

# Pachuca Equipment and Specifications

Dec 2022

## Boat Description

Name:	Pachuca
Design:	S&S 39 to IOR rules
Builder:	Prestige Yachts, 1983
Purchased:	May 2005
Construction:	GRP
Length On Deck::	11.89 m (39 ft)
LOA:	12.235 m (40.14 ft)
LWL:	10.29 m (33.75 ft)
Beam:	3.7m (12.1 ft)
LWL:	9.66m (31.7 ft)
Weight:	8 tonnes/8000kg/17637lb
Draft:	2.380m (7.8 ft)
Max Hull Speed	7.8 knots
Engine No.	869646, 51020188004
Mast Clearance overall	17.2m (56.43 ft)
Masthead Clearance	16.5m (54.1 ft)
Rigging:	Cutter-rigged sloop, stainless steel
Colour:	Hull white above water, blue below water Deck: non-skid Magnolia (x32), fibreglass original cream
HIN:	AUTWA033063CJ5
DOT Reg:	33990
Sail Number:	F330
HF Call Sign:	VNW5980
ACMA HF Licence No:	1188877/1
HAM Call Sign:	KF7PBW (General Class)
HAM FRN:	0020640678
Aust Shipping Registration:	O.N. 854813
MMSI	503193700
Insurance:	Nautilus Marine, Policy No. PRI-1116103
FSC Membership No.	58202
Blog:	<a href="http://pachucaroundtheworld.blogspot.com">http://pachucaroundtheworld.blogspot.com</a>

This list has been compiled in good faith principally from the set of documentation (e.g. owners manuals, parts lists) provided by the vendors, and improvements by myself (in red).

- PLASTIMO “Olympic 135” or “Horizon 135” binnacle compass
- Trimble NT200D GPS
- Raymarine C120 Multifunction Display

- Raymarine 125 GPS Receiver (Dec 07)
- Raymarine 24-mile Radar (Dec 07)
- Garmin 152H GPS (binnacle) (2011)
- Navionics Australia Charts (Dec 07)
- Dynaplate (La Paz 2011)
- Line Lengths
  - Main Halyard: 38 m (125') of 13mm dia
  - Main Sheet: 27.4 m (90') of 12mm dia
  - Jib Halyard: 36m (131') of 13mm dia (2 meters added because now short halyard)
  - Jib Sheets: 16.2m (53') of 12mm dia
  - Roller Furler: 30m (83') of 8mm
  - 1<sup>st</sup> reef line: 14m of 10mm dia
- Anchor Rode Lengths
  - Main Rode: 38 mtr of 10mm chain
  - Spare Rode: 30 mtr 10mm chain, 20m Rope
  - Spare Rode: 12 mtr 10mm chain, 80 mtr 20mm white rope
  - Kedge Anchor Rode: 7 mtr 10mm chain, 55 mtr 15mm white rope
- Windlass: Maxwell RC10-10 (Oct 2019)
- Rigging: Mar del Plata May, 2012
  - All New rigging (316 wire out of USA, Navtec and Gibb fittings)
  - All new wire rails
  - New topping lift
  - New Spectron running backstays
  - D1 shrouds replaced by Edgar Vitte (Feb 2014)
- Sails
  - I measurement: 1490 cm
  - J measurement: 474 cm
  - Mainsail (Tasker 2005): luff 13.4m, leech 13.92m, foot 3.9m  
Full Sail, 26.1 meters/281 ft square, 100% of sail  
1st Reef, 19.5 meters/210 ft square, 75% of sail  
2nd Reef, 13.5 meters/146 ft square, 52% of sail  
3<sup>rd</sup> Reef (Feb 2013)
  - Spare Mainsail (Excellent Condition when stored in 2007)
  - 1 x North Sails Cruising Genoa (about 9.2 oz), May 2012
  - Heavy spare jib (luff=13.6m, leech=14.2m, ft=6.55m)
  - Light spare jib (luff=14.4m, leech=13.67m, ft=6.61m)
  - Staysail (luff=8.65m, leech=8.00m, ft=3.01m) (12.5 m sq, 135 ft sq)
  - MPS Spinnaker (little used)
  - Asymmetrical spinnaker (little used)
  - Storm Trysail (Tasker, 2007) Luff: 4.61m (15' 2"), Leech 5.81m (19' 1"), Foot 2.91m (9' 6.5"), Area: 6.7 sq meters (72 sq ft).
  - Inner forestay length: 8.61m
  - Headstay length: 14.82m
  - Masthead 15.24m (50 ft)

