



By Ken Hocke, Senior Editor

The U.S. Environmental Protection Agency's emissions legislation marches on with more Tier 4 engines entering the market over the past year. All diesel engines with ratings above 804 hp will have to be Tier 4 by 2017. (Tier 4 applies to diesels with a horsepower rating of 804 and above. The latest rating is designed to reduce particulate matter by 90% and nitrogen matter by 80% compared to Tier 2 engines.)

So not all 804-hp engines have to be compliant concurrently. (A good reference guide can be found at www.dieselnet.com. Click on "Standards" on the menu at the top of the page.)

Cummins new EPA Tier 4 QSK60 engines are set to debut before next year's Power Guide is published. The company introduced the engine at the 2014 **International WorkBoat Show**. The QSK60 will have power levels up to 2,700 hp and utilize the company's selective catalytic reduction to bring down emission levels within the exhaust instead of an in-cylinder reduction, so no major changes to the engine's external configuration will be needed, Cummins said.

Man Engines & Components now has a line of Tier 3 diesels that range from light duty (730 hp to 1,800 hp at 2,300 rpm) to medium duty (400 hp to 1,400 hp at 2,100 rpm) to heavy duty

(258 hp to 1,000 hp at 1,800 rpm).

GE Marine has a line of Tier 4 diesels in 12- and 16-cylinder packages. The company reduces NOx and particulate matter in-cylinder using EGR (exhaust gas recirculation).

Unfortunately, **Northern Lights/Lugger** has dropped out of the survey after more than 20 years because "we are no longer manufacturing diesel engines. Our manufacture business is generator sets and HVACR," said the company's marketing manager, Scott Putnicki.

Be sure to check out all the diesel manufacturers' booths at this year's International WorkBoat Show, to be held Dec. 1-3 in New Orleans.

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.) L W H			Weight (lbs.)	High Output hp rpm	Medium Duty hp rpm	Continuous Duty hp rpm
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Cat 3056	6	365	3.94x5.0	—	42.05	30.6	31.5	1,312	—	185 @ 2,100 205 @ 2,500	—
Cat C7 TA	6	442	4.33x5.0	—	48.1	36.2	36.1	1,760	—	125 @ 2,600 275 @ 2,400	250 @ 2,400
Cat C7 (ACERT)	6	442	4.33x5.0	—	48.1	36.2	36.1	1,760	370 @ 2,600 455 @ 2,800	—	—
Cat C9 (ACERT TA)	6	538	4.41x5.87	—	47.2	38.3	38.7	2,086	503 @ 2,500 567 @ 2,500	—	—
Cat C12 TA	12	732	5.1x5.9	—	62	38.1	39.5	2,588	570 @ 2,300 600 @ 2,300	385 @ 1,800 454 @ 2,100	340 @ 1,800

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
Cat C12 (ACERT) TA	6	732	5.1x5.9	—	62	38.1	39.5	2,588	660 @ 2,300	705 @ 2,300	490 @ 2,300	—	—	—
Cat C15 (ACERT) TA	6	—	—	—	—	—	—	3,226	800 @ 2,300	853 @ 2,300	—	—	—	—
Cat C18 TA	6	1,106	5.7x7.2	—	61.3	41.6	46.4	3,700- 4,200	873 @ 2,200	1,001 @ 2,300	479 @ 1,800	340 @ 1,800	385 @ 1,800	454 @ 1,800
									—	—	553 @ 2,100	587 @ 1,800	600 @ 1,800	—
									—	—	671 @ 2,100	—	—	—
									—	—	715 @ 2,100	—	—	—
Cat C18 (ACERT) TA, TTA	6	1,106	5.7x7.2	—	62.6	44	46.5	3,700- 4,200	873 @ 2,200	918 @ 2,100	553 @ 2,100	454 @ 1,800	670 @ 2,100	479 @ 1,800
									1,001 @ 2,300	1,136 @ 2,300	715 @ 2,100	600 @ 1,800	—	—
Cat C32 (ACERT)	12	1,959	5.71x6.38	—	77.8	55.4	54.4	7,100- 7,300	1,600 @ 2,300***	—	1,300 @ 2,100	660 @ 1,800***	660 @ 1,600***	750 @ 1,800***
									—	—	—	750 @ 1,600***	850 @ 1,800***	850 @ 1,600***
									1,800 @ 2,300***	—	1,600 @ 2,300***	—	—	—
									—	—	—	950 @ 1,600	1,000 @ 1,800***	—
									1,900 @ 2,300***	—	1,200 @ 1,800***	—	—	—
									—	—	1,300 @ 1,800- 2,100***	—	—	—
									—	—	1,450 @ 2,300***	—	—	—
									—	—	1,600 @ 2,300***	—	—	—
Cat 3508 TTA	8	2,105	6.7x7.5	—	81.8	67.1	71	11,499	1,150 @ 1,800	—	805 @ 1,300	705 @ 1,200	905 @ 1,600	855 @ 1,600
									—	—	960 @ 1,800	855 @ 1,800	—	—
									—	—	820 @ 1,300	—	—	—
									—	—	1,000 @ 1,800	—	—	—
Cat 3508B TTA	8	2,105	6.7x7.5	—	90.9	67.1	71	10,181- 11,499	1,400 @ 1,880*	1,500 @ 1,925*	850 @ 1,200	775 @ 1,200	960 @ 1,800	855 @ 1,600
									—	—	960 @ 1,800	855 @ 1,800	—	—
									—	—	1,050 @ 1,600	1,000 @ 1,600	—	—
									—	—	1,050 @ 1,800	1,000 @ 1,800	—	—
									—	—	900 @ 1,200	—	—	—
									—	—	1,000 @ 1,600	—	—	—
									—	—	1,100 @ 1,800	—	—	—
									—	—	1,200 @ 1,685*	—	—	—
									—	—	1,600 @ 1,600*	—	—	—
Cat 3508C TTA	8	2,107	6.7x7.5	—	83.4	67	72	10,935	—	—	850 @ 1,200	775 @ 1,200	900 @ 1,200	1,000 @ 1,600
									—	—	1,050 @ 1,600	—	—	—
									—	—	1,100 @ 1,600	—	—	—
									—	—	1,301 @ 1,200	1,207 @ 1,200	—	—
Cat 3512 TTA	12	3,158	6.7x7.5	—	107	67.1	80.8	14,398- 14,411	1,750 @ 1,800	—	1,360 @ 1,600	1,280 @ 1,600	1,445 @ 1,800	1,280 @ 1,800
									—	—	1,408 @ 1,200	—	—	—
									—	—	1,410 @ 1,600	—	—	—
									—	—	1,500 @ 1,800	—	—	—
Cat 3512B TTA	12	3,158	6.7x7.5	—	121	70.2	82.3	14,398- 14,411	2,100 @ 1,880*	2,250 @ 1,925*	1,155 @ 1,200	1,100 @ 1,200	1,260 @ 1,200	1,280 @ 1,600
									—	—	1,750 @ 1,600	1,300 @ 1,200	—	—
									—	—	1,350 @ 1,200	1,500 @ 1,200- 1,800	—	—
									—	—	1,360 @ 1,600	1,500 @ 1,800***	—	—
									—	—	1,360 @ 1,800	1,500 @ 1,200	—	—
									—	—	1,575 @ 1,600	1,675 @ 1,600	—	—
									—	—	1,575 @ 1,800	1,810 @ 1,600	—	—
									—	—	1,210 @ 1,200	—	—	—
									—	—	1,300 @ 1,200	—	—	—
									—	—	1,410 @ 1,600	—	—	—
									—	—	1,410 @ 1,800	—	—	—
									—	—	1,475 @ 1,200	—	—	—
									—	—	1,650 @ 1,600	—	—	—
									—	—	1,650 @ 1,800	—	—	—
									—	—	1,800 @ 1,785*	—	—	—
									—	—	1,950 @ 1,835*	—	—	—
									—	—	1,800 @ 1,785*	—	—	—
									—	—	1,810 @ 1,600**	—	—	—
									—	—	2,012 @ 1,600**	—	—	—
Cat 3512B TTA	12	3,576	6.7x7.5	—	121	70.2	82.3	14,144- 14,398	—	—	1,650 @ 1,600	1,500 @ 1,200- 1,800	—	—
									—	—	1,911 @ 1,600	1,675 @ 1,600	—	—
									—	—	1,850 @ 1,600	1,810 @ 1,600	—	—
									—	—	2,012 @ 1,600	—	—	—
Cat 3512C TTA	12	3,161	6.69x7.48	—	105.1	87.9	88.3	14,400- 16,340	—	—	1,650 @ 1,800	1,280 @ 1,600	—	—
									—	—	1,359 @ 1,600	1,300 @ 1,200	—	—
									—	—	1,400 @ 1,200	1,400 @ 1,600	—	—
									—	—	1,409 @ 1,600	1,500 @ 1,800	—	—
									—	—	1,500 @ 1,600	—	—	—
									—	—	1,500 @ 1,200	—	—	—
									—	—	1,575 @ 1,800	—	—	—
									—	—	1,600 @ 1,600	—	—	—
Cat 3512C TTA**	12	3,574	6.69x8.46	—	105.1	87.9	88.3	14,400- 16,340	2,541 @ 1,800**	2,551 @ 1,800**	1,600 @ 1,200**	1,500 @ 1,200**	1,700 @ 1,200	1,676 @ 1,600
									—	—	1,749 @ 1,600**	1,810 @ 1,600**	—	—
									—	—	1,851 @ 1,600**	—	—	—
									—	—	1,911 @ 1,600**	—	—	—
									—	—	2,250 @ 1,800**	—	—	—
									—	—	2,012 @ 1,600**	—	—	—
									—	—	2,365 @ 1,800**	—	—	—
Cat 3512C HD Tier 3	12	3,574	6.69x8.46	—	127.2	85	86.8	17,386	—	—	2,011 @ 1,600	1,810 @ 1,600	1,910 @ 1,600	1,501 @ 1,600
									—	—	1,649 @ 1,600	1,340 @ 1,600	—	—

