



### Main technical specifications

	MP-470(H)	MP-480(H)	MP-490(H)
Type	Vertical, water-cooling, 4-stroke direct-injection combustion chamber		
No. of cylinders	4		
Bore x stroke (mm x mm)	102 x 118	105 x 118	108 x 118
Total displacement (L)	3.857	4.085	4.322
Rate power (HP/r/min)	70/2500	80/2500	90/2500
Max. torque (N.m)	226	256	286
Alternator	14V/750W		
Marine gear box	MA142		
Reduction ratio	2:1, 2.5:1, 3:1		
Transmission	Hydraulic		
Installation angle	<20°		
Net weight (Kg)	560	580	580

