

### Engine series, marine

All engines

Distribution:

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Page: 1(29)

### Inboard diesel engines

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
2001	1984	1991	4	1	79,00	87	0,43	17,5	9	3200
2002	1983	1991	4	2	79,00	87	0,85	17,5	18	3200
2003	1983	1990	4	3	79,00	87	1,28	17,5	28	3200
1051BR		1962	4	1	104,77	130	1,12	16,5	11,5	1500
1052BR		1962	4	2	104,77	130	2,24	16,5	23	1500
1053BR		1961	4	3	104,77	130	3,30	16,5	35	1500
1054BR		1961	4	4	104,77	130	4,48	16,5	46	1500
1113BR	1961	1970	4	3	111,12	130	3,78	16,5	50-53	1800-2200
1114BR	1961	1967	4	4	111,12	130	5,04	16,5	59-71	1500-2200
2001B	1991	1993	4	1	79,00	130	0,43	17,5	9	3200
2001D	1992	1993	4	1	79,00	130	0,43	17,5	9	3200
2002B	1991	1993	4	2	79,00	130	0,85	17,5	18	3200
2002D	1992	1993	4	2	79,00	130	0,85	17,5	18	3200
2003B	1991	1993	4	3	79,00	130	1,28	17,5	28	3200
2003D	1992	1993	4	3	79,00	130	1,28	17,5	28	3200
2003T	1986	1993	4	3	79,00	87	1,28	17,5	43	3200
D12C-A MP	1999	2004	4	6	131,00	150	12,13	16,5	615-715	2150-2350
D12D-A MG	2002		4	6	131,00	150	12,13	17,5	420-503	1850-1950
D12D-A MH	2002	2004	4	6	131,00	150	12,13	17,5	400-550	1850-1950
D12D-A MP	2002	2004	4	6	131,00	150	12,13	16,5	615-715	2150-2350
D12D-B MH	2002		4	6	131,00	150	12,13	17,5	300-550	1850-1950

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
D12D-B MG	2002	4	6	131,00	150	12,13	17,5	420-503	1850-1950
D12D-B MP	2005	4	6	131,00	150	12,13	16,5	675-775	2150-2350
D2-55A	2001 2004	4	4	131,00	100	2,20	23	55	3000
D2-55B	2003 2005	4	4	131,00	100	2,20	23	55	3000
D2-55C	2004 2005	4	4	84,00	100	2,20	23	55	3000
D25A MS	2000	4	6	170,00	180	24,50	14	598-660	1600-1650
D25A MT	2000	4	6	170,00	180	24,50	14	639-707	1600-1650
D2-75A	2003	4	4	84,00	100	2,20	23	75	3000
D30A MS	2000	4	6	170,00	220	30,00	14	605-666	1350-1400
D30A MT	2000	4	6	170,00	220	30,00	14	653-721	1350-1400
D3-110I-A	2004	4	5	81,00	93,2	2,40	18	110	3000
D3-130A-A	2004	4	5	81,00	93,2	2,40	18	130	4000
D3-130I-A	2004	4	5	81,00	93,2	2,40	18	130	4000
D3-160A-A	2004	4	5	81,00	93,2	2,40	18	163	4000
D3-160I-A	2004	4	5	81,00	93,2	2,40	18	163	4000
D34A MS	2000	4	V-12	150,00	160	33,90	14,5	862-953	1940-2000
D34A MT	2000	4	V-12	150,00	160	33,90	14,5	953-1022	1940-2000
D4-210A-B	2004	4	4	103,00	110	3,70	17,5	210	3500
D4-210I-B	2004	4	4	103,00	110	3,70	17,5	210	3500
D4-260A-B	2004	4	4	103,00	110	3,70	17,5	260	3500
D4-260I-B	2000	4	4	103,00	110	3,70	17,5	260	3500
D49A MS	2000	4	V-12	170,00	180	49,00	14	1197-1319	1600-1650
D49A MT	2000	4	V-12	170,00	180	49,00	14	1298-1414	1800
D5A T	2002	4	4	108,00	130	4,80	17,6	98-129	1900-2300
D5A TA	2002	4	4	108,00	130	4,80	17,6	121-190	1900-2300
D6-280A-B	2004	4	6	103,00	110	5,50	17,5	280	3500
D6-280I-B	2004	4	6	103,00	110	5,50	17,5	280	3500

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
D6-310A-B	2004		4	6	103,00	110	5,50	17,5	310	3500
D6-310D-B	2004		4	6	103,00	110	5,50	17,5	310	3500
D6-310I-B	2004		4	6	103,00	110	5,50	17,5	310	3500
D6-350A-B	2004		4	6	103,00	110		17,5		
D6-370D-B	2004		4	6	103,00	110	5,50	17,5	370	3500
D6-370I-B	2004		4	6	103,00	110	5,50	17,5	370	3500
D65A MS	2000		4	V-16	170,00	180	65,40	14	1591-1754	1600-1650
D65A MT	2000		4	V-16	170,00	180	65,40	14	1700-1877	1600-1650
D7A T	2002		4	6	108,00	130	7,20	17,6	147-175	1900-2300
D7A TA	2002		4	6	108,00	130	7,20	17,6	177-237	1900-2300
D7C TA	2002		4	6	108,00	130	7,20	17,6	199-265	1900-2300
D9-300	2004		4	6	120,00	138	9,36	20,2	300	1750-1880
D9-355	2004		4	6	120,00	138	9,36	20,2	355	1750-1880
D9-425	2004		4	6	120,00	138	9,36	20,2	425	2200
D9-500	2004		4	6	120,00	138	9,40	17,4	500	2600
D9-575	2004		4	6	120,00	138	9,40	17,4	575	2500
D9A2A	2004		4	6	120,00	138	9,40	17,4	575	
KAMD300 BT	2001		4	6	92,00	90	3,60	16,9	285	3800
KAMD300-A	2001	2004	4	6	92,00	90	3,60	16,9	285	3800
KAMD42A	1991	1993	4	6	92,00	90	3,60	17,8		
KAMD42B	1993	1994	4	6	92,00	90	3,60	17,8		
KAMD42P-A	1994	1997	4	6	92,00	90	3,60	17,5	230	3900
KAMD43P	1997	2005	4	6	92,00	90	3,60	17,5	230	3900
KAMD44P	1997	2002	4	6	92,00	90	3,60	16,9		
KAMD44P-B	1999	2002	4	6	92,00	90	3,60	16,9		
KAMD44P-C	2000	2004	4	6	92,00	90	3,60	16,9		
KMD96A		1958	4	6	120,65	140	9,60	17	165	1800

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
MD1	1958	1970	4	1	79,37	90	0,45	18	7	2300
MD100A	1965	1970	4	6	120,65	140	9,60	17	135-148	1800-2200
MD100B	1969	1984	4	6	120,65	140	9,60	17	150-189	1800-2200
MD11C	1975	1981	4	2	88,90	90	1,12	17,5	23	2500
MD11D	1981	1983	4	2	88,90	90	1,12	17,5	25	3000
MD120A	1970	1980	4	6	130,18	150	11,98	17	175-220	1800-2200
MD17C	1975	1981	4	3	88,90	90	1,68	17,5	35	2500
MD17D	1981	1984	4	3	88,90	90	1,68	17,5	36	3000
MD19	1964	1968	4	4	88,00	80	1,95	22,1	68	4500
MD1B	1970	1973	4	1	88,90	90	0,56	17,5	10	2500
MD2	1964	1967	4	2	79,37	90	0,89	17,5	15,5	2300
MD2010A	1993	1994	4	2	67,00	64	0,45	23,5	10	3600
MD2010B	1994	1998	4	2	67,00	64	0,45	23,5	10	3600
MD2010C	1998	2000	4	2	67,00	64	0,45	23,5	10	3600
MD2010D	2000	2005	4	2	67,00	64	0,45	23,5	10	3600
MD2020A	1993	1994	4	3	67,00	64	0,68	23,5	19	3600
MD2020B	1994	1998	4	3	67,00	64	0,68	23,5	19	3600
MD2020C	1998	2000	4	3	67,00	64	0,68	23,5	19	3600
MD2020D	1998	2002	4	3	67,00	64	0,68	23,5	19	3600
MD2030A	1993	1994	4	3	75,00	72	0,95	23	29	3600
MD2030B	1995	1998	4	3	75,00	72	0,95	23	29	3600
MD2030C	1998	2000	4	3	75,00	72	0,95	23	29	3600
MD2030D	1998	2002	4	3	75,00	72	0,95	23	29	3600
MD2040A	1993	1994	4	3	84,00	90	1,50	22,5	40	3600
MD2040B	1995	1998	4	3	84,00	90	1,50	22,5	40	3600
MD2040C	1998	2005	4	3	84,00	90	1,50	22,5	40	3600
MD2040D	1998	2002	4	3	84,00	90	1,50	22,5	40	3600

