

Engine model	Rated power ICFN			Application group		Application group	
	kW	bhp	rpm	1A	1B	1D	1DS
Series 4000	8V 4000 M53R	746	1000	1600	■		
	8V 4000 M55RN [®]	746	1000	1600	■		
	8V 4000 M54R	746	1000	1600	■		
	8V 4000 M54	895	1199	1800	■		
	8V 4000 M53	920	1234	1800	■		
	8V 4000 M63	1000	1340	1800	■		
	12V 4000 M53R	1140	1529	1600	■		
	12V 4000 M54	1193	1600	1800	■		
	12V 4000 M53	1380	1851	1800	■		
	12V 4000 M64	1398	1875	1800	■		
	12V 4000 M65R	1492	2001	1600	■		
	16V 4000 M53R	1492	2000	1600	■		
	16V 4000 M55RN [®]	1492	2001	1600	■		
	12V 4000 M63	1500	2012	1800	■		
	16V 4000 M53R	1520	2038	1600	■		
	16V 4000 M54	1685	2260	1800	■		
	16V 4000 M53	1840	2467	1800	■		
	16V 4000 M65R	1840	2467	1800	■		
	16V 4000 M63R [®]	1920	2575	1600	■		
	12V 4000 M73	1920	2575	1970		■	
	16V 4000 M64	1999	2681	1800	■		
	16V 4000 M63	2000	2682	1800	■		
	16V 4000 M65RN [®]	2000	2682	1800	■		
Series 4000	12V 4000 M73L	2124	2848	2050		■	
	12V 4000 M73L	2160	2895	2050		■	
	16V 4000 M65	2240	3004	1800	■		
	16V 4000 M63L	2240	3004	1800	■		
	12V 4000 M93	2340	3140	2100			■
	16V 4000 M73	2560	3435	1970		■	
	16V 4000 M65L	2560	3433	1800	■		
	12V 4000 M93L	2580	3460	2100			■
	16V 4000 M73L	2832	3798	2050		■	
	16V 4000 M73L	2880	3860	2050		■	
	16V 4000 M93	3120	4185	2100			■
	20V 4000 M73	3200	4290	1970		■	
	16V 4000 M93L	3440	4615	2100			■
	20V 4000 M73L	3540	4747	2050		■	
	20V 4000 M73L	3600	4830	2050		■	
	20V 4000 M93	3900	5230	2100			■
	20V 4000 M93L	4300	5766	2100			■

1A - Engines for vessels with unrestricted continuous operation

Average load: 70 - 90% of rated power; Rating definition: ICFN, fuel stop;
Typical annual usage: unrestricted*

1B - Engines for fast vessels with high load factors

Average load: 60 - 80% of rated power; Rating definition: ICFN, fuel stop;
Typical annual usage: 5000 hours*

1D - Engines for fast vessels with intermittent load factors

Average load: ≤ 60% of rated power; Rating definition: ICFN, fuel stop;
Typical annual usage: 3000 hours*

1DS - Engines for fast vessels with low load factors

Average load: ≤ 60% of rated power; Rating definition: ICFN, fuel stop;
Typical annual usage: 1500 hours*

MTU application group >		1A	1B	1D	1DS
v Mechanical propulsion engines					
Yacht	Planing			■	■
	Semi planing			■	■
	Small displacement		■	■	■
	Large displacement > 120 ft.	■	■	■	■