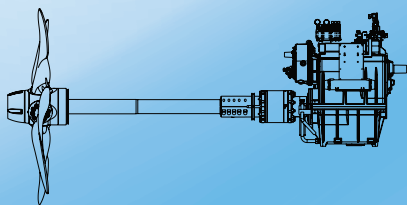




Masson Marine Selection Guide



PROPULSION MAKER SINCE 1908



SELECTION GUIDE

Company Profile	p. 4-5
Range Presentation	p. 6-7
Power Flows	p. 8-9
Options Description	p.10-12
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COMPANY PROFILE

Masson Marine, internationally renowned for over 110 years for the reliability and durability of our products, leads in the Marine Propulsion Technology. From designing, manufacturing and commissioning full range of gearboxes with hybrid systems and brakes, to integrated or external, shaft lines and controllable or fixed pitched propellers, Masson Marine can always be counted on.

Our Engineering professionals are specialised in both Marine and Mechanical sectors. They strive in achieving the highest standard possible when providing the best products designed for your specific needs.

Masson Marine offers a wide range of high quality and high performance products adapted to all propulsion systems (Diesel, Electric and Gas). Our reduction gearboxes and propellers comply with the quality standards of all major brand engine manufacturers worldwide.

Masson Marine is a proud provider of high-efficient marine propulsion system and helping ship owners and operators optimize their operation costs and reduce time for maintenance operation. A wide range of ship types are propelled and served by Masson Marine: more than 28,000 gearboxes and 1,000 controllable ship propellers. These have been utilised by various ships worldwide.



Establishment of the company in Courbevoie (near Paris)

1908



Integration to Pont-a-Mousson group (PAM) transfer of the company to Saint Denis les Sens.

1970's



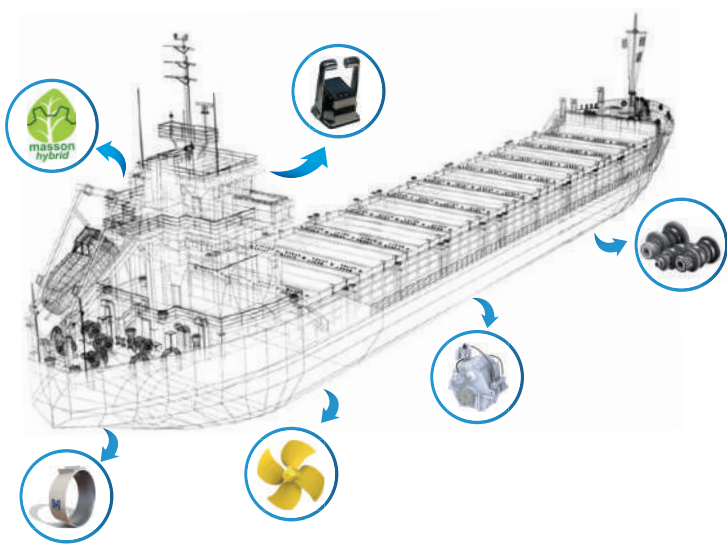
Integration to MAN/Renk group, as SEE (Societe Europeenne d'Engrenages)

1980's



Integration to ZF Marine group, as ZF Masson Development of the Controllable Pitch Propellers

2000's



Products in development.

2020



Enlargement of the range
W1900 series & W2900
2016-2017



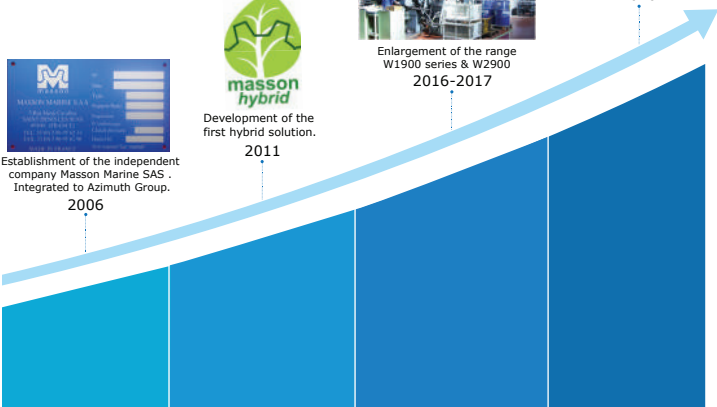
Development of the
first hybrid solution.

2011



Establishment of the independent
company Masson Marine SAS .
Integrated to Azimuth Group.

2006



Range From 200 HP to 5000 HP

Quality culture:

Strong R&D backed by 110 years of experience.
High quality control for each of the critical parts.
Complying with the most important classification societies.

Our products offer the highest level of durability.

Hybrid Solutions Available :

PTO (Power Take Out)
PTI (Power Take In)
Dual speed gearbox.



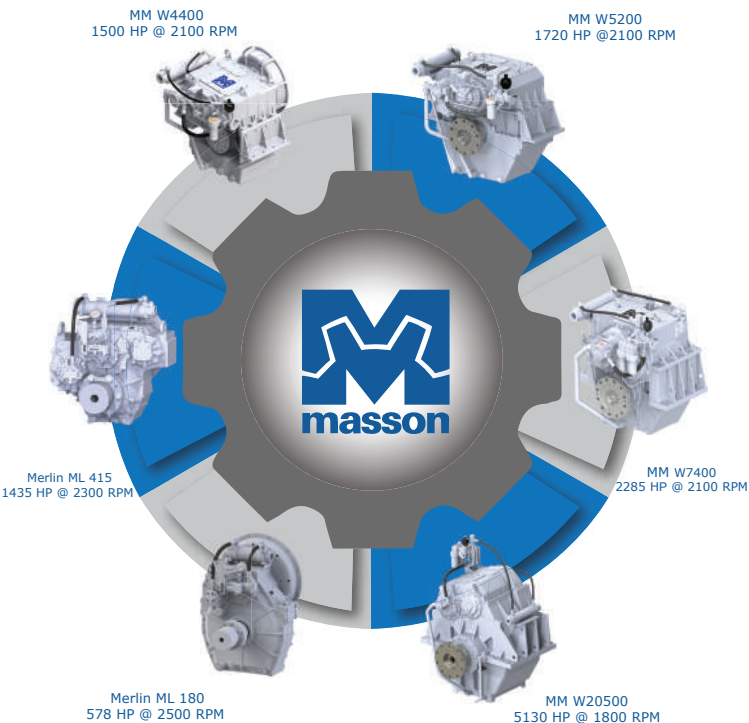
Cinematics

- Reduction gearboxes
- (NR) Non Reversing
- Horizontal or Vertical offset and (C) Coaxial
- (EW) Engine wise
- (CEW) Counter Engine Wise
- (NC) Non Clutchable for electric engine
- Twin input / Single output W2800Y

Options Available :

Trolling Valve
Trailing Pump
Bell housing (from #4 to #00)
Integrated shaft brake
Classification
Coupling
Deep ratio solution,
up to 15/1 for low propeller
RPM for maximum thrust
and efficiency.

The range that you need



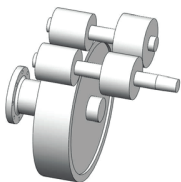
“ The values presented are purely indicative and are subject to change without notice. The performances and characteristics will be adapted for each project. For gearboxes requiring a certification from a classification society, the values may differ slightly. ”



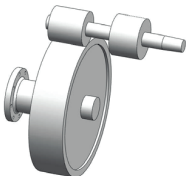
Power Flows

MM W1900/W1920/W1950

Reversing

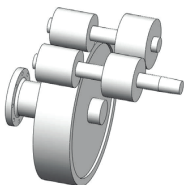


Non Reversing CEW

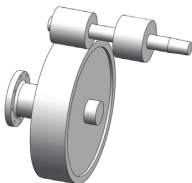


MM W2900/W3300/W3350/W3450/W3700/W3900/W4400/W5200

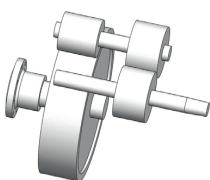
Reversing



Non Reversing CEW

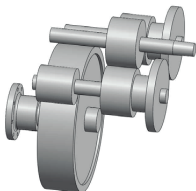


Non Reversing EW

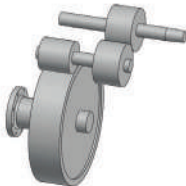


MM W4000/W5700/W6000/W6400/W7200/W7400

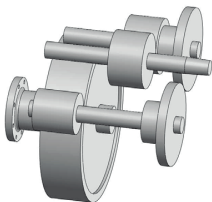
Reversing



Non Reversing EW



Non Reversing CEW

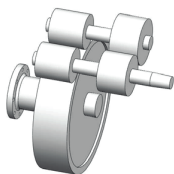




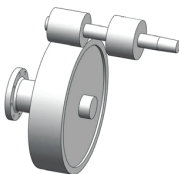
Power Flows

MM W8000/W8400/W8450/W12000/W17000 W18000/W20000

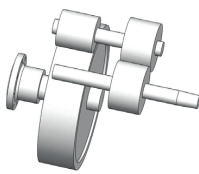
Reversing



Non Reversing CEW



Non Reversing EW

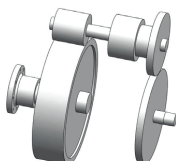


MM W8000C/W12000C/W18000C/W20500

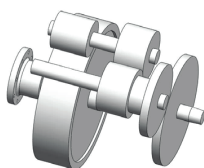
Reversing



Non Reversing EW

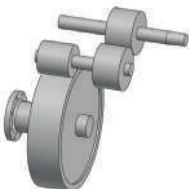


Non Reversing CEW



MM W8200NR/W12200NR/W18200NR/W20200NR

Non Reversing EW



Gearbox	Options									
	Range	Kinematics	SAE Bell	PTO 0	PTO 1	PTO 2	PTO 3	PTO A	PTO B2	PTO B3
ML90	MERLIN RANGE	CEW,NR CEW	#1,#2,#3,#4							
ML96		CEW,NR CEW	#1,#2,#3							
ML173		CEW,NR CEW	#1, #2							
ML175		CEW,NR CEW	#1, #2							
ML180		CEW,NR CEW	#1, #2							
ML225		CEW,NR CEW	#0, #1							
ML265		CEW,NR CEW	#0, #1	●						
ML415		CEW,NR CEW	#0, #1	●						
MM W1900	MM W RANGE	CEW,NR CEW	#0, #1							
MM W1920		CEW,NR CEW	#0, #1		●					
MM W1950		CEW,NR CEW	#0, #1		●					
MM W2900		CEW , NR CEW NR EW	#0, #1	●	●					
MM W3300		CEW , NR CEW / EW	#0, #1	●	●	●	●			
MM W3350		CEW , NR CEW / EW	#0, #1	●	●	●	●			
MM W3450		CEW , NR CEW / EW	#0, #1	●	●	●	●			
MM W3700		CEW , NR CEW / EW	#0, #1	●	●	●	●			
MM W3900		CEW , NR CEW / EW	#0, #1	●	●	●	●			
MM W4000		CEW, NR CEW / EW	#0, #1	●	●	●	●			
MM W4400		CEW , NR CEW / EW, NC	#0, #1	●	●	●	●			
MM W5200		CEW , NR CEW / EW	#00, #0	●	●	●	●			
MM W5700		CEW, NR CEW / EW	#00, #0	●	●	●	●			
MM W6000		CEW, NR CEW / EW	#00, #0	●	●	●	●			
MM W6400		CEW, NR CEW / EW	#00, #0	●	●	●	●			
MM W7200		CEW, NR CEW / EW	#00, #0	●	●	●	●			
MM W7400		CEW, NR CEW / EW	#00, #0	●	●	●	●			
MM W8000		CEW , NR CEW, NR EW , C , NRC CEW , NRC EW	-					●	●	●
MM W8400 MM W8450		CEW , NR CEW , NR , EW	-					●	●	●
MM W12000		CEW , NR CEW, NR EW , C	-					●	●	●
MM W17000		CEW , NR CEW, NR EW , C	-					●	●	●
MM W18000		CEW , NR CEW, NR EW , C	-					●	●	●
MM W20000		CEW , NR CEW, NR EW , C	-					●	●	●
MM W20500		CEW , NR CEW , NR , EW	-					●	●	●
MM W2800Y (RSY 281)								● *	●	

● Available on standard gearbox

* Strictly under R&D Office Validation



Options									
PTO B4	PTO C	PTI	DS	CPP	Twin Filter	Brake	Trailing pump**	200NR EW	Adjustable Brackets
									•
									•
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Be wary that option combinations might be impossible depending on your request

** Not available in case of CPP



OPTION AVAILABLE ALL RANGE



PTO : Power Take Off, available for most of the gearbox we offer many possibilities of number of output, torque and layout.



CPP : Controlable Pitch Propeller, can be fitted on non reversible gearboxes to replace the Fixed Pitch Propeller.



Integrated Shaft Brake : A solution to stop the propeller for emergency manoeuver.
(Available on request following R&D study)



Trolling Valve : Available on demand with specific hydraulic configuration to manoeuver at low speed, can also be used to power auxiliary devices during working operations.



Trailing Pump : Available in most gearboxes. It is important to lubricate your gearbox while your boat is running without the use of the engine.



Variable Brackets : Can be mounted on some gearboxes to adapt to your specific layout.



Twin filters : An additional filter which allows you to operate 100% of the time, also required for specific certifications.

