

# A Guide to ZF-MPM Marine Transmissions



ZF MPM



# ZF-MPM Marine Transmission Power Capacity Chart

Model	Maximum RPM	Gear Ratio Lubrication								Max. Input Torque (ft-lb)
		2.35:1		1.70:1		1.25:1		1.00:1		
		SAE 90W	SAE 150W	SAE 90W	SAE 150W	SAE 90W	SAE 150W	SAE 90W	SAE 150W	
ZF 40-200	1500	-	-	80-75	120-100	130-100	140-100	140-100	140-100	100
	1400-1200	-	-	80-75	120-100	130-100	140-100	140-100	140-100	100
	800	-	-	80-75	120-100	130-100	140-100	140-100	140-100	100
ZF 40-250	1500	-	-	140-120	180-150	190-150	200-150	210-150	210-150	100
	1400-1200	-	-	140-120	180-150	190-150	200-150	210-150	210-150	100
	800	-	-	140-120	180-150	190-150	200-150	210-150	210-150	100
ZF 50-200	1500	-	-	100-100	150-100	160-100	170-100	170-100	170-100	100
	1400-1200	-	-	100-100	150-100	160-100	170-100	170-100	170-100	100
	800	-	-	100-100	150-100	160-100	170-100	170-100	170-100	100
ZF 50-250	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 60-200	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 60-250	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 70-200	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 70-250	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 80-200	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 80-250	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 90-200	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
ZF 90-250	1500	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	1400-1200	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100
	800	140-100	180-100	200-100	250-100	260-100	270-100	270-100	270-100	100

\* Always use ZF Marine gear oil (SAE 90W, SAE 150W). Always use the correct oil grade capacity. Please refer to the listing on page 10.  
 † Max. Input Torque is limited to 100% of the rated torque.  
 ‡ Max. Input Torque is limited to 100% of the rated torque.  
 § Max. Input Torque is limited to 100% of the rated torque.  
 ¶ Max. Input Torque is limited to 100% of the rated torque.

## ZP-MPM Marine Transmission Power Capacity Chart

RATED H.P./K.W.	REACTION M/F/C	30° HELIX GEARING								MAXIMUM RPM/REV	
		CONTAINER		MOTOR		JET		TURBO/JET			
		STERN	POINTE	POINTE	POINTE	STERN	POINTE	STERN	POINTE		
2000/1	R	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
2000/1	F	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
2000/1	C	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
2000/1		4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
1500/1	R	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
1500/1	F	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
1500/1	C	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
1500/1		3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
1000/1	R	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
1000/1	F	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
1000/1	C	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
1000/1		2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
500/1	R	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
500/1	F	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
500/1	C	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
500/1		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

## PPS/PPD\* - Stern Drives\*\*

RATED H.P./K.W.	REACTION M/F/C	30° HELIX GEARING								MAXIMUM RPM/REV
		CONTAINER		MOTOR		JET		TURBO/JET		
		STERN	POINTE	POINTE	POINTE	STERN	POINTE	STERN	POINTE	
100/1 150/1.1*	R	2000	2000	2000	2000	2000	2000	2000	2000	2000
100/1 150/1.1*	F	2000	2000	2000	2000	2000	2000	2000	2000	2000
100/1 150/1.1*	C	2000	2000	2000	2000	2000	2000	2000	2000	2000
100/1 150/1.1*		2000	2000	2000	2000	2000	2000	2000	2000	2000
50/1 75/1.1*	R	1000	1000	1000	1000	1000	1000	1000	1000	1000
50/1 75/1.1*	F	1000	1000	1000	1000	1000	1000	1000	1000	1000
50/1 75/1.1*	C	1000	1000	1000	1000	1000	1000	1000	1000	1000
50/1 75/1.1*		1000	1000	1000	1000	1000	1000	1000	1000	1000

\* 1/2 shaft by 1/2 shaft, 1/4 shaft by 1/4 shaft, 1/8 shaft by 1/8 shaft. \*\* 1/4 shaft by 1/4 shaft, 1/8 shaft by 1/8 shaft, 1/16 shaft by 1/16 shaft.