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
									—		1,575 @ 1,600		1,501 @ 1,800	
									—		1,649 @ 1,800		—	
									—		1,575 @ 1,800		—	
									—		2,366 @ 1,800		—	
									—		2,249 @ 1,800		—	
Cat 3516 TTA	16	4,210	6.7x7.5	—	145.3	67.1	80.8	17,699	2,200 @ 1,800		1,676 @ 1,200		1,603 @ 1,200	
									—		1,810 @ 1,600		1,710 @ 1,600	
									—		1,920 @ 1,800		1,710 @ 1,800	
									—		1,750 @ 1,200		—	
									—		2,000 @ 1,800		—	
Cat 3516B TTA	16	4,210	6.7x7.5	—	146.7	80.8	82.3	17,185- 17,699	2,800 @ 1,880* 3,000 @ 1,925		1,750 @ 1,200		1,650 @ 1,200	
									—		2,100 @ 1,600		2,682 @ 1,925*	
									—		2,100 @ 1,800		2,000 @ 1,600	
									—		1,850 @ 1,200		2,000 @ 1,800	
									—		2,200 @ 1,600		2,000 @ 1,800***	
									—		2,682 @ 1,600		—	
									—		2,400 @ 1,785*		—	
Cat 3516B TTA**	16	4,766	6.7x8.5	—	141.1	84.4	81.9	17,185- 17,699	—		2,375 @ 1,600		1,875 @ 1,200	
									—		2,575 @ 1,600		2,260 @ 1,600	
									—		2,500 @ 1,600		2,447 @ 1,600	
									—		2,682 @ 1,600		—	
Cat 3516C TTA**	16	4,765	6.69x8.46	—	125.4	84.3	84.6	17,550- 19,025	3,386 @ 1,800** 2,816 @ 1,600		2,375 @ 1,600		2,000 @ 1,600	
									—		2,575 @ 1,600		2,448 @ 1,600	
									—		3,004 @ 1,800		—	
									—		2,500 @ 1,600		—	
									—		2,682 @ 1,600		—	
									—		3,151 @ 1,800		—	
Cat 3516C TTA	16	4,211	6.69x7.48	—	148	84.3	84.6	17,550- 19,025	—		1,750 @ 1,200		—	
									—		2,100 @ 1,600		—	
									—		1,850 @ 1,200		—	
Cat 3516C HD	16	4,765	6.69x8.46	—	125.7	89.9	87.6	19,454	3,385 @ 1,800		2,216 @ 1,600		—	
									—		2,681 @ 1,600		2,446 @ 1,600	
									—		2,574 @ 1,600		2,131 @ 1,600	
									—		2,346 @ 1,600		—	
									—		2,239 @ 1,600		—	
									—		3,150 @ 1,800		—	
									—		3,003 @ 1,800		—	
Cat C280-6	6	6,773	11.0x11.8	—	158	71	108	34,496	—		2,548 @ 900		2,320 @ 900	
									—		2,722 @ 1,000		2,481 @ 1,000	
Cat C280-8	8	9,031	11.0x11.8	—	195	71	104	41,800	—		3,393 @ 900		3,084 @ 900	
									—		3,634 @ 1,000		3,299 @ 1,000	
Cat C280 12 TTA	12	13,546	11.0x11.8	—	182	80	134	57,276	—		5,096 @ 900		4,640 @ 900	
									—		5,444 @ 1,000		4,962 @ 1,000	



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Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
Cat C280 16 TTA	16	18,062	11.0x11.8	—	224	80	134	62,832	—	—	7,268 @ 1,000	—	6,598 @ 1,000	—
									—	—	6,785 @ 900	—	6,169 @ 900	—
									—	—	7,577 @ 1,000	—	—	—

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MaK 6 M 20 C	6	3,478	7.9x11.8	—	159.4	61.4	107.4	11,500	—	—	—	—	1,390 @ 900	—
				—					—	—	—	—	1,469 @ 900	—
				—					—	—	—	—	1,550 @ 1,000	—
				—					—	—	—	—	1,632 @ 1,000	—
MaK 6 M 25 C	6	7,505	7.9x11.8	—	210.4	88.2	148.5	23,500	—	—	—	—	2,370 @ 720	—
				—					—	—	—	—	2,450 @ 750	—
				—					—	—	—	—	2,856 @ 720	—
				—					—	—	—	—	2,856 @ 750	—
				—					—	—	—	—	2,720 @ 720	—
				—					—	—	—	—	2,720 @ 750	—
MaK 6 M 32 C	6	14,155	12.6x18.9	—	234	93.3	169.8	39,500	—	—	—	—	3,920 @ 600	—
				—					—	—	—	—	4,080 @ 600	—
MaK 6 M 43 C	6	32,398	16.9x24	—	234	93.3	169.8	—	—	—	—	—	7,344 @ 500	—
				—					—	—	—	—	7,344 @ 514	—
				—					—	—	—	—	8,160 @ 500	—
				—					—	—	—	—	8,160 @ 514	—
MaK 7 M 43 C	7	37,828	16.9x24	—	234	93.3	169.8	—	—	—	—	—	8,568 @ 500	—
				—					—	—	—	—	8,568 @ 514	—
				—					—	—	—	—	9,520 @ 500	—
				—					—	—	—	—	9,520 @ 514	—
				—					—	—	—	—	9,996 @ 500	—
				—					—	—	—	—	9,996 @ 514	—
MaK 8 M 20 C	8	4,576	7.9x11.8	—	190.9	66.7	113	14,500	—	—	—	—	1,850 @ 900	—
				—					—	—	—	—	1,958 @ 900	—
				—					—	—	—	—	2,070 @ 1,000	—
				—					—	—	—	—	2,176 @ 1,000	—
MaK 8 M 25 C	8	9,945	10x15.7	—	247.6	90.4	154.2	30,000	—	—	—	—	3,160 @ 720	—
				—					—	—	—	—	3,808 @ 720	—
				—					—	—	—	—	3,808 @ 750	—
				—					—	—	—	—	3,260 @ 750	—
				—					—	—	—	—	3,630 @ 750	—
				—					—	—	—	—	3,630 @ 720	—
MaK 8 M 32 C	8	18,853	12.6x18.9	—	281.5	85.8	172.1	108,027	—	—	—	—	5,220 @ 600	—
				—					—	—	—	—	5,440 @ 600	—
MaK 8 M 43 C	8	43,258	16.9x24	—	281.5	85.8	172.1	251,327	—	—	—	—	9,792 @ 500	—
				—					—	—	—	—	9,792 @ 514	—
				—					—	—	—	—	10,880 @ 500	—
				—					—	—	—	—	10,880 @ 514	—
				—					—	—	—	—	11,424 @ 500	—
				—					—	—	—	—	11,424 @ 514	—
MaK 9 M 20 C	9	—	—	—	—	—	—	15,000	—	—	—	—	2,082 @ 900	—
				—					—	—	—	—	2,203 @ 900	—
				—					—	—	—	—	2,326 @ 1,000	—
				—					—	—	—	—	2,448 @ 1,000	—
MaK 9 M 25 C	9	11,226	10x15.7	—	210.4	90.4	154.2	32,000	—	—	—	—	3,550 @ 720	—
				—					—	—	—	—	3,880 @ 720	—
				—					—	—	—	—	3,670 @ 750	—
				—					—	—	—	—	4,080 @ 720	—
				—					—	—	—	—	4,080 @ 750	—
				—					—	—	—	—	4,284 @ 720	—
				—					—	—	—	—	4,284 @ 750	—
MaK 9 M 32 C	9	21,171	12.6x18.9	—	308.7	85.8	179.8	112,436	—	—	—	—	6,120 @ 600	—
				—					—	—	—	—	5,880 @ 600	—
MaK 9 M 43 C	9	48,627	16.9x24	—	308.7	85.8	179.8	279,987	—	—	—	—	11,016 @ 500	—
				—					—	—	—	—	11,016 @ 514	—
				—					—	—	—	—	12,240 @ 500	—
				—					—	—	—	—	12,240 @ 514	—
				—					—	—	—	—	12,852 @ 500	—
				—					—	—	—	—	12,852 @ 514	—
MaK 12 M 32 C	12	24,715	12.6x18.1	—	—	—	—	143,301	—	—	—	—	7,830 @ 720	—
				—					—	—	—	—	8,160 @ 720	—
				—					—	—	—	—	8,160 @ 750	—
				—					—	—	—	—	8,650 @ 720	—
				—					—	—	—	—	8,650 @ 750	—
				—					—	—	—	—	9,139 @ 720	—
				—					—	—	—	—	9,139 @ 750	—
MaK 12 M 43 C	12	64,857	16.9x24	—	—	—	—	352,740	—	—	—	—	14,688 @ 500	—
				—					—	—	—	—	14,688 @ 514	—
				—					—	—	—	—	16,320 @ 500	—
				—					—	—	—	—	16,320 @ 514	—
				—					—	—	—	—	17,136 @ 500	—
				—					—	—	—	—	17,536 @ 514	—
MaK 16 M 32 C	16	33,008	12.6x16.5	—	339.4	114.8	191.5	180,779	—	—	—	—	10,880 @ 720	—
				—					—	—	—	—	10,880 @ 750	—
				—					—	—	—	—	10,445 @ 720	—
				—					—	—	—	—	11,533 @ 720	—
				—					—	—	—	—	11,533 @ 750	—
				—					—	—	—	—	12,186 @ 720	—
				—					—	—	—	—	12,186 @ 750	—
MaK 16 M 43 C 16		86,455	16.9x24	—	339.4	114.8	191.5	485,017	—	—	—	—	19,584 @ 500	—
				—					—	—	—	—	19,584 @ 514	—
				—					—	—	—	—	21,760 @ 500	—