MERLIN RANGE



**Our new range of
gearboxes
for all applications
from 200 HP
to 500 HP**



MERLIN ML 90/96



- Start of our Merlin range with high speed of rotation
- Compact

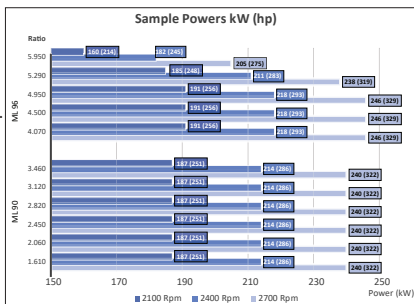
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					2100 rpm	2400 rpm	2700 rpm	
ML 90	0,089 (0,120)	267 (360)	3000	1,61	187 (252)	214 (288)	240 (324)	159 (350)
				2,06				
				2,45				
				2,82				
				3,12				
				3,46				
ML 96	0,091 (0,122)	273 (366)	3000	4,07	191 (256)	218 (293)	246 (329)	263 (579)
				4,50				
				4,95				
	0,088 (0,118)	264 (354)		5,29	185 (248)	211 (283)	238 (319)	
	0,076 (0,102)	228 (306)		5,95	160 (214)	182 (245)	205 (275)	

Option

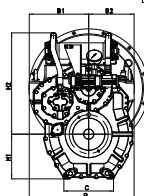
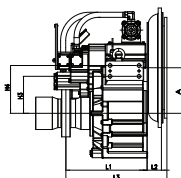
TV Trolling valve for slow-speed drive.

B Mounting brackets (L Shape).

- Electric clutch control.



														ML 90		ML 96		
Model	A	B	B1	B2	C	H1	H2	H3	H4	L1	L2	L3	Dry Weight kg (lb)	SAE N	L2	L3	L2	L3
ML 90	160	325	228	175	170	163	419	100,5	180,5	325	-	-	159 (351)	#1	75	425,4	81	457,4
ML 96	274	552	284	284	370	289	528	80	150	351	81	457	263 (579)	#2	35	399,6	44,5	435,1
														#3	35	399,6	44,5	435,1
														#4	50	428,8	-	-



MERLIN ML 173/175/180



- 3 gearboxes with same P/n with wide range of ratio

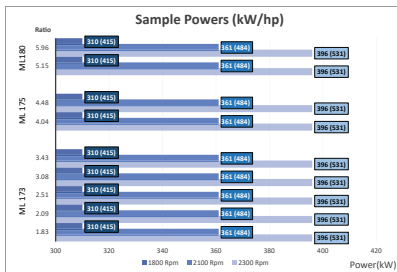
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1800 rpm	2100 rpm	2300 rpm	
ML 173	0,172 (0,231)	430 (577)	2500	1,83	310 (415)	361 (484)	396 (531)	287 (632)
				2,09				
				2,51				
				3,08				
				3,43				
ML 175	0,172 (0,231)	430 (577)	2500	4,04	310 (415)	361 (484)	396 (531)	352 (775)
				4,48				
ML 180	0,172 (0,231)	430 (577)	2500	5,15	310 (415)	361 (484)	396 (531)	475 (1047)
				5,96				

Option

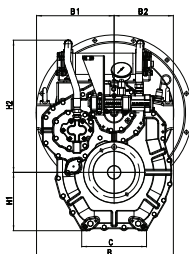
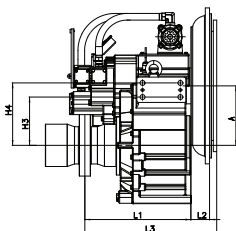
TV Trolling valve for slow-speed drive.

B Mounting brackets (L Shape).

- Electric clutch control.



															ML 173		ML 175		ML 180	
Model	A	B	B1	B2	C	H1	H2	H3	H4	L1	Dry Weight kg (lb)	SAE N°	DRIVING RING	L2	L3	L2	L3	L2	L3	
ML 173	211	416	275	210	218	217	486	171,25	221,25	378	287 (632)	#1	14"	64	467,4	88	503,6	64	516,9	
ML 175	260	316	280	258	316	260,5	522	246,7	176,7	390,2	352 (775)	#2	11,5"	46	463,3	46	482,2	46	513,1	
ML 180	331	654	337	337	425,5	336	626	25	115	427	475 (1047)									



MERLIN ML 225

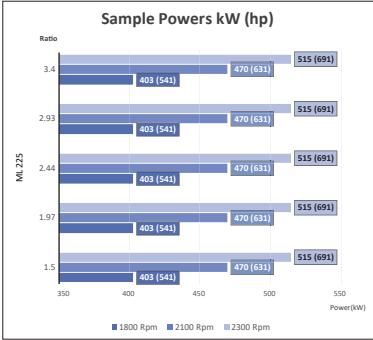


- Good compromise between good P/n and weight
- Advised for fast craft

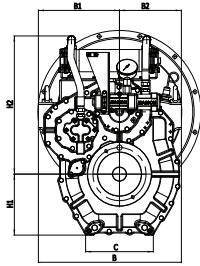
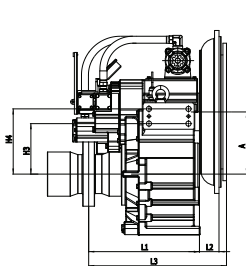
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1800 rpm	2100 rpm	2300 rpm	
ML 225	0,224 (0,300)	560 (750)	2500	1,500	403 (540)	470 (630)	515 (690)	400 (881)
				1,970				
				2,440				
				2,930				
				3,400				

Option

- TV Trolling valve for slow-speed drive.
- B Mounting brackets (L Shape).
- Electric clutch control.



Model	A	B	B1	B2	C	H1	H2	H3	H4	L1	Dry Weight kg (lb)	SAE No.	Operating RPM	A	B	C	L1	L2	L3	Ball Beams No.	Exhaust (ft)
ML 225	227	447	330	240	254	221	537,5	182	252	439	400 (881)	#0	18"	648	678	711	130	585	16	13,5	
												#1	14"	648	679,45	711	130	595	16	13,5	
												#1	14"	511	530	553	122	586	12	12	



MERLIN ML 265

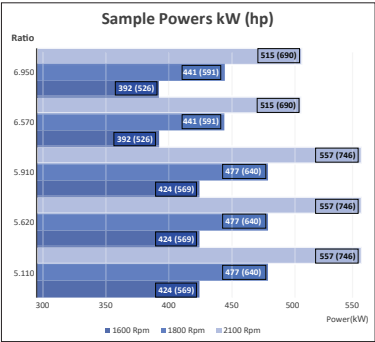


Available with PTO 0

Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)	
					1600 rpm	1800 rpm	2100 rpm		
ML 265	0,265 (0,355)	742 (994)	2800	5,110	424 (569)	477 (640)	557 (746)	900 (1984)	
				5,620					
				5,910					
	0,245 (0,329)	686 (920)		6,570	392 (526)	441 (591)	515 (690)		
				6,950					

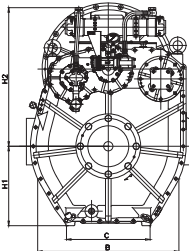
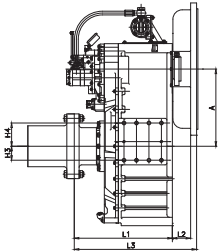
Option

- Dual stage input coupling.
- TV** Trolling valve for slow-speed drive.
- B** Mounting brackets (L Shape).
- Electric clutch control.
- Power Take Off : Live PTO.



Model	A	B	C	H1	H2	H3	H4	L1	Dry Weight kg (lb)
ML 265	415	758.8	448	427	745	75	125	527	900 (1984)

SAE N°	DRIVING RING	A	B	C	L2	L3	Bolt Holes	
							No.	Diameter (E)
#0	18"	647.65	679.45	711	66	608	16	14
	14"	647.65	679.45	711	66	608	16	13.5
#1	14"	511.12	530.225	52.5	66	608	12	12



MERLIN ML 415

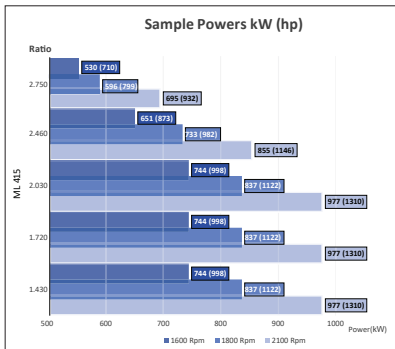


- Highest P/n of the Merlin Range
- Available with PTO 0

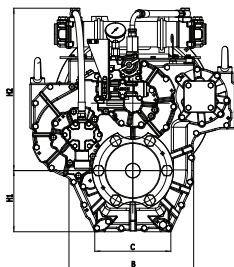
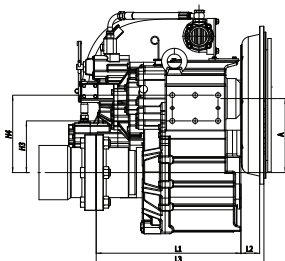
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1600 rpm	1800 rpm	2100 rpm	
ML 415	0,465 (0,624)	1070 (1435)	2300	1,430	744 (998)	838 (1123)	977 (1310)	660 (1455)
				1,720				
				2,030				
	0,407 (0,546)	936 (1255)		2,460	651 (873)	733 (982)	855 (1146)	
	0,331 (0,444)	761 (1021)		2,750	530 (710)	596 (799)	695 (932)	

Option

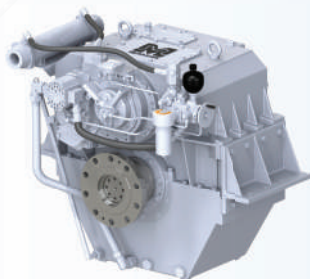
- TV Trolling valve for slow-speed drive.
- B Mounting brackets (L Shape).
- Electric clutch control.



Model	A	B	C	H1	H2	H3	H4	L1	Dry Weight kg (lb)	SAE N°	DRIVING RING	L2	L3
ML 415	235	436	266	215	582,8	180,9	270,9	505	660 (1455)	#0	18"	130,2	651,4
										#0	14"	130,2	661,1
										#1	14"	122	652,9



MM W RANGE



**For all your
commercial
applications**

**From 500 Hp
to 5000 Hp**

**Quality
Reliability
Performances**



MM W1900/W1920/W1950



- First model of the MM W range
- Compact size and high RPM
- Can be fitted with PTO or CPP depending the model

Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1800 rpm	2100 rpm	2400 rpm	
MM W1900	0,189 (0,253)	529 (710)	2800	1,057	340 (456)	397 (532)	454 (608)	410 (907)
				1,483				
				2,000				
				2,429				
	0,155 (0,208)	434 (582)		3,000	279 (374)	326 (437)	372 (499)	
MM W1920	0,188 (0,252)	526 (706)	2800	3,040	338 (454)	395 (529)	451 (605)	490 (1084)
				3,591				
	0,186 (0,249)	521 (698)		4,050	335 (449)	391 (524)	446 (599)	
	0,163 (0,219)	456 (612)		4,611	293 (393)	342 (459)	391 (525)	
	0,146 (0,196)	409 (548)		4,941	263 (352)	307 (411)	350 (470)	
MM W1950	0,210 (0,282)	588 (789)	2800	4,103	378 (507)	441 (591)	504 (676)	720 (1593)
				4,481				
				4,920				
				5,727				
	0,193 (0,259)	540 (725)		6,400	347 (466)	405 (544)	463 (621)	
	0,172 (0,231)	482 (646)		7,222	310 (415)	361 (484)	413 (554)	
	0,157 (0,211)	440 (590)		7,706	283 (379)	330 (442)	377 (505)	

MM W1900/W1920/W1950



Option

- Engine-matched torsional coupling.
- Mounting brackets with various height H1, H2, H3,

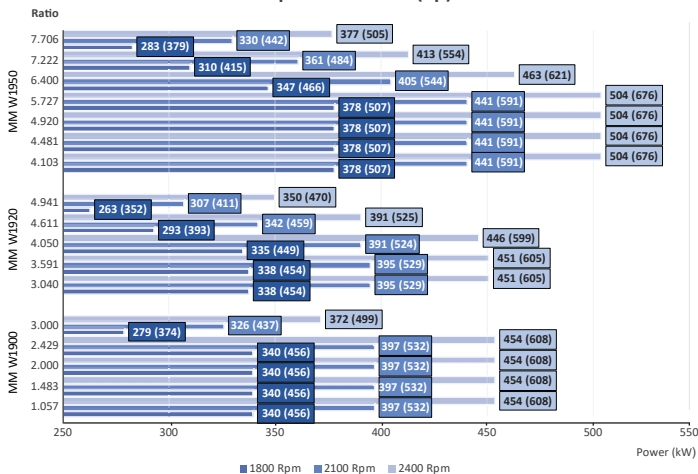


PTO only available for MM W 1920 and 1950 see P51

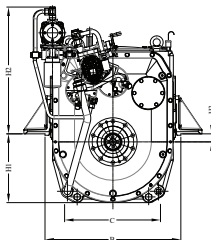
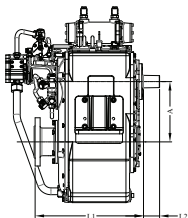


CPP only available for MM W1950 see P62

Sample Powers kW (hp)



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W1900	#0, #1	165	630	430	200	570	-20	580	90	410	410 (907)
MM W1920		230	680	420	255	630	0	552		490	490 (1084)
MM W1950		338	760	430	340	755	0	607		720	720 (1593)



MM W2900

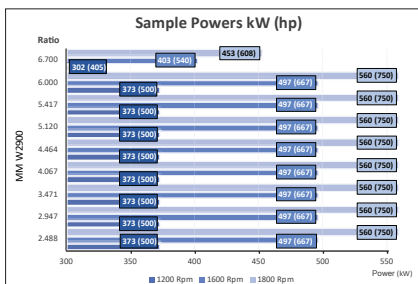


- High ratio gearbox
- New generation in development
- Easy maintenance

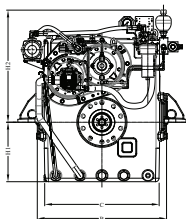
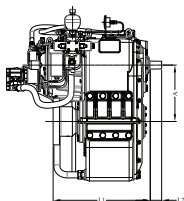
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W2900	0,311 (0,417)	684 (917)	2200	2,488	373 (500)	497 (667)	560 (750)	990 (2190)
				2,947				
				3,471				
				4,067				
				4,464				
				5,120				
				5,417				
				6,000				
	0,252 (0,338)	554 (743)		6,700	302 (405)	403 (540)	453 (608)	

Option

- TP Trailing Pump.
- PTO PTO Available.
- CPP Controlable Pitch Propeller.
- TV Trolling Valve.
- B Mounting brackets (L Shape).
- TF Twin filter.



