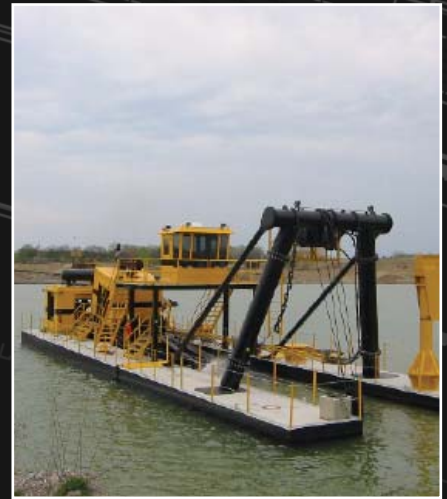




MARLIN Underwater Pump Mining Dredge diesel

The Marlin Class underwater pump mining dredge was designed to meet the needs of deep mining deposits as an efficient tool to excavate materials. With discharge sizes ranging from 8" (203mm) to 24" (+) (610mm), the Marlin offers an array of production ranges and flow conditions. Since each Marlin is designed specifically for a particular deposit, the digging depths can range from 35' (10m) to 200-feet (+) (61m). The deep digging depth is made possible by the use of an underwater pump system with a high torque cutter drive assembly. To complement the rigorous demands of deep mining, the Marlin offers the most intense dredge design and is clearly unmatched in the dredging industry.



General: all dredges feature a PLC based operating system, magnetic flow meter, electro-proportional hydraulic circuits, hi-capacity service water system, Maximizer suction dilution valves, in-line direct marine style transmission for dredge pump reduction, Caterpillar ACERT engines with Premium Gauge packages and 3-wire mooring system. Detailed specifications available upon model # determination.



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SERIES MA-5450-D**MODEL MA-5450-56D****MODEL MA-5450-76D****MODEL MA-5450-96D**

MAX DREDGING DEPTH	56' (17.1m)	76' (23.2m)	96' (29.3m)
OVERALL LENGTH	101' (30.8m)	127' (38.7m)	152' (46.3m)
OVERALL WIDTH	40' (12.2m)	40' (12.2m)	40' (12.2m)
PRIME MOVER	Caterpillar C18 ACERT	Caterpillar C18 ACERT	Caterpillar C18 ACERT
PRIME MOVER POWER	630hp (470kW)	630hp (470kW)	630hp (470kW)
AUXILLARY ENGINE TYPE	Caterpillar ACERT	Caterpillar ACERT	Caterpillar ACERT
AUXILLARY ENGINE MODEL	C9 - C15	C9 - C15	C9 - C15
AUXILLARY ENGINE POWER	350hp (261kW) - 540hp (403kW)	350hp (261kW) - 540hp (403kW)	350hp (261kW) - 540hp (403kW)
DREDGE PUMP	12x10-36 (305mm x 254mm - 914mm)	12x10-36 (305mm x 254mm - 914mm)	12x10-36 (305mm x 254mm - 914mm)
NOMINAL FLOW RATE	5,450 GPM (343.8 lps)	5,450 GPM (343.8 lps)	5,450 GPM (343.8 lps)
CUTTER POWER RANGE	130hp (97kW) - 200hp (149kW)	130hp (97kW) - 200hp (149kW)	130hp (97kW) - 200hp (149kW)
LADDER WINCH RATING	21.1 kips (94 kN)	21.1 kips (94 kN)	39.7 kips (176.6 kN)
SWING WINCH RATING	18 kips (79 kN) - 21 kips (94 kN)	18 kips (79 kN) - 21 kips (94 kN)	18 kips (79 kN) - 21 kips (94 kN)
STERN WINCH RATING	18 kips (79 kN) - 21 kips (94 kN)	18 kips (79 kN) - 21 kips (94 kN)	18 kips (79 kN) - 21 kips (94 kN)

SERIES MA-6850-D**MODEL MA-6850-56D****MODEL MA-6850-76D****MODEL MA-6850-96D**

MAX DREDGING DEPTH	56' (17.1m)	76' (23.2m)	96' (29.3m)
OVERALL LENGTH	101' (30.8m)	127' (38.7m)	152' (46.3m)
OVERALL WIDTH	40' (12.2m)	40' (12.2m)	40' (12.2m)
PRIME MOVER	Caterpillar C27 ACERT	Caterpillar C27 ACERT	Caterpillar C27 ACERT
PRIME MOVER POWER	800hp (597kW)	800hp (597kW)	800hp (597kW)
AUXILLARY ENGINE TYPE	Caterpillar ACERT	Caterpillar ACERT	Caterpillar ACERT
AUXILLARY ENGINE MODEL	C9 - C18	C9 - C18	C9 - C18
AUXILLARY ENGINE POWER	350hp (261kW) - 630hp (470kW)	350hp (261kW) - 630hp (470kW)	350hp (261kW) - 630hp (470kW)
DREDGE PUMP	14x12-40 (356mm x 305mm - 1016mm)	14x12-40 (356mm x 305mm - 1016mm)	14x12-40 (356mm x 305mm - 1016mm)
NOMINAL FLOW RATE	6,850 GPM (432.2 lps)	6,850 GPM (432.2 lps)	6,850 GPM (432.2 lps)
CUTTER POWER RANGE	200hp (149kW) - 300hp (224kW)	200hp (149kW) - 300hp (224kW)	200hp (149kW) - 300hp (224kW)
LADDER WINCH RATING	21.1 kips (94 kN)	21.1 kips (94 kN) - 40 kips (177 kN)	39.7 kips (176.6 kN)
SWING WINCH RATING	21 kips (94 kN) - 26 kips (117 kN)	21 kips (94 kN) - 26 kips (117 kN)	21 kips (94 kN) - 26 kips (117 kN)
STERN WINCH RATING	21 kips (94 kN)	21 kips (94 kN)	21 kips (94 kN)