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
									—	—			21,760 @ 514	
									—	—			22,848 @ 500	
									—	—			22,848 @ 514	

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									—	—			500 @ 1,800
									—	—			530 @ 1,800
									640 @ 1,800	—			—
KTA19-M3*	6	1,150	6.25x6.25	—	74.0	40.0	75.0	4,570	—	—			600 @ 1,800
KTA19-M4	6	1,150	6.25x6.25	—	74.0	40.0	75.0	4,570	700 @ 2,100	—			—
QSK19-M**	6	1,150	6.25x6.26	—	79.0	38.0	74.0	4,825	750 @ 1,800	—			600 @ 1,800
									760 @ 2,100	—			660 @ 1,800
									800 @ 2,100	—			500 @ 1,800
									—	—			750 @ 1,800
									—	—			800 @ 2,100
KTA 38-M	12	2,300	6.25x6.25	—	84.0	58.0	82.0	9,300	—	—			850 @ 1,800
									—	—			1,000 @ 1,800
									—	—			850 @ 1,800
KTA38-MO	12	2,300	6.25x6.25	—	84.0	58.0	82.0	9,300	—	—			750 @ 1,600
									—	—			800 @ 1,800
									—	—			850 @ 1,800
KTA38-M1	12	2,300	6.25x6.25	—	84.0	58.0	82.0	9,300	1,100 @ 1,800	—			900 @ 1,600
									—	—			1,000 @ 1,800
KTA38-M2	12	2,300	6.25x6.25	—	84.0	58.0	82.0	9,300	1,350 @ 1,950	1,400 @ 1,950	(int.)	1,500 @ 2,050	850 @ 1,800
KTA38-M2*	12	2,300	6.25x6.25	—	84	58	82	9,300	1,350 @ 1,900	—			—
KTA50-M2	16	3,067	6.25x6.25	—	106	62	89	11,389	1,600 @ 1,900	1,875 @ 1,950			1,400 @ 1,600*
									1,700 @ 1,800	—			—
									1,800 @ 1,900*	—			—
KTA-M2*	16	3,067	6.25x6.25	—	106	62	89	11,389	1,800 @ 1,900	—			1,600 @ 1,800
QSK38-M1**	12	2,300	6.25x6.25	—	106	62	89	10,692	1,400 @ 1,600	—			1,000 @ 1,800
									1,400 @ 1,800	—			1,300 @ 1,600
									1,400 @ 1,900	—			1,300 @ 1,800
QSK50-M**	16	3,067	6.25x6.25	—	125	65	83	14,584	1,800 @ 1,800*	—			1,600 @ 1,800*
									1,800 @ 1,900*	—			1,700 @ 1,800*
QSK50-M1**	16	3,068	6.25x6.25	—	130	69	95	13,594	1,800 @ 1,600*	—			1,700 @ 1,600**
									1,800 @ 1,800**	—			1,700 @ 1,800*
									1,800 @ 1,900**	—			1,800 @ 1,900
QSK60-M**	16	3,672	6.25x7.48	—	130	69	95	19,300	2,300 @ 1,900*	2,500 @ 1,900**			2,000 @ 1,600**
									—	2,700 @ 1,900*			2,000 @ 1,800*
									—	—			2,200 @ 1,800**
									—	—			2,680 @ 1,900**
									—	—			(Intermittent)
									—	—			2,700 @ 1,900*
									—	—			(Intermittent)
QSB5.9-230	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	230 @ 2,600			—
QSB5.9-305	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	305 @ 2,600			—
QSB5.9-330	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	330 @ 2,600			—
QSB5.9-355	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	355 @ 2,800			355 @ 1,800
QSC8.3-500	6	505	4.49x5.31	—	46.2	33.0	38.8	1,975	—	500 @ 2,600			—
K38-M**	12	2,300	6.25x6.25	—	90.0	62.0	88.0	9,300	—	—			1,000 @ 1,800
QSB6.7-230**	6	408	4.21x4.88	—	43.1	35.8	33.74	1,450	—	—			227 @ 3,000
									—	—			(Intermittent)
QSB6.7-250**	6	408	4.21x4.88	—	43.1	35.8	33.74	1,450	247 @ 3,000	—			—
QSB6.7-305**	6	408	4.21x4.88	—	43.1	35.8	33.74	1,450	301 @ 2,600	—			—
QSB6.7-355**	6	408	4.21x4.88	—	43.1	35.8	33.74	1,450	—	—			349 @ 3,000
									—	—			(Intermittent)
QSB6.7-380	6	408	4.21x4.88	—	43.1	35.3	33.74	1,450	—	—			375 @ 3,000
									—	—			(Intermittent)
QSB6.7-425	6	408	4.21x4.88	—	43.1	35.3	33.74	1,450	—	—			425 @ 3,300
									—	—			(Intermittent)
QSB6.7-480	6	408	4.21x4.88	—	43.1	35.3	33.74	1,450	—	—			475 @ 3,300
									—	—			(Gov. Service)
QSB6.7-550	6	408	4.21x4.88	—	43.1	35.3	33.74	1,450	—	—			542 @ 3,300
									—	—			(Gov. Service)
QSC8.3-500**	6	505	4.49x5.31	—	43.1	35.3	33.74	1,975	—	—			493 @ 3,000
									—	—			(Intermittent)
QSC8.3-600	6	505	4.49x5.31	—	43.1	35.3	33.74	1,975	—	—			592 @ 2,600
									—	—			(Gov. Service)
QSL9 290	6	542	4.49x5.71	—	46.2	33.2	42.8	2,000	326 @ 1,800*	400 @ 2,100*			285 @ 1,800*
QSL 9 335	6	542	4.49x5.71	—	46.2	33.2	42.8	2,000	330 @ 1,800**	—			—
QSL 9 410	6	542	4.49x5.71	—	46.2	33.2	42.8	2,000	—	405 @ 2,100			—
QSM11-300*	6	661	4.92x5.79	—	52.3	43.5	39.9	2,620	—	—			295 @ 1,800*
QSM11-355*	6	661	4.92x5.79	—	52.3	42.5	40.9	2,620	—	—			350 @ 1,800*
QSM11-405*	6	661	4.92x5.79	—	52.3	42.5	40.9	2,610	400 @ 2,100	—			—
QSM 11-455*	6	661	4.92x5.79	—	52.3	42.5	40.9	2,620	—	450 @ 2,100			—
QSM 11-610**	6	661	4.92x5.79	—	52.3	43.5	39.9	2,620	—	—			602 @ 2,300
									—	—			(Intermittent)
QSM 11-670**	6	661	4.92x5.79	—	52.3	43.5	39.9	2,620	—	—			661 @ 2,300
									—	—			(Gov. Service)
QSM 11-715**	6	661	4.92x5.79	—	52.3	43.5	39.9	2,620	—	—			705 @ 2,500
									—	—			(Gov. Service)