Model	Bell housing	A	B	C	H1	H2	L1	L2	L3	Dry Weight kg (lb)
MM W2900	#0,#1	386	900	781	408	746	662	78	815	990 (2190)

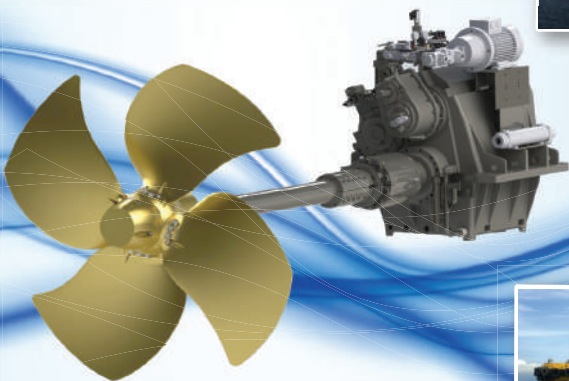


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MM W3300/W3350/W3450/W3700



- High ratio gearbox
- Four variations available to offer all required combination of P/n and Ratio

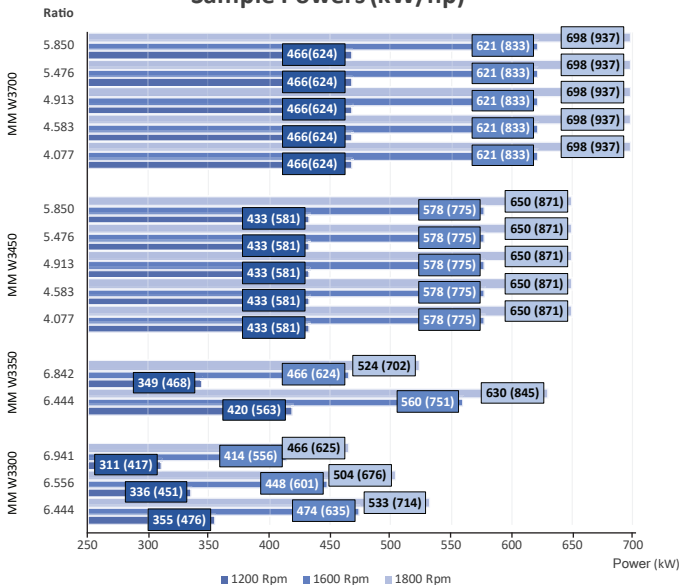
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W3300	0,296 (0,397)	651 (873)	2200	6,444	355 (476)	474 (635)	533 (714)	1260 (2780)
	0,280 (0,375)	616 (826)		6,556	336 (451)	448 (601)	504 (676)	
	0,259 (0,347)	570 (764)		6,941	311 (417)	414 (556)	466 (625)	
MM W3350	0,350 (0,469)	770 (1033)	2200	6,444	420 (563)	560 (751)	630 (845)	1260 (2780)
	0,291 (0,390)	640 (859)		6,842	349 (468)	466 (624)	524 (702)	
MM W3450	0,361 (0,484)	794 (1065)	2200	4,077	433 (581)	578 (775)	650 (871)	1260 (2780)
				4,583				
				4,913				
				5,476				
				5,850				
MM W3700	0,388 (0,52)	854 (1145)	2200	4,077	466 (624)	621 (833)	698 (937)	1260 (2780)
				4,583				
				4,913				
				5,476				
				5,850				

Option

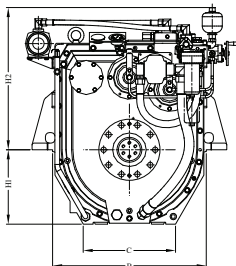
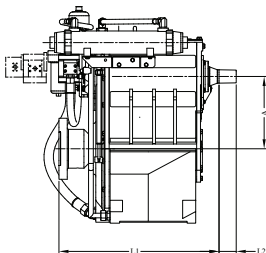
- TP Trailing Pump.
- PTO PTO Available.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- TF Twin filter.



Sample Powers (kW/hp)



Model	Bell housing	A	B	C	H1	H2	L1	L2	L3	Dry Weight kg (lb)
MM W3300	SAE 0,1	379	806	484	390	746	839	90	908	1260 (2780)
MM W3350							864		933	
MM W3450							839		908	
MM W3700							864		933	



MM W3850/W3900/W4400



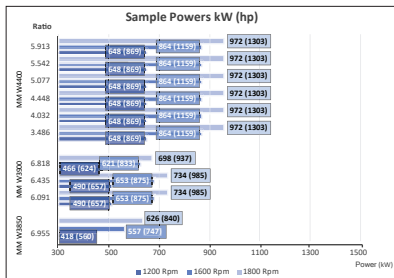
- High P/n
- Easy maintenance
- Our best-sale, trusted by our customers

Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W3850	0,348 (0,467)	731 (980)	2100	6,955	418 (560)	557 (747)	626 (840)	1270 (2800)
MM W3900	0,408 (0,547)	857 (1149)	2100	6,091	490 (657)	653 (875)	734 (985)	1270 (2800)
				6,435				
	0,388 (0,520)	815 (1093)		6,818	466 (624)	621 (833)	698 (937)	
	0,348 (0,467)	731 (980)		6,955	418 (560)	557 (747)	626 (840)	
MM W4400 MM W4400 NC*	0,540 (0,724) 0,347 (0,468)	1134 (1521) 729 (1775)	2100	3,026	648 (869) 416 (565)	864 (1159) 555 (754)	972 (1303) 624 (848)	1270 (2800)
				3,486				
				4,032				
				4,448				
				5,077				
				5,542				
				5,913				

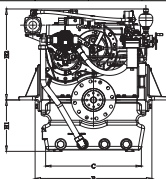
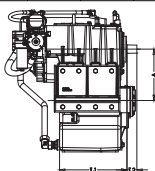
*version designed for electrical motor

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W3850	#0, #1	400	908	800	400	705	0	524	77	637	1270 (2800)
MM W3900											
MM W4400											



MM W4000

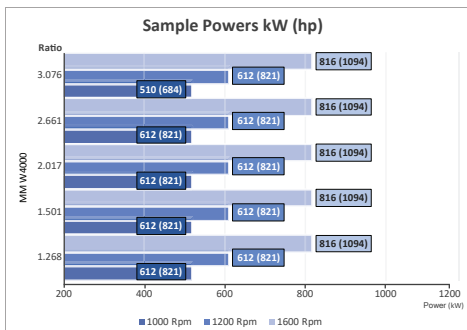


• Low ratio gearbox

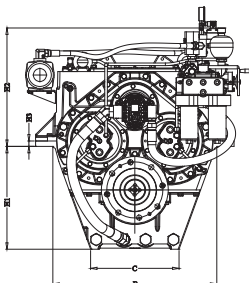
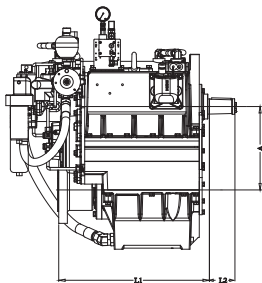
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W4000	0,510 (0,684)	918 (1231)	1800	1,268	510 (684)	612 (821)	816 (1094)	1180(2600)
				1,501				
				2,017				
				2,661				
				3,076				

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W4000	#0,#00	387	760	410	477	542	202	700	105	898	1180 (2600)



MM W5200

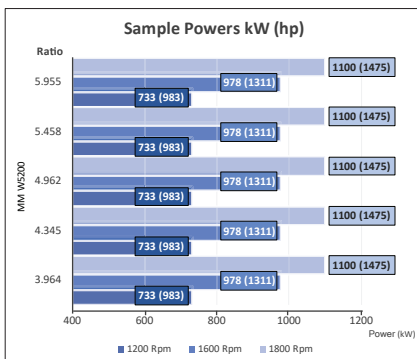


- Easy maintenance
- High RPM for good P/n
- Upgrade of W4400

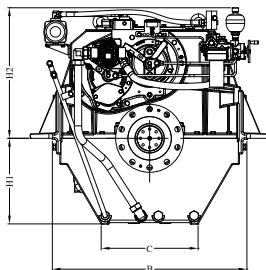
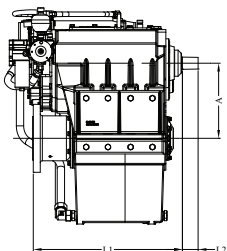
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W5200	0,611 (0,819)	1283 (1721)	2100	3,964	733 (983)	978 (1311)	1100 (1475)	2000 (4410)
				4,345				
				4,962				
				5,458				
				5,955				

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W5200	#0, #00	431	1116	550	492	742	0	855	90	1020	2000 (4410)



MM W5700

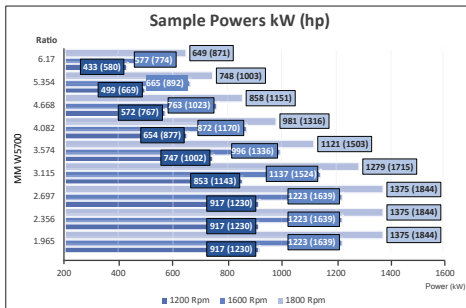


- High range of ratios
- Low Vertical offset

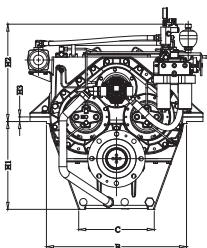
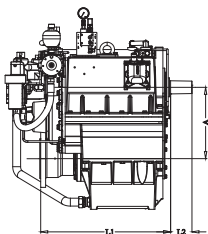
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W5700	0,764 (1,025)	1430 (1918)	1872	1,976	917 (1230)	1223 (1639)	1375 (1844)	1500 (3310)
				2,369				
				2,712				
	0,710 (0,953)	1330 (1784)	2130	3,132	853 (1143)	1137 (1524)	1279 (1715)	
	0,623 (0,835)	1326 (1779)		3,574	747 (1002)	996 (1336)	1121 (1503)	
	0,545 (0,731)	1308 (1754)		4,082	654 (877)	872 (1170)	981 (1316)	
	0,477 (0,639)	1144 (1534)	2400	4,668	572 (767)	763 (1023)	858 (1151)	
	0,416 (0,557)	998 (1338)		5,354	499 (669)	665 (892)	748 (1003)	
	0,361 (0,484)	866 (1161)		6,170	433 (580)	577 (774)	649 (871)	

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W5700	#0, #00	434	854	460	535	583	226	802	130	956	1500 (3310)



MM W6000

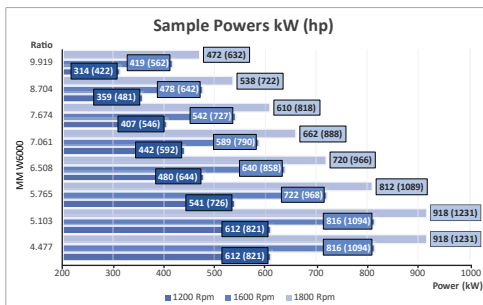


- Designed for high ratios applications
- Designed as compact as possible

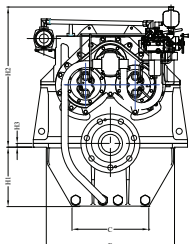
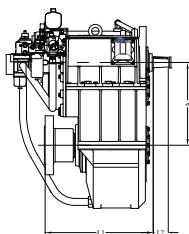
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W6000	0,510 (0,684)	918 (1231)	1800	4,477	612 (821)	816 (1094)	918 (1231)	1790 (3950)
				5,103				
	0,451 (0,605)	902 (1210)	2000	5,765	541 (726)	722 (968)	812 (1089)	
	0,400 (0,536)	920 (1234)	2300	6,508	480 (644)	640 (858)	720 (966)	
	0,368 (0,493)	957 (1283)	2600	7,061	442 (592)	589 (790)	662 (888)	
	0,339 (0,455)	949 (1273)	2800	7,674	407 (546)	542 (727)	610 (818)	
	0,299 (0,401)	837 (1123)		8,704	359 (481)	478 (642)	538 (722)	
	0,262 (0,351)	734 (984)		9,919	314 (422)	419 (562)	472 (632)	

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W6000	#0, #00	548	848	508	395	931	-25	715	105	868	1790 (3950)



