



# HYDRAULIC TRUCK CRANE

MODEL : PHC1250S-III

## TECHNICAL SPECIFICATIONS

**POWERPLUS**  
POWERPLUS GROUP INC., USA

### MAIN SPECIFICATIONS

- Max Rated Lifting Capacity: (kg) 125000
- Overall Length: (m) 15.650
- Overall Width: (m) 2.90
- Overall Height: (m) 3.99
- Boom Length: (m) 13~50
- Boom Angle: (°) -2~80
- Jib Length: (m) 9.5+6.5
- Outrigger span (longitudinal): (m) 7.70
- Outrigger span (transverse): (m) 7.60
- Max. Lifting Moment (min boom length): (KN.m) 3234
- Max. Lifting Moment (max boom length): (KN.m) 1380
- Max. Lifting Height (Boom): (m) 50.2
- Max. Lifting Height (Jib): (m) 67
- Max. Speed (Single Wire): (m/min) 75
- Boom Extending Time: (sec) 280
- Boom Elevating time: (sec) 90
- Slewing speed: (rpm) 0~2
- Max. Traveling Speed: (km/h) 70
- Max. Gradeability: (%) 35
- Min. Turning radius: (m) 12
- Min. Clearance: (mm) 300
- Approach Angle: (°) 20
- Departure Angle: (°) 14
- Self Weight in Travelling condition: (kg) 70000
- Front Axle Load: (kg) 11200 x 2
- Rear Axle Load: (kg) 11900 x 4

### ENGINE

- Model: MERCEDES OM502LA
- Max. Horsepower: (HP/rpm) 475@1800
- Max. Torque: (N.m/rpm) 2300/1080



### RATED LIFTING CAPACITY

Boom (m)	Working Side or Back (Outrigger Extended)										Elevation Angle of Boom (°)	Boom 50m (Ratio 1)					
	13		22.25		31.5		40.75		50			Jib 9.5m		Jib 16m			
	Load Capacity (T)	Lifting Height (m)	Load Capacity (T)	Lifting Height (m)	Load Capacity (T)	Lifting Height (m)	Load Capacity (T)	Lifting Height (m)	Load Capacity (T)	Lifting Height (m)		Load Capacity (kg)					
3.0	125.0	13.2									82	6000	2500	4000	1300		
3.5	108.0	13.0									80	6000	2500	4000	1300		
4.0	95.0	12.8	60.0	22.8							78	5500	2400	3600	1200		
4.5	81.0	12.5	60.0	22.7							76	5000	2300	3200	1150		
5.0	75.0	12.2	60.0	22.6	33.0	32.0					74	4500	2200	3000	1100		
6.0	59.0	11.6	51.8	22.2	33.0	31.8					72	4000	2100	2700	1050		
7.0	50.0	10.7	41.0	21.8	33.0	31.5	20.0	41.2			70	3700	2050	2500	1000		
8.0	43.2	9.7	33.5	21.3	30.8	31.2	20.0	40.9			68	3400	1950	2400	950		
9.0	35.5	8.3	28.6	20.8	26.0	30.8	20.0	40.6	13.0	50.2	66	3200	1900	2200	900		
10.0	25.2	6.5	25.6	20.2	23.2	30.5	19.0	40.4	13.0	50.0	64	2900	1850	2100	850		
11.0			20.6	19.5	20.6	30.1	18.0	40.0	13.0	49.7	62	2400	1700	1800	800		
12.0			17.5	18.8	17.8	29.7	15.0	39.6	12.5	49.4	60	2000	1600	1500	750		
14.0			14.2	17.0	13.6	28.6	13.6	38.9	11.2	48.8	58	1600	1350	1200	700		
16.0			8.5	14.6	10.3	27.3	10.8	38.0	10.0	48.1	56	1400	1150	800	500		
18.0				6.8	11.4	9.2	25.8	9.0	37.0	8.8	47.3	54	1100	900			
20.0						7.2	24.1	7.2	35.8	7.3	46.4						
22.0						5.6	21.8	5.8	34.4	6.8	45.3						
24.0						4.3	19.3	4.6	32.9	4.6	44.2						
26.0						3.2	16.0	3.6	31.1	3.8	42.9						
28.0						1.8	11.3	2.7	29.1	2.9	41.5						
30.0							2.0	26.8	2.2	39.9							
32.0								1.5	24.0	1.6	38.2						
34.0										1.0	36.2						
Min. Elevation Angle of Boom			-2°		-2°		-2°		26°		38°		46°		48°	50°	54°
Hook Used	Hook of 125T			Hook of 60T						Hook of 6T							

### LIFTING HEIGHT CURVE DIAGRAM