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
MD21A	1969	1979	4	4	90,00	83	2,11	22,1	75	4500
MD21B	1979	1981	4	4	90,00	83	2,11	22,1	75	4500
MD22	1988	1994	4	4	84,40	88.9	1,99	18,1	59	4000
MD22A	1994	1995	4	4	84,40	88.9	2,00	18,1		
MD22L	1992	2002	4	4	84,40	88.9	2,00	17	50	3000
MD22P-B	1995		4	4	84,50	88.9	2,00	18	59	4000
MD27	1963	1966	4	6	85,00	80	2,72	21	83	4500
MD29	1967	1968	4	6	88,00	80	2,92	21	92	4000
MD29A	1968	1970	4	6	88,00	80	2,92	21	92	4000
MD2A	1967	1970	4	2	79,37	90	0,89	17,5	16.5	2300
MD2B	1970	1975	4	2	88,90	90	1,12	17,5	25	2500
MD2B/HY	1970	1975	4	2	88,90	90	1,12	17,5	25	2500
MD30A	1983	1986	4	4	92,00	90	2,39	21	65	3800
MD31A	1986	1994	4	4	92,00	90	2,39	18	62	3500
MD32A	1970	1977	4	6	90,00	83	3,17	22,1	106	4000
MD38A	1963	1970	4	3	111,12	130	3,78	16,5	49-53	1800-2200
MD3B	1971	1975	4	3	88,90	90	1,68	17,2	36	2500
MD4	1954	1964	4	4	75,00	100	1,77	19	19-39	1500-3400
MD40A	1976	1985	4	6	92,00	90	3,59	21	72-85	3000-3600
MD42A	1970	1974	4	6	105,57	120	4,20	17,5	56-75	1800-2300
MD47A	1955	1961	4	6	92,25	110	4,70	17	42-83	1200-2500
MD47B	1961	1965	4	6	92,25	110	4,70	17	65-83	1800-2500
MD50A	1965	1970	4	6	92,25	120	5,13	17	75-92	1800-2500
MD5A	1975	1978	4	1	84,00	80	0,44	15/16	7,5	2500
MD5B	1978	1981	4	1	84,00	80	0,44	15/16	7,5	2500
MD5C	1981	1982	4	1	84,00	80	0,44	15/16	9,5	3000
MD67A	1954	1955	4	6	104.77	130	6,73	17	59-103	1200-2400

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*	RPM rpm
MD67B	1955	1960	4	6	104,77	130	6,73	17	59-103	1200-2400
MD67C	1960	1965	4	6	104,77	130	6,73	17	95-112	1800-2400
MD6A	1971	1975	4	2	70,00	82	0,63	18,7	10	2400
MD6B	1975	1976	4	2	70,00	82	0,63	18,7	10	2400
MD6B/110S	1975	1976	4	2	70,00	82	0,63	18,7	10	2400
MD70A	1965	1970	4	6	104,77	130	6,73	17	100-145	1800-2500
MD70B	1970	1978	4	6	104,77	130	6,73	17	110-145	2000-2500
MD70C	1978	1985	4	6	104,77	130	6,73	17	99-145	1800-2500
MD7A	1976	1981	4	2	76,00	82	0,77	17	13.4	2600
MD7B	1981	1983	4	2	76,00	82	0,77	17	17.5	3000
MD96A	1954	1959	4	6	120,65	140	9,60	17	89-137	1200-2200
MD96B	1958	1965	4	6	120,65	140	9,60	17	89-137	1200-2200
TAMD102A	1991	2000	4	6	120,65	140	9,60	14,3	320-360	1800-2000
TAMD102D	1993	2000	4	6	120,65	140	9,60	14,3	455	2250
TAMD103A	2000	2004	4	6	120,60	140	7,60	17	345-390	1800
TAMD120A	1972	1980	4	6	130,18	150	11,98	15	302-356	1800-2200
TAMD120B	1980	1983	4	6	130,18	150	11,98	13,3	340-400	1800-2200
TAMD121C	1983	1986	4	6	130,20	150	11,98	14,2	408	2000
TAMD121D	1983	1988	4	6	130,20	150	11,98	14,2	95-422	1200-2000
TAMD122A	1988	2002	4	6	130,20	150	11,98	14,2	380-400	1000-1900
TAMD122AF	1991	1991	4	6	130,20	150	11,98	14,2		
TAMD122C	1988	1989	4	6	130,20	150	11,98	14,2	173-450	1000-2000
TAMD122D	1989	1996	4	6	130,20	150	11,98	14,2		
TAMD122P-A	1995	2002	4	6	130,20	150	11,98	14,2	530-600	2250
TAMD122P-B	1996	1999	4	6	130,20	150	11,98	14,2	600	2250
TAMD122P-C	1996	2001	4	6	130,20	150	11,98	14,2		
TAMD162A	1988	1991	4	6	144,00	165	16,12	15	295-551	1200-1900

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Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
TAMD162B	1990	1994	4	6	144,00	165	16,12	15		
TAMD162C	1992	1996	4	6	144,00	165	16,12	15	490-510	1800
TAMD162C-B	1991	2000	4	6	144,00	165	16,12	15	510	1800
TAMD162C-C	1999	2001	4	6	144,00	165	16,12	17		
TAMD163A	1994	1998	4	6	144,00	165	16,12	17	550-600	1800
TAMD163A-A	1995	2001	4	6	144,00	165	16,12	17	550-600	1800
TAMD163P-A	1994	2001	4	6	144,00	165	16,12	17	680-770	2100
TAMD165A	2002		4	6	144,00	165	16,12	17	550	1800
TAMD165A-A	2002		4	6	144,00	165	16,12	17		
TAMD165C	2002	2005	4	6	144,00	165	16,12	17	510	1800
TAMD165C-A	2002	2005	4	6	144,00	165	16,12	17		
TAMD165P	2002		4	6	144,00	165	16,12	17	680-751	2100
TAMD165P-A	2002		4	6	144,00	165	16,12	17		
TAMD22P-B	1995	2003	4	4	84,50	88,9	2,00	17,5	105	4500
TAMD30A	1983	1986	4	4	92,00	90	2,39	21	110	3800
TAMD31A	1986	1991	4	4	92,00	90	2,39	16	130	3800
TAMD31B	1989	1993	4	4	92,00	90	2,39	16		
TAMD31D	1993	1994	4	4	92,00	90	2,39	16		
TAMD31L	1994	2003	4	4	92,00	90	2,39	16	130	3800
TAMD31L-A	1994	1998	4	4	92,00	90	2,39	16		3800
TAMD31M	1995	2001	4	4	92,00	90	2,39	16	110	3250
TAMD31M-A	1994	2003	4	4	92,00	90	2,39	16		
TAMD31P-A	1994	2004	4	4	92,00	90	2,39	16	150	3900
TAMD31S	2002	2003	4	4	92,00	90	2,39	16	100	3000
TAMD31X	1993	1993	4	4	92,00	90	2,39	16		
TAMD40A	1980	1985	4	6	92,00	90	3,59	21	110-148	3000-3600
TAMD40B	1983	1986	4	6	92,00	90	3,59	21	165	6000