MM W6400/W7200

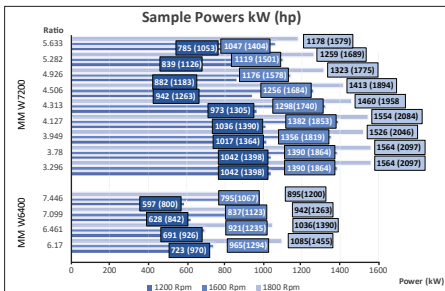


- High range of ratios
- High P/n

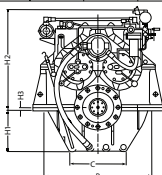
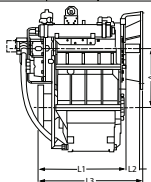
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W6400	0,603 (0,808)	1266 (1698)	2100	6,170	723 (970)	965 (1294)	1085 (1455)	2000 (4410)
	0,576 (0,772)	1209 (1621)		6,461	691 (926)	921 (1235)	1036 (1390)	
	0,523 (0,702)	1099 (1474)		7,099	628 (842)	837 (1123)	942 (1263)	
	0,497 (0,667)	1044 (1400)		7,446	597 (800)	795 (1067)	895 (1200)	
MM W7200	0,869 (1,165)	1607 (2155)	1850	3,296	1042 (1398)	1390 (1864)	1564 (2097)	2000 (4410)
				3,780				
	0,848 (1,137)	1653 (2217)	1950	3,949	1017 (1364)	1356 (1819)	1526 (2046)	
	0,864 (1,158)	1727 (2316)	2000	4,127	1036 (1390)	1382 (1853)	1554 (2084)	
	0,811 (1,088)	1703 (2284)	2100	4,313	973 (1305)	1298 (1740)	1460 (1958)	
	0,785 (1,052)	1648 (2210)		4,506	942 (1263)	1256 (1684)	1413 (1894)	
	0,735 (0,986)	1544 (2071)		4,926	882 (1183)	1176 (1578)	1323 (1775)	
	0,700 (0,938)	1469 (1970)		5,282	839 (1126)	1119 (1501)	1259 (1689)	
	0,654 (0,877)	1374 (1843)		5,633	785 (1053)	1047 (1404)	1178 (1579)	

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W6400	#0, #00	500	848	470	315	900	0	807	130	960	2000 (4410)
MM W7200											



MM W7400



- High P/n with high ratios up to 9,078

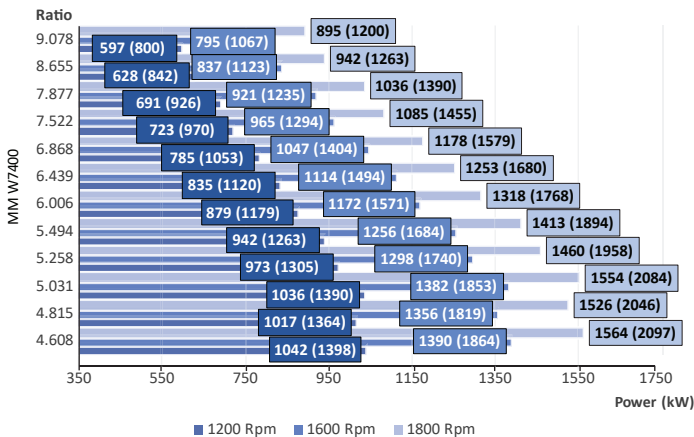
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200 rpm	1600 rpm	1800 rpm	
MM W7400	0,869 (1,165)	1607 (2155)	1850	4,608	1042 (1398)	1390 (1864)	1564 (2097)	2450 (5400)
	0,848 (1,137)	1653 (2217)	1950	4,815	1017 (1364)	1356 (1819)	1526 (2046)	
	0,864 (1,158)	1727 (2316)	2000	5,031	1036 (1390)	1382 (1853)	1554 (2084)	
	0,811 (1,088)	1703 (2284)	2100	5,258	973 (1305)	1298 (1740)	1460 (1958)	
	0,785 (1,052)	1648 (2210)		5,494	942 (1263)	1256 (1684)	1413 (1894)	
	0,732 (0,982)	1538 (2062)		6,006	879 (1179)	1172 (1571)	1318 (1768)	
	0,696 (0,934)	1462 (1961)		6,439	835 (1120)	1114 (1494)	1253 (1680)	
	0,654 (0,877)	1374 (1843)		6,868	785 (1053)	1047 (1404)	1178 (1579)	
	0,603 (0,808)	1266 (1698)		7,522	723 (970)	965 (1294)	1085 (1455)	
	0,576 (0,772)	1209 (1621)		7,877	691 (926)	921 (1235)	1036 (1390)	
	0,523 (0,702)	1099 (1474)		8,655	628 (842)	837 (1123)	941 (1263)	
	0,497 (0,667)	1044 (1400)		9,078	597 (800)	795 (1067)	895 (1200)	

Option

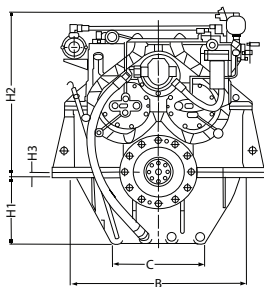
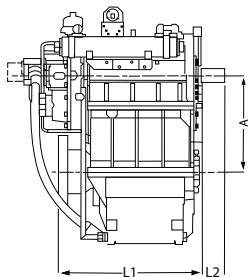
- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Sample Powers kW (hp)



Model	Bell housing	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W7400	#0, #00	570	990	520	403	973	0	807	130	960	2450 (5400)





For W6400,
W7200 and W7400

Increase the number
of ratio available

Up to 14:1

MM W6400/W7200



W7400 WITH RCA

Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1800 rpm	2100 rpm	2400 rpm	
MM W6400 with RCA		1033 (1265)	2300	7,220	539 (723)	674 (904)	809 (1084)	2200 (4850)
	0,449 (0,602)	8,280						
	0,429 (0,575)	987 (1208)		8,670	515 (690)	643 (863)	772 (1036)	
	0,390 (0,523)	897 (1098)		9,527	468 (628)	585 (784)	702 (941)	
	0,370 (0,497)	852 (1043)		9,993	445 (596)	556 (745)	667 (894)	
	0,339 (0,455)	780 (955)		10,953	407 (546)	509 (682)	610 (819)	
	0,322 (0,432)	741 (907)		11,489	387 (518)	483 (648)	580 (778)	
MM W7200 with RCA	0,461 (0,618)	1060 (1298)	2300	6,048	553 (742)	692 (927)	830 (1113)	2200 (4850)
				6,611				
				7,088				
				7,559				
	0,428 (0,574)	984 (1205)		8,150	514 (689)	642 (861)	770 (1033)	
	0,424 (0,569)	975 (1194)		8,692	509 (682)	636 (853)	763 (1024)	
MM W7400 with RCA	0,449 (0,602)	1033 (1265)	2300	10,095	539 (723)	674 (904)	809 (1084)	2650 (5850)
	0,429 (0,575)	987 (1208)		10,571	515 (690)	643 (863)	772 (1036)	
	0,390 (0,523)	897 (1098)		11,615	468 (628)	585 (784)	702 (941)	
	0,370 (0,497)	852 (1043)		12,183	445 (596)	556 (745)	667 (894)	
	0,339 (0,455)	780 (955)		13,354	407 (546)	509 (682)	610 (819)	
	0,322 (0,432)	741 (907)		14,007	387 (518)	483 (648)	580 (778)	

MM W8000

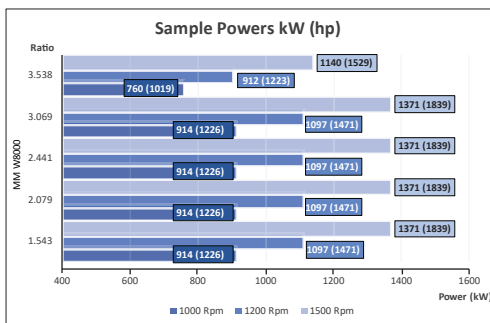


- High P/n ratio
- High load capacity gearbox

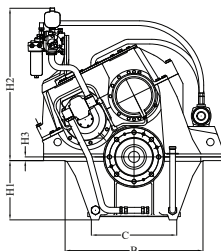
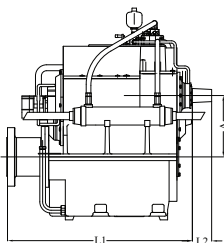
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1500 rpm	
MM W8000	0,914 (1,226)	1371 (1839)	1500	1,543	914 (1226)	1097 (1471)	1371 (1839)	1800 (3970)
				2,079				
				2,441				
				3,069				
	0,760 (1,019)	1140 (1529)		3,538	760 (1019)	912 (1223)	1140 (1529)	

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W8000	357	860	530	360	960	-25	1164	130	1800 (3970)



MM W8000 C

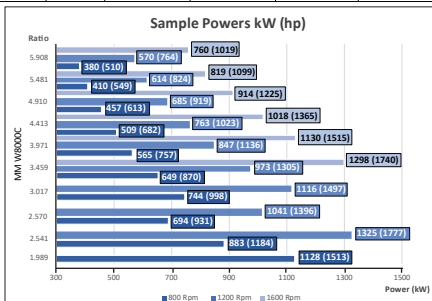


- Coaxial version of the W8000
- Same dimensions appart Output and Input aligned

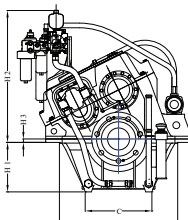
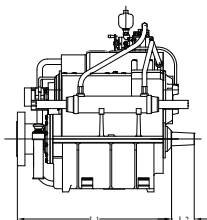
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					800 rpm	1200 rpm	1600 rpm	
MM W8000C	1,410 (1,891)	1371 (1838)	972	1,989	1128 (1513)	(-)	(-)	1800 (3970)
	1,103 (1,479)	1370 (1836)	1242	2,541	883 (1184)	1325 (1777)		
	0,868 (1,164)	1371 (1838)	1580	2,570	694 (931)	1041 (1396)		
	0,930 (1,247)	1371 (1838)	1475	3,017	744 (998)	1116 (1497)		
	0,811 (1,088)	1371 (1838)	1691	3,459	649 (870)	973 (1305)	1298 (1740)	
	0,706 (0,947)	1341 (1822)	1900	3,971	565 (757)	847 (1136)	1130 (1515)	
	0,636 (0,853)	1208 (1641)		4,413	509 (682)	763 (1023)	1018 (1365)	
	0,571 (0,766)	1085 (1474)		4,910	457 (613)	685 (919)	914 (1225)	
	0,512 (0,687)	972 (1321)		5,481	410 (549)	614 (824)	819 (1099)	
	0,475 (0,637)	903 (1211)		5,908	380 (510)	570 (764)	760 (1019)	

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W8000C	0	860	530	360	960	-25	1121	165	1800 (3970)



MM W8200NR EW

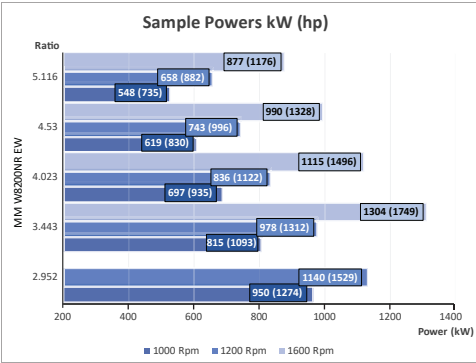


- Non reversible version of the W8000
- Allow higher P/n

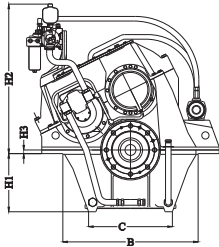
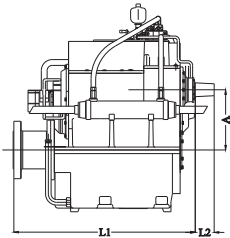
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W8200 NR EW	0,950 (1,274)	1371 (1838)	1443	2,952	950 (1274)	1140 (1529)	(-)	1800 (3970)
	0,815 (1,093)	1372 (1839)	1683	3,443	815 (1093)	978 (1312)	1304 (1749)	
	0,697 (0,935)	1185 (1589)	1700	4,023	697 (935)	836 (1122)	1115 (1496)	
	0,619 (0,830)	1052 (1411)		4,530	619 (830)	743 (996)	990 (1328)	
	0,548 (0,735)	932 (1249)		5,116	548 (735)	658 (882)	877 (1176)	

Option

- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W8200NR EW	357	860	530	360	960	-25	1121	165	1800 (3970)



MM W8400

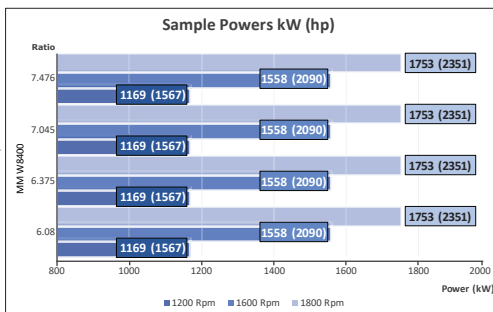


- New product for 2020
- Allow higher P/n

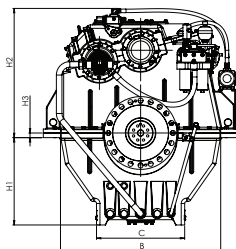
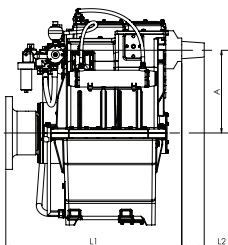
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200rpm	1600rpm	1800rpm	
MM W8400	0,974 (1,306)	2045 (2743)	2100	6,080	1169 (1567)	1558 (2090)	1753 (2351)	3200 (7055)
				6,375				
				7,045				
				7,476				

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W8400	625	1210	666	660	826	35	1329	165	3200 (7055)



