



# Advance / Hangzhou Gearboxes

# Continuous Marine Rating – Horsepower (PS)

Model	Engine Speed	Available Ratios	PS / 100 rpm	1500 rpm	1800 rpm	2000 rpm	2200 rpm	2500 rpm	3000 rpm	Housing Options	Drop mm	Weight kg
Mechanical Gearboxes												
06	1000 – 2200	2.52, 3.05, 3.50	0.6	9	11	12	13			Several	124	58
16A	1000 – 2200	2.07, 2.48, 2.95, 3.35, 3.83	1.6	24	29	32	35			Several	135	84
Hydraulic Gearboxes												
MA100A	1500 – 3000	1.6, 2.0	1.2	18	22	24	26	30	30	5, 4, 3	100	75
		2.55, 3.11	1.0	15	18	20	22	25	25			
		3.59, 3.88	0.8	12	14	16	18	20	20			
MA125A	1500 – 3000	2.03, 2.46	2.7	41	49	54	59	68	68	4, 3, 2	125	115
		3.04	2.5	37	45	50	55	63	63			
		3.57	2.2	33	40	44	48	55	55			
		4.05	1.9	29	34	38	42	48	48			
		4.39	1.7	26	31	34	37	43	43			
		4.70	1.5	23	27	30	33	38	38			
MA142A	1500 – 2500	1.97, 2.52, 3.03	4.0	60	72	80	88	90		3, 2	142	140
		3.54	3.3	50	60	66	73	75				
		3.95	2.9	44	52	58	64	65				
		4.50	2.6	39	47	52	57	59				
		5.06	2.2	33	40	44	48	50				
		5.47	1.8	27	32	36	40	41				
40A	1000 – 2000	2.07, 2.68, 2.96	4.1	62	74	82				3, 2, 1	140	225
MB170	1000 – 2500	1.97, 2.52, 3.04, 3.54, 3.96	5.3	80	95	106	117	133		3, 2, 1	170	240
		4.50, 5.06	4.2	63	76	84	92	105				
		5.47, 5.88	3.7	56	67	74	81	93				

Continuous Pump Rating less 15%  
Slurry Pump rating less 20%

1 PS = 0.7353 kW

1 kW = 1.36 PS



## Advance / Hangzhou Gearboxes

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Model	Engine Speed	Available Ratios	PS / 100 rpm	1200 rpm	1500 rpm	1800 rpm	2000 rpm	2200 rpm	2500 rpm	Housing Options	Drop mm	Weight kg
120B	1000 – 1800	2.03, 2.82	12.0	144	180	216				1	190	360
120C	1200 – 2800	1.48, 1.94, 2.45	13.6	163	204	245	272	299	340	3, 2, 1	180	225
		2.96	12.2	146	183	220	244	268	305			
		3.35	10.9	131	164	196	218	240	273			
135A	1000 – 2000	2.03, 2.59, 3.04, 3.62, 4.11	13.6	163	204	245	272			1	225	470
		4.65	12.6	151	189	227	252					
		5.06	12.0	144	180	216	240					
		5.47	10.5	126	158	189	210					
		5.81	9.5	114	143	171	190					
MB242	1000 – 2500	3.04, 3.52, 3.95, 4.53	14	168	210	252	280	308	350	1	242	385
		5.12	13.6	163	204	245	272	299	340			
		5.56	12.8	154	192	230	256	282	320			
		5.94	10.1	121	152	182	202	222	253			
MB270A	1000 – 2500	4.05, 4.53, 5.12	20	240	300	360	400	440	500	1, 0	270	675
		5.50	18.2	218	273	328	364	400	455			
		5.95	15	180	225	270	300	330	375			
		6.39, 6.82	12	144	180	216	240	264	300			

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## Advance / Hangzhou Gearboxes Continuous Marine Rating – Horsepower (PS)