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume dm <sup>3</sup>	Compr. for	Output hp (*	RPM rpm
TAMD41A	1986	1989	4	6	92,00	90	3,59	17,5	200	3800
TAMD41B	1989	1993	4	6	92,00	90	3,59	17,5		
TAMD41D	1993	1994	4	6	92,00	90	3,59	17,5		
TAMD41H	1998		4	6	92,00	90	3,59	17,5	145	2500
TAMD41H-A	1994	1998	4	6	92,00	90	3,59	17,5		
TAMD41H-B	1999	1999	4	6	92,00	90	3,59	17,5		2600
TAMD41L	1994	2000	4	6	92,00	90	3,59	17,5		
TAMD41M-A	1994	2004	4	6	92,00	90	3,59	17,5	170	3250
TAMD41P	1998		4	6	92,00	90	3,60	17,5	200	3800
TAMD41P-A	1994	2005	4	6	92,00	90	3,59	17,5		
TAMD42A	1992	1993	4	6	92,00	90	3,59	17,5		
TAMD42B	1993	1996	4	6	92,00	90	3,59	17,8		
TAMD42P-A	1994	1996	4	6	92,00	90	3,59	17,8		
TAMD42WJ	1995	2003	4	6	92,00	90	3,59	17,5	230	
TAMD60A	1976	1978	4	6	98,43	120	5,48	16	121-200	1800-2800
TAMD60B	1978	1983	4	6	98,43	120	5,48	16	140-230	1800-2800
TAMD60C	1983	1987	4	6	98,43	120	5,48	16	152-250	1600-2800
TAMD61A	1986	1995	4	6	98,43	120	5,48	15	306	2800
TAMD62A	1992	1994	4	6	98,43	120	5,48	15		
TAMD63L-A	1994	2005	4	6	98,40	120	5,50	16,7	235-310	2500-2800
TAMD63P-A	1994	2005	4	6	98,40	120	5,50	16,7	360	2800
TAMD70B	1970	1975	4	6	104,77	130	6,73	14,5	155-250	1800-2500
TAMD70C	1974	1978	4	6	104,77	130	6,73	14,5	184-280	1800-2500
TAMD70D	1978	1983	4	6	104,77	130	6,73	14,5	177-280	1800-2500
TAMD70E	1983	1987	4	6	104,77	130	6,73	15	209-300	1600-2500
TAMD71A	1986	1994	4	6	104,77	130	6,73	14	357	2500
TAMD71B	1989	2000	4	6	104,77	130	6,73	14	218-350	2000-2800

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.



Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
TAMD72A	1991	1995	4	6	104,77	130	6,73	14		
TAMD72P-A	1995	1997	4	6	104,77	130	6,73	14	430	2600
TAMD72WJ-A	1993	1997	4	6	104,77	130	6,73	14	450	2600
TAMD73P-A	1997	1998	4	6	104,77	130	6,73	15,7	350	2500
TAMD73WJ-A	1997	1999	4	6	104,77	130	6,73	15,7	450	2600
TAMD74A	2000		4	6	107,00	135	7,30	17	250-350	2100-2200
TAMD74A-A	2000		4	6	107,00	135	7,30	17		2600
TAMD74A-B	2000		4	6	107,00	135	7,30	17		
TAMD74C-A	2000	2001	4	6	107,00	135	7,30	17	430-450	2500-2600
TAMD74C-B	2001		4	6	107,00	135	7,30	17		
TAMD74L-A	1999	2001	4	6	107,00	135	7,30	17		2500
TAMD74L-B	2000	2005	4	6	107,00	135	7,30	17	430	2500
TAMD74P-A	1998	2005	4	6	107,00	135	7,30	17	480	2600
TAMD74P-B	1999	2002	4	6	107,00	135	7,30	17		
TAMD75P-A	1998	2005	4	6	107,00	135	7,30	17	480	2600
THAMD70B	1972	1975	4	6	104,77	130	6,73	14,5	155-250	1800-2300
THAMD70C	1974	1979	4	6	104,77	130	6,73	14,5	184-280	1800-2500
TIMD96A	1958	1959	4	6	120,65	140	9,60	17	155-185	1500-1800
TIMD96B	1958	1961	4	6	120,65	140	9,60	17	155-185	1500-1800
TMD100A	1965	1983	4	6	120,65	140	9,60	15	203-232	1800-2000
TMD100C	1983	1988	4	6	120,65	140	9,60	14,3	196-272	1200-2000
TMD102A	1988	2000	4	6	120,65	140	9,60	14,3	141-272	1000-2000
TMD120A	1970	1982	4	6	130,18	150	11,98	15	271-230	1800-2200
TMD120B	1982	1983	4	6	130,20	150	11,98	15	326	2000
TMD121C	1983	1988	4	6	130,20	150	11,98	14,2	223-340	1200-2000
TMD122A	1988	2000	4	6	130,20	150	11,98	14,2	300-320	1800
TMD162C	1996	1997	4	6	144,00	165	16,12	15		

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume dm <sup>3</sup>	Compr. for	Output hp (*)	RPM rpm
TMD22A	1993	1995	4	4	84,50	90	2,00	18	78	4500
TMD22B	1994	2000	4	4	84,50	90	2,00	18	78	4500
TMD22P-C	1997	2002	4	4	84,50	90	2,00	18		
TMD30A	1983	1986	4	4	92,00	90	2,39	21	90	3800
TMD31A	1986	1989	4	4	92,00	90	2,39	16	100	3800
TMD31B	1989	1993	4	4	92,00	90	2,39	16		
TMD31D	1993	1994	4	4	92,00	90	2,39	16		
TMD31L-A	1994	1997	4	4	92,00	90	2,39	16	100	3800
TMD40A	1976	1985	4	6	92,00	90	3,59	21	91-124	3000-3600
TMD40B	1982	1986	4	6	92,00	90	3,59	21	136	3600
TMD40C	1983	1986	4	6	92,00	90	3,59	21	136	3600
TMD41A	1986	1988	4	6	92,00	90	3,59	16	150	3800
TMD41B	1989	1993	4	6	92,00	90	3,59	17,5		
TMD41D	1993	1994	4	6	92,00	90	3,59	17,5		
TMD41L-A	1994	1997	4	6	92,00	90	3,59	17,5	150	3800
TMD47B	1961	1965	4	6	95,25	110	4,70	17	90-115	1800-2500
TMD50A	1965	1970	4	6	95,25	120	5,13	14.5	93-118	1800-2500
TMD70A	1966	1969	4	6	104,77	130	6,73	16	170	2400
TMD70AB	1969	1970	4	6	104,77	130	6,73	16	157-200	2000-2500
TMD70B	1972	1978	4	6	104,77	130	6,73	16	162-200	2000-2500
TMD70C	1978	1985	4	6	104,77	130	6,73	16	150-200	1800-2500
TMD96A	1956	1959	4	6	120,65	140	9,60	17	138-160	1500-1800
TMD96B	1958	1962	4	6	120,60	140	9,60	17	138-169	1500-1800
TMD96B1	1961	1965	4	6	120,65	140	9,60	17	170-200	1500-1800
VDB6	1949	1954	4	6	115,10	140	8,73	19	86	2200
VDC6	1952	1957	4	6	120,65	130	6,13	17	132	2400
VDF6	1952	1953	4	6		140	9,60	16	132	2200

