



Chongqing Hi-Sea Marine Equipment Import & Export Co.,Ltd.

F20-5,General Chamber of Commerce Building, No.2 Hongjin Street,

Yubei District, Chongqing, China 401147

Tel: +86-23-67964609

Fax:+86-23-67956622, 67955123

E-mail: power@hiseamarine.com

MSN:hsmarine8@hotmail.com

http://www.hiseamarine.com

1.Tunnel thruster(Bow thruster)

Fixed pitch propeller tunnel thruster parameters												
Model	FP-500	FP-600	FP-700	FP-800	FP-900	FP-1000	FP-1100	FP-1300	FP-1480	FP-1650	FP-2000	FP-2400
Max input power	63/72	90/105	135/165	180/190	200/235	280/290	315/340	445/480	560/620	680/730	1050/900	1580/1720
Ratio	1.52	2.071	2.07	2.417	2.42	3.09	3.09	3.78	4.364	4.73	4.82	4.63
Max input torque	600	900	900	1400	1400	2100	2100	3000	3800	4500	7250	15400
Max input speed	1450/1750	1450/1750	1450/1750	1450/1750	1450/1750	1450/1750	1450/1750	1450/1750	1450/1750	1450/1750	1450/1190	980/1190
Propeller speed	954/1151	700/845	700/845	600/724	600/724	469.1/566	469.1/566	384/463	332.3/401	307/370	301/247	211/257
Propeller diameter	500	600	700	800	900	1000	1100	1300	1480	1650	2000	2400
Max thrust	10/11.2	14.5/16.3	20/24.8	29.5/30.5	31/35.4	43/45.2	49/53.8	67/73	88/95	105/110	165/150	250/260
Cylinder length	600	800	800	920	920	1045	1045	1190	1320	1446	1680	1990
Cylinder internal	515	615	715	818	918	1020	1120	1328	1510	1680	2030	2430



Electric FP type



Electric CP type



Hydraulic FP type

Controllable pitch propeller tunnel thruster parameters							
Model	CP-1000	CP-1100	CP-1300	CP-1650	CP-2000	CP-2400	CP-2800
Max input power	280	315/335	445/480	680/730	1050/900	1580/1720	2000/1910
Ratio	3.09	3.09	3.78	4.72	4.82	4.645	4.395
Max input speed	1450/1750	1450/1750	1450/1750	1450/1750	1450/1190	980/1190	980/880
Propeller speed	469.1/560	469/566	384/463	307/370	301/247	211/256	223/200
Propeller diameter	1000	1100	1300	1650	2000	2400	2800
Max thrust	43	46/47	66/67	97/105	155/144	239/242	298/297
Cylinder length	1045	1045	1190	1446	1680	1990	2280
Cylinder internal	1020	1120	1328	1680	2030	2430	2836

Spare parts stock:



