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DATA FOR ESTIMATION FOR RRS PERFORMANCE

Ship O	wner		Type of Snip	
HULL DATA:				UNITS:
	UDES	Ship design speed (or maximum sp	peed)	knots
	Ü	Ship speeds for simulation:	Speed 1	knots
	_		Speed 2	knots
			Speed 3	knots
	L	Length between perpendiculars	-	m
		Ship beam		m
	BWL	Breadth at water line		m
	BR	Bottom rise at midship		degrees
	BK	Ship has bilge keels		(yes/no)
	TF	Draught forward		m
	TA	Draught Aft		m
	DISP	Displacement		m³
	KG	Vertical center of gravity		m
	GM	Metacentric height		m
	TP	Ship's roll period (if available)		seconds
	A0	Midship section area coefficient		-
	• • •	The second second		
Rudder	Data:			
· · · · ·		Number of rudders		<u> </u>
	AR	Rudder area per rudder		m²
	RR	Rudder rate:	One pump	deg/sec
	·		Two pumps	deg/sec
	ARH	Horn area per rudder	•	m²
	RD	Rudder depth from water line		m
	RH	Rudder height at stock		m
	FR	High lift rudder type		(yes/no)
	RS	Rudder in slip stream of propeller		(yes/no)
		•		-
Propeller Data:				
	NP	Number of propellers		•
	D	Propeller diameter		m
• <u>- </u>		·		
;				
	SY	MBOLS ,	Г	Dien
	 	BEAM		$CB = \frac{DISP}{TE + TA}$
	1	M DEAM	7	L*BWL* TF+TA
	1	GM M		
	1			
	1	† • • • • • • • • • • • • • • • • • • •	1	
	1	70.0	. 1	

TF TA

BR

RD

ARH

AR

AR and ARH are projected areas

KG

CL