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

## Aquamatic diesel engines

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp <sup>*</sup>	RPM rpm
AD31A	1986	1989	4	4	92,00	90	2,39	16	130	3800
AD31B	1989	1993	4	4	92,00	90	2,39	16		
AD31D	1993	1994	4	4	92,00	90	2,39	16		
AD31D-A	1994	1994	4	4	92,00	90	2,39	16		
AD31L	1996	2004	4	4	92,00	90	2,39	16	130	3800
AD31L-A	1994	2004	4	4	92,00	90	2,39	16	130	3900
AD31P	1996	2004	4	4	92,00	90	2,39	16	150	4000
AD31P-A	1994	2004	4	4	92,00	90	2,39	16	150	4000
AD31X	1993	1994	4	4	92,00	90	2,39	16		
AD41A	1988	1989	4	6	92,00	90	3,59	17,5	200	3800
AD41B	1989	1993	4	6	92,00	90	3,59	17,5		
AD41D	1993	1994	4	6	92,00	90	3,59	17,5		
AD41L-A	1994	1998	4	6	92,00	90	3,60	17,5	165	3600
AD41P-A	1994	2005	4	6	92,00	90	3,60	17,5	200	3900
AQAD30A	1983	1986	4	4	92,00	90	2,39	21	110	3800
AQAD31A	1986	1989	4	4	92,00	90	2,39	16	130	3800
AQAD40A	1980	1985	4	6	92,00	90	3,59	21	110-148	3000-3600
AQAD40B	1982	1986	4	6	92,00	90	3,59	21	165	3600
AQAD41A	1986	1989	4	6	92,00	90	3,59	17,5	200	3800
AQAD41B	1991	1993	4	6	92,00	90	3,59			
AQAD41D	1993	1994	4	6	92,00	90	3,59			
AQD19	1964	1968	4	4	88,00	80	1,95	22,1	68	4500
AQD21A	1969	1979	4	4	90,00	83	2,11	22,1	75	4500
AQD21B	1979	1981	4	4	90,00	83	2,11	22,1	75	4500
AQD27	1963	1966	4	6	85,00	80	2,72	21	83	4000

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
AQD29	1967	1968	4	6	88,00	80	2,92	21	92	4000
AQD29A	1968	1969	4	6	88,00	80	2,92	21	92	4000
AQD2B	1972	1975	4	2	88,90	90	1,12		25	2500
AQD32A	1969	1977	4	6	90,00	83	3,17	22,1	106	4000
AQD40A	1977	1985	4	6	92,00	90	3,59	21	91-124	3000-3600
AQD40B	1982	1985	4	6	92,00	90	3,59			
AQD41A	1986	1989	4	6	92,00	90	3,59	17,5	150	3800
AQD70	1972	1975	4	6	104,77	130	6,73	14,5	185-250	2200-2500
AQD70BL	1972	1975	4	6	104,77	130	6,73	14,5	185-250	2200-2500
AQD70C	1974	1978	4	6	104,77	130	6,73	14,5	215-280	2200-2500
AQD70CL	1974	1979	4	6	104,77	130	6,73	14,5	215-280	2200-2500
AQD70D	1978	1981	4	6	104,77	130	6,73	15	215-280	2200-2500
D41A	1988	1989	4	6	92,00	90	3,59	17,5	150	3800
D41B	1989	1993	4	6	92,00	90	3,59	17,5	150	3800
D41D	1993	1994	4	6	92,00	90	3,59	17,5	150	3800
D41L-A	1994	1998	4	6	92,00	90	3,60	17,5	150	3900
KAD300-A	2001		4	6	92,00	90	3,60	17	285	3800
KAD32P	1996	2005	4	4	92,00	90	2,40	17,5	170	3800
KAD42A	1991	1993	4	6	92,00	90	3,59	17,8		3900
KAD42B	1993	2001	4	6	92,00	90	3,59	17,8		3900
KAD42P-A	1993	1994	4	6	92,00	90	3,60	17,8	230	3900
KAD43P	1997	2004	4	6	92,00	90	3,60	17,5	230	3900
KAD43P-A	1997	2005	4	6	92,00	90	3,60	17,5	230	3700-3900
KAD44P	1997	1999	4	6	92,00	90	3,60	16,9	260	3700-3900
KAD44P-B	1998	2000	4	6	92,00	90	3,60	16,9	260	3700-3900
KAD44P-C	2000	2004	4	6	92,00	90	3,60	16,9	260	3700-3900

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

## Aquamatic gasoline engines

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
230A	1989	1992	4	4	96,00	80	2,31		120	5000
230B	1992	1993	4	4	96,00	80	2,31		120	5000
250A	1989	1992	4	4	96,00	86	2,49	9,7	146	5500
250B	1992	1993	4	4	96,00	86	2,49	9,7	146	5500
251A DOHC	1989	1992	4	4	96,00	86	2,49	9,7	167	5700
3.0GL	1993	1999	4	4	101,60	91,4	2,96	9,3	135	4600
3.0GLM-A	2002	2002	4	4	101,60	91,4				
3.0GLM-B	2003	2003	4	4	101,60	91,4				
3.0GLM-C	2003	2004	4	4	101,60	91,4				
3.0GLP-A	2002	2002	4	4	101,60	91,4				
3.0GLP-B	2002	2003	4	4	101,60	91,4				
3.0GLP-C	2003	2005	4	4	101,60	91,4				
3.0GS	1993	2000	4	4	101,60	91,4	3,00	9,3	150	4400
3.0GSM-A	1999	2001	4	4	101,60	91,4				
3.0GSM-B	2001	2001	4	4	101,60	91,4				
3.0GSM-C	2001	2002	4	4	101,60	91,4				
3.0GSP-A	1997	2001	4	4	101,60	91,4				
3.0GSP-B	1999	2001	4	4	101,60	91,4				
3.0GSP-C	2001	2002	4	4	101,60	91,4				
4.3Gi	1994	2001	4	V6	101,60	88,4	4,30	9,3	225	4600
4.3GL	1993	2001	4	V6	101,60	88,4	4,30	9,3	205	4600
4.3GL-A	2001	2002	4	V6	101,60	88,4	4,30	9,3		
4.3GL-B	2001	2002	4	V6	101,60	88,4	4,30	9,3		
4.3GL-C	2002	2004	4	V6	101,60	88,4	4,30	9,3		
4.3GL-D	2002	2003	4	V6	101,60	88,4	4,30	9,3		

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
4.3GS	1993	1999	4	V6	101,60	88,4	4,30	9,3	225	4600
4.3GXi-A	2000	2001	4	V6	101,60	88,4	4,30		225	4800
4.3GXi-B	2001	2002	4	V6	101,60	88,4	4,30			
4.3GXi-BF	2001	2002	4	V6	101,60	88,4	4,30			
4.3GXi-C	2002	2002	4	V6	101,60	88,4	4,30			
4.3GXi-CF	2002	2002	4	V6	101,60	88,4	4,30			
4.3GXi-D	2002	2003	4	V6	101,60	88,4	4,30			
4.3GXi-DF	2003	2003	4	V6	101,60	88,4	4,30			
4.3GXi-EF	2003	2005	4	V6	101,60	88,4	4,30			
4.3OSi-B	2001	2002	4	V6	101,60	88,4	4,30			
4.3OSi-C	2002	2002	4	V6	101,60	88,4	4,30			
4.3OSi-CF	2002	2003	4	V6	101,60	88,4	4,30			
4.3OSi-D	2003	2003	4	V6	101,60	88,4	4,30			
4.3OSi-E	2003	2005	4	V6	101,60	88,4	4,30			
4.3OSi-EF	2004	2004	4	V6	101,60	88,4	4,30			
430A	1990	1991	4	V6	101,60	88,4	4,30	9,3	205	4600
430B	1991	1992	4	V6	101,60	88,4	4,30	9,3	205	4800
431A	1989	1991	4	V6	101,60	88,4	4,30	9,3		
431B	1991	1992	4	V6	101,60	88,4	4,30	9,3		
432A	1992	1993	4	V6	101,60	88,4	4,30	9,3		
432B	1995	1998	4	V6	101,60	88,4	4,30	9,3		
434A	1992	1993	4	V6	101,60	88,4	4,30	9,3		
434B	1996	1997	4	V6	101,60	88,4	4,30	9,3		
5.0Fi	1993	1999	4	V8	101,60	76,2	4,95	8,5	235	4600
5.0FL	1993	1996	4	V8	101,60	76,2	4,95	8,4	205	4600
5.0GL-A	2001	2001	4	V8	95,00	88,4	5,00	9,4	220	4800
5.0GL-B	2001	2002	4	V8	95,00	88,4	5,00	9,4	220	4800

