

MS6000C

6" Submersible Motors



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A closer look at the MS6000C

THRUST BEARING

High capacity thrust bearings provide long life durability even on the toughest conditions.

HP	Pound-Force (lbf)
7.5	1,686
10	1,686
15	6,070
20	6,070
25	6,070
30	6,070
40	6,070

ROBUST STAINLESS STEEL

Engineered design with robust and proven corrosion resistant 304 Stainless Steel motor exterior as standard, 904L Stainless Steel is optional for highly aggressive water applications.

EN Rating	AISI Rating
1.4301	304
1.4539	904L

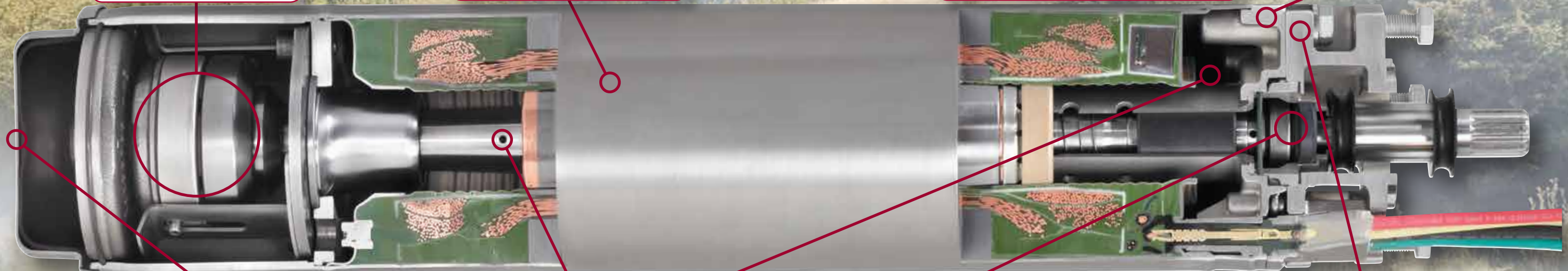
INCREASED TEMPERATURE RATING

T40 rating indicates the increased ambient water temperature rating to 104°F (40°C) that withstands higher temp rating which provides durability and longer life of the motor in lower flow, closed loop, and warmer water applications. Use of FDA food grade approved SML-3 motor fluid provides frost and corrosion protection. T40 is standard, T60 is optional.

Temp Rating	Max. Temp	Min. Temp
T40	104°F (40°C)	-4°F (-20°C)
T60	140°F (60°C)	-4°F (-20°C)

CAST STAINLESS STEEL ENDBELL

Cast 304 Stainless Steel endbell with NEMA Standard for a solid frame mount of the flange.



RUGGED SLIM DIAMETER

Stainless Steel endbell gives rugged protection going down the well while smaller diameter motor is easier to install.

COOLING AND CIRCULATION

Excellent cooling and circulation characteristics include hollow shaft, flow friendly internal design, and large internal capacity allows better cooling and longer motor life.

SHAFT SEAL

Shaft seals are with a durable Silicon / Silicon seal faces and use NBR rubber to stand up to abrasive materials making for a long seal life.

FLANGE

Robust cast 304 Stainless Steel NEMA Standard flange added to top of motor to assure motor replacements in the field will mount onto any pump in the industry pulled from the well.

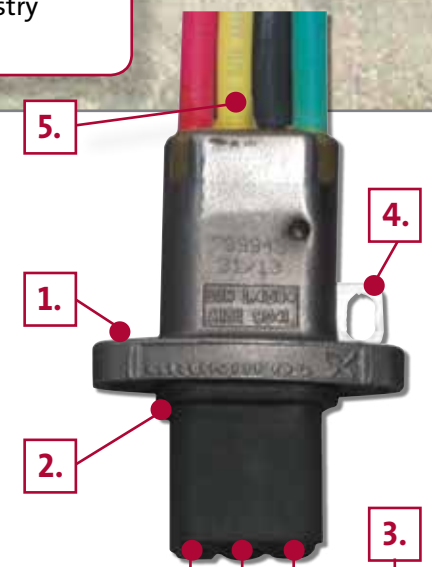
MS6000C

The MS6000C series cover a range of water supply applications that require power from 7.5 to 40 HP, 3-phase.

