

**mody**

**ELECTRIC  
SUBMERSIBLE  
SLURRY  
PUMPS**

**MHC SERIES**

**PORTABLE  
2 - 150 HP  
1.5 kW - 110 kW**

**DISCHARGE  
SIZES  
3", 4", 6",  
& 8"  
75, 100, 150,  
& 200 mm**

**RPM  
1800 - 60 Hz  
1450 - 50 Hz**

**mody  
Pumps**



**28% HI-CHROME  
SLURRY  
SUBMERSIBLE PUMPS**



**Electric Submersible  
Slurry Pumps  
MHC Series  
28% Hi-chrome**

The MHC Pumps are designed for portable slurry applications with optional agitator and water jet attachments.



SPECIFICATIONS	MHC 3"	MHC 4"	MHC 6"	MHC 8"
HP (kW) Range	2 (1.5) - 20 (15)	7.5 (5.5) - 10 (7.5)	7.5 (5.5) - 30 (22)	15 (11) - 150 (110)
pH Range	5 - 12	5 - 12	5 - 12	5 - 12
Max Flow Range - gpm (m3/h)	600 (136)	500 (114)	1350 (306)	2800 (636)
Max Shut-off Head - ft (m)	134 (41)	82 (25)	115 (35)	240 (73)
Discharge Size - inches (mm)	3 (75)	4 (100)	6 (150)	8 (200)
Max Solid Handling - inches (mm)	0.8 (20) - 1.2 (30.5)	1.4 (35.5)	1.4 (35.5) - 2.4 (61)	1.8 (45.7) - 3.0 (76)
Impeller Type: Two Vane Semi-Open	Yes	Yes	Yes	Yes
Max Temp of Pumped Fluid - F / C	104° F / 40° C	104° F / 40° C	104° F / 40° C	104° F / 40° C
Max Starts / Stops per Hour	15	15	15	15
Max Submergence - ft (m)	65 (20)	65 (20)	65 (20)	65 (20)
<b>Motor / Squirrel Cage Motor:</b>				
Insulation Class 'H'	Yes	Yes	Yes	Yes
Air Filled Motor (15 min in air)	Yes	Yes	Yes	Yes
Die Cast Aluminum Rotor	Yes	Yes	Yes	Yes
Thermal Overload Protection*	Yes	Yes	Yes	Yes
Moisture Sensor	Yes	Yes	Yes	Yes
Speed - rpm	1800 / 1450	1800 / 1450	1800 / 1450	1800 / 1450
Power Supply 460v - 400v +/-6% - 60/50Hz	3 phase	3 phase	3 phase	3 phase
Power & Moisture Sensor Cables* - ft (m)	25 (8)	25 (8)	25 (8)	25 (8)
Bearings	Ball / Angular	Ball / Angular	Ball / Angular	Roller / Angular
Double Mechanical Seals	Yes	Yes	Yes	Yes
* Controls Required				

MATERIALS OF CONSTRUCTION				OPTIONS:
Stator Casing	ASTM A-48	Mech. Seals:	Nitrile Elastomers	<ul style="list-style-type: none"> <li>• Viton Fitted Components</li> <li>• Agitator</li> <li>• Agitator Water Jet Ring</li> <li>• Dry Run Motors with Cooling Jackets</li> <li>• Additional Cable Lengths</li> <li>• FM App Exp Proof, Class 1, Div.1, Groups C &amp; D Motors</li> </ul>
Pump Casing	28% Hi-Chrome	Outer	SC/SC	
Impeller	28% Hi-Chrome	Inner	SC/SC	
Suction Cover	28% Hi-Chrome	O' Rings	Nitrile Rubber	
Agitator	28% Hi-Chrome	Hardware	Stainless Steel	
Shaft	400 SS Series			



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