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
5.0GL-C	2002	2003	4	V8	95,00	88,4	5,00	9,4	270	4800
5.0GL-D	2002	2003	4	V8	95,00	88,4	5,00	9,4	270	4800
5.0GXi-A	2001	2002	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-B	2001	2003	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-BF	2001	2002	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-C	2002	2003	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-CF	2002	2002	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-D	2002	2003	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-DF	2003	2003	4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-E	2003		4	V8	101,60	88	5,00	9,4	270	5000
5.0GXi-EF	2003		4	V8	101,60	88	5,00	9,4	270	5000
5.0OSi-B	2001	2002	4	V8	101,60	88				
5.0OSi-C	2002	2002	4	V8	101,60	80				
5.0OSi-CF	2002	2002	4	V8	101,60	80				
5.0OSi-D	2003	2003	4	V8	101,60	80				
5.0OSi-DF	2003	2003	4	V8	101,60	80				
5.0OSi-E	2003	2005	4	V8	101,60	80				
5.0OSi-EF	2003	2005	4	V8	101,60	80				
5.7Gi	1993	1997	4	V8	101,60	88,4	5,73	9,3	270	4400
5.7Gi-A	2000	2001	4	V8	101,60	88,4	5,70	9,3	270	4400
5.7Gi-B	2000	2003	4	V8	101,60	88,4	5,70	9,3		4400
5.7Gi-BF	2001	2003	4	V8	101,60	88,4	5,70	9,3		4400
5.7Gi-C	2002	2002	4	V8	101,60	88,4	5,70	9,3		4400
5.7Gi-CF	2002	2002	4	V8	101,60	88,4	5,70	9,3		4400
5.7Gi-D	2002	2003	4	V8	101,60	88,4	5,70	9,3		4400
5.7Gi-DF	2003	2003	4	V8	101,60	88,4	5,70	9,3		4400
5.7Gi-E	2003	2005	4	V8	101,60	88,4	5,70	9,3		4400

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume dm <sup>3</sup>	Compr. for	Output hp (*)	RPM rpm
5.7Gi-EF	2003	2005	4	V8	101,60	88,4	5,70	9,3		4400
5.7GII-A	2001	2001	4	V8	101,60	88,4				
5.7GII-B	2002	2002	4	V8	101,60	88,4				
5.7GII-C	2002	2002	4	V8	101,60	88,4				
5.7GII-D	2002	2003	4	V8	101,60	88,4				
5.7GII-E	2003	2005	4	V8	101,60	88,4				
5.7GL	1993	1997	4	V8	101,60	88,4	5,73	9,3	235	4400
5.7GL-A	2001	2001	4	V8	101,60	88,4	5,70	9,4	260	4800
5.7GL-B	2001	2002	4	V8	101,60	88,4	5,70	9,4	260	4800
5.7GL-C	2002	2002	4	V8	101,60	88,4	5,70	9,4	260	4800
5.7GL-D	2003	2003	4	V8	101,60	88,4	5,70	9,4	260	4800
5.7GL-E	2003	2004	4	V8	101,60	88,4	5,70	9,4	260	4800
5.7GLi	1996	1997	4	V8	101,60	88,4	5,73	9,3		
5.7GS	1996	2001	4	V8	101,60	88,4	5,73	9,3	270	4400
5.7GSI	1996	1996	4	V8	101,60	88,4	5,73	9,3		
5.7GSi	1996	2001	4	V8	101,60	88,4	5,73	9,3	310	4800
5.7GSic	1996	1997	4	V8	101,60	88,4	5,73	9,3		
5.7GXi	2003	2003	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-A	2000	2001	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-B	2001	2002	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-C	2001	2003	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-CF	2001	2002	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-D	2001	2002	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-DF	2002	2002	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-E	2002	2003	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-EF	2002	2003	4	V8	101,60	88,4	5,70	9,4	320	5000
5.7GXi-F	2003		4	V8	101,60	88,4	5,70	9,4	320	5000

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.



Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp <sup>(*)</sup>	RPM rpm
5.7GXi-FF	2003		4	V8	101,60	88,4				
5.7GXII-B	2001	2002	4	V8	101,60	88,4				
5.7GXII-C	2001	2003	4	V8	101,60	88,4				
5.7GXII-D	2002	2002	4	V8	101,60	88,4				
5.7OSi-A	2001	2002	4	V8	101,60	88,4				
5.7OSi-AF	2001	2002	4	V8	101,60	88,4				
5.7OSi-B	2002	2002	4	V8	101,60	88,4				
5.7OSi-BF	2002	2002	4	V8	101,60	88,4				
5.7OSi-C	2003	2003	4	V8	101,60	88,4				
5.7OSi-CF	2003	2003	4	V8	101,60	88,4				
5.7OSi-D	2003		4	V8	101,60	88,4				
5.7OSi-DF	2003		4	V8	101,60	88,4				
5.7OSXi-A	2001	2002	4	V8	101,60	88,4				
5.7OSXi-AF	2001	2002	4	V8	101,60	88,4				
5.7OSXi-B	2002	2002	4	V8	101,60	88,4				
5.7OSXi-BF	2002	2002	4	V8	101,60	88,4				
5.7OSXi-C	2003	2003	4	V8	101,60	88,4				
5.7OSXi-CF	2003	2003	4	V8	101,60	88,4				
5.7OSXi-D	2003		4	V8	101,60	88,4				
5.7OSXi-DF	2003		4	V8	101,60	88,4				
5.8Fi	1993	1996	4	V8	101,60	88,9	5,75	8,5	275	4600
5.8FL	1993	1996	4	V8	101,60	88,9	5,75	8,4	250	4400
5.8FSi	1994	1996	4	V8	101,60	88,9	5,75	8,8		
500A	1989	1990	4	V8	95,00	88,4	5,00	9,3	210	4400
500B	1990	1993	4	V8	95,00	88,4	5,00	9,3		
501A	1989	1991	4	V8	95,00	88,4	5,00	9,3	229	4600
501B	1991	1993	4	V8	95,00	88,4	5,00	9,3	229	4600