Model	Engine Speed	Available Ratios	PS / 100 rpm	1200 rpm	1500 rpm	1800 rpm	2000 rpm	2200 rpm	2500 rpm	Housing Options	Drop mm	Weight kg
300	1000 – 2500	1.50, 2.04, 2.54	35	420	525	630	700	770	875	1, 0	264	740
		3.00	33	396	495	594	660	726	825			
		3.53	30	360	450	540	600	660	750			
		4.10	25	300	375	450	500	550	625			
D300A	1000 – 2500	4.00	35	420	525	630	700	770	875	1, 0	355	880
		4.48	33	396	495	594	660	726	825			
		5.05	30	360	450	540	600	660	750			
		5.52, 5.90, 6.56	25	300	375	450	500	550	625			
		7.06	20	240	300	360	400	440	500			
		7.63	17	204	255	306	340	374	425			
T300	1000 – 2300	6.03, 6.65, 7.04	33	396	495	594	660	726		1, 0	355	1120
		7.54	30	360	450	540	600	660				
400	1000 – 2200	1.50, 2.04, 2.48, 3.00, 3.47	45	540	675	810	900	990		1, 0	264	820
		3.94	38	456	570	684	760	836				
		4.73	25	300	375	450	500	550				
D400	1000 – 2200	4.00, 4.23, 4.48, 4.70, 5.00	45	540	675	810	900	990		1, 0	355	1100
		5.47	40	480	600	720	800	880				
		5.89	38	456	570	684	760	836				
T400	1000 – 2200	6.11, 6.51, 6.96, 7.45	45	540	675	810	900	990		1, 0	375	1450
		7.95	41	492	615	738	820	902				
		8.53	38	456	570	684	760	836				
		9.00	36	432	540	648	720	792				
		9.47	33	396	495	594	660	726				

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Slurry Pump rating less 20%

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## Continuous Marine Rating – Horsepower (PS)

Model	Engine Speed	Available Ratios	PS / 100 rpm	1000 rpm	1200 rpm	1500 rpm	1800 rpm	2000 rpm	2100 rpm	Housing Options	Drop mm	Weight kg
600	1000 – 2100	2.00, 2.48, 3.00	65	650	780	975	1170	1300	1365	0, 00	320	1300
		3.58	60	600	720	900	1080	1200	1260			
		3.89	55	550	660	825	990	1100	1155			
D600	1000 – 2100	4.18, 4.43	65	650	780	975	1170	1300	1365	0, 00	415	1550
		4.70	63	630	756	945	1134	1260	1323			
		5.00, 5.44	60	600	720	900	1080	1200	1260			
		5.71, 6.05	55	550	660	825	990	1100	1155			
T600	1000 – 2100	6.06	60	600	720	900	1080	1200	1260	0, 00	415	1600
		6.49	55	550	660	825	990	1100	1155			
		6.97, 7.51	50	500	600	750	900	1000	1050			
		8.05	46	460	552	690	828	920	966			
		8.69	41	410	492	615	738	820	861			
		9.35	38	380	456	570	684	760	798			
900	1000 – 2100	1.46, 2.04, 2.48, 3.05	91	910	1092	1365	1638	1820	1911	0, 00	335	1500
		3.50	86	860	1032	1290	1548	1720	1806			
		4.08	81	810	972	1215	1458	1620	1701			
D900	1000 – 2100	3.96, 4.45, 5.06	91	910	1092	1365	1638	1820	1911	0, 00	450	1600
		5.41, 5.75, 5.94	86	860	1032	1290	1548	1720	1806			
		6.44	71	710	852	1065	1278	1420	1491			
		6.94	61	610	732	915	1098	1220	1281			

Continuous Pump Rating less 15%  
Slurry Pump rating less 20%

1 PS = 0.7353 kW

1 kW = 1.36 PS



# Marine Gearbox



## MA100A Marine Gearbox

30hp at 2500rpm

Type: Hydraulic

Maximum Speed: 3000 rpm

Maximum hp : 30.0 hp

Ratio	1.6	2.0	2.55	3.11	3.59	3.88
Max hp	30.0	30.0	25.0	25.0	20.0	20.0

Housing Options: SAE 3 SAE 4 SAE 5

Centre Distance: 100mm

Weight: 75 kg

Dimensions: L: 236 X W: 390 X H: 420



## MA125A Marine Gearbox

68hp at 3000rpm

Type: Hydraulic

Maximum Speed: 3000 rpm

Maximum hp : 68.0 hp

Ratio	2.03	2.46	3.04	3.57	4.05	4.39	4.70
Max hp	68.0	68.0	63.0	55.0	48.0	43.0	38.0

Housing Options: SAE 2 SAE 3 SAE 4

Centre Distance: 125mm

Weight: 115 kg

Dimensions: L: 291 X W: 454 X H: 485



## MA142A Marine Gearbox

90hp at 2500rpm

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 90.0 hp

Ratio	1.97	2.52	3.03	3.54	3.95	4.50	5.06	5.47
Max hp	90.0	90.0	90.0	75.0	65.0	59.0	50.0	41.0

