

YANMAR 3QM30F SPECS.

Model			3QM30		3QM30H		3QM30Y		3QM30F	
Type			Vertical 4-cycle water cooled diesel engine							
Combustion chamber			Swirl pre-combustion chamber							
Number of cylinders			3							
Bore × stroke		mm	88 × 90							
Displacement		cc	1642							
Continuous rating output (DIN6270A)	Output/Crankshaft speed	HP/rpm	30/2600							
	Brake mean effective pressure	kg/cm²	6.32							
	Piston speed	m/sec.	7.80							
	Propeller speed (Ahead)	rpm	1182	810	1281	867	1182	810	1281	867
One hour rating output (DIN6270B)	Output/crankshaft speed	HP/rpm	33/2800							
	Brake mean effective pressure	kg/cm²	6.46							
	Piston speed	m/sec.	8.40							
	Propeller speed (Ahead)	rpm	1273	872	1379	933	1273	872	1379	933
Compression ratio			20:1							
Fuel injection timing		degree	bTDC 28							
Fuel injection pressure		kg/cm²	160 ± 10							
Engine weight (dry)		kg	280		260		310		290	
Main power take off			at Flywheel side							
Front power take off			at Crankshaft V-pulley side							
Direction of rotation	Crankshaft	Counter-clockwise viewed from stern								
	Propeller shaft	Clockwise viewed from stern								
Cooling system			Direct sea water cooling				Fresh water cooling			
Lubrication system			Complete enclosed forced lubrication							
Starting system			Electric and/or manual							
Reduction gear system			Constant-mesh spur gear		Constant-mesh helical gear		Constant-mesh spur gear		Constant-mesh helical gear	
Clutch	Type of clutch	Mechanical wet type single disc		Mechanical wet type multi disc		Mechanical wet type single disc		Mechanical wet type multi disc		
	Model	YP-10M		KH18		YP-10M		KH18		
Reduction ratio	Ahead	2.20	3.21	2.13	3.00	2.20	3.21	2.13	3.00	
	Astern	2.30	3.46	1.96	3.06	2.30	3.46	1.96	3.06	
Dimensions	Overall length	mm	924		952.5		924		966.5	
	Overall height	mm	673		692		714		733	
	Overall width	mm	501		501		562		562	
Lubricating oil capacity	Total	l	6.5							
	Effective	l	2.2							
	Clutch	l	1.2		*1.7		1.2		*1.7	