PRIME POWER

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
6BT5.9-D(M)	6	359	4.02x4.75	—	40	24	47	940	104 @ 1,500					
									122 @ 1,500					
									121 @ 1,800					
									150 @ 1,800					
QSB7-DM	6	408	4.21x4.88	—	50.5	37.5	39.1	1,561	132 @ 1,800**					
									150 @ 1,800**					
									164 @ 1,500*					
									174 @ 1,800**					
									190 @ 1,800**					
									220 @ 1,500*					
									250 @ 1,800**					
									282 @ 1,800**					
									355 @ 1,500*					
									355 @ 1,800**					
QSM11-DM	6	661	4.92x5.79	—	58	43	41	2,464	355 @ 1,500*					
									355 @ 1,800**					
6CTA8.3M	6	505	4.49x5.32	—	47	28	45	1,505	164 @ 1,500					
6CTA8.3-DM	6	505	4.92x5.79	—	58	43	41	1,545	188 @ 1,800					
									355 @ 1,500*					
									270 @ 1,800					
									252 @ 1,800					
									242 @ 1,800					
									220 @ 1,500					
NT855-DM	6	855	5.50x6.0	—	61	32	53	3,060	219 @ 1,500					
									280 @ 1,500					
									310 @ 1,500					
									325 @ 1,500					
									340 @ 1,800					
									355 @ 1,800					
									395 @ 1,800					
NTA855-DM	6	855	5.50x6.0	—	61	32	53	3,160	450 @ 1,500					
									365 @ 1,800*					
									375 @ 1,500					
									380 @ 1,500*					
									410 @ 1,500					
									420 @ 1,800					
									480 @ 1,800					
KTA19-DM	6	1,150	6.25x6.25	—	74.0	40.0	75.0	4,570	525 @ 1,800					
									450 @ 1,500					
									540 @ 1,500					
									600 @ 1,500					
									620 @ 1,800					
KTA19-DM1*	6	1,150	6.25x6.25	—	74.0	40.0	75.0	4,570	680 @ 1,800					
									480 @ 1,500*					
									550 @ 1,500*					
									570 @ 1,800*					
									650 @ 1,800*					
QSK19-DM**	6	1,150	6.25x6.25	—	79.0	38.0	74.0	4,825	580 @ 1,500*					
									755 @ 1,800**					
VTA28-DM*	12	1,710	5.50x6.0	—	75.0	39.0	65.0	6,395	565 @ 1,500*					
									690 @ 1,800					
									750 @ 1,500*					
									750 @ 1,800					
KTA38-DM	12	2,300	6.25x6.25	—	84	58	82	9,300	815 @ 1,800					
									850 @ 1,500					
									890 @ 1,500					
									1,030 @ 1,800					
									1,080 @ 1,500					
									1,085 @ 1,800					
									1,180 @ 1,500					
									1,220 @ 1,800					
									1,350 @ 1,800					
									1,000 @ 1,500					
KTA38-DM1	12	2,300	6.25x6.25	—	84	58	82	9,300	1,100 @ 1,800					
									1,180 @ 1,500*					
									1,300 @ 1,800*					
									1,400 @ 1,800					
									1,320 @ 1,500					
QSK38-DM*	12	2,300	6.25x6.25	—	106	65	79	10,230	1,320 @ 1,500**					
									1,400 @ 1,800					
QSK38 DM1	12	2,300	6.25x6.25	—	90	62	88	11,973	1,180 @ 1,500					
									1,206 @ 1,500					
									1,340 @ 1,800					
									1,350 @ 1,800					
									1,470 @ 1,500					
KTA50-DM	16	3,067	6.25x6.25	—	106	62	89	11,973	1,635 @ 1,800					
									1,350 @ 1,800					
									1,530 @ 1,800					
									1,470 @ 1,500*					
KTA50-D(M1)	16	3,067	6.25x6.25	—	106	62	89	11,973	1,730 @ 1,800*					
									1,350 @ 1,500					
KTA50-D(M1)*	16	3,067	6.25x6.25	—	106	62	89	11,973	1,470 @ 1,500*					
									1,730 @ 1,800*					
QSK50-DM	16	3,068	6.25x6.25	—	125	65	83	14,584	1,630 @ 1,500*					
									1,800 @ 1,800*					
QSK60-DM	16	3,672	6.25x7.48	—	130	69	95	19,300	2,095 @ 1,500					
									2,547 @ 1,800					

* IMO Tier II Certified ** EPA Tier 3 and IMO Tier II Certified

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MECHANICAL ENGINES

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
4BT3.9	4	239	4.02x4.72	—	30.7	27.7	30.4	932	—	—	150 @ 2,800	—	155 @ 2,800 (Intermittent)	
6BT5.9	6	359	4.02x4.72	—	42.3	28.0	32.0	1,120	—	—	152 @ 2,500	—	—	
6BT5.9	6	359	4.02x4.72	—	42.3	28.0	32.0	1,120	—	—	180 @ 2,800	—	—	
6BT5.9	6	359	4.02x4.72	—	42.3	28.0	32.0	1,120	—	—	—	—	210 @ 2,600 (Intermittent)	
6BT5.9	6	359	4.02x4.72	—	40.5	32.5	33.0	1,140	—	—	—	—	220 @ 2,600 (Intermittent)	
6BTA5.9	6	359	4.02x4.72	—	40.5	32.5	33.0	1,140	—	—	—	—	260 @ 2,600 (Intermittent)	
6BTA5.9	6	359	4.02x4.72	—	41.0	32.2	30.4	1,280	—	—	—	—	270 @ 2,800 (Intermittent)	
6BTA5.9	6	359	4.02x4.72	—	41.0	32.2	30.4	1,280	—	—	—	—	315 @ 2,800 (Intermittent)	
6BTA5.9	6	359	4.02x4.72	—	41.0	32.2	30.4	1,280	—	—	—	—	330 @ 2,800 (Intermittent)	
6CTA8.3	6	505	4.49x5.31	—	45.7	35.8	36.3	1,885	—	—	—	—	430 @ 2,600 (Intermittent)	
6CTA8.3	6	505	4.49x5.31	—	45.7	35.8	36.3	1,885	—	—	—	—	450 @ 2,600 (Intermittent)	
NTA855-M	6	855	5.5x6.0	—	77.8	36.8	62.9	3,150	—	—	—	—	350 @ 1,800	
ELECTRONIC ENGINES														
QSB5.9-230	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	—	230 @ 2,600	—	—	
QSB5.9-305	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	—	305 @ 2,600	—	—	
QSB5.9-330	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	—	330 @ 2,600	—	—	
QSB5.9-355	6	359	4.02x4.72	—	40.8	32.9	34.6	1,350	—	—	355 @ 2,800	—	355 @ 1,800	
QSC8.3-500	6	505	4.49x5.31	—	46.2	33.0	38.8	1,975	—	—	—	—	500 @ 2,600 (Intermittent)	
QSM11-300	6	661	4.92x5.79	—	52.3	42.5	40.9	2,610	—	—	—	—	300 @ 1,800	
QSM11-355	6	661	4.92x5.79	—	52.3	42.5	40.9	2,610	—	—	—	—	355 @ 1,800	
QSM11-405	6	661	4.92x5.79	—	52.3	42.5	40.9	2,610	—	—	405 @ 2,100	—	—	
QSM11-455	6	661	4.92x5.79	—	52.3	42.5	40.9	2,610	—	—	455 @ 2,100	—	—	
QSM11-610	6	661	4.92x5.79	—	52.3	43.5	39.9	2,620	—	—	610 @ 2,300	—	—	

* IMO Tier II Certified. **EPA Tier 3 and IMO Tier II Certified.

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4045DFM70	4	276	4.20x5.00	w/o	29.8	26.6	35.4	963	—	—	80 @ 2,500	—	—
4045TFM75	4	276	4.20x5.00	w/o	29.4	32.6	34.7	1,019	135 @ 2,600	—	121 @ 2,500	—	107 @ 2,400
4045AFM85	4	276	4.21x5.00	w/o	29.6	30.3	38	1,274	225 @ 2,600	—	200 @ 2,500	—	160 @ 2,300
4045TFM85	4	276	4.19x5.00	w/o	28.1	30.3	35.9	1,117	—	—	125 @ 2,500	—	100 @ 2,400
6068SFM50	6	414	4.19x5.00	w/o	41.3	34.4	34.7	1,710	300 @ 2,600	—	236 @ 2,600	—	—
6068SFM75	6	414	4.20x5.00	w/o	40.7	35.7	35.9	1,682	400 @ 2,800	—	321 @ 2,600	—	249 @ 2,400
6068AFM75	6	414	4.19x5.00	w/o	40.7	33.6	35.9	1,732	330 @ 2,600	—	300 @ 2,500	—	230 @ 2,300
6068AFM85	6	414	4.21x5.00	w/o	40.7	33.6	35.9	1,732	330 @ 2,600	—	300 @ 2,500	—	230 @ 2,300
6068TFM50	6	414	4.19x5.00	w/o	39.5	32.6	34.7	1,609	225 @ 2,600	—	200 @ 2,500	—	154 @ 2,300
6068TFM75	6	414	4.20x5.00	w/o	39.5	32.6	34.7	1,609	201 @ 2,600	—	178 @ 2,500	—	158 @ 2,400
6068SFM85	6	414	4.17x5.00	w/o	40.7	35.7	35.9	1,682	400 @ 2,800	—	321 @ 2,600	—	249 @ 2,400
6090AFM75	6	548	4.60x5.40	w/o	51.1	36.9	37.5	2,229	425 @ 2,400	—	375 @ 2,300	—	285 @ 2,100
6090SFM75	6	548	4.66x5.35	w/o	50.9	38.4	38.7	2,350	550 @ 2,500	—	425 @ 2,300	—	325 @ 2,100
6090AFM85	6	548	4.65x5.35	w/o	51.1	36.9	37.5	2,229	425 @ 2,400	—	375 @ 2,300	—	285 @ 2,100
6090SFM85	6	548	4.65x5.35	w/o	50.9	38.4	38.7	2,350	550 @ 2,500	—	425 @ 2,300	—	325 @ 2,100
6135AFM85	6	824	5.20x6.50	w/o	51.8	42.3	45.9	3,300	575 @ 2,100	—	500 @ 2,000	—	365 @ 1,800
6135SFM85	6	824	5.20x6.50	w/o	52.6	38.4	45	3,363	750 @ 2,200	—	575 @ 2,000	—	425 @ 1,800