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
502A	1994	1996	4	V8						
570A	1989	1993	4	V8	101,60	88,4	5,73	9,3	275	4600
571A	1989	1992	4	V8	101,60	88,4	5,73	9,3	307	5200
572A	1991	1993	4	V8						
572B	1996	1998	4	V8						
574B	1996	1996	4	V8						
7.4Gi	1994	2000	4	V8			7,40		360	4400
7.4GL IHUB	1994	1995	4	V8			7,40			
7.4GL PHUS	1994	1995	4	V8			7,40			
7.4GL PLKD	1996	1997	4	V8			7,40			
7.4GL PLKE	1996	1997	4	V8			7,40			
7.4GL PMDM	1993	1994	4	V8			7,40			
7.4GL PNCA	1995	1995	4	V8			7,40			
7.4GL PNCS	1995	1996	4	V8			7,40			
7.4GSi	1994	2000	4	V8	107,95	101,6	7,40	8,4	405	4600
7.4GSi PBYCCE	1997	1999	4	V8	107,95	101,6	7,40	8,4		
7.4GSi PEFS	1998	2000	4	V8	107,95	101,6	7,40	8,4		
7.4GSi PWTR	1998	1999	4	V8	107,95	101,6	7,40	8,4		
7.4GSi XHUS	1994	1995	4	V8	107,95	101,6	7,40	8,4		
7.4GSi XNCB	1995	1996	4	V8						
740A	1989	1992	4	V8			7,40		330	4400
740B	1992	1993	4	V8			7,40		330	4400
8.1Gi-A	1999	2001	4	V8	108,00	111	8,10		375	4600
8.1Gi-B	1999	2002	4	V8	108,00	111	8,10		375	4600
8.1Gi-BF	1999	2002	4	V8	108,00	111	8,10		375	4600
8.1Gi-C	2002	2002	4	V8	108,00	111	8,10		375	4600
8.1Gi-CF	2002	2002	4	V8	108,00	111	8,10		375	4600

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
8.1Gi-D	2002	2003	4	V8	108,00	111	8,10		375	4600
8.1Gi-DF	2002	2003	4	V8	108,00	111	8,10		375	4600
8.1Gi-E	2003	2004	4	V8	108,00	111	8,10		375	4600
8.1Gi-EF	2003	2004	4	V8	108,00	111	8,10		375	4600
8.1Gi-F	2004	2005	4	V8	108,00	111	8,10		375	4600
8.1Gi-FF	2004	2005	4	V8	108,00	111	8,10		375	4600
8.1GII-B	2001	2002	4	V8						
8.1GII-C	2002	2002	4	V8						
8.1GII-D	2002	2003	4	V8						
8.1GII-E	2003	2004	4	V8						
8.1GSi-A	2000	2001	4	V8						
8.1GXi-AF	2001	2002	4	V8	108,00	111	8,10		420	5000
8.1GXi-B	2002	2002	4	V8	108,00	111	8,10		420	5000
8.1GXi-BF	2002	2002	4	V8	108,00	111	8,10		420	5000
8.1GXi-C	2003	2003	4	V8	108,00	111	8,10		420	5000
8.1GXi-CF	2003	2003	4	V8	108,00	111	8,10		420	5000
8.1GXi-D	2003	2004	4	V8	108,00	111	8,10		420	5000
8.1GXi-DF	2003	2004	4	V8	108,00	111	8,10		420	5000
8.1GXi-E	2004	2005	4	V8	108,00	111	8,10		420	5000
8.1GXi-EF	2004	2005	4	V8	108,00	111	8,10		420	5000
8.1GXII-A	2001	2002	4	V8						
8.1GXII-B	2002	2002	4	V8						
8.1GXII-C	2002	2003	4	V8						
8.1GXII-D	2003	2004	4	V8						
8.1OSi-A	2003	2004	4	V8						
8.1OSi-AF	2003	2004	4	V8						
8.1OSi-B	2004	2005	4	V8						

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
8.1OSi-BF	2004	2005	4	V8						
8.2GL	1993	1994	4	V8						
8.2GSi	1995	2000	4	V8				8,2	435	5000
820A	1992	1993	4	V8						
AQ100	1961	1963	4	4	84,14	80	1,78	9,5	100	
AQ105A	1968	1969	4	4	88,90	80	1,99	9,5	105	5100
AQ110	1963	1966	4	4	84,14	80	1,78	10,0	110	
AQ115A	1969	1970	4	4	88,90	80	1,99	9,5	115	5100
AQ115B	1970	1975	4	4	88,90	80	1,99	9,5	115	5100
AQ115C	1975	1977	4	4	88,90	80	1,99	9,5	115	5100
AQ120	1966	1968	4	4	84,14	80	1,78	9,7	120	5000
AQ120B	1977	1980	4	4	92,00	80	2,13	9,3	110	5000
AQ125	1981	1983	4	4	92,00	80	2,13		120	5000
AQ125A	1983	1984	4	4	92,00	80	2,13		117	
AQ125B	1984	1985	4	4	92,00	80	2,13			
AQ130A	1968	1970	4	4	88,90	80	1,99	9,5	130	5100
AQ130B	1968	1970	4	4	88,90	80	1,99	8,4	115	5100
AQ130C	1969	1975	4	4	88,90	80	1,99	9,5	130	5100
AQ130D	1975	1977	4	4	88,90	80	1,99		110	5500
AQ131A	1985	1987	4	4	96,00	80	2,31		120	4800
AQ131B	1986	1987	4	4	96,00	80	2,31		120	4800
AQ131C	1987	1989	4	4	96,00	80	2,31		120	4800
AQ131D	1987	1989	4	4	96,00	80	2,31		120	4800
AQ135	1964	1968	4	4				10,8	135	
AQ140A	1975	1979	4	4	92,00	80	2,31	9,3	125	5500
AQ145A	1979	1985	4	4	96,00	80	2,31	9,7	138	5500
AQ145B	1984	1985	4	4						

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
AQ150	1965	1965	4	V6	95,25	86,36	3,70	9,0	150	4200
AQ150A	1965	1966	4	V6	95,25	86,36	3,70	9,0	150	4200
AQ150B	1966	1969	4	V6	95,25	86,36	3,70	9,0	150	4200
AQ151A	1985	1986	4	4	96,00	86	2,49	9,7	146	5100
AQ151B	1985	1987	4	4	96,00	86	2,49	9,7	146	5500
AQ151C	1987	1989	4	4	96,00	86	2,49	9,7	146	5500
AQ155A	1969	1977	4	4				11,2	146-160	6000
AQ165A	1968	1969	4	6	88,90	80	2,98	9,2	165	5000
AQ170A	1969	1972	4	6	88,90	80	2,98	9,5	170	5000
AQ170B	1972	1973	4	6	88,90	80	2,98		170	5000
AQ170C	1973	1978	4	6	88,90	80	2,98	9,0	160	5000
AQ170D	1978	1980	4	4	96,00	86				
AQ171A	1986	1987	4	4	96,00	86	2,49	9,7	167	5700
AQ171C	1987	1989	4	4			2,49	9,7	167	5700
AQ175A	1981	1985	4	V6			3,80		170	4800
AQ180	1963	1964	4	V8	84,14	80	3,60	9,5	180	
AQ190A	1976	1977	4	V8	101,60	76,2	4,95	7,9	182	4200
AQ200A	1969	1974	4	V8	97,43	82,55	5,05	8,0	200	4400
AQ200B	1974	1976	4	V8	97,43	82,55	5,05	8,0	200	4400
AQ200C	1976	1977	4	V8	95,00	88,4	5,00	8,4	200	4400
AQ200D	1977	1986	4	V8	95,00	88,4	5,00	8,5	200	4400
AQ200F	1985	1986	4	V8	95,00	88,4	5,00	8,5	200	4400
AQ205A	1988	1989	4	V6	101,60	88,4	4,30	9,3	205	4600
AQ210A	1970	1972	4	V8	98,43	82,55	5,05	8,0	210	4000
AQ211A	1986	1989	4	V8	95,00	88,4	5,00	9,3	210	4400
AQ225A	1973	1974	4	V8	97,43	82,55	5,05	8,25	225	4400
AQ225B	1974	1976	4	V8	98,43	82,55	5,05	8,25	225	4400

