



# ALL TERRAIN CRANE

MODEL : PATC1650S-II

## TECHNICAL SPECIFICATIONS

**POWERPLUS**  
POWERPLUS GROUP INC., USA

### ■ MAIN SPECIFICATION

Overall length: (mm) 15900  
Overall width: (mm) 3000  
Overall height: (mm) 4000  
Unit weight in travel state: (kg) 70000  
Axle load (1st, 2nd): (kg) 11500  
Axle load (3rd, 4th): (kg) 11700  
Axle load (5th, 6th): (kg) 11800

### ■ ENGINES

Model: VOLVO TAD720VE (Upper Structure)  
Rated output: (HP/(r/min)) 220/2100  
Engine rated torque: (N.m/(r/min)) 854/1400  
Max.speed: (r/min) 2100

Model: MERCEDES OM502LA.III/3 (Carrier)  
Rated output: (HP/(r/min)) 530/1800  
Rated torque: (N.m/(r/min)) 2400/1200  
Max. speed: (r/min) 2000

### ■ TRAVEL

Max. travel speed: (km/h) 71  
Min. turning diameter: (m) 24  
Min. ground clearance: (mm) 278  
Approach angle: (°) 25  
Departure angle: (°) 20/18  
Braking distance (at 30 km/h): (m) <10  
Max. gradeability: (%) 48  
Fuel consumption : (L) 80

### ■ LIFTING PERFORMANCE

Max. total rated lifting capacity: (t) 160  
Min. rated working radius: (m) 3  
Turning radius at swing table end: (mm) 4850  
Max. load of base boom: (kN.m) 5282  
Max. load of fully extended boom: (kN.m) 2140  
Longitudinal distance: (m) 9.625  
Lateral distance: (m) 8.7(6.5)  
Lifting height of base boom: (m) 14.3  
Lifting height (fully extended boom): (m) 56.3  
Lifting height (fully extended boom + jib): (m) 79  
Boom length (base boom): (m) 13.6  
Boom length (fully extended boom): 60  
Boom length (fully extended boom + jib): (m) 80

### ■ WORKING SPEED

Boom raising: (s) 90  
Fully-extended/fully retracted: (s) 550/550  
Max. swing speed: (r/min) 2.0  
Outrigger beam (Fully extended): (s) 50  
Outrigger beam (Retracted): (s) 40  
Outrigger jack (Fully extended): (s) 50  
Outrigger jack (Retracted): (s) 45  
Main winch: (m/min) 120  
Aux. winch: (m/min) 110