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MM W8450

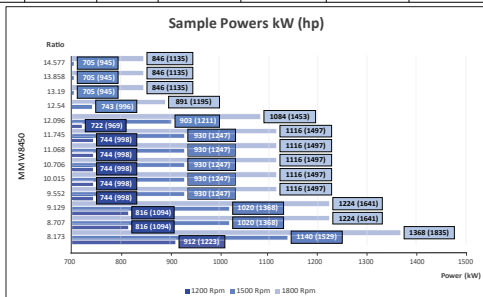


- Complementary gearbox of W8400
- Allow higher Ratio

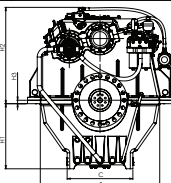
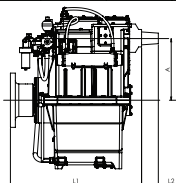
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1200rpm	1500rpm	1800rpm	
MM W8450	0,760 (1,019)	1596 (2140)	2100	8,173	912 (1223)	1140 (1529)	1368 (1835)	3800 (8380)
	0,680 (0,912)	1428 (1915)		8,707	816 (1094)	1020 (1368)	1224 (1641)	
				9,129				
				9,552				
	0,620 (0,831)	1302 (1746)		10,015	744 (998)	930 (1247)	1116 (1497)	
				10,706				
				11,068				
				11,745				
	0,602 (0,807)	1264 (1695)		12,096	722 (969)	903 (1211)	1084 (1453)	
	0,495 (0,664)	1040 (1394)		12,540	594 (797)	743 (996)	891 (1195)	
				13,190	564 (756)	705 (945)	846 (1135)	
	0,470 (0,630)	987 (1324)		13,858				
				14,577				

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W8450	625	1210	666	660	826	35	1329	165	3800 (8378)



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MM W12000

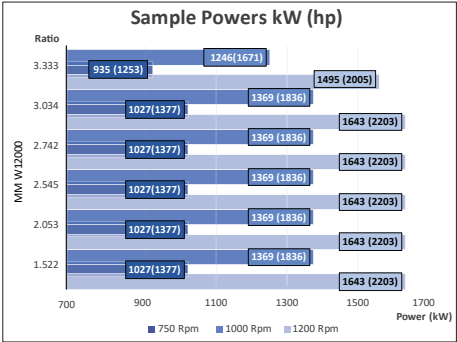


- Ratios similar to W8000
- Higher P/n
- Reduced size for the achieved P/n

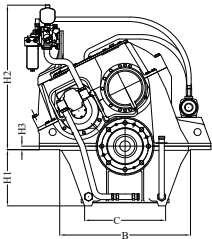
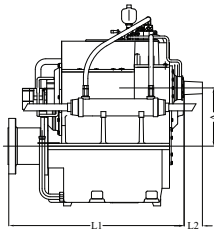
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					750 rpm	1000 rpm	1200 rpm	
MM W12000	1,369 (1,836)	1711 (2295)	1250	1,522	1027 (1377)	1369 (1836)	1643 (2203)	2530 (5580)
				2,053				
				2,545				
				2,742				
				3,034				
	1,246 (1,671)	1558 (2089)		3,333	935 (1253)	1246 (1671)	1495 (2005)	

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W12000	414	930	624	400	1029	-25	1353	130	2530 (5580)



MM W12000 C

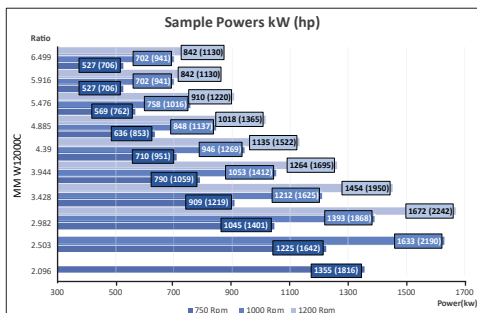


- Coaxial version of the W12000
- Have a larger range of ratio
- Same dimension as the standard version

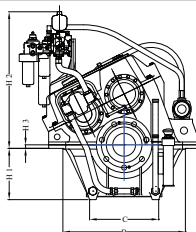
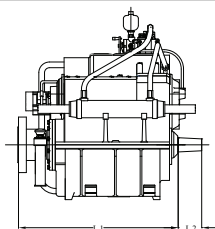
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					750 rpm	1000 rpm	1200 rpm	
MM W12000C	1,806 (2,422)	1553 (2083)	860	2,096	1355 (1816)	(-)	(-)	2530 (5580)
	1,633 (2,190)	1682 (2256)	1030	2,503	1225 (1642)	1633 (2190)		
	1,393 (1,868)	1713 (2298)	1230	2,982	1045 (1401)	1393 (1868)	1672 (2242)	
	1,212 (1,625)	1697 (2275)	1400	3,428	909 (1219)	1212 (1625)	1454 (1950)	
	1,053 (1,412)	1711 (2295)	1625	3,944	790 (1059)	1053 (1412)	1264 (1695)	
	0,946 (1,269)	1703 (2283)	1800	4,390	710 (951)	946 (1269)	1135 (1522)	
	0,848 (1,137)	1526 (2047)		4,885	636 (853)	848 (1137)	1018 (1365)	
	0,758 (1,016)	1364 (1830)		5,476	569 (762)	758 (1016)	910 (1220)	
	0,702 (0,941)	1264 (1695)		5,916	527 (706)	702 (941)	842 (1130)	
				6,499				

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W12000C	0	930	624	400	1029	-25	1185	163	2530 (5580)



MM W12200NR EW

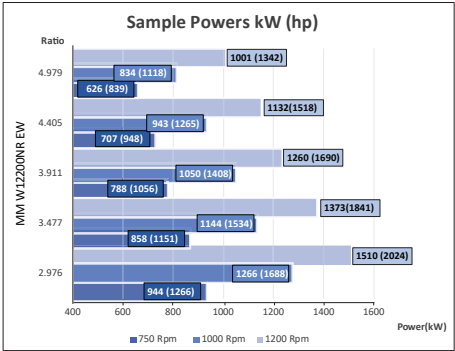


- Non reversible version of the W12000
- Higher ratio than standard version

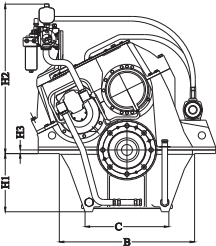
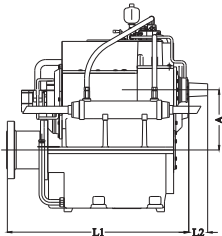
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					750 rpm	1000 rpm	1200 rpm	
MM W12200 NR EW	1,259 (1,688)	1544 (2070)	1226	2,976	944 (1266)	1260 (1688)	1510 (2024)	2530 (5580)
	1,144 (1,534)	1639 (2198)	1433	3,477	858 (1151)	1144 (1534)	1373 (1841)	
	1,050 (1,408)	1680 (2253)	1600	3,911	788 (1056)	1050 (1408)	1260 (1690)	
	0,943 (1,265)	1509 (2023)		4,405	707 (948)	943 (1265)	1132 (1518)	
	0,834 (1,118)	1334 (1789)		4,979	626 (839)	834 (1118)	1001 (1342)	

Option

- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W12200NR EW	414	930	624	400	1029	-25	1185	163	2530 (5580)



MM W17000

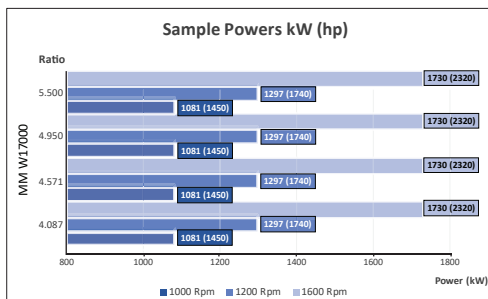


- High performance gearbox
- Good combination of P/n, ratio and RPM

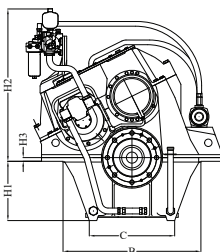
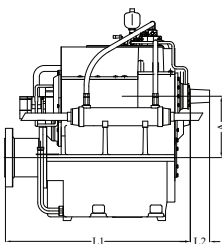
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W17000	1,081 (1,450)	1946 (2610)	1800	4,087	1081 (1450)	1297 (1740)	1730 (2320)	3500 (7720)
				4,571				
				4,950				
				5,500				

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W17000	482	1080	768	480	1160	-30	1353	130	3500 (7720)



MM W18000

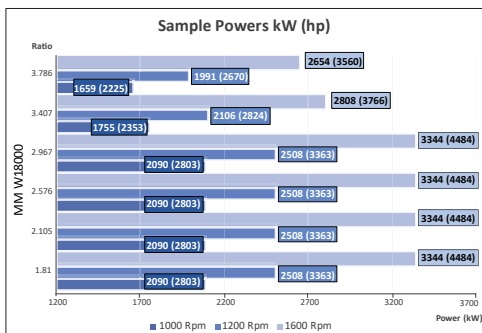


- Good compacity
- High P/n

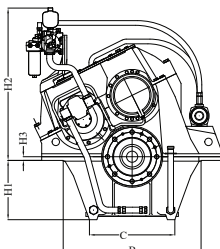
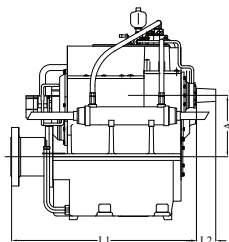
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W18000	2,090 (2,803)	3762 (5045)	1800	1,810	2090 (2803)	2508 (3363)	3344 (4484)	3650 (7720)
				2,105				
				2,576				
				2,967				
	1,755 (2,353)	3159 (4236)		3,407	1755 (2353)	2106 (2824)	2808 (3766)	
	1,659 (2,225)	2986 (4005)		3,786	1659 (2225)	1991 (2670)	2654 (3560)	

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W18000	482	1080	768	480	1143	-30	1361	163	3650 (7720)



MM W18000 C

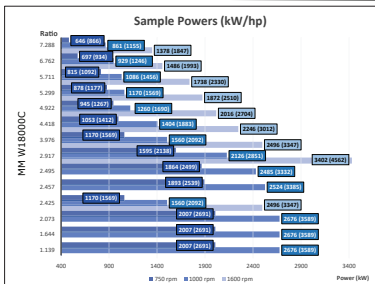


- Coaxial version of the W18000
- Higher range of ratio
- Higher P/n

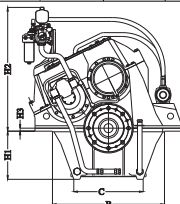
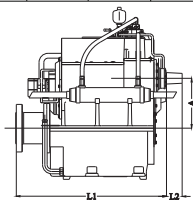
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					750 rpm	1000 rpm	1600 rpm	
MM W18000C	2,676 (3,589)	3762 (5045)	1406	1,139	2007 (2691)	2676 (3589)	(-)	3650 (8050)
				1,644				
				2,073				
	1,560 (2,092)	2574 (3452)	1650	2,425	1170 (1569)	1560 (2092)	2496 (3347)	
	2,524 (3,385)	3761 (5043)	1490	2,457	1893 (2539)	2524 (3385)	(-)	
	2,485 (3,332)	3762 (5045)	1514	2,495	1864 (2499)	2485 (3332)		
	2,126 (2,851)	3508 (4704)	1650	2,917	1595 (2138)	2126 (2851)	3402 (4562)	
	1,560 (2,092)	2574 (3452)		3,976	1170 (1569)	1560 (2092)	2496 (3347)	
	1,404 (1,883)	2317 (3107)		4,418	1053 (1412)	1404 (1883)	2246 (3012)	
	1,260 (1,690)	2079 (2788)		4,922	945 (1267)	1260 (1690)	2016 (2704)	
	1,170 (1,569)	1931 (2589)		5,299	878 (1177)	1170 (1569)	1872 (2510)	
	1,086 (1,456)	1792 (2403)		5,711	815 (1092)	1086 (1456)	1738 (2330)	
	0,929 (1,245)	1532 (2055)		6,762	697 (934)	929 (1246)	1486 (1993)	
	0,861 (1,155)	1378 (1905)		7,288	646 (866)	861 (1155)	1378 (1847)	

Option

- TP Trailing Pump.
- PTO Power Take Off.
- CPP Controllable Pitch Propeller.
- TV Trolling Valve.
- SB Shaft brake.
- TF Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W18000 C	0	1080	768	480	1143	-30	1297	176	3650 (8050)



MM W18200NR EW

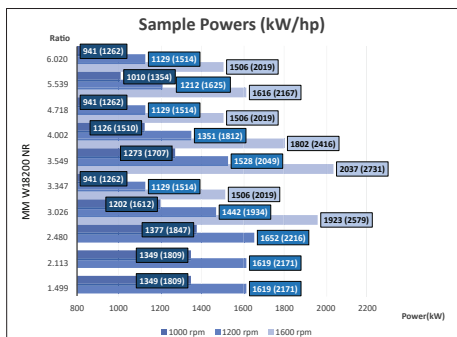


- Non reversible version of the W18000
- Higher range ratio
- Used with Controllable Pitch Propeller

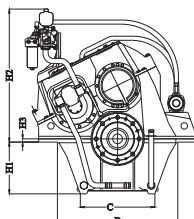
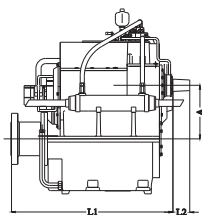
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W18200 NR EW	1,349 (1,809)	1729 (2318)	1281	1,499	1349 (1809)	1619 (2171)	(-)	3650 (8050)
				2,113				
	1,377 (1,847)	2052 (2751)	1490	2,480	1377 (1847)	1652 (2216)		
	1,202 (1,612)	1983 (2660)	1650	3,026	1202 (1612)	1442 (1934)	1923 (2579)	
	0,941 (1,262)	1553 (2082)		3,347	941 (1262)	1129 (1514)	1506 (2019)	
	1,273 (1,707)	2100 (2817)		3,549	1273 (1707)	1528 (2049)	2037 (2731)	
	1,126 (1,510)	1858 (2491)		4,002	1126 (1510)	1351 (1812)	1802 (2416)	
	0,941 (1,262)	1553 (2082)		4,718	941 (1262)	1129 (1514)	1506 (2019)	
	1,010 (1,354)	1667 (2235)		5,539	1010 (1354)	1212 (1625)	1616 (2167)	
	0,941 (1,262)	1553 (2082)		6,020	941 (1262)	1129 (1514)	1506 (2019)	