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
AQ225C	1976	1977	4	V8	95,00	88,4	5,00	8,4	225	4400
AQ225D	1977	1986	4	V8	95,00	88,4	5,00	8,5	225	4400
AQ225E	1985	1986	4	V8	95,00	88,4	5,00	8,5		
AQ225F	1985	1986	4	V8	95,00	88,4	5,00	8,5	225	4400
AQ231A	1986	1989	4	V8	95,00	88,4	5,00	9,3	229	4600
AQ231B	1987	1989	4	V8	95,00	88,4	5,00	9,3	229	4600
AQ240A	1976	1977	4	V8	101,60	88,9	5,75	8,0	225	4400
AQ255A	1977	1978	4	V8	101,60	88,4	5,73	9,0	255	4400
AQ255B	1978	1978	4	V8	101,60	88,4	5,73	8,5	255	4400
AQ260A	1979	1985	4	V8	101,60	88,4	5,73	8,5	260	4400
AQ260B	1985	1986	4	V8	101,60	88,4	5,73			
AQ271A	1986	1986	4	V8	101,60	88,4	5,73	9,3	270	4600
AQ271B	1986	1986	4	V8	101,60	88,4	5,73			
AQ271C	1986	1989	4	V8	101,60	88,4	5,73	9,3	275	4600
AQ280A	1978	1979	4	V8	101,60	88,4	5,73	9,0	280	4400
AQ290A	1979	1985	4	V8	101,60	88,4	5,73	9,0	290	5200
AQ311A	1986	1987	4	V8	101,60	88,4	5,73	9,3	307	5200
AQ311B	1987	1989	4	V8	101,60	88,4	5,73	9,3	307	5200
AQ80	1958	1963	4	4	79,37	80	1,60	8,2	80	
AQ80S	1961	1963	4	4	79,37	80	1,60	8,2	88	
AQ90	1962	1964	4	4	84,14	80	1,78	7,6	90	
AQ95	1964	1966	4	4	84,14	80	1,78	10,0	95	
AQ95A	1966	1968	4	4	84,14	80	1,78	9,7	95	

## Hesselman engines

A4H	1952		4	4	104,78	130	4,48	6,2	48	1500
FCH6		1948	4	6	92,07	110	4,39	6,1	30-70	1000-2600
FCH61	1948	1951	4	6	92,07	110	4,39	6,1	30-70	1000-2600

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*	RPM rpm
HA6		1936	4	6	88,90	110	4,10	6	26-42	1000-1800
P42	1933	1934	4	4	115,00	144	5,98	6	35-50	1000-1500
P43	1934	1937	4	4	115,00	144	5,98	6	45-55	1000-1500
P62		1935	4	6	115,00	144	8,97	6	50-75	1000-1500
P63	1935	1941	4	6	115,00	144	8,97	6,2	65-100	1000-1800
R6		1947	4	6	127,00	144	10,94	6,3	85-140	1000-1800
<b>Aquamatic kerosene engines</b>										
AQ60F	1962	1968	4	4	84.14	80	1,78	6	60	
<b>Inboard gasoline engines</b>										
A2		1930	4	2	85,00	120	1,36		7-10	800-1200
A2	1930	1936	4	2	87,00	125	1,49	4,64	8-12	800-1200
A4		1930	4	4	85,00	120	2,72		12-15	700-1500
A4	1930	1936	4	4	87,00	125	2,97	4,64(5,3)	16-24	800-1200
A6		1958	4	6	95,25	110	4,70	6,2	100	2500
B1		1917	4	1	94,00	110	0,76		3,5	800
B2		1917	4	2	94,00	110	1,53		7	800
B4		1920	4	4	94,00	110	3,05		15	800
BB4		1951	4	4	75,00	80	1,42	6,2	16,35	1300-3200
B16A		1964	4	4	79,37	80	1,60	7,4	50	3500
B18B		1966	4	4	84,14	80	1,78	7,6	40-85	2000-4500
B18C		1967	4	4	84,14	80	1,78	7,6	49	3000
BB25(B4)		1957	4	4	79,37	80	1,58	7,4	32	2200
BB25(B16)	1957	1963	4	4	79,37	80	1,58	7,4	32	2200
BB25X		1958	4	4	75,00	80	1,42	6,5	35	3200
BB30B	1963	1969	4	4	84,14	80	1,78	6,0	45	3000
BB30F		1966	4	4	84,14	80	1,78			

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
BB41	1951	1957	4	4	75,00	80	1,42	6,5(7,3)	40	3500
BB43	1951	1957	4	4	75,00	80	1,42	7,3	40	3500
BB50		1956	4	4	75,00	80	1,42	7,7	50	3500
BB70	1958	1962	4	4	79,37	80	1,60	8,2	65	4000
BB1090	1963	1968	4	4	84,14	80	1,78	10,0	63-100	3000-5000
BB100A		1969	4	4	84,14	80	1,78	9,7	100	5000
BB115A	1969	1970	4	4	88,90	80	1,99	8,4	115	5000
BB115B	1970	1975	4	4	88,90	80	1,99	8,4	115	5000
BB115C	1975	1977	4	4						
BB120	1978	1980	4	4	92,00	80	2,13	9,3	110	5000
BB125	1981	1983	4	4						
BB125A	1983	1984	4	4	92,00	80	2,13	9,3		4800
BB125B	1984	1985	4	4						
BB140A	1975	1979	4	4	92,00	80	2,13	9,3	125	5500
BB145A	1979	1985	4	4	96,00	80	2,31		138	5500
BB165A		1969	4	6	88,90	80	2,98	9,2	165	5000
BB170A	1969	1972	4	6	88,90	80	2,98	9,5	170	5000
BB170B	1972	1973	4	6	88,90	80	2,98	9,5	170	5000
BB170C	1973	1978	4	6						
BB231A	1987	1987	4							
BB260	1987	1987	4							
BB260B	1985	1986	4							
BB260C	1986	1987	4							
BB261A	1988	1989	4							
BB740A	1989	1992	4							
C2	1952	1956	4	2	84,14	90	1,00	6,15	11	1500
C4		1931	4	4	110,00	130	4,94	4,7	24-30	800-1000

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.



Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
C5	1953	1969	4	1	78,00	92	0,40	5,6	5	1600
C6		1931	4	6	110,00	130	7,40	4,7	36-45	800-1000
C10	1963	1969	4	2	78,00	92	0,88	5,6	10	1600
C23	1956	1964	4	2	87,13	90	1,08	6,5	8-14	1000-1800
D4		1927	4	4	140,00	250	15,39		48-60	500-625
D6		1919	4	6	140,00	250	23,09		72-90	500-625
DC6		1936	4	6	88,90	110	4,10	5,2	30-75	1000-2500
E3		1926	4	3	92,00	125	2,49	4,32	11-12,5	800-1000
E4		1926	4	4	92,00	125	3,32	4,32	15-17	800-1000
E6		1929	4	6	92,00	125	4,99	4,32	24-30	800-1100
EB6		1930								
EC6		1947	4	6	84,14	110	3,67	5,5(6,05)	30-75	1200-3000
EC61		1951	4	6	84,14	110	3,67	5,5(6,05)	30-75	1200-3000
ED6	1951	1963	4	6	84,14	110	3,67	6,5	30-84	1000-3000
EF4		1951	4	4	92,07	110	2,40	6,0	20-52	1000-2500
F1		1947	2	1	92,07	90	0,67	3,7	3,5	1000
FC6		1947	4	6	92,07	110	4,39	5,25	90	3000
F11		1952	2	1	92,07	90	0,67	3,7	3,5	1000
F12		1958	2	1	92,07	90	0,67	5,2	5,5	1350
F12A		1959	2	1	92,07	90	0,67	5,2	5,5	1350
K1		1935	4	1	88,90	110	0,68	4,7	3,5-5	800-1100
K2		1935	4	2	88,90	110	1,37	4,7	7-10	800-1100
K11	1935	1949	4	1	88,90	110	0,68	4,7	3,5-5	800-1100
K21	1935	1938	4	2	88,90	110	1,37	4,7	7-10	800-1100
K22	1938	1951	4	2	88,90	110	1,37	4,7	7-10	800-1100
L2		1935	4	2	70,00	96	0,74	4,8	5-6	1000-1200
L4		1935	4	4	70,00	96	1,48	4,8	10-15	1000-1500

