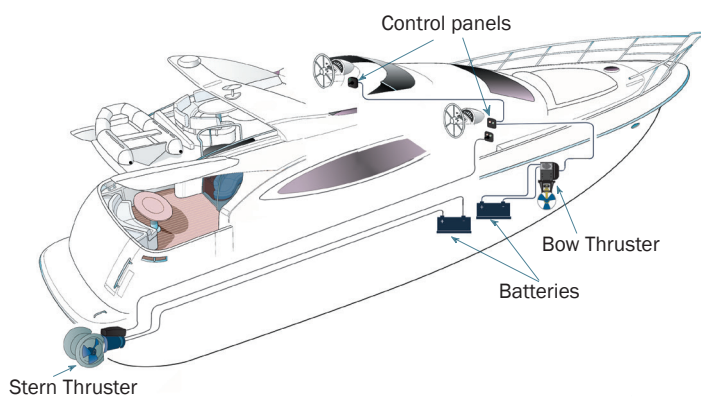


## BOW THRUSTERS

Decades of experience in propulsion technologies have brought Twin Disc to the development of our thrusters line. Reliable and high-performing, Twin Disc bow thrusters are suitable for applications from 6 to 40 mt (20' - 132').

Major boatyards appreciate the Twin Disc thrusters' compact design and easy installation. All available thrusters (with the exception of BT35) can be installed in the front or back of the boat, working as bow or stern thruster. The electric motor can be placed in any position, vertically or horizontally, with no impact on system performance.



## ORDER GUIDE

	Measure	BT 35N	BT 55N	BT 85N	BT 100N	BT 120N	BT 160N
Typical boat size*	Open	6 - 10 20' - 33'	9 - 12 30' - 38'	11 - 14 36' - 46'	13 - 16 43' - 53'	15 - 18 49' - 59'	17 - 19 56' - 63'
	Fly	6 - 9 20' - 30'	8 - 11 26' - 36'	10 - 13 33' - 43'	12 - 15 39' - 49'	13 - 16 43' - 53'	15 - 18 49' - 59'
	Sail	4,5 - 8 15' - 26'	7 - 10 23' - 33'	9 - 12 30' - 39'	11 - 14 36' - 46'	13 - 16 43' - 53'	15 - 18 49' - 59'
Thrust	Kgf	35	55	85	100	120	160
	lbs	78	122	188	220	265	353
	N	343	540	834	981	1177	1570
Tunnel I.D.	mm	125	185	185	185	185	250
	in	4, 92"	7, 28"	7, 28"	7, 28"	7, 28"	9, 84"
Power	KW	2,2	3	5,3	6	8	8
	Hp	3	4	7,1 (12V) - 4, 8, 6, 4 (24V)	8	10, 7	10, 7
Voltage	V	12	12	12	12	24	24
		24	24	24	24		
Battery cable: max length from positive and negative in (m) given the cable section (mm²)	(m-mm²)	(6-25) (9-35) (14-50) (18-70)	(5-25) (7-35) (10-50) (14-70) (18-25) (22-35) (N/R-50) (N/R-70)	(4-25) (6-35) (8-50) (10-70) (16-95) (20-120) (25-150) (29-175) (12-25) (16-35) (24-50) (32-70) (N/R-95) (N/R-120) (N/R-150) (N/R-175)	(N/R-25) (N/R-35) (N/R-50) (6-70) (8-95) (12-120) (15-150) (20-175) (N/R-25) (N/R-35) (10-50) (20-70) (25-95) (35-120) (40-150) (N/R-175)	(6-25) (10-35) (12-50) (20-70) (25-95) (35-120) (45-150) (N/R-175)	(N/R-25) (6-35) (10-50) (20-70) (25-95) (35-120) (45-150) (N/R-175)
Fuse	A	250	250 125	355 160	500 355	355	425
Power consumption	A	273 (12V)	350 (12V) 175 (24V)	580 (12V) 280 (24V)	600 (12V) 420 (24V)	433 (24V)	433 (24V)
Weight	Kg	10, 5	20	25	26	45	52
	lb	23, 2	44	55, 1	57, 3	99	114, 6

\* These values shall be intended as merely indicative. The performance of each thruster depends on several different factors.



Specifications subject to change without prior notice in the interest of continual product improvement.  
Contact your local Twin Disc representative for engineering specifications.



Scan QR code to see Twin Disc's entire marine product line.

## HYDRAULIC THRUSTERS

### Main Features

- Available for applications up to 40 mt - 131'
- Design for a low hydrodynamic resistance
- Double counter-rotating propeller
- Transmission gears built in high tensile materials
- Quiet operation
- High quality materials suitable to the marine environment
- Wide range of hydraulic components in different sizes for a complete system and different configurations
- Bow and stern mounting options
- Easy installation
- Conforming to the highest production standards
- Easy access to spare parts



### ORDER GUIDE

		Measure	BP 220	BP 300	BP 400	BP 550	BP 600
Typical boat size*	Open	mt • ft	13 - 24 42' - 78'	17 - 31 56' - 102'	20 - 35 65' - 115'	27 - 38 88' - 124'	29 - 43 95' - 141'
	Fly		15 - 23 49' - 75'	18 - 28 59' - 92'	21 - 33 69' - 108'	28 - 36 92' - 118'	30 - 41 98' - 134'
Nominal thrust	Kgf • N lbs		220 • 2158 485	300 • 2943 661	400 • 3924 881	550 • 5886 1322	600 • 5886 1333
Tunnel I.D.	mm in		250 9,83"	300 11,8"	355 14"	400 15,75"	450 17,72"
Nominal Power	KW Hp		18,7 25	28,5 38	35 47	48,5 65	60 82
Hydraulic motor	cc in/cu		11 / 14 0,67 / 0,87	18 / 21 1 / 1,28	21 / 26 1,28 / 1,58	50 / 58 3 / 3,54	50 / 58 3,54
Weight	Kg lb		24 53	35 77	45 99	75 165	85 189

Twin Disc offers to boat builders and design engineers a complete "package" of products such as propulsion systems, gearboxes, transmissions, control and steering systems, together with customized solutions and efficient technical support. Twin Disc offers global customer service for the development and realization of the whole kinematics system. A dynamic team of engineers, technicians and professionals are devoted to help customers from the development phase to service on board.

HYDRAULIC STEERING SYSTEMS  
ELECTRONIC STEERING SYSTEMS  
COMPLETE SHAFT LINES  
TRIM TAB SYSTEMS  
BOW & STERN THRUSTERS  
HYDRAULIC ACTUATORS  
MULTI-FUNCTION ELECTRO-HYDRAULIC  
POWER UNITS



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