SERIES MA-7600-D**MODEL MA-7600-56D****MODEL MA-7600-76D****MODEL MA-7600-96D**

MAX DREDGING DEPTH	56' (17.1m)	76' (23.2m)	96' (29.3m)
OVERALL LENGTH	101' (30.8m)	127' (38.7m)	152' (46.3m)
OVERALL WIDTH	40' (12.2m)	40' (12.2m)	40' (12.2m)
PRIME MOVER	Caterpillar C32 ACERT	Caterpillar C32 ACERT	Caterpillar C32 ACERT
PRIME MOVER POWER	950hp (709kW)	950hp (709kW)	950hp (709kW)
AUXILLARY ENGINE TYPE	Caterpillar ACERT	Caterpillar ACERT	Caterpillar ACERT
AUXILLARY ENGINE MODEL	C9 - C27	C9 - C27	C9 - C27
AUXILLARY ENGINE POWER	350hp (261kW) - 950hp (709kW)	350hp (261kW) - 950hp (709kW)	350hp (261kW) - 950hp (709kW)
DREDGE PUMP	16x14-40 (406mm x 357mm - 1016mm)	16x14-40 (406mm x 357mm - 1016mm)	16x14-40 (406mm x 357mm - 1016mm)
NOMINAL FLOW RATE	7,600 GPM (479.5 lps)	7,600 GPM (479.5 lps)	7,600 GPM (479.5 lps)
CUTTER POWER RANGE	200hp (149kW) - 400hp (298kW)	200hp (149kW) - 400hp (298kW)	200hp (149kW) - 400hp (298kW)
LADDER WINCH RATING	21 kips (94 kN)	21 kips (94 kN) - 40 kips (177 kN)	39.7 kips (176.6 kN)
SWING WINCH RATING	21 kips (94 kN) - 40 kips (177 kN)	21 kips (94 kN) - 40 kips (177 kN)	21 kips (94 kN) - 40 kips (177 kN)
STERN WINCH RATING	21 kips (94 kN) - 26 kips (117 kN)	21 kips (94 kN) - 26 kips (117 kN)	21 kips (94 kN) - 26 kips (117 kN)

SERIES MA-9300-D**MODEL MA-9300-56D****MODEL MA-9300-76D****MODEL MA-9300-96D**

MAX DREDGING DEPTH	56' (17.1m)	76' (23.2m)	96' (29.3m)
OVERALL LENGTH	101' (30.8m)	127' (38.7m)	152' (46.3m)
OVERALL WIDTH	40' (12.2m)	40' (12.2m)	40' (12.2m)
PRIME MOVER	Caterpillar 3508B	Caterpillar 3508B	Caterpillar 3508B
PRIME MOVER POWER	100hp (746kW)	100hp (746kW)	100hp (746kW)
AUXILLARY ENGINE TYPE	Caterpillar ACERT	Caterpillar ACERT	Caterpillar ACERT
AUXILLARY ENGINE MODEL	C15 - C27	C15 - C27	C15 - C27
AUXILLARY ENGINE POWER	540hp (403kW) - 950hp (709kW)	540hp (403kW) - 950hp (709kW)	540hp (403kW) - 950hp (709kW)
DREDGE PUMP	18x16-40 (457mm x 406mm - 1016mm)	18x16-40 (457mm x 406mm - 1016mm)	18x16-40 (457mm x 406mm - 1016mm)
NOMINAL FLOW RATE	9,300 GPM (586.7 lps)	9,300 GPM (586.7 lps)	9,300 GPM (586.7 lps)
CUTTER POWER RANGE	300hp (224kW) - 400hp (298kW)	300hp (224kW) - 400hp (298kW)	300hp (224kW) - 400hp (298kW)
LADDER WINCH RATING	21 kips (94 kN)	39.7 kips (176.6 kN)	39.7 kips (176.6 kN)
SWING WINCH RATING	26 kips (117 kN) - 40 kips (177 kN)	26 kips (117 kN) - 40 kips (177 kN)	26 kips (117 kN) - 40 kips (177 kN)
STERN WINCH RATING	21 kips (94 kN) - 26 kips (117 kN)	21 kips (94 kN) - 26 kips (117 kN)	21 kips (94 kN) - 26 kips (117 kN)