Option

- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W18200NR EW	482	1080	768	480	1143	-30	1297	155	3650 (8050)



MM W20000/W20500



- High range of ratios
- High P/n

Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W20000	2,344 (3,143)	4219 (5658)	1800	3,214	2344 (3143)	2813 (3772)	3750 (5029)	5700 (12570)
				3,317				
				3,658				
				4,364				
				4,933				
				5,593				
	2,000 (2,682)	3600 (4828)		6,179	2000 (2682)	2400 (3218)	3200 (4291)	
MM W20500	2,527 (3,389)	3766 (5051)	1490	2,661	2527 (3389)	3032 (4067)	(-)	5800 (12790)
				3,029				
				3,613				
				4,085				
	2,127 (2,852)	3510 (4706)	1650	4,849	2127 (2852)	2552 (3423)	3403 (4564)	
	1,790 (2,400)	2954 (3961)		5,757	1790 (2400)	2148 (2881)	2864 (3841)	
	1,729 (2,319)	2853 (3826)		5,959	1729 (2319)	2075 (2782)	2766 (3710)	
	1,560 (2,092)	2574 (3452)		6,610	1560 (2092)	1872 (2510)	2496 (3347)	
	1,404 (1,883)	2317 (3107)		7,345	1404 (1883)	1685 (2259)	2246 (3012)	
	1,260 (1,690)	2079 (2788)		8,184	1260 (1690)	1512 (2028)	2016 (2704)	
	1,170 (1,569)	1931 (2589)		8,810	1170 (1569)	1404 (1883)	1872 (2510)	
	1,086 (1,456)	1792 (2403)		9,496	1086 (1456)	1303 (1748)	1738 (2330)	
	1,170 (1,569)	1931 (2589)		9,989	1170 (1569)	1404 (1883)	1872 (2510)	
	1,206 (1,617)	1990 (2668)		10,251	1206 (1617)	1447 (1941)	1930 (2588)	
	1,086 (1,456)	1792 (2403)		10,767	1086 (1456)	1303 (1748)	1738 (2330)	
	1,120 (1,502)	1848 (2478)		11,036	1120 (1502)	1344 (1802)	1792 (2403)	
	1,039 (1,393)	1714 (2299)		11,895	1039 (1393)	1247 (1672)	1662 (2229)	

Option



Power Take Off.



Controllable Pitch Propeller. (Not possible for 20500)



Trolling Valve.



Shaft brake.



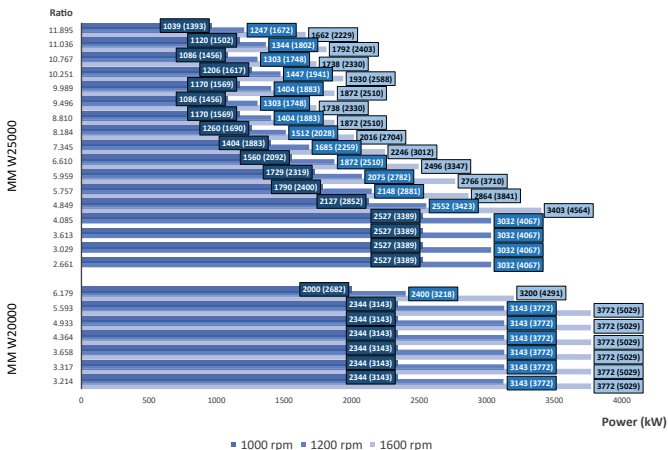
Twin Filter.



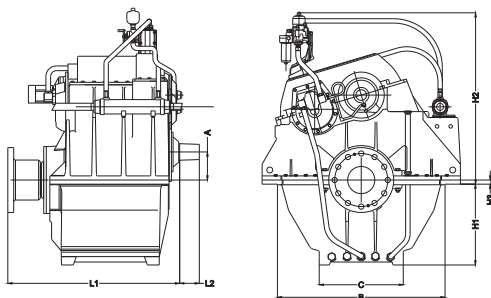
MM W20000/W20500



Sample Powers (kW/hp)



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W20000	720	1420	712	685	1491	-35	1479	163	5700 (12570)
MM W20500	238						1456	167	5800 (12790)



MM W20200NR

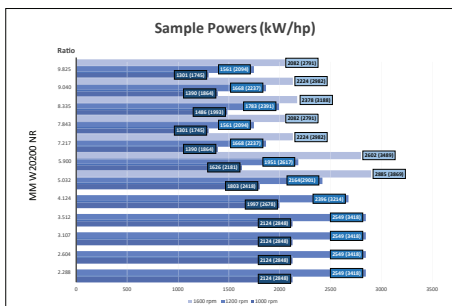


- Wide range of ratios
- High P/n

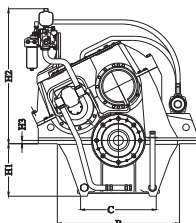
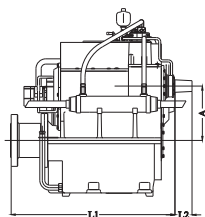
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1000 rpm	1200 rpm	1600 rpm	
MM W20200 NR	2,124 (2,848)	2722 (3650)	1281	2,288	2124 (2848)	2549 (3418)	(-)	5700 (12570)
				2,604				
				3,107				
				3,512				
	1,997 (2,678)	3005 (4030)	1504	4,124	1997 (2678)	2396 (3214)		
	1,803 (2,418)	2885 (3869)	1600	5,032	1803 (2418)	2164 (2901)	2885 (3869)	
	1,626 (2,181)	2602 (3489)		5,900	1626 (2181)	1951 (2617)	2602 (3489)	
	1,390 (1,864)	2224 (2982)		7,217	1390 (1864)	1668 (2237)	2224 (2982)	
	1,301 (1,745)	2082 (2791)		7,843	1301 (1745)	1561 (2094)	2082 (2791)	
	1,486 (1,993)	2378 (3188)		8,335	1486 (1993)	1783 (2391)	2378 (3188)	
	1,390 (1,864)	2224 (2982)		9,040	1390 (1864)	1668 (2237)	2224 (2982)	
	1,301 (1,745)	2082 (2791)		9,825	1301 (1745)	1561 (2094)	2082 (2791)	

Option

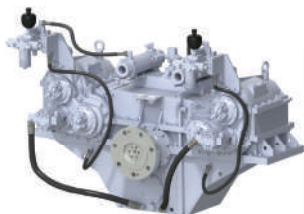
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- SB** Shaft brake.
- TF** Twin Filter.



Model	A	B	C	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W20200NR EW	720	1420	712	685	1491	-35	1415	155	5700 (12570)



MM W2800Y



- Formerly RSY 281
- Two engines / one propeller
- Reduce engine maintenance
- Make your installation redundant
- Exists also in NR version

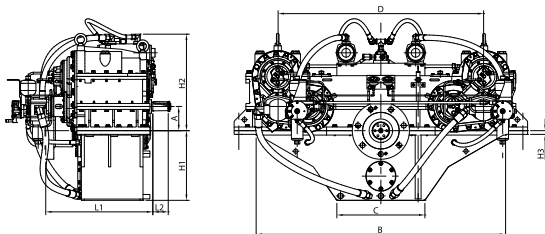
Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Ratio	Sample Ratio Capacities kW (hp)			Dry Weight kg (lb)
					1500 rpm	1800 rpm	2100 rpm	
MM W2800Y*	0,371 (0,498)	779 (1045)	2100	3,527	556 (746)	668 (896)	779 (1045)	2600 (5733)
				3,903				
	0,316 (0,424)	664 (890)		4,130	474 (636)	569 (763)	664 (890)	
				4,138				
	0,293 (0,393)	615 (825)		4,571	439 (589)	527 (707)	615 (825)	
				4,579				
	0,267 (0,358)	561 (752)		4,757	401 (537)	481 (645)	561 (752)	
				5,264				
	0,233 (0,312)	489 (656)		5,602	349 (469)	419 (562)	489 (656)	
				6,199				
	0,225 (0,302)	473 (634)		6,353	338 (453)	405 (543)	473 (634)	
				7,031				
	0,184 (0,247)	386 (518)		7,284	276 (370)	331 (444)	386 (518)	
				8,060				

*For the Non Reversible version please contact Masson Marine with your detailed requirement for corresponding performances

Option

- | | |
|--|------------------------|
| TP Trailing Pump. | SB Shaft brake. |
| PTO Power Take Off. | B Bracket. |
| CPP Controllable Pitch Propeller. | TF Twin Filter. |
| TV Trolling Valve. | |

Model	A	B	C	D	H1	H2	H3	L1	L2	Dry Weight kg (lb)
MM W2800Y / NR	165	1700	600	1401	475	660	25	730	105	2600 (5733)



Dual Speed



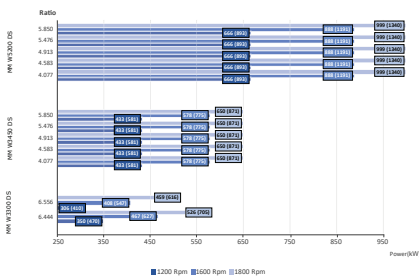
- One gearbox 2 ratios
- Can be use for very specific project with PTO and PTI
- Contact us and we can tailor made a solution for you

Model	kW/RPM (hp/RPM)	Maximum Rated Input kW (hp)	Maximum RPM	Main Ratio	Available Second ratio				Sample Ratio Capacities			Dry Weight kg (lb)
									1200 rpm	1600 rpm	1800 rpm	
MM W3300 DS	0,292 (0,392)	642 (861)	2200	6,556	7,167	7,421	7,798	350 (470)	467 (627)	526 (705)	1260 (2780)	
	0,255 (0,342)	561 (752)		6,940	7,595	7,875	8,249	306 (410)	408 (547)	459 (616)		
MM W3450 DS	0,361 (0,484)	794 (1065)	2200	4,077	4,462	4,615	4,846	433 (581)	578 (775)	650 (871)	1260 (2780)	
				4,583	5,015	5,188	5,448					
				4,913	5,376	5,562	5,840					
				5,476	5,933	6,199	6,509					
				5,850	6,402	6,623	6,954					
MM W5200 DS	0,555 (0,744)	1221 (1637)	2100	3,964	4,360	4,559	4,757	666 (893)	888 (1191)	999 (1340)	2000 (4400)	
				4,345	4,780	4,997	5,214					
				4,962	5,458	5,706	5,954					
				5,458	6,004	6,277	6,277					
				5,955	6,551	6,848	7,146					

Option

- TP** Trailing Pump.
- PTO** Power Take Off.
- CPP** Controllable Pitch Propeller.
- TV** Trolling Valve.
- SB** Shaft brake.
- TF** Twin Filter.

Sample Powers kW (hp)



Model	Bell Housing SAE N°	A	B	C	H1	H2	H3	L1	L2	L3	Dry Weight kg (lb)
MM W3300 DS	#0, #1	379	806	484	390	746	-	839	90	908	1260 (2780)
MM W3450 DS	#0, #1	379	806	484	390	746	-	839	90	908	1260 (2780)
MM W5200	#0, #00	431	1116	550	492	742	0	855	90	1020	2000 (4410)

OUR EXPERIENCE AT YOUR SERVICE



Shipyard : SOCARENAM (FR)

MM W3350 + 2 PTO + FPP + NOZZLE

Trawler : « PIERRE D'AMBRE »

Shipowner : PIERRE-MARIE



Shipyard : OCEA (FR)

2x MM W6400 + PTI + Shaft line

60m Offshore Support Vessel : Kri Rigel & Kri Spica

Shipowner : National Navy of Indonesia



Shipyard: TRICO BV (NL)

2x MM W17000 + PTI + Shaft Brakes

110 m Inland Trawler : « DUANDRIA »

Shipowner : OLESIA BV



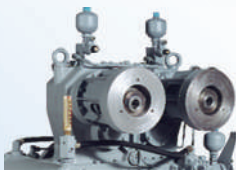
Shipyard: PIRIOU (FR)

MM W7400NREW+ 2 PTO + MMS 520 + NOZZLE

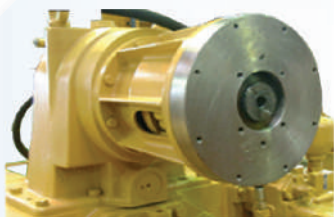
Trawler : « ANTHEMIS »

Shipowner : CABARET

Power Take Off



**To power
all your
accessories**



**Or add another
source of power to
take full advantage
of hybrid solutions**

- 1 live output
- Back side located
- Pump mounting option

Model	Maximum Rated Output kW (hp)	Maximum RPM	Ratio	Rotation direction PTO Output	Option Available	PTO Line Location (CCW Engines)
MM W2900	23 (31)	2000	1,000	Engine Wise	SAE B Mounting only	Center
MM W3300 - MM W3350	26 (35)	2480	0,887	Counter Engine Wise	SAE B Mounting only	Port
MM W3450 - MM W3700						
MM W3900 - MM W4400	28 (37)	2655	0,791	Engine Wise	SAE B Mounting only	Port
MM W5200						
MM W12000 C	151 (202)	$\frac{\text{Engine RPM}}{\text{Pump Ratio} * K1}$	0,452	Counter Engine Wise	SAE B SAE C Mounting	Port
MM W12000 C NR CEW	113 (151)		0,605			
MM W18000 C			0,790			
MM W18000 C NR CEW						
MM W20500	86 (116)					
MM W20500 EW						
MM W12000C NR EW	151 (202)	$\frac{\text{Engine RPM}}{\text{Pump Ratio} * K1}$	0,452	Engine Wise	SAE B	Starboard
MM W18000C NR EW	113 (151)		0,605		SAE C	
MM W20500 EW	86 (116)		0,790		Mounting	
MM W12000	104 (140)	$\frac{\text{Engine RPM}}{\text{Pump Ratio}}$	0,452	Engine Wise	SAE B	Port
MM W17000	78 (104)		0,605		SAE C	
MM W18000			0,790		Mounting	
MM W20000	60 (80)					
MM W12000 NR EW	146 (195)	$\frac{\text{Engine RPM}}{\text{Pump Ratio}}$	0,452	Engine Wise	SAE B	Port
MM W18000 NR EW	109 (146)		0,605		SAE C	
MM W20000 EW	83 (112)		0,790		Mounting	
MM W12000 NR CEW	146 (195)	$\frac{\text{Engine RPM}}{\text{Pump Ratio}}$	0,452	Counter Engine Wise	SAE B	Starboard
MM W18000 NR CEW	109 (146)		0,605		SAE C	
MM W20000 CEW	83 (112)		0,790		Mounting	
MM W12200 NR	146 (196)	$\frac{\text{Engine RPM}}{\text{Pump Ratio} * K1}$	0,452	Engine Wise	SAE B	Port
MM W18200 NR	109 (147)		0,605		SAE C	
MM W20200 NR	84 (112)		0,790		Mounting	

Available for CCW engine
NO radial load allowed.

