



NORTHERN SPIRIT

PRIVATE YACHT CHARTER

BUILDER:	Perini Navi	LOA:	37m
YEAR:	1996	BEAM:	7.52m
FLAG:	London	SPEED:	9.5 knots cruise
ACCOM:	6/7 Guests	MATERIAL:	Steel/Aluminum
LYING:	Palma de Mallorca	ENGINES:	1x Volvo





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1. CONSTRUCTION

Steel hull, with aluminium superstructure and spars. Teak laid deck.

2. MAIN CHARACTERISTICS

General

BUILDER:	Perini Navi
LOA:	37m
LWL:	32.5m
BEAM:	7.52m
DRAFT:	3.2m
NAVAL ARCHITECT:	Perini Navi
INTERIOR DESIGNER:	Perini Navi
YEAR CONSTRUCTION:	1996
DISPLACEMENT TONNAGE:	220T
GROSS TONNAGE:	156
NET TONNAGE:	46
CLASSIFICATION SOCIETY:	ABS
MCA/COMMERCIAL CODING:	LY1 (LY2 where applicable)

Capacities

FUEL:	21,300 Litres
WATER:	7.100 Litres
SPEED:	
Cruising speed:	9 knots
Max speed:	12 knots
RANGE (NM):	3850nm @ 9 knots

3. MACHINERY

MAIN ENGINE:	Volvo Penta TAMD 163A Turbocharged		
Service	Major top end service 10,000 hours		(2012)
Hours:	Injection pump, turbo, heat exchanger all serviced. 9855 as of April 2013		
GEARBOXES:	Twin Disc MG 156 Reverse reduction		
Service	Regularly inspected and maintained		(2012)
STEERING SYSTEM:	Perini Navi Twin hydraulic rams powered by an independent 220v hyd. power pack with automatic emergency hand steer.		
Service	Hydraulic rams, steering pumps and motors		(2012)
GENERATORS:	2x 50kW 220v Northern Lights M6414		
Service:	ABS 15 year service and inspection		(2012)
Hours:	Port	7614 hrs since rebuild	(2008)
	Starboard	7914 hrs since rebuild	(2008)
	As of December 2012		
POWER ON BOARD:	220 AC, 50Hz		
SHORE POWER:	Insulation Transformer 50KVA		(new 2012)
	Shore power converter 400VAC/220VAC		(new 2012)
BATTERIES:	Main Engine	Wet x2	(new 2013)
	Generator	Wet x4	(new 2013)
	Service	Gel 2v x12	(new 2012)
		Mastervolt Chargers x2	
	Emergency	Gel 12v x2	(new 2010)
		Mastervolt chargers x2	
	Radio	Gel 12v x2	(new 2010)
AIR CONDITIONING:	MarineAire CWMC 2 PMP		(new 2006)
	Output 144000 BTU		
	Serviced/new comp.		(2013)
WATERMAKERS:	2x Sea Recovery Aqua Whisper SRC 800-1		(new 2003)
	250 Litres per hour		
BOW THRUSTER:	Shottel 30kva	STT-010 LK	

ALFA LAVAL:	Model 303s	
AIR COMPRESSOR(S):	1x Ingersol Rand 1x service compressor for daily duties.	(new 2010)
TOILET SYSTEM:	Evac Vacuum Flush	

4. ACCOMMODATION

OWNER:	Owners' accommodation aft comprises of a full beam master stateroom with walk in wardrobe, separate office area, and large ensuite with bath.	
GUESTS	To Port and Starboard are situated two twin guest cabins, with port having an additional Pullman berth, both with generous ensuite shower rooms.	
CREW	There are two cabins forward, each with own bathroom and shared shower room. The cabins can be set up as either a double or two singles depending on configuration. There is also a small cabin off the main saloon suitable for use for staff or additional crew member.	

5. GALLEY & LAUNDRY EQUIPMENT

OVEN:	Gaggenau EB388 (90cm)	(new 2012)
HOB:	Miele Induction 5 ring KM5993	(new 2011)
EXTRACTION	Miele 3190	(new 2010)
FRIDGES	4 Perini Custom in Galley 1 Drinks fridge in Wheelhouse	
FREEZERS	2 Waeco Coolmate RSF 115	(new 2011) (new 2009)
ICEMAKER	Hoshizaki IM Series	(new 2008)
DISHWASHER	Miele G1222 SCI	(new 2008)
WASHING MACHINE	Miele W3242	
DRYER	Miele T8622C	
IRON	Miele Roller B865	

6. COMMUNICATION, NAVIGATION & ENTERTAINMENT EQUIPMENT

Communication Equipment

SATCOM:	Fleet 77 Iridium Sat C	Thrane & Thrane Sailor Sailor TT3020
CELLULAR	Linksys 3G/UMTS Broadband with YachtSpot WiFi antenna Panasonic PABX	

RADIO	HF/SSB VHF	Skanti TRP 8401S SimradRS82
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Navigation Equipment

RADAR:	Furuno 1510 Mark 3 with ARPA Furuno 1724C with plotter	(new 2009)
CHART PLOTTER:	MaxSea with dedicated HP Compaq computer Navnet 1724C	(new 2013)
COMPASS	Satellite Magnetic	JRC JLR 20/30 C Plath Jupiter (new 2010) (2011)
AUTOPILOT	CPlath Navipilot V	
GPS	Furuno GP-50 Mk2 x2	
AIS	FA 150 linked to Furuno radar and Maxsea	(2008)
B&G	Hercules 690 wind, depth, speed	
DEPTH	Furuno FCV 667	