Housing Options: SAE 2 SAE 3

Centre Distance: 142mm

Weight: 140 kg

Dimensions: L: 308 X W: 520 X H: 540



## 40A Marine Gearbox

82hp at 2000rpm

Type: Hydraulic

Maximum Speed: 2000 rpm

Maximum hp : 82.0 hp

Ratio	2.07	2.68	2.96
Max hp	82.0	82.0	82.0

Housing Options: SAE 1 SAE 2 SAE 3

Centre Distance: 140mm

Weight: 225 kg

Dimensions: L: 414 X W: 610 X H: 620



## MB170 Marine Gearbox

133hp at 2500rpm

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 133.0 hp

Ratio	1.97	2.52	3.04	3.54	3.96	4.50	5.06	5.47	5.88
Max hp	133.0	133.0	133.0	133.0	133.0	105.0	105.0	93.0	93.0

Housing Options: SAE 1 SAE 2 SAE 3

Centre Distance: 170mm

Weight: 240 kg

Dimensions: L: 485 X W: 610 X H: 656



# Marine Gearbox



## 120C Marine Gearbox

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 340.0 hp

Ratio	1.48	1.94	2.45	2.96	3.35
Max hp	340.0	340.0	340.0	305.0	273.0

Housing Options: SAE 1 SAE 2 SAE 3

Centre Distance: 180mm

Weight: 225 kg

**340hp at 2500rpm**

Dimensions: L: 352 X W: 694 X H: 650



## 135A Marine Gearbox

Type: Hydraulic

Maximum Speed: 2000 rpm

Maximum hp : 272.0 hp

Ratio	2.03	2.59	3.04	3.62	4.11	4.65	5.06	5.47	5.81
Max hp	272.0	272.0	272.0	272.0	272.0	252.0	240.0	210.0	190.0

Housing Options: SAE 1

Centre Distance: 225mm

Weight: 470 kg

**272hp at 2000rpm**

Dimensions: L: 578 X W: 744 X H: 830



## MB242 Marine Gearbox

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 350.0 hp

Ratio	3.04	3.52	3.95	4.53	5.12	5.56	5.94
Max hp	350.0	350.0	350.0	350.0	340.0	320.0	253.0

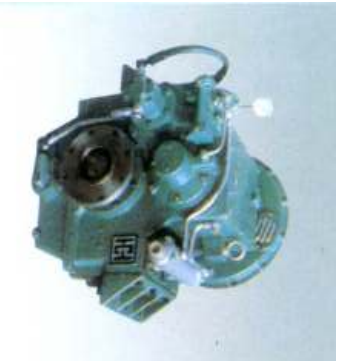
Housing Options: SAE 1

Centre Distance: 242mm

Weight: 385 kg

**350hp at 2500rpm**

Dimensions: L: 442 X W: 744 X H: 763



## MB270A Marine Gearbox

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 500.0 hp

Ratio	4.05	4.53	5.12	5.50	5.95	6.39	6.82
Max hp	500.0	500.0	500.0	455.0	375.0	300.0	300.0

Housing Options: SAE 0 SAE 1

Centre Distance: 270mm

Weight: 675 kg

**500hp at 2500rpm**

Dimensions: L: 594 X W: 810 X H: 868



## 300 Marine Gearbox

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 875.0 hp

Ratio	1.50	2.04	2.54	3.0	3.53	4.10
Max hp	875.0	875.0	875.0	825.0	750.0	625.0

Housing Options: SAE 0 SAE 1

Centre Distance: 264mm

Weight: 740 kg

**875hp at 2500rpm**

Dimensions: L: 638 X W: 870 X H: 864



# Marine Gearbox



## D300A Marine Gearbox

**875hp at 2500rpm**

Type: Hydraulic

Maximum Speed: 2500 rpm

Maximum hp : 875.0 hp

Ratio	4.00	4.48	5.05	5.52	5.90	6.56	7.06	7.63
Max hp	875.0	825.0	750.0	625.0	625.0	625.0	500.0	425.0

