



How to use this chart?

Determine the size of the steering ram on your vessel. Then, select the corresponding Octopus replacement pump suitable for that size. Alternatively, if you are replacing your existing pump; find your manufacturer and pump model on the left hand side then select the Octopus replacement pump which has similar steering ram applications.

CROSS REFERENCE CHART: REVERSING PUMPS																				
MANUFACTURER	PUMP MODEL	STEERING RAMS DISPLACEMENT (CUBIC INCHES)													ADJUSTABLE H.O. to H.O. SPEED	PEAK CURRENT (AMPS)	NORMAL STEER CURRENT (AMPS)			
		4	6	8	10	12	14	16	18	20	22	24	26	28				30		
Octopus	1212																	yes	19	6-8
Octopus	2012																	yes	22	7-9
B & G	Size 1																	no	12	5-7
B & G	Size 2																	no	25	8-10
Cetrek	930-160																	no	15	6-8
Cetrek	930-161																	no	20	8-10
Cetrek	930-162																	no	25	10-12
Comnav	18 CI																	yes	19	6-8
Comnav	30 CI																	yes	22	7-9
Coursemaster	CM1212																	yes	19	6-8
Coursemaster	CM2012																	yes	22	7-9
Furuno	HRP05																	no	n/a	n/a
Furuno	HRP11																	no	n/a	n/a
Furuno	HRP17																	no	n/a	n/a
Hydraulic Projects	PR1012																	no	22	12
Hydraulic Projects	PR1512																	no	22	14
Hydraulic Projects	PR2012																	no	22	16
Lecomble & Schmitt	RV1																	yes	15	n/a
Lecomble & Schmitt	RV2																	yes	23	n/a
Lecomble & Schmitt	RV3																	yes	29	n/a
Marsili	AC07R12																	no	n/a	n/a
Marsili	AC12R12																	no	n/a	n/a
Marsili	AC20R12																	no	n/a	n/a
Navico	HD6A																	yes	19	6-8
Navico	HD7A																	yes	22	7-9
Raymarine	Type 1																	no	18	8-10
Raymarine	Type 2																	no	22	10-12
Raymarine	Type 3																	no	30	16-18
Simrad	RPU80																	no	14	5-7
Simrad	RPU160																	no	19	7-9
Simrad	RPU200																	no	15	6-8
Simrad	RPU300																	no	22	7-9
Si-Tex	18 CI																	yes	19	6-8
Si-Tex	30 CI																	yes	22	7-9
TMQ	CM1212																	yes	19	6-8
TMQ	CM2012																	yes	22	7-9

Subject to change without notice.



How to use this chart?

Determine the size of the steering ram on your vessel. Then, select the corresponding Octopus replacement pump suitable for that size. Alternatively, if you are replacing your existing pump; find your manufacturer and pump model on the left hand side then select the Octopus replacement pump which has similar steering ram applications.

CROSS REFERENCE CHART: CONTINUOUS RUNNING PUMPS																		
MANUFACTURER	PUMP MODEL	STEERING RAMS DISPLACEMENT (CUBIC INCHES)														ADJUSTABLE H.O. to H.O. SPEED	PEAK CURRENT (AMPS)	NORMAL STEER CURRENT (AMPS)
		20	25	30	35	40	45	50	55	60	65	70	75	80	85			
Octopus	CRA-02F	█	█	█												no	24	9-11
Octopus	CRA-02		█	█	█											yes	24	10-12
Octopus	CR-03					█	█	█								no	35	12-14
Octopus	CRA-04								█	█	█					no	40	15-17
Coursemaster	CM3012					█	█	█								no	35	12-14
Coursemaster	CM3024					█	█	█								no	18	6-8
Furuno	HPU75	█	█	█	█	█										yes	n/a	n/a
Hydraulic Projects	PC25FCU12	█	█	█												yes	40	15-17
Lecomble & Schmitt	EV2	█	█													yes	24	n/a
Lecomble & Schmitt	EV3	█	█	█	█											yes	30	n/a
Lecomble & Schmitt	HVR	█	█	█	█	█	█	█								yes	37	n/a
Raymarine	CR1	█	█	█												no	24	12-14
Raymarine	CR2			█	█	█	█	█	█	█	█	█				no	26	10-12

Please contact factory for steering cylinder sizes 70 to 200 cubic inches.

Subject to change without notice.



How to use this chart?

Find the manufacturer and pump model on the left hand side and select the Octopus drive unit at the top that closely matches the specification.

