

Vessel
Balenciaga Newbuild 427 <i>Grampian Surveyor</i>

Vessel Particulars		
LOA	75.0 m	246.1 ft
LBP (<i>approx.</i>)	64.8 m	212.6 ft
Beam	16.0 m	52.5 ft
Draft (max)	5.7 m	18.5 ft
Depth (main deck->keel)	7.0 m	23.0 ft

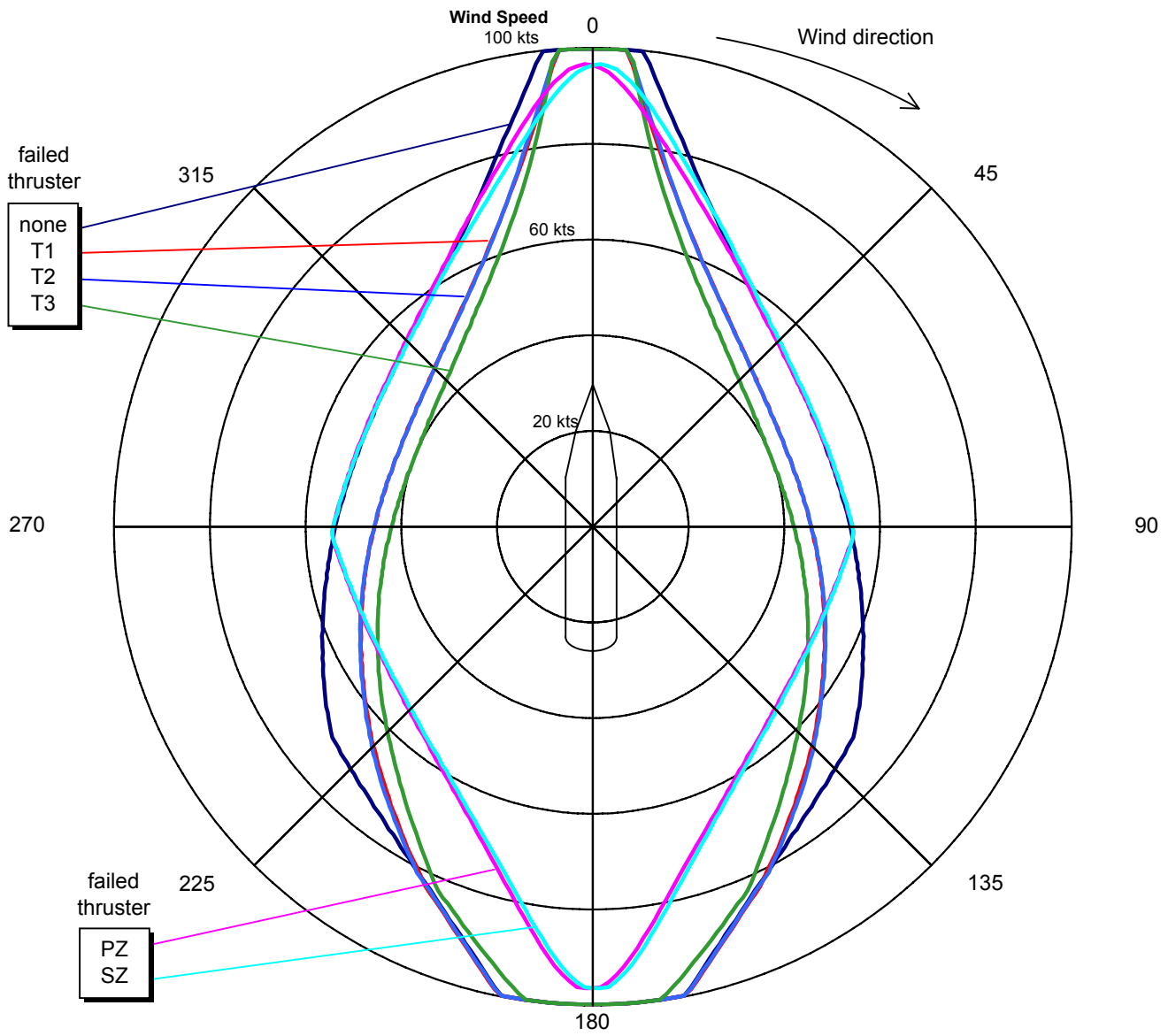
Propulsor Details								
Thruster	Power		Thrust		Offsets (<i>from COR - + Fwd, + Stbd</i>)			
	kW	hp	lb (Max)	lb (Min)	X (m)	X (ft)	Y (m)	Y (ft)
Bow #1 Tunnel	767	1029	24504	0	27.3	89.6	0.0	0.0
Bow #2 Tunnel	767	1029	24504	0	24.9	81.7	0.0	0.0
Bow #3 Azimuth	883	1184	35969	0	22.5	73.9	0.0	0.0
Port Main Azimuth	2200	2950	66993	0	-32.2	-105.6	-4.0	-13.1
Stbd. Main Azimuth	2200	2950	66993	0	-32.2	-105.6	4.0	13.1

Notes
<ul style="list-style-type: none"> - All locations based on GA drawing supplied by Customer. - Current in-flow addressed at 6%/knot of in-flow velocity. - Standard workboat scaled aerodynamic and hydrodynamic curves used. - Power and thrust values supplied by Customer (via NIX Aberdeen on 10/01/01). <p>ERN(a,b,c) analysis:</p> <ul style="list-style-type: none"> a: All thrusters operational. 100% thrust available. Minimum holding capability 51.4 kts b: Least impact thrust failure (PZ or SZ). 100% thrust available. Minimum holding capability 51.4 kts c: Greatest impact thrust failure (T3). 100% thrust available. Minimum holding capability 40.0 kts <p style="text-align: center;">ERN(99.0, 99.0, 98.5)</p>



ERN(99.0, 99.0, 98.5)

Vessel			
<i>Balenciaga Newbuild 427 Grampian Surveyor</i>			
Propulsors		Environment	
Bow thrusters	2 × 767 kW tunnel thruster	Max. Wind Speed	100.0 kt
Bow thruster	1 × 883 kW azimuthing thruster	Current Speed	0.75 m/s
Stern Z-drives	2 × 2200 kW	Sig. Wave Hgt.	Per wind
100% operating thrust available		Collinear environment	



Date: 12/07/03

Created by: CAS

Holding plots are based on customer supplied information and are only estimates. True vessel capability must be determined through sea trials.