Housing Options: SAE 0 SAE 1

Centre Distance: 355mm

Weight: 880 kg

Dimensions: L: 638 X W: 920 X H: 1040



## T300 Marine Gearbox

**726hp at 2300rpm**

Type: Hydraulic

Maximum Speed: 2300 rpm

Maximum hp : 726.0 hp

Ratio	6.03	6.65	7.04	7.54
Max hp	726.0	726.0	726.0	660.0

Housing Options: SAE 0 SAE 1

Centre Distance: 355mm

Weight: 1120 kg

Dimensions: L: 640 X W: 920 X H: 1110



## 400 Marine Gearbox

**990hp at 2200rpm**

Type: Hydraulic

Maximum Speed: 2200 rpm

Maximum hp : 990.0 hp

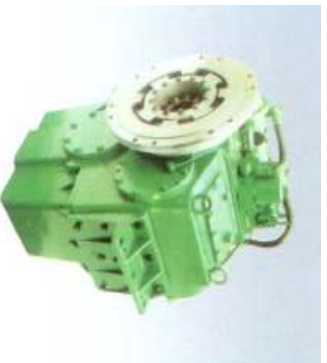
Ratio	1.50	2.04	2.50	3.00	3.42	4.06
Max hp	990.0	990.0	990.0	990.0	990.0	836.0

Housing Options: SAE 0 SAE 1

Centre Distance: 264mm

Weight: 820 kg

Dimensions: L: 641 X W: 890 X H: 890



## D400 Marine Gearbox

**990hp at 2200rpm**

Type: Hydraulic

Maximum Speed: 2200 rpm

Maximum hp : 990.0 hp

Ratio	4.00	4.33	4.48	4.70	5.00	5.47	5.89
Max hp	990.0	990.0	990.0	990.0	990.0	880.0	836.0

Housing Options: SAE 0 SAE 1

Centre Distance: 355mm

Weight: 1100 kg

Dimensions: L: 641 X W: 950 X H: 988



## T400 Marine Gearbox

**990hp at 2200rpm**

Type: Hydraulic

Maximum Speed: 2200 rpm

Maximum hp : 990.0 hp

Ratio	6.11	6.51	6.96	7.45	7.95	8.53	9.00	9.47
Max hp	990.0	990.0	990.0	990.0	902.0	836.0	792.0	726.0

Housing Options: SAE 0 SAE 1

Centre Distance: 375mm

Weight: 1450 kg

Dimensions: L: 784 X W: 992 X H: 1130





# Marine Gearbox



## HC600 Marine Gearbox

Type: Hydraulic

Maximum Speed: 2100 rpm

Maximum hp : 1260.0 hp

Ratio	2.00	2.48	3.00	3.58	3.89
Max hp	1260.0	1260.0	1260.0	1155.0	1029.0

Housing Options: SAE 0 SAE 00

Centre Distance: 320mm

Weight: 1300 kg

Dimensions: L: 745 X W: 1094 X H: 1126

**1260hp at 2100rpm**



## D600 Marine Gearbox

Type: Hydraulic

Maximum Speed: 2100 rpm

Maximum hp : 1260.0 hp

Ratio	4.18	4.43	4.70	5.00	5.44	5.71
Max hp	1260.0	1260.0	1197.0	1155.0	1029.0	1029.0

Housing Options: SAE 0 SAE 00

Centre Distance: 415mm

Weight: 1550 kg

Dimensions: L: 745 X W: 1094 X H: 1271

**1260hp at 2100rpm**



## T600 Marine Gearbox

Type: Hydraulic

Maximum Speed: 2100 rpm

Maximum hp : 1155.0 hp

Ratio	6.06	6.49	6.97	7.51	8.04	8.66	9.35
Max hp	1155.0	1029.0	945.0	945.0	861.0	756.0	735.0

Housing Options: SAE 0 SAE 00

Centre Distance: 415mm

Weight: 1600 kg

Dimensions: L: 805 X W: 1094 X H: 1271

**1155hp at 2100rpm**



## T600A/1 Marine Gearbox

Type: Hydraulic

Maximum Speed: 2100 rpm

Maximum hp : 1260.0 hp

Ratio	8.23	8.82	9.47	10.10	10.80	11.65	12.57
Max hp	1260.0	1176.0	1134.0	1071.0	1071.0	1008.0	945.0

Housing Options: SAE 0 SAE 00

Centre Distance: 500mm

Weight: 1700 kg

Dimensions: L: 878 X W: 1224 X H: 1346

**1260hp at 2100rpm**



## 900 Marine Gearbox

Type: Hydraulic

Maximum Speed: 1800 rpm

Maximum hp : 1638.0 hp

Ratio	1.46	2.04	2.48	3.05	3.50	4.08
Max hp	1638.0	1638.0	1638.0	1638.0	1548.0	1458.0

Housing Options: SAE 0 SAE 00

Centre Distance: 335mm

Weight: 1500 kg

Dimensions: L: 1115 X W: 850 X H: 1310

**1638hp at 1800rpm**