

OP3 SERIES

3" OIL FILLED SUBMERSIBLE MOTORS



SMALL SIZE, GREAT QUALITY

Thanks to its range of 3" submersible motors denominated OP3, Sumoto is now able to offer a valid instrument for the solution of problems due to well dimensions.

The OP3-type is the outcome of a consistent design effort arising from the need to solve all the problems linked to reduced space.

The motor still preserves the splined-shaft coupling system typical of the NEMA regulations. The electromechanical specifications are undoubtedly interesting and complying with all application requirements.

Each motor is supplied with a 1.8 mt-long sealed cable directly connected with the winding.

OP3 MOTOR TECHNICAL FEATURES

- Atoxic dielectric liquid cooling
- Axial load to be carried: 1.200 N
- 0,37Kw to 0,75Kw single-phase version
- 0,37Kw to 1,1Kw three-phase version
- F-class insulation - IP 58 protection
- Splined shaft extension for easy coupling
- AISI 303 stainless steel end shaft
- Compensation diaphragm and sand-seal suitable dimensions
- Easy to disassemble and to re-wind
- High-resistance nickelled-cast iron brackets
- Maximum voltage fluctuation admissible versus nominal rated voltage: $\pm 10\%$

OPERATING DATA

50 Hz.

SINGLE PHASE

Type	Thrust Load N	Weight Kg	H mm	kW	Hp	In Amp	Istart Amp	RPM	Cosφ	Ts/Tn	EFF%	μF
OPM 050	1200	6	377	0,37	0,5	3,75	8,8	2800	0,96	0,58	51	16
OPM 075	1200	6,4	397	0,55	0,75	4,50	12,2	2800	0,98	0,54	55	20
OPM 100	1200	6,8	416	0,75	1	5,85	14,5	2800	0,98	0,55	57	25

THREE PHASE

OPT 050	1200	6	377	0,37	0,5	2,00	8,0	2800	0,71	2,1	51	
OPT 075	1200	6,1	377	0,55	0,75	2,10	9,1	2800	0,75	2	56	
OPT 100	1200	6,4	397	0,75	1	2,50	11,7	2800	0,75	2	63	
OPT 150	1200	6,8	416	1,1	1,5	3,20	14,0	2800	0,75	2	63	
OPT 050	1200	6	377	0,37	0,5	3,50	14,0	2800	0,71	2,1	51	
OPT 075	1200	6,1	377	0,55	0,75	3,70	16,0	2800	0,75	2	56	
OPT 100	1200	6,4	397	0,75	1	4,40	20,0	2800	0,75	2	63	
OPT 150	1200	6,8	416	1,1	1,5	5,60	24,0	2800	0,75	2	63	

OPERATING DATA

60 Hz.

SINGLE PHASE

Type	Thrust Load N	Weight Kg	H mm	kW	Hp	In Amp	Istart Amp	RPM	Cosφ	Ts/Tn	EFF%	μF	I _{max} Amp
OPM 050	1200	6	377	0,37	0,5	3,80	9	3400	0,96	0,54	51	12,5	4,3
OPM 075	1200	6,4	397	0,55	0,75	4,60	13	3400	0,98	0,52	55	16	5,1
OPM 100	1200	6,8	416	0,75	1	5,95	15	3400	0,98	0,52	57	25	6,2

THREE PHASE

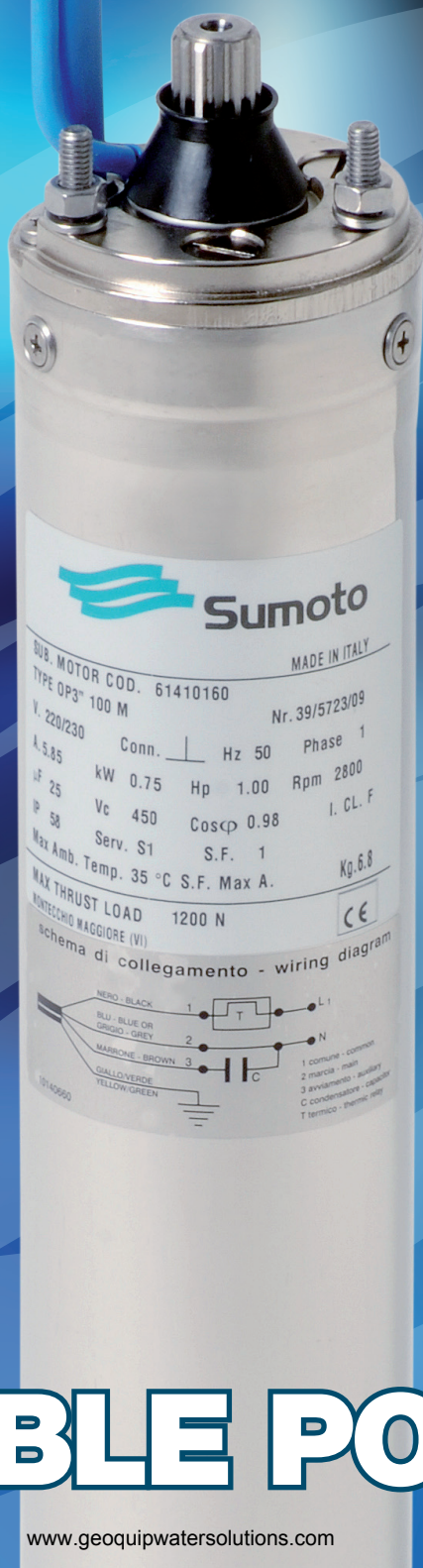
OPT 050	1200	6	377	0,37	0,5	2,10	9	3400	0,71	2	51		2,5
OPT 075	1200	6,1	377	0,55	0,75	2,20	10	3400	0,75	2	56		2,6
OPT 100	1200	6,4	397	0,75	1	2,60	13	3400	0,75	2	63		3,1
OPT 150	1200	6,8	416	1,1	1,5	3,40	15	3400	0,75	2	63		3,8



SINCERT

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Sumoto

SUB. MOTOR COD. 61410160 MADE IN ITALY

TYPE OP3" 100 M Nr. 39/5723/09

V. 220/230 Conn. Hz 50 Phase 1

A. 5.85 kW 0.75 Hp 1.00 Rpm 2800

UF 25 Vc 450 Cosφ 0.98 I. CL. F

IP 58 Serv. S1 S.F. 1

Max Amb. Temp. 35 °C S.F. Max A. Kg. 6.8

MAX THRUST LOAD 1200 N CE

MONTECHIO MAGGIORE (VI)

schema di collegamento - wiring diagram

NERO - BLACK 1 L1
 BLU - BLUE OR GRIGIO - GREY 2 N
 MARRONE - BROWN 3 C
 GIALLO-VERDE - YELLOW-GREEN T

1 comune - common
 2 marcia - start
 3 avviamento - capacitor
 C condensatore - capacitor
 T termico - thermal relay

RELIABLE POWER