- Comar CSB200 Class B AIS Transponder (Nov 08)
- Profurl C420 headsail roller (Sep 2009)
- GME 406 MHz EPIRB, Model MT400, SN 80871458, UIN C00E445C880022D
- “Force 10” 2-burner European Standard stove (Aug 2014)
- Refrigeration: "Vitrifrigo", model ND50 ORV GR with a Danfoss BD50F compressor, input 12 & 24 volts, input current 4.9 amps @ 12V and 2.45 amps @ 24V, refrigerant charge 0.050 Kg of R134A, Serial Number 0190835 (Oct 2010)
- SENTINEL GM23 gas detector (solenoid gas cutoff)
- Batteries: 5 batteries in 3 banks:
  - “House bank1: 2 x Century C12-270DA AGM (BW, May 2017) (L520, W268, H220)
  - “House bank2: 1 x Century C12-270DA AGM (BW, May 2017) 1 x Fullriver DC210-12 AGM (BW, May 2017) (L530, W209, H214)
  - “Start” bank: 1 Century N120 MF, 900 CCA (“BW, Apr 2016) (L505, W181, H210)
- Solar panels: 2 x 150W “Mono”, KT70700 (May 2017)
- Powertech 30amp MPPT solar power controller, Model MP-3735 (June 2017)
- Volvo D2-40F Engine
  - Commissioned in La Paz on 16 Aug 2010
  - About 600 hours of use
  - 4 Cylinder, 40 HP
  - Numbers:
    - 869646 (Part No)
    - 51020188004 (Serial No)
  - 1 x Alternator
- MS 15A-B 2.64 Gear Box (made by ZT)
  - Numbers: 3809125, 0150917736 (Serial No)
- Impeller: PN 22222936 (was PN 3593659)
  - RM Services, O’Connor
  - Parker Marine, Bibra Lake
- Cables, standard 18' (Use 17' in future)
- Volvo Engine Controls (Jan 2011)
- Propeller, RH, 16.5' dia, 14' pitch, boss 82 mm long tapered 30mm-25mm
- Shaft 1690mm (66.5”) long, 32mm (1.25”) dia, nut 23mm dia (Mexico Jul 2010)
- PYI Dripless Shaft Seal (July 2010)
- AUTOHELM “ST6000” self-steering (installed Sep 08)
- Raymarine C120 Multifunction Display and Chart Plotter
- Raymarine ST60+ wind speed and direction (Sep 08)
- Raymarine ST60+ Depth Sounder with in-hull transducer (Feb 10)
- Raymarine RD218 Radome Radar Scanner
- Comar CSB200 AIS
- Monitor Wind Steering, S.N. 75790409 (Mar 09)
- PAR 29092-0000 marine toilet (manual)
- JABSCO 31395-0092 fresh water pressure pump

- RULE 1500/2000 electric bilge pump
- Aristocraft “Bayrunner” 2.9 m (Jan 2015)
- Mercury 3.3 HP outboard (Feb 2015)
- 38 meters of 3/8” (10mm) chain: 205.6lb/93.5Kg, 131.23ft/21.87fathoms
- 45-lb (20.5 kg) Manson “CQR” anchor (Mar 07)
- 35-lb (16 kg) Swarbrick Fisherman’s anchor (Apr 07)
- 50-lb (22.7 kg) Swarbrick Fisherman’s anchor (Nov 07)
- 35-lb (16 kg) Delta anchor (Aug 2015)
- 48.5lb (22 kg) Sarca Excel No. 5
- 7m of 10mm chain and 80m white rope for Admiralty anchors.
- Large Danforth kedging anchor
- 1 x S/S **diesel tank**, **142 litres** total (Oct 2018)
- 2 x S/S **water tanks**, each h=455mm, w=300mm, l=1065mm minus 70mm x 150mm wedge along outboard length. Yields 140 liters per tank, **278 liters** (Oct 2018)
- Rutland 913 wind Generator (Sep 08)
- Stainless Steel Cockpit frame (06)
- Spray dodger, cockpit awning, side sun screens, link sheet (07)
- RFD 4-person life raft (Nov 07, never used, out of date)
- Pioneer/Kicker Sound system (Dec 07)
- Para Anchor “Bass Strait 18” parachute drogue with inwater kit (Feb 07)
- Mastervolt Mass 12/60-1 charger (Sep 08)
- ICOM M700Pro HF radio, S.N. 2405776 (Apr 09)
- ICOM AT-130 Automatic Antenna Tuner, S.N. 70715 (Apr 09)
- SCS Pactor IIUSB modem, UN17070100000E84E92320 (Apr 09)
- Eclipse DSC GX1000S) 25 watt VHF transceiver, S.N. 8J091672 (Apr 09)
- West Marine (Uniden) VHF 150 hand held, S.N. 84005444 (May 09)
- EPIRB ID: 2DCE611E2CFFBFF
- Anodes:
  - 1 x Size E for end of shaft
  - 2 x 1.25 inch for prop shaft
  - 1 x disc type at shaft support