Entertainment Equipment

TELEVISIONS:	Saloon Master Guest	Samsung LED 46" Series 8 Grundig plasma 25" JVC plasma 20" x2	(new 2012)
ENTERTAINMENT:	Kaleidescape Server 12TB 4 Players in Master, Guest and Saloon Cockpit Music through dedicated hard-drive		(new 2008)



7. TENDERS & TOYS

TENDERS	Nouvarania 4.2m	(new 2008)
	Yamaha 60HP 4 Stroke	(new 2011)
	Yamaha 15HP	
WATER SPORTS	Wakeboard	
	Waterskis	
	Inflatable banana, donuts etc	
	Snorkelling equipment	
	Wetsuits and Buoyancy aids	

8. RIG & SAILS

RIGS:	Perini Navi Ketch Rigged	Main 35m Mizzen 25m	
	Masts unstepped		(2013)
	All new rod rigging		(new 2013)
	Bamar furlers		(2013)
SAILS:	Sail wardrobe		(new 2008)
	All sails were new in 2008 from Quantum and have been regularly serviced and well maintained. They have completed 5 summers and 1 winter, and are still in excellent condition after spending the last 4 winters in storage. Construction is a carbon/taffeta laminate, creating a strong and durable sail yet still able to perform well in all conditions.		
	Mainsail		
	Mizzen		
	Genoa 120%		
	Staysail		
	Fisherman (Perini style gaff less topsail)		

9. DECK EQUIPMENT

ANCHORS	2x Stainless steel in recessed pockets	
	120m 18mm galvanised chain each side	
WINDLASS	Perini Navi custom	
PASSERELLES	1 Perini hydraulic passerelle	
	1 Perini hydraulic side-boarding ladder	



10. SAFETY & SECURITY EQUIPMENT

LIFERAFTS:	2x RFD 12 pax each on foredeck
EPIRB:	ARC Global fix
SART:	McMurdo
FIREFIGHTING:	FM200 fire suppressant in Engine Room

All other safety equipment as per MCA guidelines

11. REFITS

Refit 2001/02 Palma

1. ABS Special survey (5yr)
2. Rigs pulled and serviced
3. Furlers serviced
4. Generator dry exhausts replaced
5. Main engine dry exhaust replaced
6. New main engine (warranty)
7. Paint topsides, superstructure and rigs

Refit 2002/03 Palma

1. New water makers

Refit 2003/04 New Zealand

1. ABS intermediate survey
2. Water tanks sandblasted and repainted.
3. Zero hours on generators
4. Replaced shaft bearings

Refit 2005/06-Palma

1. ABS Special Survey (10yr)
2. Overhaul variable pitch system
3. Paint grey and black tanks
4. Paint topsides and super structure
5. Replace foredeck and side deck teak
6. New air conditioning system
7. New soft furnishing throughout yacht

Refit 2007-08 Palma

1. Rigs pulled and service.
2. Rigs painted
3. Side boarding ladder and passerelle stripped and repainted
4. Propeller, prop shaft and rudder service.
5. New sails

2008 Autumn

1. Paint Transom
2. Variable Pitch service
3. Keel Ram service
4. Generators overhaul (zeroed)



Refit 2009-10

1. Paint topsides
2. Carpets replaced
3. New emergency battery installation as required by MCA/ABS
4. New deck winches x4
5. New 60hp tender outboard

Refit 2011-12

1. ABS Special Survey (15yr)
2. Propeller dismantled and serviced.
3. Shaft pulled, dismantled and serviced
4. Cederval shaft seals
5. Rudder removed, rudder bearings replaced.
6. Steering gear serviced
7. Waste tanks were sandblasted back to bare steel, corrosion treated and repainted.
8. Fresh water tanks painted.
9. Main engine exhaust muffler box and the exhaust discharge hull plating replaced.
10. New teak on foredeck
11. New wheel house teak trim
12. Main engine overhaul 10,000hr
13. New house/service batteries
14. Super-structure paint
15. Fuel tanks emptied and cleaned.
16. Bilge painting throughout
17. New generator mounts
18. New air handlers
19. New Gaggenau oven
20. New shore power transformer

Winter 2012-13

1. Rig removed, service and paint
2. Extensive varnish throughout interior and exterior
3. Variable pitch service
4. Captive winch service
5. Re-caulk windows
6. New sheets and halyards

During all yard periods, particular attention was paid to planned maintenance, which included regular servicing of all machinery, bilge and fire pumps and related systems, through hull fittings and valves, all other pumps and pipework, varnish programs and upgrading of equipment.

12. CAPTAIN'S COMMENTS:

Northern Spirit is a solid, well proven sailing yacht with one circumnavigation, multiple Atlantic crossings and Mediterranean passages. She has been professionally maintained, without financial hesitation from the current owner for the last 13 years, and has benefited from continuity of crew throughout that period. Northern Spirit has a very successful charter history and is ready to go, in excellent condition.

13. EXCLUSIONS

1. Dive equipment
2. Kayaks
3. Windsurfers and equipment