CROSS REFERENCE CHART: LINEAR ACTUATORS												
MANUFACTURER	HYDRAULIC	MECHANICAL	LINEAR MODEL	PEAK THRUST (LBS)	PEAK PUMP PRESSURE (LB/IN ²)	TILLER ARM RADIUS (INCHES)	STROKE (INCHES)	MAX RUDDER TORQUE (LB x IN)	RUDDER MOVEMENT	PEAK CURRENT (AMPS)	NORMAL STEER CURRENT (AMPS)	H.O. to H.O. (seconds)
Octopus	x		1012LA7	882	750	6	7	6,570	± 35 deg	19	5-7	8
Octopus	x		1212LA12	882	650	10	12	9,500	± 35 deg	19	6-8	14
Octopus	x		2012LA12	1,322	650	10	12	12,740	± 35 deg	22	7-9	12
Octopus	x		CRALA12	1,862	950	10	12	18,620	± 35 deg	32	10-12	12
B & G	x		Size 1	770	600	8	9.5	6,200	± 35 deg	12	5-7	14
B & G	x		Size 2	1,540	580	8	9.5	12,350	± 35 deg	25	8-10	14
B & G (24v)	x		Size 3	2,650	1000	8	9.5	21,200	± 35 deg	25	8-10	17
Cetrek	x		930-130	1,092	750	8.8	10	9,600	± 35 deg	15	6-8	11
Cetrek	x		930-135	1,305	660	8.8	10	11,500	± 35 deg	20	8-10	9
Cetrek	x		930-132	2,024	750	9.5	11	19,230	± 35 deg	25	10-12	10
Comnav	x		10340019	950	650	10	12	9,500	± 35 deg	19	6-8	14
Coursemaster	x		CM1012L	950	650	10	12	9,500	± 35 deg	19	6-8	14
Furuno	x		LA11	n/a	n/a	n/a	9	n/a	± 35 deg	n/a	n/a	n/a
Furuno	x		LA17	n/a	n/a	n/a	12	n/a	± 35 deg	n/a	n/a	n/a
Hydraulic Projects	x		HS40	675	n/a	n/a	10	n/a	± 35 deg	22	6-8	13
Hydraulic Projects	x		HS50	1080	n/a	n/a	12	n/a	± 35 deg	n/a	n/a	n/a
Hydraulic Projects	x		ML40	675	n/a	n/a	10	n/a	± 35 deg	22	6-8	13
Lecomble & Schmitt	x		2201786	617	n/a	6	8	n/a	± 35 deg	n/a	n/a	n/a
Lecomble & Schmitt	x		2201788	992	n/a	7	9	n/a	± 35 deg	n/a	n/a	n/a
Lecomble & Schmitt	x		2201790	1543	n/a	9	11	n/a	± 35 deg	n/a	n/a	n/a
Navico	x		HD1A	1,095	750	6	7	6,570	± 35 deg	19	5-7	8
Navico	x		HD2A	1,095	750	6	7	6,570	± 35 deg	19	5-7	8
Navico	x		HD3A	950	650	10	12	9,500	± 35 deg	19	6-8	14
Navico	x		HD4A	950	650	10	12	9,500	± 35 deg	19	6-8	14
Raymarine		x	Type 1	650	n/a	10.5	12	6,500	± 35 deg	14	8-10	11
Raymarine		x	Type 2S	1,050	n/a	10.5	12	10,500	± 35 deg	18	10-12	11
Raymarine		x	Type 2L	1,050	n/a	14	16	14,700	± 35 deg	18	10-12	14
Raymarine	x		Type 2	1,290	650	8.7	10	11,300	± 35 deg	22	12-14	10
Raymarine	x		Type 3	2,700	930	10.5	12	28,800	± 35 deg	30	16-18	12
Simrad		x	MLD200	440	n/a	10.4	11.8	4,350	± 35 deg	6	4-6	15
Simrad	x		HLD350	770	530	6.5	7.9	5,034	± 35 deg	12	4-6	12
Simrad	x		HLD2000L	770	530	11.8	13.4	9,062	± 35 deg	12	6-8	19
Simrad (24v)	x		HLD2000SD	1,540	640	6.5	7.9	10,068	± 35 deg	24	10-12	11
Simrad (24v)	x		HLD2000LD	1,540	640	11.8	13.4	18,124	± 35 deg	24	10-12	19

Subject to change without notice.