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BF4M1013M	4L	290.47	4.2x5.1	—	44.3	22.2	46.7	1,102	—	—	127 @ 2,300	—	97 @ 1,900
BF4M1013MC	4L	290.47	4.2x5.1	—	44.3	22.2	46.7	1,213	—	—	158 @ 2,300	—	109 @ 2,300
											—	—	119 @ 1,900
											—	—	137 @ 2,300
											—	—	145 @ 1,900
BF6M1013M	6L	436.32	4.2x5.1	—	55.4	33.5	47.1	1,433	—	—	173 @ 2,300	—	165 @ 2,300
BF6M1013MC	6L	436.32	4.2x5.1	—	55.4	33.5	47.1	1,543	—	—	233 @ 2,300	—	174 @ 1,900
											—	—	198 @ 2,300
											—	—	189 @ 1,800
BF6M1013MCP	6L	436.32	4.2x5.1	—	55.4	33.5	47.1	1,543	—	—	261 @ 2,300	—	223 @ 2,300
BF6M1015M	6V	726.79	5.2x5.7	—	54.3	51.8	45.6	2,381	—	—	—	—	272 @ 1,800
											—	—	287 @ 2,100
BF6M1015MC	6V	726.79	5.2x5.7	—	58.3	51.8	44.8	2,602	—	—	322 @ 2,100	—	332 @ 1,800
											—	—	350 @ 2,100
											402 @ 2,100	—	365 @ 1,800
											—	—	385 @ 2,100
BF8M1015MC	8V	968.45	5.2x5.7	—	64.9	52.5	41.6	3,043	—	—	450 @ 2,100	—	442 @ 1,800
											—	—	466 @ 2,100
											—	—	488 @ 1,800
											600 @ 2,100	—	513 @ 2,100
TCD 2015M V6	6V	726.18	5.2x5.7	—	59.5	51.8	44.9	2,909	—	—	476 @ 1,800	—	428 @ 1,800
											—	—	445 @ 1,900
											489 @ 1,900	—	445 @ 2,100

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
TCD 2015M V8	8V	970.27	5.2x5.7	—	67.1	52.4	44.9	3,394	—	—	666 @ 1,800	—	598 @ 1,800	—
											680 @ 1,900	—	612 @ 1,900	—
											680 @ 2,100	—	612 @ 2,100	—

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8 E 23	8	710	9-1/16x11	—	115	75	102	28,700	—	2,200 @ 900	2,000 @ 900
8 E 23*	8	710	9-1/16x11	—	115	75	102	28,700	—	2,500 @ 900	2,500 @ 900
12 E 23	12	710	9-1/16x11	—	150	75	108	39,000	—	3,300 @ 900	3,000 @ 900
16 E 23	16	710	9-1/16x11	—	188	75	108	46,000	—	4,400 @ 900	4,000 @ 900
20 E 23	20	710	9-1/16x11	—	222	75	117	52,800	—	5,500 @ 900	5,000 @ 900

* Special Marine Rating — see EMD for details.

FAIRBANKS MORSE ENGINE

Ph: 608-364-8054

701 White Ave. • Beloit, WI 53511

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FM-MAN L27/28	9	—	10.6x15.0	—	252	82	143	90,388	—	—	4,100 @ 900
Opposed Piston 38D 8 1/8	12	—	8.1x10.0	—	365	130	130	85,979	—	—	4,416 @ 900
FM/ALCO 251 F	18	—	9.0x10.5	—	412	106	137	94,797	—	—	4,008 @ 1,100
Colt-Pielstick PA6B	20	—	11.0x13.0	—	443	78	142	171,958	—	—	9,380 @ 900
FM-MAN L, V 32/40	18	—	12.6x15.7	—	337	147	167	189,595	—	—	11,592 @ 750
FM-MAN L 40/54	9	—	15.7x21.3	—	394	111	172	213,846	—	—	8,694 @ 550
Colt-Pielstick PA6B STC	20	—	11.0x13.0	—	315	104	135	90,388	—	—	10,860 @ 1,050
FM-MAN 28/33D Plus	20	—	11.0x13.8	—	265	76	133	108,245	—	—	13,420 @ 1,000
Colt-Pielstick PC2.5 STC	18	—	15.7x18.1	—	357	149	148	200,618	—	—	11,700 @ 520
FM-MAN L, V 48/60B	18	—	18.9x23.6	—	507	217	195	582,014	—	—	24,120 @ 500
Colt-Pielstick PC2.6B	20	—	15.7x19.7	—	466	157	188	308,644	—	—	20,100 @ 600
FM-MAN L 58/64	9	—	22.8x25.2	—	496	139	202	478,398	—	—	16,776 @ 428
Colt-Pielstick PC4 2B	18	—	22.4x26.0	—	413	224	252	727,518	—	—	31,986 @ 430

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MOTOR-SERVICES HUGO STAMP INC.

Ph: 954-763-3660 • Fax: 954-713-0435

3190 SW 4th Ave. • Fort Lauderdale, FL 33315

www.mshs.com • E-mail: torsten.schmitt@mshs.com

N67 570 (NEF 570)	6	6.7	4.09x5.19	—	42.9	30.7	31.8	1,433	570 @ 3,000	—	—
									—	450 @ 3,000	—
									—	500 @ 3,000	—
C87 620 (C 620)	6	8.7	4.61x5.31	—	50.6	30.7	37.8	2,072	620 @ 2,530	—	—
									—	550 @ 2,530	—
									—	500 @ 2,530	—
									—	450 @ 2,530	—
C87 650 (C 650)	6	8.7	4.61x5.31	—	50.6	30.7	37.8	2,072	650 @ 2,530	—	—
C87 380 (C 380)	6	8.7	4.53x4.92	—	61.2	37.0	37.1	2,072	—	—	410 @ 2,000
									—	—	380 @ 2,000
									—	450 @ 2,530	—
C13 500 (C 500)	6	12.9	5.31x5.91	—	71.4	40.1	41.6	2,965	—	—	500 @ 2,000
									—	—	520 @ 2,000
C13 825 (C 825)	6	12.9	5.31x5.91	—	73.5	41.7	43.9	3,086	825 @ 2,400	—	—
									750 @ 2,400	—	—
									650 @ 2,400	—	—
									600 @ 2,400	—	—

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HPE 110	4	76.16	2.7x3.2	—	22.0	18.1	26.1	392	110 @ 4,000	—	—
									110 @ 4,400	—	—
HPE 110	4	76.16	2.7x3.2	—	—	—	—	—	110 @ 4,000	—	—
									110 @ 4,400	—	—
HPE 135	4L	—	—	—	—	—	—	391	135 @ 4,000	—	100 @ 4,000

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
									135 @ 4,400	—		80 @ 4,000	60 @ 4,000	
HPE 135	4	76.16	2.7x3.2	—	—	—	—	—	—	—	—	—	—	
HPE 205	4	119.36	3.3x3.6	—	29.7	27.2	27.4	639	200 @ 4,100	—	170 @ 4,100	—	—	
									—	—	140 @ 4100	—	—	
HPEP 205	4	119.36	3.3x3.6	—	—	—	—	—	225 @ 4,000	—	—	—	—	
HPE 225	4	145.66	3.2x3.6	—	35	29	30.1	639	225 @ 4,000	—	—	—	—	
HPEP 225	4	145.66	3.2x3.6	—	61.3	22.5	37.5	639	225 @ 4,000	—	—	—	—	
HPE 250	5	119.36	3.3x3.6	—	35.0	29.0	30.1	639	250 @ 4,200	—	225 @ 4,200	—	—	
HPEP 250	5	145.66	3.2x3.6	—	—	—	—	—	250 @ 4,000	—	150 @ 4,200	—	—	
HPE 300	4L	183.3	—	—	—	—	—	705	295 @ 4,000	—	—	130 @ 4,000	—	
									—	—	—	180 @ 4,000	—	
									—	—	—	130 @ 4,000	—	
HPEP 300	4	182.84	3.8x4.1	—	—	—	—	—	295 @ 4,000	—	—	—	—	
HPE 300	4	182.84	3.8x4.1	—	—	—	—	—	—	—	—	—	—	

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8V228	8	5,344	9.0x10.5	—	156.0	80.0	109.0	30,135	2,250 @ 1050	—	—	2,045 @ 1,050	—
									2,143 @ 1,000	—	—	1,948 @ 1,000	—
									1,928 @ 900	—	—	1,753 @ 900	—
12V228	12	8,016	9.0x10.5	—	185.0	84.0	109.0	41,760	3,375 @ 1,050	—	—	3,070 @ 1,050	—
									3,214 @ 1,000	—	—	2,922 @ 1,000	—
									2,893 @ 900	—	—	2,630 @ 900	—
16V228	16	10,688	9.0x10.5	—	219.0	87.0	118.0	48,585	4,510 @ 1,050	—	—	4,100 @ 1,050	—
									4,286 @ 1,000	—	—	3,896 @ 1,000	—
									3,857 @ 900	—	—	3,506 @ 900	—
12V250	12	11,404	9.8x12.6	—	189.0	97.0	126.0	51,600	4,021 @ 900	—	—	3,655 @ 900	—
									4,466 @ 1,000	—	—	4,060 @ 1,000	—
									4,692 @ 1,050	—	—	4,265 @ 1,050	—
(EPA Tier 4i/ IMO Tier III)	12	11,404	9.8x12.6	—	208.0	106.0	143.0	56,317	4,224 @ 900	—	—	—	—
16V250	16	15,207	9.8x12.6	—	224.0	97.0	129.0	68,000	4,694 @ 1,000	—	—	—	—
									5,357 @ 900	—	—	4,870 @ 900	—
									5,957 @ 1,000	—	—	5,415 @ 1,000	—
									6,254 @ 1,050	—	—	5,685 @ 1,050	—
(EPA Tier 4i/ IMO Tier III)	16	15,207	9.8x12.6	—	247.0	106.0	147.0	70,195	5,632 @ 900	—	—	—	—
6L250MDA	6	5,702	9.8x12.6	—	202.0	77.0	116.0	38,182	6,249 @ 1,000	—	—	—	—
									2,210 @ 900	—	—	2,009 @ 900	—
									2,455 @ 1,000	—	—	2,232 @ 1,000	—
									2,578 @ 1,050	—	—	2,344 @ 1,050	—
(EPA Tier 3)	6	5,702	9.8x12.6	—	185.0	79.0	111.0	43,876	2,280 @ 900	—	—	—	—
									2,548 @ 1,000	—	—	—	—
8L250MDC	8	7,603	9.8x12.6	—	235.0	80.0	132.0	45,980	2,947 @ 900	—	—	2,679 @ 900	—
									3,274 @ 1,000	—	—	2,976 @ 1,000	—
									3,438 @ 1,050	—	—	3,125 @ 1,050	—
(EPA Tier 3)	8	7,603	9.8x12.6	—	219.0	77.0	115.0	46,885	2,679 @ 900	—	—	—	—
(EPA Tier 4/ IMO Tier III)	8	7,603	9.8x12.6	—	219.0	79.0	111.0	51,491	3,017 @ 900	—	—	—	—
									3,353 @ 1,000	—	—	—	—