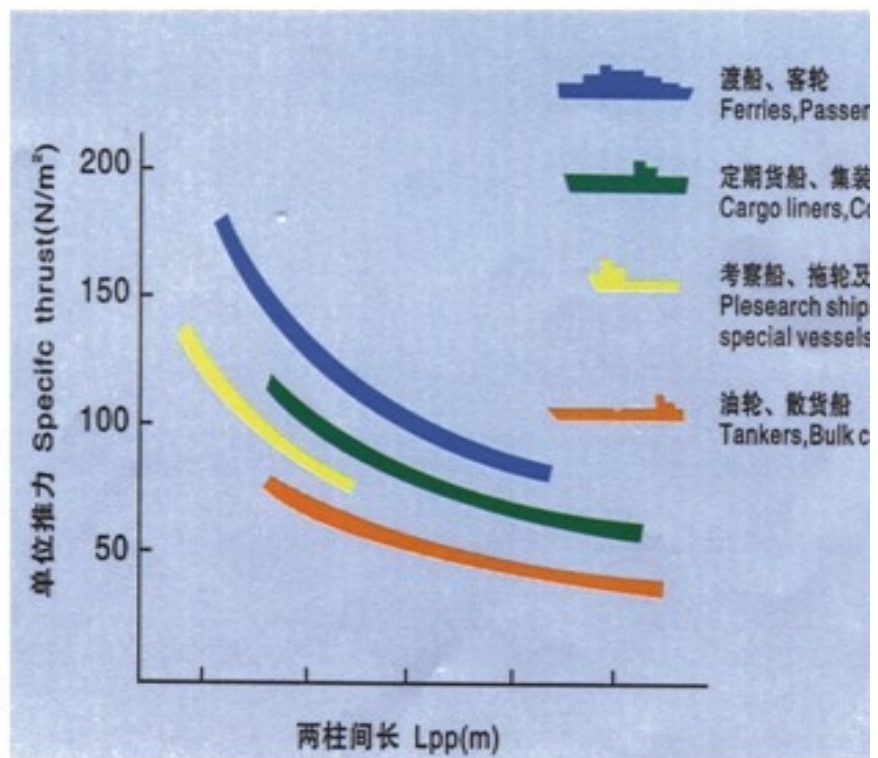
选择功率 Selecting the power

以下图表是根据我们以往经验编制的功率配备表。单位推力是指水准以下船体长度方向每单位投影面积的能力。

当一些船舶要求有更快的机动性或更大的抗风能力时，单位推力可根据需要增加。

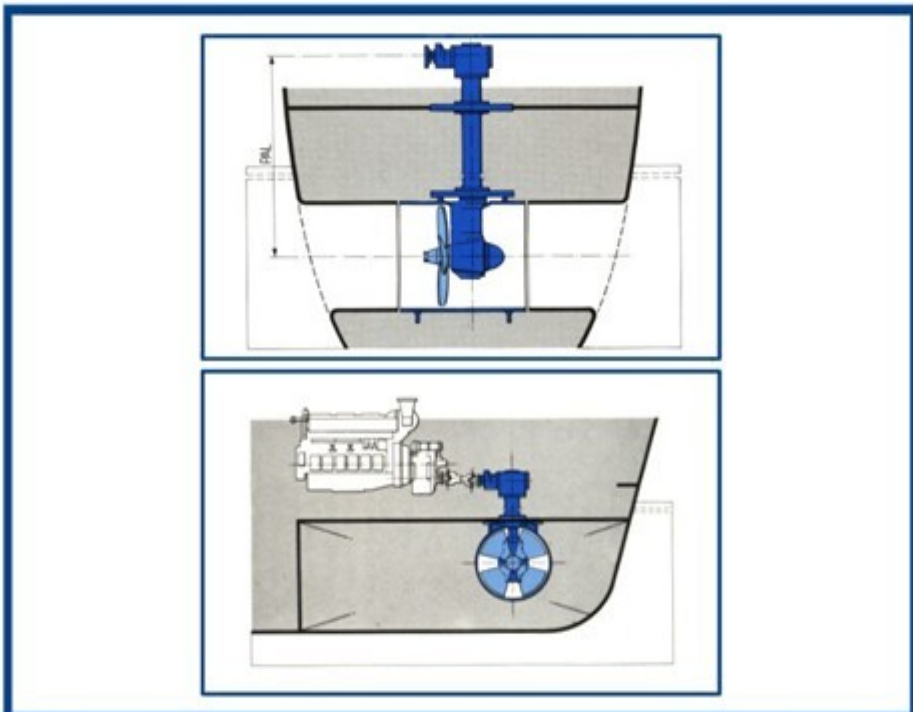
The following figure to the side thruster power and is based on our records, Specific thrust means thrust per unit of the submerged hull's longitudinal projected area.

In some vessels requiring fast running or receiving large wind force, Specific thrust is to be increased as necessary.



Tunnel thruster have 2 transmission type: L transmission type and Z transmission type:

Z型传动侧推 Z-Drive Tunnel Thruster



L型传动侧推 L-Drive Tunnel Thruster

