



HYDRAULIC TRUCK CRANE

MODEL : PHC800S-III

TECHNICAL SPECIFICATIONS

POWERPLUS
POWERPLUS GROUP INC., USA

MAIN SPECIFICATIONS

- Max Rated Lifting Capacity: (kg) 80000
- Overall Length: (m) 14.0
- Overall Width: (m) 2.75
- Overall Height: (m) 3.75
- Boom Length: (m) 11.6~44.5
- Boom Angle: (°) -2~80
- Jib Length: (m) 9.5+6.5
- Outrigger span (longitudinal): (m) 6.1
- Outrigger span (transverse): (m) 7.5
- Max. Lifting Moment (min boom length): (KN.m) 2352
- Max. Lifting Moment (max boom length): (KN.m) 1098
- Max. Lifting Height (Boom): (m) 44.5
- Max. Lifting Height (Jib): (m) 60.5
- Max. Speed (Single Wire): (m/min) 135
- Boom Extending Time: (sec) 107
- Boom Elevating time: (sec) 57
- Slewing speed: (rpm) 0~1.8
- Max. Traveling Speed: (km/h) 70
- Max. Gradeability: (%) 40
- Min. Turning radius: (m) 12
- Min. Clearance: (mm) 280
- Approach Angle: (°) 17.5
- Departure Angle: (°) 12.5
- Self Weight in Travelling condition: (kg) 48800
- Front Axle Load: (kg) 19000
- Rear Axle Load: (kg) 26000

ENGINE

- Model: CUMMINS ISLE375
- Max. Horsepower: (HP/rpm) 375@2100
- Max. Torque: (N.m/rpm) 1550@1100~1400



RATED LIFTING CAPACITY

Boom (m)	Working Side or Back (Outrigger Extended)							Elevation Angle of Boom (°)	Boom 44 m						
	11.6		15.65		19.7		25.7		31.8		37.9		44.0		
	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)		Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	Use Capacity (t)	
3.0	80	50	40					80	5000	3000	3000	1300			
3.5	69	50	40					78	4700	2850	2700	1200			
4.0	63	47	40	28				76	4400	2600	2400	1150			
4.5	56	44	40	28				74	4100	2450	2100	1100			
5.0	50	42	38	27				72	3800	2300	1850	1050			
5.5	43	39	36	26	18			70	3500	2200	1700	1000			
6.0	39	37	34	25	18			68	3200	2100	1600	970			
6.5	35	33	31.5	24	18			66	2800	2000	1500	940			
7.0	30	28.7	28.7	23	18	14		64	2400	1900	1400	910			
7.5	26.5	25	25	22	18	14		62	2100	1800	1300	880			
8.0	23.5	22.5	22.5	21	17.5	14		60	1850	1650	1200	850			
9.0	18.2	18.2	18.2	18.5	16	14	10	58	1600	1350	1100	800			
10.0		14.7	14.7	15.3	14.5	13	9.8	56	1300	1150	1000	750			
11.0		12.2	12.2	12.7	13	12	9.5	54	1000	900	800				
12.0		10	10.2	11	11.5	11	9.0	52	800						
14.0			7.1	8.2	8.8	9.3	8.0								
16.0			5.3	6	6.7	7.2	7.0								
18.0				4.7	5.2	5.5	5.9								
20.0				3.5	4	4.3	4.6								
22.0					3.1	3.3	3.8								
24.0					2.3	2.5	3.0								
26.0					1.7	1.9	2.3								
28.0						1.4	1.8								
30.0						0.9	1.3								
32.0							1.0								

LIFTING HEIGHT CURVE DIAGRAM