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46401 Commerce Center Dr. • Plymouth, MI 48170
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UM6HK1WMAB2	6	476	4.52x4.92	w/o	56.89	38.93	23.25	1,676	—	—	—	300 @ 2,400	—
UM6HK1WMAB3	6	476	4.52x4.92	w/o	56.89	38.93	23.25	1,676	—	—	350 @ 2,500	—	—
UM6WG1TCAA1	6	958	5.79x6.06	w/o	74.68	35.5	52.91	3,219	—	—	—	505 @ 1,800	—
UM6WG1TCAA2	6	958	5.79x6.06	w/o	74.68	35.5	52.91	3,220	—	—	650 @ 2,100	—	—
UM6WG1WMAB1	6	958	5.79x6.06	w/o	74.68	35.5	52.91	3,220	—	—	—	505 @ 1,800	—
UM6WG1WMAB2	6	958	5.79x6.06	w/o	74.68	35.5	52.91	3,220	—	—	600 @ 2,000	—	—
UM6WG1WMAB3	6	958	5.79x6.06	w/o	74.68	35.5	52.91	3,220	—	—	671 @ 2,100	—	—

EXPORT MODELS

UM4BG1TCX	4	262	3.94x4.13	w/o	50.51	23.85	37.04	1,160	—	—	200 @ 2,800	—	—
UM6BG1TCX	6	305	4.13x4.92	w/o	52.87	24.78	38.11	1,521	—	—	282 @ 2,700	—	—
UM6HE1TCX	6	439	4.33x4.92	w/o	56.89	26.9	41.10	1,598	—	—	344 @ 2,800	—	—
UM6SD1TCX	6	579	4.63x5.71	w/o	59.75	30.31	46.81	2,283	—	—	374 @ 2,300	—	—

• None of the above engines are EPA Tier 3 rated; therefore they are for sale outside of the U.S.

MAN ENGINES & COMPONENTS INC.

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591 S.W. 13th Terrace • Pompano Beach, FL 33069-3520
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D2866LXE40	6	—	—	—	—	—	—	2,249	—	—	—	258 @ 1,800	—
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Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
													379 @ 1,800	
D2876LE402	6	—	—	—	—	—	2,844	—	—	400 @ 2,100	—	—	—	
D2876LE403	6	—	—	—	—	—	2,557	—	—	560 @ 2,100	—	—	—	
D2876LE406	6	—	—	—	—	—	2,557	—	—	—	—	—	450 @ 1,800	
D2876LE407	6	—	—	—	—	—	2,557	—	—	—	—	—	381 @ 1,800	
R6-730	6	—	—	—	—	—	2,877	730 @ 2,300	—	—	—	—	490 @ 1,800	
R6-800	6	—	—	—	—	—	2,877	800 @ 2,300	—	—	—	—	—	
V8-900	8	—	—	—	—	—	3,450	900 @ 2,300	—	—	—	—	—	
V8-1000	8	—	—	—	—	—	3,924	1,000 @ 2,300	—	—	—	—	—	
V8-1200	8	—	—	—	—	—	4,134	1,200 @ 2,300	—	—	—	—	—	
D2842LE405	12	—	—	—	—	—	3,946	—	—	—	—	—	900 @ 2,100	
D2842LE410	12	—	—	—	—	—	4,101	—	—	1,019 @ 2,100	—	—	—	
D2842LE412	12	—	—	—	—	—	3,946	—	—	—	—	—	800 @ 1,800	
D2842LE419	12	—	—	—	—	—	3,946	—	—	—	—	—	598 @ 1,800	
D2868LE424	8	—	—	—	—	—	3,968	—	—	—	—	—	600 @ 1,800	
D2862LE424	12	—	—	—	—	—	5,004	—	—	—	—	—	900 @ 1,800	
D2862LE434	12	—	—	—	—	—	5,004	—	—	—	—	—	749 @ 1,800	
D2848LE422	8	—	—	—	—	—	3,450	—	—	750 @ 2,100	—	—	—	
D2868LE425	8	—	—	—	—	—	3,968	—	—	800 @ 2,100	—	—	—	
D2862LE425	12	—	—	—	—	—	5,004	—	—	1,019 @ 2,100	—	—	—	
D2862LE435	12	—	—	—	—	—	5,004	—	—	1,200 @ 2,100	—	—	—	
D2862LE466	12	—	—	—	—	—	5,004	—	—	1,400 @ 2,100	—	—	—	
V12-1360	12	—	—	—	—	—	4,134	1,360 @ 2,300	—	—	—	—	—	
V12-1400	12	—	—	—	—	—	5,004	1,400 @ 2,300	—	—	—	—	—	
V12-1550	12	—	—	—	—	—	5,004	1,550 @ 2,300	—	—	—	—	—	
V12-1800	12	—	—	—	—	—	5,214	1,800 @ 2,300	—	—	—	—	—	

* All engines listed are high-speed, turbocharged and intercooled. * All Continuous (Light Duty) engines are electronically controlled. All others are mechanical.
 * All Medium and High Output (Heavy Duty) engines are available outside the U.S. only.

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S6A3-Y2MPTK	6	1,133	5.91x6.88	—	64.4	36	54	4,190	—	—	—	—	483 @ 1,840
S6A3-Y3MPTK**	6	1,133	5.91x6.89	—	64	41	60	4,100	—	—	—	—	543 @ 1,840
S6B3-Y2MPTA	6	891	5.31x6.69	—	60.59	37	52.36	2,889	—	—	—	—	429 @ 2,000
S6-Y3MPTAW**	6	891	5.31x6.69	—	60.6	40	52.4	2,889	—	—	—	—	429 @ 2,000
S6R-Y1MPTA	6	1,496	6.69x7.09	—	71	44	63.5	6,130	764 @ 1,800	650 @ 1,650	—	—	590 @ 1,600
S6R-Y1MPTK	6	1,496	6.69x7.09	—	71	44	63.5	6,240	811 @ 1,800	697 @ 1,650	—	—	630 @ 1,600
S6R2-Y1MPTA	6	1,828	6.69x8.66	—	71.3	44	66.7	6,417	757 @ 1,500	657 @ 1,400	—	—	597 @ 1,350
S6R2-Y1MPTK	6	1,828	6.69x8.67	—	71.3	44	66.8	6,527	818 @ 1,500	710 @ 1,400	—	—	643 @ 1,350
S6R2-Y3MPTAW**	6	1,828	6.69x8.66	—	70.03	44.40	63.26	6,527	—	—	—	—	803 @ 1,400
S6R-Y2MPTK	6	1,828	6.69x7.09	—	71.3	44	66.7	6,527	—	—	—	—	630 @ 1,600
S6R-Y3MPTAW**	6	1,496	6.69x7.09	—	70.03	44.4	63.2	6,240	—	—	—	—	630 @ 1,600
S12A2-Y1MPTA	12	2,071	5.91x6.30	—	78.8	56.7	63.7	7,453	1,040 @ 2,100	940 @ 2,000	—	—	850 @ 1,940
S12A2-Y1MPTK	12	2,071	5.91x6.30	—	90	56.5	63.7	8,203	1,150 @ 2,100	1,040 @ 2,000	—	—	940 @ 1,940
S12A2-Y2MPTK	12	2,071	5.91x6.30	—	90	56.5	63.7	8,203	—	—	—	—	940 @ 1,940
S12R-Y1MPTA	12	2,992	6.69x7.09	—	93.5	59.5	68.6	11,532	1,528 @ 1,800	1,300 @ 1,650	—	—	1,180 @ 1,600
S12R-Y1MPTK	12	2,992	6.69x7.09	—	93.5	59.5	68.6	11,731	1,622 @ 1,800	1,394 @ 1,650	—	—	1,260 @ 1,600
S12R-Y2MPTK	12	2,992	6.69x7.09	—	93.5	59.5	68.6	11,731	—	—	—	—	1,260 @ 1,600
S12R-Y3MPTAW**	12	2,992	6.69x7.09	—	116	56.5	80	11,731	—	—	—	—	1,100 @ 1,600
S12R-Y3MPTAW**	12	2,992	6.69x7.08	—	116	116	80	11,731	—	—	—	—	1,260 @ 1,600
S16R-Y1MPTA	16	3,989	6.69x7.09	—	115	59	77	14,685	2,038 @ 1,800	1,729 @ 1,650	—	—	1,568 @ 1,600
S16R-Y1MPTK	16	3,989	6.69x7.09	—	115	59	77	14,950	2,158 @ 1,800	1,850 @ 1,650	—	—	1,676 @ 1,600
S16R-Y3MPTAW**	16	3,989	6.69x7.09	—	115.9	59.8	27.17	14,950	—	—	—	—	1,675 @ 1,600

* Engines listed under HIGH OUTPUT are actually LIGHT DUTY.

