/rpm	1450/1300-1500
Emission Standard	Euro VI	
Transmission Type	FAST 9JS150TA-Q+QH70	

MAIN PERFORMANCE

Max. Rated Lifting Capacity		T	50
Min. Rated Working Radius		m	3
Tail Swing Radius		mm	3945
Max. Load Moment	Base Boom	kN.m	1962
	Full Extended Boom	kN.m	1111
Outrigger Span	Longitudinal	m	6.18
	Lateral	m	7.5
Max. Lifting Height	Boom	m	11.6
	Fully-Extended Boom	m	45
	Fully Extended Boom + Jib	m	61
Boom Length	Boom	m	11.6
	Fully-Extended Boom	m	45
	Fully Extended Boom + Jib	m	45+16
Jib offset angle		°	0,15,30

WORKING SPEED

Derricking (Up/Down)	sec	45/80
Fully Extended / Retraction	sec	95/130
Max. Slewing Speed	r/min	2
Main Winch Speed	m/min	125
Aux. Winch Speed	m/min	125

LIFTING PERFORMANCE TABLE

Outrigger full extension 7.5m, 10t counterweight, the fifth outrigger is extending, 360° swing operation

Working Radius (m)	Main Boom Length (m)				
	11.6	17.86	24.13	30.39	36.65
3	50000	27000			
3.5	47500	27000	25000		
4	46000	27000	25000		
4.5	44500	27000	25000		
5	39300	27000	25000	17600	
5.5	35000	26000	25000	16900	
6	31500	25000	25000	16000	
6.5	28500	24500	24000	15200	12100
7	26000	24000	22600	14500	12000
8	22000	23000	20300	13200	11100
9	18800	19800	18400	11900	10200
10		17400	16700	10800	9500
12		12900	13500	9200	8100
14		9800	10400	7900	6900
16			8300	6850	6000
18			6700	6100	5350
20			5500	5450	4800
22				4900	4300
24				4100	3800
26				3500	3500
28					3100
30					2750
32					
34					
36					
38					
Cyclinder I	0%	0%	0%	0%	0%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	10	7	6	4	3

Outrigger full extension 7.5m, 10t counterweight, the fifth outrigger is extending, 360° swing operation					
Working Radius (m)	Main Boom Length (m)				
	13.69	19.95	26.21	32.48	38.74
3	42000	26500			
3.5	41500	26500			
4	40000	26500	24000		
4.5	38000	26500	24000		
5	36000	26500	24000		
5.5	33000	26500	24000	17000	
6	30500	26500	24000	16500	
6.5	28000	26500	24000	15600	
7	25700	25500	23000	14900	11700
8	21800	22500	21000	13600	11200
9	18700	19000	19700	12500	10400
10	16000	17400	17500	11400	9700
12		12600	13200	9700	8400
14		9500	10100	8300	7200
16		7400	8000	7300	6300
18			6500	6500	5600
20			5300	5600	5000
22			4300	4700	4500
24				3900	4000
26				3300	3500
28				2800	3000
30					2550
32					2150
34					
36					
38					
Cyclinder I	25%	25%	25%	25%	25%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	10	7	6	4	3

Outrigger full extension 7.5m, 10t counterweight, the fifth outrigger is extending, 360° swing operation					
Working Radius (m)	Main Boom Length (m)				
	15.78	22.04	28.30	34.56	40.83
3	42000				
3.5	41000				
4	40000	26500			
4.5	38000	26500	23000		
5	35500	26500	23000		
5.5	32500	25500	23000		
6	30000	25000	23000	16300	
6.5	27500	24800	23000	15900	
7	25200	24500	21800	15300	
8	21300	22200	20000	14000	11200
9	18300	19300	18500	12900	10600
10	15800	16900	17000	11900	9800
12	11100	12300	12800	10100	8600
14		9300	9900	8800	7500
16		7200	7800	7800	6600
18		5650	6250	6600	5900
20			5050	5450	5200
22			4150	4500	4700
24			3400	3750	4000
26				3100	3350
28				2600	2850
30				2150	2400
32					2000
34					1650
36					
38					
Cyclinder I	50%	50%	50%	50%	50%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	9	6	5	4	

Outrigger full extension 7.5m, 10t counterweight, the fifth outrigger is extending, 360° swing operation					
Working Radius (m)	Main Boom Length (m)				
	17.86	24.13	30.39	36.65	42.91
3	38000				
3.5	36000				
4	34000	26200			
4.5	32000	26200			
5	30000	26200	22000		
5.5	29000	25500	22000		
6	28000	25000	22000		
6.5	26000	24000	21400	15400	
7	25200	23000	20300	15400	
8	21300	21000	18500	14300	
9	18600	19100	16900	13300	10500
10	15600	16900	15600	12300	9900
12	10900	12100	12700	10600	8800
14	8000	9100	9700	9200	7700
16		7000	7600	8000	6900
18		5500	6000	6400	6100
20		4300	4900	5200	5500
22			3900	4300	4600
24			3200	3600	3800
26			2600	2950	3200
28				2450	2700
30				2000	2250
32					1850
34					1500
36					1200
38					
Cyclinder I	75%	75%	75%	75%	75%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	8	6	5	4	3

Outrigger full extension 7.5m, 10t counterweight, the fifth outrigger is extending, 360° swing operation					
Working Radius (m)	Main Boom Length (m)				
	19.95	26.21	32.48	38.74	45
3	33000				
3.5	33000				
4	32000				
4.5	30000	26000			
5	29000	26000			
5.5	27200	25000	20400		
6	26500	23500	20400		
6.5	25500	22500	19900		
7	24000	21500	19000	14200	
8	21000	19800	17300	14200	
9	18000	18000	15900	13300	10100
10	15500	16000	14600	12400	9800
12	10900	11950	12600	10900	8800
14	7900	8950	9550	9600	7900
16	5850	6850	7450	7850	7000
18		5350	5900	6300	6300
20		4200	4750	5100	5400
22		3250	3850	4200	4450
24			3100	3450	3700
26			2450	2800	3100
28			1950	2300	2550
30				1850	2100
32				1450	1700
34					1400
36					1100
38					850
Cyclinder I	100%	100%	100%	100%	100%
Cyclinder II	0%	25%	50%	75%	100%
Reeving	7	6	5	4	3v

LOAD CHART-JIB

Outrigger full extension 7.5m, 10t counterweight, the fifth outrigger is extending, 360° swing operation						
Working Elevation (°)	45m main boom+9m jib			45m main boom+16m jib		
	0	15	30	0	15	30
80	4000	2800	2400	2700	1500	1100
78	4000	2800	2300	2500	1500	1100
76	3800	2700	2300	2250	1350	1100
74	3500	2500	2250	2200	1300	1100
72	3200	2400	2000	1900	1200	1000
70	3000	2100	1950	1800	1150	950
68	3000	2100	1900	1700	1150	950
66	2800	1950	1800	1600	1100	900
64	2600	1900	1800	1600	1100	900
62	2300	1800	1700	1550	1000	850
60	2000	1500	1400	1500	1000	850
58	1700	1300	1200	1300	900	850
56	1400	1100	1000	1100	900	800
54	1200	900	850	1000	800	700
52	1000	800	700			

