



## MULTRATUG 28 - HYBRID



**CALLSIGN** : PCBI  
**YEAR BUILT** : 2015  
**CLASSIFICATION** : Lloyd's Register 100 A1 Escort Tug  
 LMC UMS IWS  
**FLAG** : Dutch  
**HOMEPORT** : Terneuzen  
**IMO** : 9668037

### DIMENSIONS

L.O.A. : 28.67 m  
 L.B.P. : 25.78 m  
 B.O.A. : 10.43 m  
 MAX. DRAFT : 4.90 m  
 AIRDRAFT : 15.00 m  
 GROSS TONNAGE : 294 tons  
 NET TONNAGE : 88 tons

### PERFORMANCE

BOLLARD PULL : 62 tons  
 SPEED DIESEL DIRECT : 13.0 knots  
 SPEED DIESEL ELECTR : 8.0 knots  
 SPEED BATTERY PACK : 4.0 knots

### PROPULSION

MAIN ENGINES : 2 x MTU 16V4000M63R  
 TOTAL POWER : 3680 bkW (4935 bhp) at 1600 rpm  
 PROPULSION GEN SET : 1x MTU 12V 2000 M41B,  
 800 kVA, 440V-60Hz  
 BATTERY PACK : 2x 120 kWh  
 PROPELLER TYPE : Rudder propellers, Rolls Royce US205

### FIFI SYSTEM

TYPE : Diesel driven pump capacity  
 1 x 1200 cbm/hr  
 FIFI Monitors : 1 x 1200 cbm/hr – water/foam

### DECK LAY-OUT

DECK SPACE : 40m<sup>2</sup>  
 ANCHOR/TOWING WINCH : Electrically driven two speed winch  
 with split drum and warping head,  
 speed up to 28 m/min  
 TYPE : DMT ATW221-E19

CAPACITY : Pull 35 ton at 9.1 m/min, slack rope  
 BRAKE CAPACITY : 150 ton  
 TOWING WINCH AFT : Electrically driven, two speed,  
 single drum, 48 mm wire, 600 m  
 TYPE : DMT TW-H350kN  
 CAPACITY : Pull 40 ton, 9 m/min  
 BRAKE CAPACITY : 150 tons  
 WIRE SPEED : 28 m/min  
 TOWING HOOK : AFT Mampaey 65 ton swl  
 CAPSTAN : 5 ton at 15 m/min electrically driven  
 DECK CRANE : Heila HLM 20-3S, 1.7 tons at 10.56 m

### AUXILIARY EQUIPMENT

MAIN GENERATOR SETS : Caterpillar C4.4  
 CAPACITY : 107 kVA  
 VOLTAGE, FREQUENCY : 400V, 50 Hz

### TANK CAPACITIES

FUEL OIL : 72.3 m<sup>3</sup>  
 FRESH WATER : 14.9 m<sup>3</sup>  
 LUBRICATION OIL : 9 m<sup>3</sup>  
 FOAM : 6.5 m<sup>3</sup>  
 DIRTY OIL : 3.1 m<sup>3</sup>  
 BILGEWATER : 5.1 m<sup>3</sup>  
 SLUDGE : 3.1 m<sup>3</sup>  
 HYDROLIC OIL : 0.36 m<sup>3</sup>  
 SEWAGE : 2.2 m<sup>3</sup>  
 UREA : 6.0 m<sup>3</sup>

### ACCOMMODATION

1-MAN CABINS : Two (2)  
 2-MAN CABINS : Three (3)  
 MESSROOM : One (1)  
 GALLEY : One (1)