** Tier 3 Marine Engines.

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6M26.3	6L	—	—	—	—	—	—	3,935	—	—	—	—	600 @ 1,800
													700 @ 2,000
													750 @ 2,100
													815 @ 2,100
12M26.3	12V	—	—	—	—	—	—	7,088	—	—	—	—	600 @ 1,800
													700 @ 2,000
													750 @ 2,100
													815 @ 2,100
C87 620 (C 620)	6	8.7	4.61x5.31	—	50.6	30.7	37.8	2,072	620 @ 2,530	550 @ 2,530	—	—	—
										500 @ 2,530	—	—	—
										450 @ 2,530	—	—	—
C87 650 (C 650)	6	8.7	4.61x5.31	—	50.6	30.7	37.8	2,072	650 @ 2,530	—	—	—	—
C87 380 (C 380)	6	8.7	4.53x4.92	—	61.2	37.0	37.1	2,072	—	—	—	—	410 @ 2,000
										—	—	—	380 @ 2,000
										450 @ 2,530	—	—	—
C13 500 (C 500)	6	12.9	5.31x5.91	—	71.4	40.1	41.6	2,965	—	—	—	—	500 @ 2,000
										—	—	—	520 @ 2,000
C13 825 (C 825)	6	12.9	5.31x5.91	—	73.5	41.7	43.9	3,086	825 @ 2,400	—	—	—	—
									750 @ 2,400	—	—	—	—
									650 @ 2,400	—	—	—	—
									600 @ 2,400	—	—	—	—

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm

MTU

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									Intermittent Maximum	Intermittent	Continuous
Series 60**	6	855	5.24x6.61	—	72.4	40.7	46.0	3,525	—	—	350 @ 1,800 375 @ 1,800 400 @ 1,800 425 @ 1,800 450 @ 1,800 475 @ 1,800
S60**	6	855	5.24x6.61	—	72.25	41.1	46.0	3,525	475 @ 2,100 500 @ 1,800 535 @ 2,100	—	—
S60**	6	—	—	—	80.0	39.0	45.0	3,600	600 @ 2,100 625 @ 2,300 740 @ 2,300 800 @ 2,300 825 @ 2,300	—	—
Series 2000**	8	973	5.1x5.9	—	55.0	45.0	47.0	—	—	—	535 @ 1,800
8V2000M61	8	1,093	5.3x6.1	—	53.9	44.5	47.2	4,365	—	965 @ 2,250	—
8V2000 M72	8	1,093	5.3x6.1	—	53.9	44.5	47.2	4,365	1,360 @ 2,450	—	—
8V2000 M84	8	1,093	5.3x6.1	—	53.9	44.5	47.2	4,365	1,360 @ 2,450	—	—
10V2000 M84	10	1,361	5.3x6.1	—	63.0	44.5	48.7	4,938	—	—	—
10V2000 M72	10	1,361	5.3x6.1	—	63.0	44.5	48.7	4,938	—	1,205 @ 2,250	—
12V2000 M61	12	1,458	5.1x5.9	—	74.4	56.1	50.8	5,985	—	—	805 @ 1,800
12V2000 M72	12	1,361	5.3x6.1	—	74.8	50.9	54.2	6,195	—	1,450 @ 2,250	—
12V2000 M84	12	1,361	5.3x6.1	—	74.8	50.9	54.2	6,195	1,635 @ 2,450	—	—
16V2000 M61	16	1,944	5.1x5.9	—	88.8	55.0	50.8	7,121	—	—	1,070 @ 1,800
16V2000 M70	16	1,944	5.1x5.9	—	88.8	55.0	50.8	7,121	1,800 @ 2,300	1,410 @ 2,100	—
16V2000 M72	16	2,179	5.3x6.1	—	91.1	50.9	55.0	7,452	—	1,930 @ 2,250	—
16V2000 M84	16	2,179	5.3x6.1	—	91.1	50.9	55.0	7,452	2,180 @ 2,450	—	—
Series 4000	8	2,331	6.7x8.3	—	80.3	63.6	81.1	12,522	—	—	1,000 @ 1,600
8V4000 M54	8	2,331	6.7x8.3	—	80.3	63.6	81.1	12,522	—	—	1,200 @ 1,800
8V4000 M245 (3a 60Hz)	8	2,331	6.7x8.3	—	80.3	63.6	86.4	12,522	—	—	895 (kW) @ 1,800
12V4000 M54	12	3,491	6.7x8.3	—	99.2	72.8	81.7	17,086	—	—	1,600 @ 1,800
12V4000 M64	12	3,491	6.7x8.3	—	99.2	72.8	81.7	17,086	—	—	1,875 @ 1,800
12V4000 245 (3A 60Hz)	12	3,491	6.7x8.3	—	99.2	72.8	86.0	17,086	—	—	1,195 (kW) @ 1,800
12V4000 345 (38 60Hz)	12	3,491	6.7x8.3	—	99.2	72.8	86.0	17,086	—	—	1,399 (kW) @ 1,800
Series 4000***	16	4,656	6.7x8.3	—	117.7	72.8	81.5	19,489	—	—	2,260 @ 1,800
16V4000 M54	16	4,656	6.7x8.3	—	117.7	72.8	81.5	19,489	—	—	2,680 @ 1,800
16V4000 M64	16	4,656	6.7x8.3	—	117.7	72.8	85.8	19,489	—	—	1,685 (kW) @ 1,800
16V4000 245 (3A 60 Hz)	16	4,656	6.7x8.3	—	117.7	72.8	85.8	19,489	—	—	1,999 (kW) @ 1,800
16V4000 345 (38 60Hz)	16	4,656	6.7x8.3	—	117.7	72.8	85.8	19,489	—	—	1,999 (kW) @ 1,800

** Available as EPA Tier 2 and IMO Tier II only

*** Available as EPA Tier 3 and IMO Tier II

Series 4000 ratings — please consult your selling distributor for additional ratings and EPA Tier 4-certified engines not listed above. Dimensions listed here should NOT be used for installation purposes. Consult installation drawings.

All weights listed are dry.

Rating Conditions:

Series 60: j1128, all other series: ISO 8665

Rating Definitions:

• Continuous 1A (All Series): Engines for vessels with unrestricted continuous operation. Average load factor: 70%-90%. Typical operating time: unrestricted.

Typical applications: workboats, ferries, government vessels, tugs, barges and large sailing yachts.

• Intermittent-Maximum (Series 60): Engines for fast vessels with midrange load factors. Average load factor <60%. Typical operation time 3,000 hrs/yr.

Typical applications: government vessels, season fishing vessels.

• Marine Auxiliary Continuous Power 3A: For onboard power generation and diesel electric drives in unrestricted continuous operation.

• Marine Auxiliary Prime Power 3B: For onboard power generation and diesel electric drives in continuous operation with variable load.

• Application Rating Definitions are approximate and consistent for comparative purposes only.

* All engines listed above are either EPA Tier 2 or EPA Tier 3 compliant.

* See dealer for IMO compliance and other ratings.

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DI13 80M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	—	250 @ 1,800 220 @ 1,800 300 @ 1,800 339 @ 1,800 350 @ 1,800 400 @ 1,800
DI13 81M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	—	220 @ 1,800 450 @ 1,800 500 @ 1,800
DI13 82M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	450 @ 2,100 500 @ 2,100	—
DI13 83M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	550 @ 2,100 600 @ 2,100	—
DI13 85M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	650 @ 2,300	—	—

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w); (w/o)	Dimensions (in.)			Weight (lbs.)	High Output		Medium Duty		Continuous Duty	
					L	W	H		hp	rpm	hp	rpm	hp	rpm
DI13 86M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	600 @ 2,300	—	—	—	—	
DI13 70M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	675 @ 2,300	—	—	450 @ 1,800	—	
DI13 71M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	—	—	400 @ 1,800	—	
DI13 72M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	650 @ 2,300	—	600 @ 2,300	—	—	
DI13 73M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	—	450 @ 2,100	—	—	
DI13 77M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	700 @ 2,300	—	550 @ 2,100	—	—	
DI13 78M	6	—	5.1x6.3	—	59.1	38.2	46.2	2,624	—	—	450 @ 2,100	—	—	
DI16 72M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	800 @ 2,300	—	650 @ 2,100	—	—	
DI16 70M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	850 @ 2,300	—	700 @ 2,100	—	—	
DI16 71M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	900 @ 2,300	—	750 @ 2,100	—	—	
DI16 77M*	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	—	—	800 @ 2,100	—	—	
DI16 80M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	*1,000 @ 2,300	—	—	550 @ 1,800	—	
DI16 81M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	—	—	650 @ 2,100	—	—	
DI16 82M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	—	—	700 @ 2,100	—	—	
DI16 83M	8	—	5.1x6.06	—	61.1	49.2	47.8	3,682	800 @ 2,300	—	800 @ 2,100	—	—	
DI16 77M	16	3,682	5.1x6.06	—	61.1	49.2	47.8	3,682	850 @ 2,300	—	—	—	—	
									900 @ 2,300	—	—	—	—	
									1,000 @ 2,300	—	—	—	—	