All external surfaces of Grundfos MS motors in contact with water are made of stainless steel DIN W. Nr. 1.4301 (AISI 304) unless otherwise specified R-versions made from DIN W. Nr. 1.4539 (AISI 904 L) are also available for aggressive water. MS motors are fitted with a built-in Tempcon sensor to prevent overheating – a solution which together with a Grundfos MP 204 eliminates the need for external temperature sensors.

CABLE CONNECTION SEAL

1. Two bolt stainless steel connection frame for absolute solid mounting and protection
2. Primary compression lip seals the lead and motor from external fluids
3. Pliable secondary seal contains 3-Wire connections to motor for reliable, long lasting seal
4. Ground Tab bolts to flange on motor for premium grounding
5. 3-Wire plus ground wire all fully potted in connection body for a complete and reliable seal





MS6

MS6000C

Phase	Voltage	HP	SS #	Seal	Rubber	MS6 Material #	MS6000C Material #
3	208-230	7.5	304	Sic/Sic	NBR	96168783	96166181
3	208-230	10	304	Sic/Sic	NBR	96168784	96166182
3	208-230	15	304	Sic/Sic	NBR	96168786	96166184
3	208-230	20	304	Sic/Sic	NBR	96168788	96166186
3	208-230	25	304	Sic/Sic	NBR	96168789	96166187
3	208-230	30	304	Sic/Sic	NBR	96168790	96166188
3	440-460	7.5	304	Sic/Sic	NBR	96168763	96166161
3	440-460	10	304	Sic/Sic	NBR	96168764	96166162
3	440-460	15	304	Sic/Sic	NBR	96168766	96166164
3	440-460	20	304	Sic/Sic	NBR	96168768	96166166
3	440-460	25	304	Sic/Sic	NBR	96168769	96166167
3	440-460	30	304	Sic/Sic	NBR	96168770	96166168
3	440-460	40	304	Sic/Sic	NBR	96168772	96166170

Comparison from MS6 to MS6000C	
MS6	MS6000C

Temperature	
T30	T40
86° F / 30° C	104° F / 40° C

Shaft Seal	
SiC / SiC	SiC / SiC
NBR	NBR

Embedding Material	
Sand added to Epoxy	Aluminum Oxide added to Epoxy

Thrust Bearing	
7.5 and 10 HP	
7.5 kN / 1,686 ft. lbs.	7.5 kN / 1,686 ft. lbs.
15, 20, 25, 30 and 40 HP	
27.5 kN / 6182 ft. lbs.	27 kN / 6,070 ft. lbs.

Pump Mount	
NEMA	NEMA with Flange

Stainless Steel	
304 Standard	304 Standard
904L Optional	904L Optional

Cable Connection	
3-Wire Plus Ground	3-Wire Plus Ground
Premium Quality	Premium Quality
Included with Motor	Included with Motor
Available Separately	Available Separately

Diameter	
5.63 in. / 143 mm	5.49 in. / 139.5 mm

Agency Approval	
cCSAus	cCSAus

Pricing	
Feb. 1st 2014 List Price	Feb. 1st 2014 List Price

L-MS-SL-002 Rev.7/14 (US)

GRUNDFOS Kansas City
17100 West 118th Terrace
Olathe, Kansas 66061
Phone: (913) 227-3400
Fax: (913) 227-3500

www.grundfos.us

GRUNDFOS Canada
2941 Brighton Road
Oakville, Ontario
L6H 6C9
Phone: (905) 829-9533
Fax: (905) 829-9512

www.grundfos.ca

GRUNDFOS Mexico
Boulevard TLC No. 15
Parque Industrial Stiva Aeropuerto
C.P. 66600 Apodaca, N.L. Mexico
Phone: 011-52-81-8144 4000
Fax: 011-52-81-8144 4010

www.grundfos.mx

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