Exact value on
request following gearbox
model , Engine RPM , ratio

PTO TYPE 1

PTO

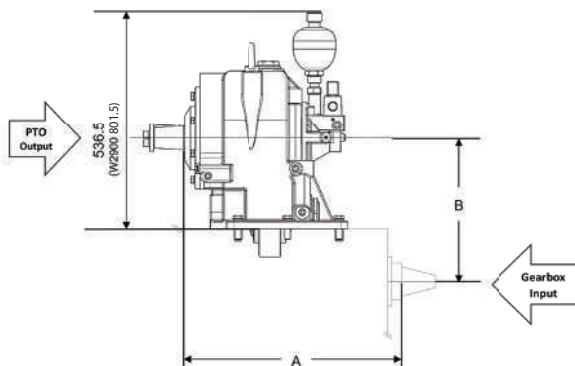


- 1 live or clutchable output
- Top located
- Pump mounting option

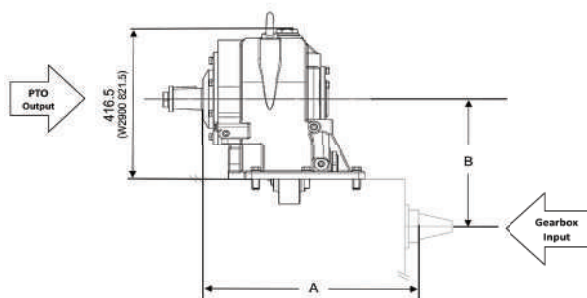
Model	Maximum Rated Output kW (hp)	Maximum RPM	Ratio	Dimension A (mm)		Dimension B (mm)
				Live	Clutchable	
MM W2900	440 (590)	3000	0,630	821.5	821.5	378
	440 (590)		0,717			388
	371 (497)	2529	0,870			406
	323 (433)	2200	1,000			421
	303 (406)	2066	1,065			429
	270 (362)	1839	1,196			444
MM W3300	440 (590)	3000	0,679	498	503	404
MM W3350	371 (497)	2651	0,830			421
MM W3450	323 (433)	2243	0,981			437
MM W3700						
MM W3900	440 (590)	3000	0,800	689	693	408
MM W4400	385 (516)	2625	0,945			424
	326 (437)	2222	0,600			441
MM W5200	440 (590)	3000	0,600	769	774	418
	420 (563)	2865	0,733			435
	355 (476)	2422	0,867			451
MM W4000	440 (590)	3000	0,800	675	680	387
MM W6000	440 (590)		0,977			404
	408 (548)		1,155			420
MM W5700	440 (590)	3000	0,642	731	737	410
MM W6400	440 (590)		0,785			427
MM W7200	440 (590)		0,928			443
MM W7400	408 (548)					

Exact value of
Max power and RPM are up to the
characteristics of the gearbox.

Clutchable



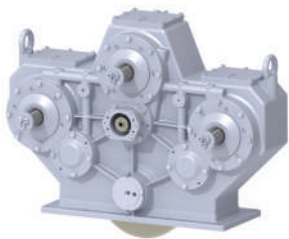
Live



$$\text{RPM PTO} = \text{RPM gearbox} / \text{PTO ratio}$$

PTO TYPE 2 & 3

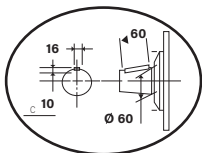
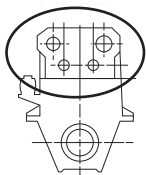
PTO



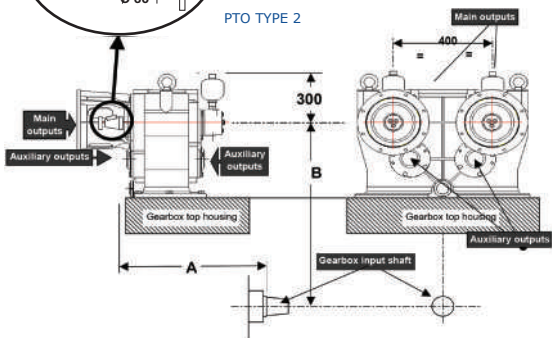
- Main output 2 or 3 live clutchable
- Top located
- Pump mounting option

Model	Maximum Power per Output kW (hp)	Maximum Total Power kW (hp)		Maximum RPM	Ratio	Dimension A (mm)	Dimension B (mm)		Dimension C (mm)	
		Type 2	Type 3				Type 2	Type 3	Type 2	Type 3
MM W3300	440 (590)	667 (894)	861 (1154)	3000	15 ratios from 0,414 to 1,243 values on request	421	516	714	523	(-)
MM W3350										
MM W3450										
MM W3700										
MM W3900	440 (590)	691 (927)	861 (1154)	3000	15 ratios from 0,399 to 1,198 values on request	612	519	718	526	(-)
MM W4400										
MM W5200	440 (590)	757 (1016)	1292 (1733)	3000	15 ratios from 0,366 to 1,098 values on request	692	530	728	537	(-)
MM W4000	427 (573)	566 (759)	1297 (1740)	3000	15 ratios from 0,487 to 1,464 values on request	604	499	697	506	(-)
MM W6000										
MM W5700	440 (590)	704 (944)	1304 (1749)	3000	15 ratios from 0,392 to 1,176 values on request	655	522	720	529	(-)
MM W6400										
MM W7200										
MM W7400										

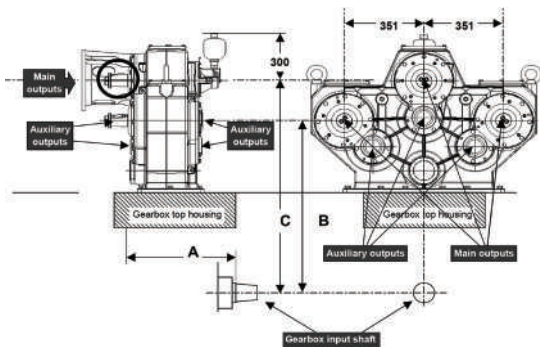
Exact value of
RPM , Max power are up to the
characteristics of the gearbox.



PTO TYPE 2



PTO TYPE 3



$$\text{RPM PTO} = \text{RPM gearbox} / \text{PTO ratio}$$

PTO TYPE A



- 1 live output
- Back side located
- Pump mounting option

Model	Maximum Rated Output kW(hp)	Maximum RPM	Direction of rotation (PTO Starboard side)
MM W8000C / NR C	255 (342)	1709	Counter Engine Wise
MM W8000	283 (379)	1800	Engine Wise
MM W8200 NR CEW	961 (1289)	1700	Engine Wise
MM W12000C / NRC	509 (682)	1244	Counter Engine Wise
MM W12000	452 (607)	1600	Engine Wise
MM W12200	1152 (1545)	1600	Engine Wise
MM W17000	283 (379)	1800	Engine Wise
MM W18000C / NRC	586 (786)	1628	Counter Engine Wise
MM W18000	660 (885)	1800	Engine Wise
MM W18200	1728 (2317)	1650	Engine Wise
MM W20000	660 (885)	1700	Engine Wise
MM W20200	1885 (2528)	1800	Engine Wise
MM W20500	550 (737)	1812	Counter Engine Wise

The exact value of
Max power and RPM are up to the
gearbox characteristics .

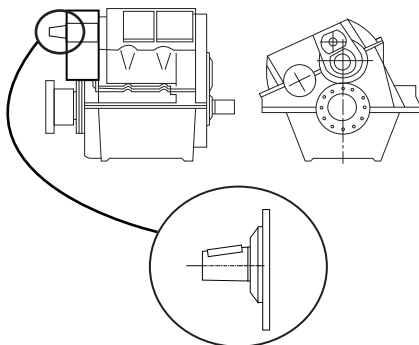


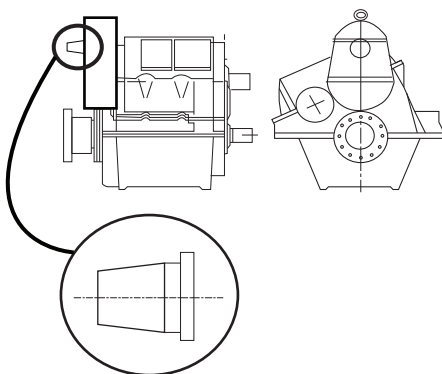
PTO B2

Model (And all variants C/NR/NRC /NR EW)	Type of PTO	Maximum Rated Output kW(hp)	Maximum RPM	Ratio of the PTO
MM W7400	PTO B2 Clutchable	384 (515)	2300	0,375
MM W8000		469 (629)		0,459
MM W12000		547 (734)		0,534
MM W17000		665 (891)		0,648
MM W18000		667 (895)	2010	0,745
MM W20000				
MM W20500				
MM W7400	PTO B2 Live	400 (537)	2300	0,375
MM W8000		550 (737)		0,459
MM W12000		720 (965)		0,534
MM W17000		780 (1046)		0,648
MM W18000		734 (984)	2010	0,745
MM W20000				
MM W20500				

PTO B3

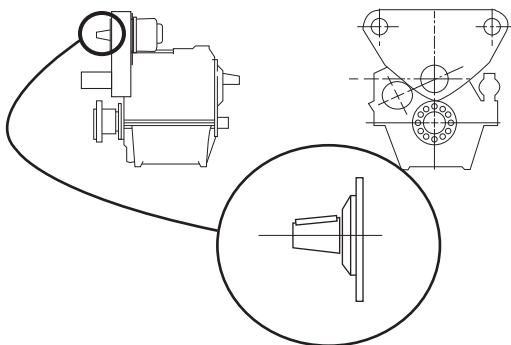
Model	Type of PTO	Maximum Rated Output kW(hp)	Maximum RPM	Ratio of the PTO
MM W8000	PTO B3 Live	263 (353)	2500	0,672
MM W17000		262 (351)		0,661
		230 (309)		0,590
		199 (267)		0,506
		168 (225)		0,428
MM W12000	PTO B3 Live	509 (683)	2500	0,672
MM W18000		501 (672)		0,661
MM W20000		448 (600)		0,590
MM W20500		384 (514)		0,506
		325 (435)		0,428





Model	Type of PTO	Maximum Rated Output kW(hp)	Maximum RPM	Ratio of the PTO
MM W8000	PTO B4 Live	999 (1340)	2500	0,555
MM W20000				
MM W20500				

Exact value of
Max power and RPM are up to
gearbox characteristics .



Model	Maximum Rated Output kW(hp)		Maximum RPM	Ratio of PTO
	1 Output	2 Output		
MM W8000	397 (533)	674 (904)	2300	0,986
				0,824
				0,662
				0,527
				0,500
				0,419
MM W12000 MM W18000 MM W20000 MM W20500	506 (678)	674 (904)	2300	0,817
				0,728
				0,685
				0,663
				0,641
				0,598
				0,554
				0,532
				0,489
				0,402

Additional PTO
A and B3 can be fitted
on the PTO C up to the
gearbox ratio.

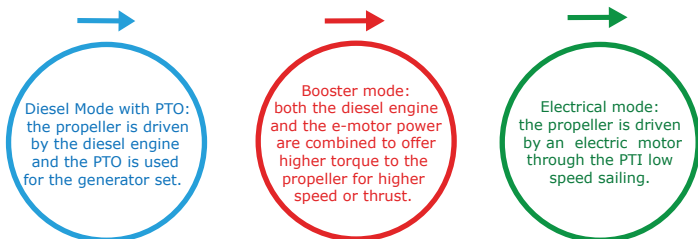
Power Take In



PTI : Power Take In

Our PTI are based on the design of our PTOs. As it is more common to use clutchable PTI, we mainly use PTO Type 1 and B2 as PTI.

3 choices of working modes

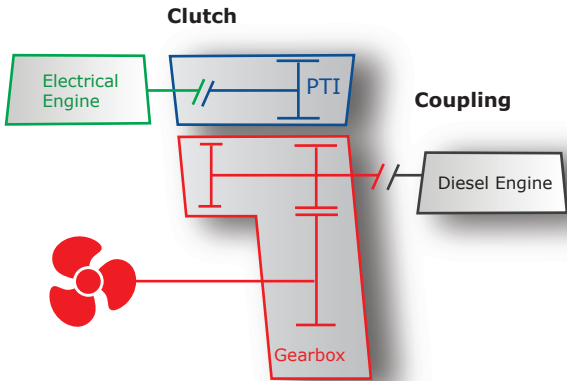


In diesel mode the PTI can be used as a PTO, only some configuration allow to have double use of your accessory, technical study is required before.