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SE164E40	4	2.1L	—	—	—	—	—	569	160 @ 4,000	—	—	—	—
SE126E25	6	3.2L	—	—	—	—	—	750	120 @ 2,500	—	—	—	—
SE156E26	6	3.2L	—	—	—	—	—	750	150 @ 2,600	—	—	—	—
SE196E35	6	3.2L	—	—	—	—	—	750	190 @ 3,500	—	—	—	—
SE236E40	6	3.2L	—	—	—	—	—	750	231 @ 4,000	—	—	—	—
SE236S36	6	3.2L	—	—	—	—	—	750	231 @ 3,600	—	—	—	—
SE266E40	6	3.2L	—	—	—	—	—	750	258 @ 4,000	—	—	—	—
SE266S36	6	3.2L	—	—	—	—	—	750	258 @ 3,600	—	—	—	—
SE286E40	6	3.2L	—	—	—	—	—	750	279 @ 4,000	—	—	—	—
SE306J38*	6	3.2L	—	—	—	—	—	750	292 @ 3,800	—	—	—	—

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D3-150 SOLAS	5	146	3.19x3.67	—	32.9	28.2	29.6	573	150 @ 3,000	Tier 3	—	—
D3-170 SOLAS	5	146	3.19x3.67	—	32.9	28.2	29.6	573	170 @ 4,000	Tier 3	—	—
D3-200 SOLAS	5	146	3.19x3.67	—	32.9	28.2	29.6	573	200 @ 4,000	Tier 3	—	—
D3-220 SOLAS	5	146	3.19x3.67	—	32.9	28.2	29.6	573	220 @ 4,000	Tier 3	—	—
D4-225/DP	4	226	4.05x4.33	—	30.9	29.6	30.7	1,420	225 @ 3,500	Tier 3	—	—
D4-180	4	226	4.05x4.33	w	30.9	29.6	30.7	1,204	—	180 @ 2,800	Tier 3	—
D4-180/DP	4	226	4.05x4.33	—	30.9	29.6	30.7	1,420	—	180 @ 2,800	Tier 3	—
D6-300/DP	6	336	4.05x4.33	—	40.1	32.2	30.7	1,653	300 @ 3,500	Tier 3	—	—
D6-330/DP	6	336	4.05x4.33	—	40.1	32.2	30.7	1,653	330 @ 3,500	Tier 3	—	—
D4-225	4	226	4.05x4.33	w	30.9	29.6	30.7	1,204	225 @ 3,500	Tier 3	—	—
D6-330	6	336	4.05x4.33	—	40.1	32.2	30.7	1,446	330 @ 3,500	Tier 3	—	—
D9 MH	6	571	4.72x5.43	—	53.7	38.8	44.6	2,535	—	Tier 2	300 @ 1,800	—
											355 @ 1,800	—
											355 @ 2,200	—
D9 MH	6	571	4.72x5.43	—	53.7	33.8	44.6	2,370	—	425 @ 2,200	Tier 2	—
D9-425	6	571	4.72x5.43	—	51.5	33.8	39.7	2,370	425 @ 2,200	Tier 2	—	—
D9-500	6	571	4.72x5.43	—	51.5	33.8	39.7	2,370	500 @ 2,600	Tier 2	—	—
D11-610	6	660	4.84x5.98	—	51.5	37.1	40.5	2,524	—	510 @ 2,250	Tier 3	—
D11-625	6	660	4.84x5.98	—	51.5	37.1	40.5	2,524	625 @ 2,400	Tier 3	—	—
D6-370 SOLAS	6	336	4.06x4.33	—	50.8	32.2	30.7	1,279	370 @ 3,500	Tier 3	—	—
D6-370/DP SOLAS	6	336	4.06x4.33	—	50.8	32.2	30.7	1,698	370 @ 3,500	Tier 3	—	—

Model	Cyl.	Displacement (cu. in.)	Bore x Stroke (in.)	Gear (w; /w/o)	Dimensions (in.)			Weight (lbs.)	High Output hp rpm	Medium Duty		Continuous Duty	
					L	W	H			hp	rpm	hp	rpm
D6-300	6	336	4.06x4.33	w	40.1	32.2	30.7	1,446	300 @ 3,500	Tier 3		—	
D16 MH	6	984	5.67x6.50	—	60.9	44.0	51.3	3,858	Tier 3	750 @ 1,900	600 @ 1,800 650 @ 1,800		
D4-225/DP SOLAS	4	226	4.05x4.33	—	41.6	29.6	30.7	1,411	225 @ 3,500	Tier 3		—	
D6-300 SOLAS	6	336	4.05x4.33	—	50.8	32.2	30.7	1,279	300 @ 3,500	Tier 3		—	
D6-300/DP SOLAS	6	336	4.05x4.33	—	50.8	32.2	30.7	1,645	300 @ 3,500	Tier 3		—	
D6-330 SOLAS	6	336	4.06x4.33	—	50.8	32.2	30.7	1,279	330 @ 3,500	Tier 3		—	
D6-330/DP SOLAS	6	336	4.06x4.33	—	50.8	32.2	30.7	1,645	330 @ 3,500	Tier 3		—	
D5A TA	4	290	4.25x5.12	—	43.5	30.0	40.0	1,157	Tier 2	140 @ 1,900 160 @ 2,300	121 @ 1,900 139 @ 2,300		
D7A TA	6	436	4.25x5.12	—	55.3	33.5	40.0	1,521	Tier 2	208 @ 1,900 237 @ 2,300	177 @ 1,900 201 @ 2,300		
D7C TA	6	436	4.25x5.12	—	55.3	33.5	40.0	1,521	Tier 2	230 @ 1,900 265 @ 2,300 248 @ 2,100	199 @ 1,900 226 @ 2,300 —		
D11 MC	6	661	4.84x5.98	—	51.5	37.1	40.5	2,524	625 @ 2,400	510 @ 2,250		Tier 3	
D13 MH	6	779.7	5.16x6.22	—	58.0	42.0	50.0	3,197	Tier 3	550 @ 1,800	400 @ 1,800 450 @ 1,800		
D13-700	6	779.7	5.16x6.22	—	70.7	42.9	41.5	3,439	—	500 @ 1,800	Tier 3		
D13-800	6	779.7	5.16x6.22	—	70.7	42.9	41.5	3,439	800 @ 2,300	700 @ 2,300		Tier 3	
IPS 400 MC (D6-300)	6	336	4.05x4.33	—	—	—	—	1,903*	300 @ 3,500	—		—	
IPS 450 MC (D6-330)	6	336	4.05x4.33	—	—	—	—	1,903*	330 @ 3,500	—		—	
IPS 650 MC (D11)	6	661	4.84x5.98	—	—	—	—	3,968*	—	510 @ 2,200	—		
IPS 800 MC (D11)	6	661	4.84x5.98	—	—	—	—	3,968*	650 @ 2,400	—		—	
IPS 900 MC (D13)	6	779.9	5.16x6.22	—	—	—	—	5,220*	—	700 @ 2,250	—		
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6LY3A-UTP	6	354	—	w/o	—	—	—	1,411	380 @ 3,300	—		—	
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8LV370*	6	272	—	w/o	—	—	—	960	370 @ 3,800	—		—	
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6LY2M-WDT**	6	5.813	105.9x110	w/o	—	—	—	535 kg	330 @ 3,200 377 @ 3,200	—		—	
6CH-HTE3	6	6.494	105x125	w/o	1,575	736	1,096	895	170 @ 2,550 190 @ 2,600	—		—	
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6CXBM-GT**	6	7.413	110x130	w/o	1,451	901	979	856	360 @ 2,400 400 @ 2,500 464 @ 2,700 509 @ 2,700	—		—	
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6HA2M-WDT**	6	13.14	130x165	w/o	1,585	1,016	1,260	1,455	350 @ 1,950	—		—	
6HYM-WET**	6	13.733	132.9x165	w/o	1,556	1,014	1,133	1,385	500 @ 1,950 600 @ 2,100 650 @ 2,150 700 @ 2,200	—		—	
6AYM-WST**	6	20.379	155x180	w/o	2,000	1,305	1,331	2,365	659 @ 1,900	—		—	
6AYAM-ET**	6	20.379	155x180	w/o	2,000	1,305	1,331	2,295	755 @ 1,900	—		—	
6AYM-WET**	6	20.379	155x180	w/o	2,000	1,305	1,331	2,365	755 @ 1,840	—		—	
6AYM-WGT**	6	20.379	155x180	w/o	2,000	1,305	1,331	2,365	911 @ 1,938	—		—	
12AYM-WST****	12	40.76	155x180	w/o	2,615.4	1,636	1,708	4,720	1,200 @ 1,850 1,400 @ 1,900	—		—	
12AYM-WET	12	40.76	155x180	w/o	2,615.4	1,636	1,708	4,720	1,550 @ 1,840 1,659 @ 1,900	—		—	
12AYM-WGT****	12	40.76	155x180	w/o	2,615.4	1,636	1,708	4,720	1,822 @ 1,940	—		—	

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