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
L6		1933	4	6	70,00	96	2,20	4,8	15-30	1000-2100
L41	1935	1947	4	4	75,00	96	1,70	5,4	12-18	1100-1800
MO(Z1)		1920	2	1	55,00	60	0,14		1	1000
M1-BM1		1932	4	1	85,00	100	0,57	4,8	2,5-3	800-1000
M2-AM2-BM2		1932	4	2	85,00	100	1,14	4,8	5-6	800-1000
M4-AM4-BM4		1932	4	4	85,00	100	2,27	4,8	10-12	800-1000
MB2A	1975	1982	4	2	56,00	40	0,20	8,6	7,5	5000
MB10A	1971	1977	4	2	88,90	82	1,02	6,5	15	2000
MB10A/110S	1971	1977	4	2	88,00	82	1,02	6,5	15	2000
MB16A		1964	4	4	79,37	80	1,60	7,4	22-50	1500-3500
MB18B	1963	1967	4	4	84,14	80	1,78	7,6	85	4500
MB18F	1963	1968	4	4	84,14	80	1,78			
MB20A	1969	1971	4	4	88,90	80	1,99	8,4	53	3000
MB20B	1969	1975	4	4	88,90	80	1,99			
MB36A		1964	4	V8	84,14	80	3,56	7,6	72-120	2000-4000
MB36B	1964	1965	4	V8	84,14	80	3,60	9,5	72-180	2000-5000
P4	1931	1934	4	4	115,00	144	5,98	4,8	40-60	1000-1500
P6	1931	1934	4	6	115,00	144	8,97	4,8	60-90	1000-1500

### Inboard kerosene engines

A2		1930	4	2	85,00	120	1,36		5,5-8	800-1200
A2	1930	1936	4	2	87,00	125	1,49	3,83	6,5-9,5	800-1200
A4		1930	4	4	85,00	120	2,72		9,5-12	
A4	1930	1936	4	4	87,00	125	2,97	3,83	13-19	800-1200
A6		1958	4	6	95,25	110	4,70			
B1		1917	4	1	94,00	110	0,76			
B2		1917	4	2	94,00	110	1,53			
B4		1920	4	4	94,00	110	3,05			

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
BB4		1951	4	4	75,00	80	1,42	5,0	25	2500
B16A		1964	4	4	79,37	80	1.60			
B18B		1966	4	4	84,14	80	1,78			
B18C		1967	4	4	84,14	80	1,78			
BB25(B4)		1957	4	4	79,37	80	1,58	5,0	25	2200
BB25(B16)	1957	1963	4	4	79,37	80	1,58	5,0	25	2200
BB25X		1958	4	4	75,00	80	1,42	5,0	25	2500
BB30B	1963	1969	4	4	84,14	80	1,78			
BB30F		1966	4	4	84,14	80	1,78	6,0	45	3000
BB41	1951	1957	4	4	75,00	80	1,42	5,0	25	2500
BB43	1951	1957	4	4	75,00	80	1,42	5,0	25	2500
BB50		1956	4	4	75,00	80	1,42			
C2	1952	1956	4	2	84,14	90	1,00	4,5	9	1500
C4		1931	4	4	110,00	130	4,94	4,0	20	800
C5	1953	1969	4	1	78,00	92	0,40		4	1600
C6		1931	4	6	110,00	130	7,40	4,0	30	800
C10	1963	1969	4	2	78,00	92	0,88		8	1600
C23	1956	1964	4	2	87,13	90	1,08	4,6	6,5-11	1000-1800
D4		1927	4	4	140,00	250	15,39		42	500
D6		1919	4	6	140,00	250	23,09		63	500
DC6		1936	4	6	88,90	110	4,10			
E3		1926	4	3	92,00	125	2,49	3,86	10-11,5	800-1000
E4		1926	4	4	92,00	125	3,32	3,86	14-16	800-1000
E6		1929	4	6	92,00	125	4,99	3,86	22-25	800-1000
EB6		1930								
EC6		1947	4	6	84,14	110	3,67		27-58	1200-2600
EC61		1951	4	6	84,14	110	3,67		27-58	1200-2600

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp (*)	RPM rpm
ED6	1951	1963	4	6	84,14	110	3,67	4,8	31-60	1200-2500
EF4	1951		4	4	92,07	110	2,40		26-32	1600-2000
F1	1947		2	1	92,07	90	0,67	3,7	3,5	1000
FC6	1947		4	6	92,07	110	4,39			
F11	1952		2	1	92,07	90	0,67	3,7	3,5	1000
F12	1958		2	1	92,07	90	0,67	5,2	5,5	1350
F12A	1959		2	1	92,07	90	0,67	5,2	5,5	1350
K1	1935		4	1	88,90	110	0,68	4,2	3-4,5	800-1100
K2	1935		4	2	88,90	110	1,37	4,2	6-9	800-1100
K11	1935	1949	4	1	88,90	110	0,68	4,2	3-4,5	800-1100
K21	1935	1938	4	2	88,90	110	1,37	4,2	6-9	800-1100
K22	1938	1951	4	2	88,90	110	1,37	4,2	6-9	00-1100
L2	1935		4	2	70,00	96	0,74	4,4	4-5	1000-1250
L4	1935		4	4	70,00	96	1,48	4,4	8-10	1000-1250
L6	1933		4	6	70,00	96	2,20			
L41	1935	1947	4	4	75,00	96	1,70	4,8	10-12	1100-1500
MO(Z1)	1920		2	1	55,00	60	0,14			
M1-BM1	1932		4	1	85,00	100	0,57	3,8	2-2,5	800-1000
M2-AM2-BM2	1932		4	2	85,00	100	1,14	3,8	4,5	800-1000
M4-AM4-BM4	1932		4	4	85,00	100	2,27	3,8	8-10	800-1000
MB2A	1975	1982	4	2	56,00	40	0,20			
MB10A	1971	1977	4	2	88,90	82	1,02			
MB10A/110S	1971	1977	4	2	88,90	82	1,02			
MB16A	1964		4	4	79,37	80	1,60	5,0	17-27	1500-2500
MB18B	1963	1967	4	4	84,14	80	1,78			
MB18F	1963	1968	4	4	84,14	80	1,78	6,0	56	4500
MB20A	1969	1971	4	4	88,90	80	1,99			

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

Engine type	Manufacturing start	Manufacturing finish	Cycle-no.	Cyl.	Cyl diam. mm	Stroke-length mm	Stroke-volume for dm <sup>3</sup>	Compr.	Output hp <sup>*</sup>	RPM rpm
MB20B	1969	1975	4	4	88,90	80	1,99	5,0	42	3000
MB36A		1964	4	V8	84,14	80	3,56			
MB36B	1964	1965	4	V8	84,14	80	3,60			
P4	1931	1934	4	4	115,00	144	5,98	3,9	34-40	1000-1200
P6	1931	1934	4	6	115,00	144	8,97	3,9	50-60	1000-1200

\*) Measured at flywheel. For the 6 cylinder diesel engines of later production and also MD42A, the output is given partly for intermittent operation, partly for continuous (heavy) operation. The output for pleasure craft and for other installations (light operation) are alternatives, given when required. For complete output information, refer to the sales literature.