The booster mode include the simultaneous use mode of Electrical engine and PTI, this mode is only possible if we can match the Diesel Engine performance curves with the one of the Electrical Engine Modulo the Gearbox and PTI ratio, please deliver all technical specification to allow our experiend R&D Office to proceed to a study of feasibility.

The electrical mode : To use only the electrical engine to propel the vessel This requires to decouple the Diesel engine and the Gearbox, this cannot be achieved for all configurations it technical needs to be carried out as well.

PTI : Power Take In



Propeller (can be provided with the package solution)

This scheme is an example of how the Electrical Engine and the Diesel Engine is independent from each other. They can be clutched together to provide a combined source of power.

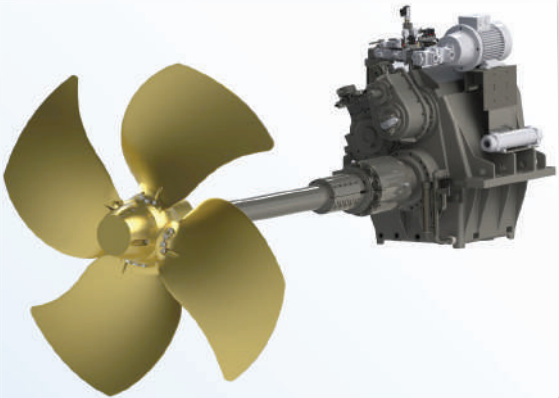
To offer you the best experience it is necessary to adapt the PTI ratio to match the propeller performances.

Thus, for this kind of applications a package with a Masson Controllable Pitch Propeller is advised as it is possible to adapt to multiple input configurations.

Propeller Range



We can provide full range of Fixed
Pitch Propellers and Controlable
Pitch Propellers

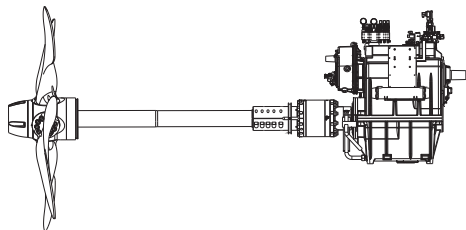


Take advantage of our package
offer with our gearboxes for
optimal efficiency and prices





Model	Associated Gearbox	kW/RPM (hp/RPM)	Propeller Minimum Ø (mm)	Propeller Maximum Ø (mm)
MM 300	On request	0,6 (0,8)	900	1350
MM 370	On request	0,9 (1,2)	1050	1650
MM 430	On request	1,3 (1,75)	1300	1850
MM 480	W3XXX	2,45 (3,3)	1440	2300
	W4000			
	W3900 / 440			
	W5200			
MM 520	W5200	4,5 (6,1)	1560	2500
	W5700			
	W6000			
	W6400 / 7200			
	W7400			
MM 620	W7400 / W8000	6,5 (8,8)	1850	2850
	W12000			
MM 660	W12000	9,0 (12,0)	1980	3100
	W17000			
	W18000			
MM 720	W12000	11,0 (14,8)	2160	3300
	W17000			
	W18000			
	W20000			
MM 780	W200000	15,0 (20,1)	2340	3600
MM 860	On request	22,0 (29,5)	2580	3930





Masson Marine has **many years of experience** in propeller design. We are able to customize your propeller to ensure the **optimum performance** both in terms of **thrust** and **efficiency**.



EPI SUCESSO (Tug Boat)
Engines : 2 x CAT 3512B - 2600HP
Gearboxes : 2 x MM W7400
Propellers : FPP



Available Configuration

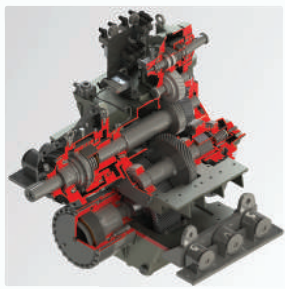
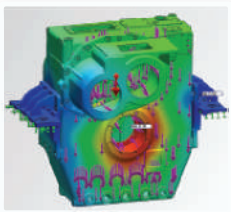
- Oil or Water lubricated
- Open or ducted propeller (Nozzle)
- 4 or 5 blades design

EXPERTISE

QUALITY RELIABILITY PERFORMANCES

A new level of control performance for inboard, outboard or stern - drive engines.

Masson Marine put it's **expertise at your service**. Our experience is fully turned to satisfy your needs. Our team of **R&D Engineers** are both competent in terms of **mechanical** and maritime engineering and we provide you with the best product by giving you the best solutions.



Our expertise goes from the **calculation with dedicated** software to the marine engineering inside the vessel.

SERVICE

QUALITY RELIABILITY PERFORMANCES





A key factor for our products long life...



Product	Example	Worldwide service partner	Recommended maintenance
Outboard	Water pump - Oil filter	Service the bearings	Oil change - 100 H
Inboard	Water pump - Oil filter	Service the shaft	Oil change - 100 H
Stem Drive	Water pump - Oil filter	Service the shaft	Oil change - 100 H
Stem Drive	Water pump - Oil filter	Service the shaft	Oil change - 100 H
Stem Drive	Water pump - Oil filter	Service the shaft	Oil change - 100 H
Stem Drive	Water pump - Oil filter	Service the shaft	Oil change - 100 H

Masson Marine builds and assembles gearboxes from A to Z. **Regular maintenance** of your equipment is vital for it's lifetime.

Our **experienced service network** is available worldwide and benefits from the support of our skilled after Sales and Service department. To ensure the optimal operation of your Masson product, please refer to our maintenance schedule or to your nearest service partner for more details.

After Sales

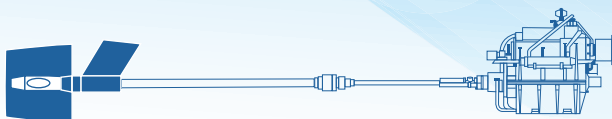
- Worldwide Service Network (>30 dealers).
- Easy Maintenance (no specific tool required).
- Large stock of spare parts.
- Dedicated In-House Qualified Team supplying:
 - Technical analysis.
 - Spare parts recommendation.
 - Workshop manual.
- Dedicated Warehouse & Shipping Process.



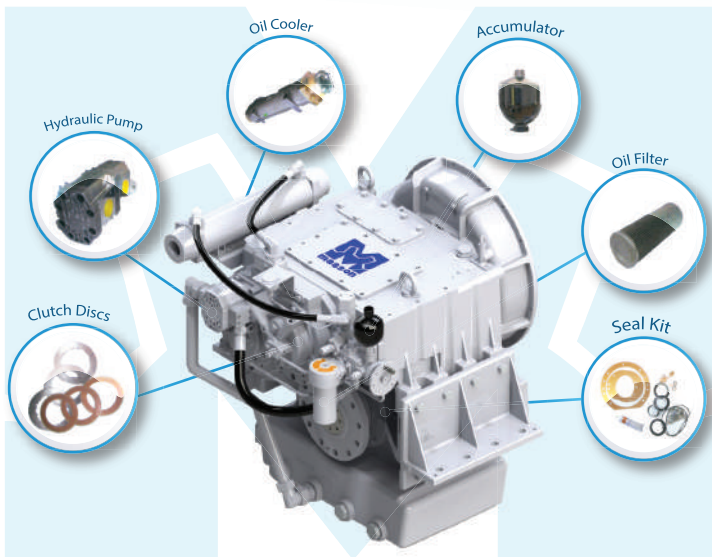


SERVICE

QUALITY RELIABILITY PERFORMANCES



A key factor for our products long life...



Product	Function	Breakdown consequences	Recommended replacement
Oil Filter 	Maintains clean oil	Damages the bearings	(Cleaning : 500 h) 2 500 h
Accumulator 	Allows smooth function of clutch command	Damages the clutch	15 000 h
Seal Kit 	Maintains sealing	Leakages	15 000 h
Oil Cooler 	Maintains oil temperature	Clutch Disc premature wear	15 000 h
Clutch Discs 	Maintains positive clutch engagement	Slippage	20 000 h
Hydraulic Pump 	Maintains oil pressure	Immobilization of the boat	20 000 h



Other former gearbox models

Support and correspondance table

Support of your good old Masson gearbox ...

Gearboxes with the following model names were manufactured under the brand names Masson, Pont-a-Mousson or Renk S.E.E. (Societe Europeenne d'Engrenages) Manufacturing is discontinued, but after-sales support is still possible. Please contact Masson Marine for parts and retrofit.

- RSA 60
- RCD 60
- 200
- 280
- 400
- 570
- 701
- 201
- 281
- 471

Former name, actual name : correspondance table

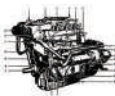
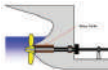
Some of the gearbox models changed names during the company history. Herebelow is a correspondance table between former and actual model names

Former name	Actual Range
NGC, RCD 320, ECD 320, EID 320, ZF W3200, MM W3200	MM W3450
RCD 401, ECD 401, EID 401, ZF W4000	MM W4000
RCD 401 GP, ECD 401 GP, ESD 401 GP or RSD 501 , ECD 501 ESD 501 or RSD 601, ECD 601, ESD 601 or ZF W6000	MM W4000
RSD 571, ECD 571, ESD 571	MM W5700
RSD 603, ECD 603, ESD 603, ZF W6300, MM W6300	MM W6400
RSD 703, ECD 703, ESD 703, ZF W7000, MM W7000	MM W7200
RSD 753, ECD 753, ESD 753, ZF W7300, MM W7300	MM W7400
RCD 800, ECD 800, EID 800, ESD 800, ZF W8000, ZF W8200	MM W8000
RSL 800, ECL 800, ESL 800, ZF W8000C	MM W8000C
RCD 1250, ECD 1250, EID 1250, ESD 1250, ZF W12000, ZF W12200	MM W12000
RSI 1250, ECL 1250, ESL 1250, ZF W12000C	MM W12000C
RCD 1650, ECD 1650, EID 1650, ZF W16500, MM W16500	MM W17000
RCD 1850, ECD 1850, EID 1850, ESD 1850, ZF W18000, ZF W18200	MM W18000
RSL 1850, ECL 1850, ESL 1850, ZF W18000C	MM W18000C
RCD 2035, ECD 2035, EID 2035, ESD 2035, ZF W20000, ZF W20200	MM W20000
RSL 2035, ECL 2035, ESL 2035, ZF W20000C	MM W20000C
RSA 2035, ECA 2035, ESA 2035, ZF W20500	MM W20500

Note

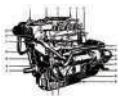
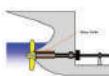


GA Drawing include ☐ NO ☐ YES

DATE :	RFQ :
GENERAL 	Type of boat : _____ Length : _____ meters Speed : _____ Knots Hull : ☐ Mono ☐ Catamaran ☐ Trimaran Material : ☐ Aluminium ☐ Fiberglass ☐ Wood ☐ Steel Displacement : _____ Tons Nb Screw : ☐ SINGLE ☐ TWIN ☐ TRIPLE Class : ☐ NO ☐ YES
ENGINE 	Model/Brand : _____ Rating : _____ kW at _____ rpm Request customer : _____
GEARBOX 	_____ _____ Ratio : _____ : _____
SHAFT 	Length : _____ mm Diameter : _____ mm Material : _____
STERNTUBE 	Length : _____ mm Diameter : _____ mm Type of lubrication : _____
PROPELLER 	Type : ☐ FPP ☐ CPP Number of blade : _____ Max Diameter : _____ mm Nozzle : ☐ YES ☐ NO Estimated RPM : _____



GA Drawing include ☐ NO ☐ YES

DATE :	RFQ :
GENERAL 	Type of boat : _____ Length : _____ meters Speed : _____ Knots Hull : ☐ Mono ☐ Catamaran ☐ Trimaran Material : ☐ Aluminium ☐ Fiberglass ☐ Wood ☐ Steel Displacement : _____ Tons Nb Screw : ☐ SINGLE ☐ TWIN ☐ TRIPLE Class : ☐ NO ☐ YES
ENGINE 	Model/Brand : _____ Rating : _____ kW at _____ rpm Request customer : _____
GEARBOX 	_____ _____ Ratio : _____ : _____
SHAFT 	Length : _____ mm Diameter : _____ mm Material : _____
STERNTUBE 	Length : _____ mm Diameter : _____ mm Type of lubrication : _____
PROPELLER 	Type : ☐ FPP ☐ CPP Number of blade : _____ Max Diameter : _____ mm Nozzle : ☐ YES ☐ NO Estimated RPM : _____

ABOUT OUR COMPANY RESOURCES



● = Network dealers

◆ Masson Marine Propulsion Pte Ltd

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(Subsidiary)
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Phone: +65 6795 0209
Fax: +65 6795 0082
Mail: sales@masson-marine.com

◆ Masson Marine Iberica

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(Subsidiary)
Masson Marine Iberica
Avda San Pablo 28, Nave 22
28823 Coslada (Madrid)
Phone: +34 91 671 47 66
Fax: +34 91 674 78 33
Mail: contact-mmi@masson-marine.com



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Masson Marine SAS
5 rue Henri-Cavallier
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Fax: +33 (0)3 86 95 13 78
Mail: contact@masson-marine.com

◆ Masson Marine AAP

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Industrial Estate T. Nongkakha, A. Panthong,
Chonburi 20160, Thailand
Phone: +66 65 213 2244
Fax: +66 38 212 387
Mail: sales@masson-marine.com

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Karayampalayam, Coimbatore, Tamil Nadu
641062, India
Mail: sales@masson-marine.com

Masson Marine products are available all over the world through our Network dealers

www.masson-marine.com
contact@masson-marine.com

