



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-5450-130-D

12" (305 mm) Suction x 12" (305 mm) Discharge

	MODEL MA-5450-130-56D	MODEL MA-5450-130-76D	MODEL MA-5450-130-96D
OVERALL LENGTH	101 ft (30.8 m)	127 ft (38.7 m)	152 ft (46.3 m)
OVERALL WIDTH	40 ft (12.2 m)	40 ft (12.2 m)	40 ft (12.2 m)
DREDGING DEPTH	56 ft (17.1 m)	76 ft (23.2 m)	96 ft (29.3 m)
PRIME MOVER	700 hp Tier 3 (522 kW Stage IIIA)	700 hp Tier 3 (522 kW Stage IIIA)	700 hp Tier 3 (522 kW Stage IIIA)
AUXILIARY ENGINE	275 hp Tier 3 (205 kW Stage IIIA)	275 hp Tier 3 (205 kW Stage IIIA)	275 hp Tier 3 (205 kW Stage IIIA)
DREDGE PUMP	36 in (914 mm) impeller	36 in (914 mm) impeller	36 in (914 mm) impeller
CUTTER POWER	130 hp (97 kW)	130 hp (97 kW)	130 hp (97 kW)
LADDER LIFT	winch	winch	winch
SWING WINCHES	22,250 lbf (99 kN)	22,250 lbf (99 kN)	22,250 lbf (99 kN)
STERN MOORING	winch	winch	winch

SERIES MA-7650-200-D

14" (356 mm) Suction x 14" (356 mm) Discharge

	MODEL MA-7650-200-56D	MODEL MA-7650-200-76D	MODEL MA-7650-200-96D
OVERALL LENGTH	101 ft (30.8 m)	127 ft (38.7 m)	152 ft (46.3 m)
OVERALL WIDTH	40 ft (12.2 m)	40 ft (12.2 m)	40 ft (12.2 m)
DREDGING DEPTH	56 ft (17.1 m)	76 ft (23.2 m)	96 ft (29.3 m)
PRIME MOVER	950 hp Tier 2 (709 kW)	950 hp Tier 2 (709 kW)	950 hp Tier 2 (709 kW)
AUXILIARY ENGINE	350 hp Tier 3 (261 kW Stage IIIA)	350 hp Tier 3 (261 kW Stage IIIA)	350 hp Tier 3 (261 kW Stage IIIA)
DREDGE PUMP	40 in (1016 mm) impeller	40 in (1016 mm) impeller	40 in (1016 mm) impeller
CUTTER POWER	200 hp (149 kW)	200 hp (149 kW)	200 hp (149 kW)
LADDER LIFT	winch	winch	winch
SWING WINCHES	28,350 lbf (126 kN)	28,350 lbf (126 kN)	28,350 lbf (126 kN)
STERN MOORING	winch	winch	winch

SERIES MA-10300-300-D

16" (406 mm) Suction x 16" (406 mm) Discharge

	MODEL MA-10300-300-56D	MODEL MA-10300-300-76D	MODEL MA-10300-300-96D
OVERALL LENGTH	101 ft (30.8 m)	127 ft (38.7 m)	152 ft (46.3 m)
OVERALL WIDTH	40 ft (12.2 m)	40 ft (12.2 m)	40 ft (12.2 m)
DREDGING DEPTH	56 ft (17.1 m)	76 ft (23.2 m)	96 ft (29.3 m)
PRIME MOVER	1125 hp Tier 2 (839 kW)	1125 hp Tier 2 (839 kW)	1125 hp Tier 2 (839 kW)
AUXILIARY ENGINE	540 hp Tier 3 (403 kW Stage IIIA)	540 hp Tier 3 (403 kW Stage IIIA)	540 hp Tier 3 (403 kW Stage IIIA)
DREDGE PUMP	44 in (1118 mm) impeller	44 in (1118 mm) impeller	44 in (1118 mm) impeller
CUTTER POWER	300 hp (224 kW)	300 hp (224 kW)	300 hp (224 kW)
LADDER LIFT	winch	winch	winch
SWING WINCHES	43,350 lbf (193 kN)	43,350 lbf (193 kN)	43,350 lbf (193 kN)
STERN MOORING	winch	winch	winch

SERIES MA-13500-400-D

18" (457 mm) Suction x 18" (457 mm) Discharge

	MODEL MA-13500-400-56D	MODEL MA-13500-400-76D	MODEL MA-13500-400-96D
OVERALL LENGTH	101 ft (30.8 m)	127 ft (38.7 m)	152 ft (46.3 m)
OVERALL WIDTH	40 ft (12.2 m)	40 ft (12.2 m)	40 ft (12.2 m)
DREDGING DEPTH	56 ft (17.1 m)	76 ft (23.2 m)	96 ft (29.3 m)
PRIME MOVER	1125 hp Tier 2 (839 kW)	1125 hp Tier 2 (839 kW)	1125 hp Tier 2 (839 kW)
AUXILIARY ENGINE	700 hp Tier 3 (522 kW Stage IIIA)	700 hp Tier 3 (522 kW Stage IIIA)	700 hp Tier 3 (522 kW Stage IIIA)
DREDGE PUMP	46 in (1168 mm) impeller	46 in (1168 mm) impeller	46 in (1168 mm) impeller
CUTTER POWER	400 hp (298 kW)	400 hp (298 kW)	400 hp (298 kW)
LADDER LIFT	winch	winch	winch
SWING WINCHES	43,350 lbf (193 kN)	43,350 lbf (193 kN)	43,350 lbf (193 kN)
STERN MOORING	winch	winch	winch