

# Submersible motors, three phase, TENV

1 thru 100 Hp

**IP68**



**Features:**

- Continuous duty in water/sewage
- 15 minute in air
- 416 stainless steel shaft
- Dual carbon ceramic mechanical seals
- Two NC thermostats
- 25-foot cable (standard, 250 Frame and up)

- Dual moisture sensing probes
- 1.15 SF
- UL listed, Division 1, Class I, Group C & D, T3C
- Inverter capable for 10:1 variable torque
- UL listed, Division 1, Class I, Group C & D, T2A on Inverter

**Applications:**

- Wet pit applications
- Slurry pumps
- Aerators
- Mixers

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/ Grp	Temp Code	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)	
<b>UL listed, hazardous duty, explosion proof</b>													
1	1800	180TY	SUM70104SM	④	T3C	SU3	25.94	169	63.5	230	3.4	81, 97	
1 1/2	1800	180TY	SUM70154SM	④	T3C	SU3	25.94	175	70.5	230	4.6	81, 97	
2	1800	180TY	SUM70204SM	④	T3C	SU3	25.94	183	73.5	230	5.8	81, 97	
		180TY	SUM70204SM-8	④	T3C	SU3	25.94	182	73.5	200	6.7	81, 97	
3	1800	180TY	SUM70304SM	④	T3C	SU3	25.94	200	78.1	230	8.8	81, 97	
		1200	180TY	SUM70306	④	T3C	SU3	26.66	235	78	230	10.4	81
5	1800	180TY	SUM70504	④	T3C	SU3	26.66	240	80.2	230	14	81	
		180TY	SUM70504-4	④	T3C	SU3	26.66	235	80.2	460	7	81	
		180TY	SUM70504-8	④	T3C	SU3	26.66	235	80.2	200	16.1	81	
		180TY	SUM70504SM-4	④	T3C	SU3	26.66	235	80.2	460	7	81, 97	
		1200	180TY	SUM70506	④	T3C	SU3	26.66	248	80.7	230	16	81
7 1/2	1800	180TY	SUM70754	④	T3C	SU3	26.66	243	82.7	230	20.2	81	
		180TY	SUM70754-4	④	T3C	SU3	26.66	245	82.7	460	10.1	81	
		180TY	SUM70754SM-4	④	T3C	SU3	26.66	245	82.7	460	10.1	81, 97	
		1200	210TY	SUM70756	④	T3C	SU3	31.69	350	81.7	230	22.6	81
		210TY	SUM70756-4	④	T3C	SU3	31.69	350	81.7	460	11.3	10,81	
10	1800	210TY	SUM71004	④	T3C	SU3	31.69	356	85.6	230	26	81	
		210TY	SUM71004-4	④	T3C	SU3	31.69	356	85.6	460	13	81	
		210TY	SUM71004SM-4	④	T3C	SU3	31.69	356	85.6	460	13	81, 97	
		1200	210TY	SUM71006	④	T3C	SU3	31.69	391	83.8	230	28.8	81
		210TY	SUM71006-4	④	T3C	SU3	31.69	391	83.8	460	14.4	10,81	
15	1800	210TY	SUM71504	④	T3C	SU3	31.69	376	85.4	230	40.2	81	
		210TY	SUM71504-4	④	T3C	SU3	31.69	374	85.4	460	20.1	81	
		210TY	SUM71504SM-4	④	T3C	SU3	31.69	374	85.4	460	20.1	81, 97	
		1200	250TY	SUM71506-4	④	T3C	SU3	37.34	469	86.5	460	20.3	81
		210TY	SUM72004SM-4	④	T3C	SU3	32.41	378	86.6	460	26.2	81, 97	
20	1800	210TY	SUM72004-4	④	T3C	SU3	31.69	407	86.6	460	26.2	81	
		1200	250TY	SUM72006-4	④	T3C	SU3	37.34	474	86.7	460	27.4	81
		1800	250TY	SUM72504-4	④	T3C	SU3	37.34	495	88.5	460	32.1	81
		250TY	SUM72504SM-4	④	T3C	SU3	37.06	517	88.5	460	32.1	81, 97	
		1200	250TY	SUM72506-4	④	T3C	SU3	37.34	496	86.7	460	35.2	81
25	1800	250TY	SUM72506SM-4	④	T3C	SU3	37.34	496	86.7	460	35.2	81, 97	
		250TY	SUM73004-4	④	T3C	SU3	37.34	445	88.7	460	39.9	81	
		250TY	SUM73004SM-4	④	T3C	SU3	37.34	445	88.7	460	39.9	81, 97	
		1200	320TY	SUM73006-4	④	T3C	SU3	43.12	1150	89.7	460	40.7	10,82
		1800	250TY	SUM74004-4	④	T3C	SU3	37.34	510	89	460	51.7	82
40	1800	250TY	SUM75004-4	④	T3C	SU3	43.12	882	91.1	460	64.3	10,82	
		320TY	SUM75004SM-4	④	T3C	SU3	42.50	880	91.1	460	64.3	10,82, 97	
50	1800	320TY	SUM75006-4	④	T3C	SU3	43.12	872	90.5	460	65.9	10,82	
		1200	320TY	SUM75006-4	④	T3C	SU3	43.12	872	90.5	460	65.9	10,82

(a) See notes on inside back flap. SM suffix = one size smaller flange and shaft.

④ = Class I, Group C & D

■ Cast iron frame

All 180TY and 210TY catalog numbers are furnished without lead cable assemblies. See Lead Cable Assemblies table for ordering information.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

**NEW!**

## Submersible motor lead cable assemblies

Selection required for ALL 180TY and 210TY catalog ratings

**Features:**

- UL/CSA approved for Class 1 Div 1 Group C and D. Meets UL1202 for non-circuit interrupting connector.
- 316 stainless steel, prewired receptacles with 304 stainless steel plug coupling nuts.
- Cables are packaged separately from the motor, radically reducing the chances of in-transit damage.
- Supports field conversion to alternate cable lengths and simplifies routine maintenance.



Hp	RPM	NEMA Frame	Catalog Number	Kit Number	25 Feet		Kit Number	50 Feet		Kit Number	100 Feet		
					Disc. Sym.	Aprx. Wt. (lb)		Disc. Sym.	Aprx. Wt. (lb)		Disc. Sym.	Aprx. Wt. (lb)	
<b>Single Phase, UL listed, XP</b>													
1	1800	180TY	SUL50104SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
	1200	180TY	SUL50106SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
1 1/2	1800	180TY	SUL50154SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
	1200	180TY	SUL50156SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
2	1800	180TY	SUL50204SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
	1800	180TY	SUL50304SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
3	1800	180TY	SUL50304	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
	1200	210TY	SUL50306SM	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81	
5	1800	210TY	SUL50504	802386201R	SCG	23	802386201T	SCG	42	N/A	N/A	N/A	
<b>Three Phase, UL listed, XP</b>													
1	1800	180TY	SUM70104SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
1 1/2	1800	180TY	SUM70154SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
2	1800	180TY	SUM70204SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		180TY	SUM70204SM-8	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
3	1800	180TY	SUM70304SM	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
	1200	180TY	SUM70306	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
5	1800	180TY	SUM70504	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		180TY	SUM70504-4	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		180TY	SUM70504-8	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		180TY	SUM70504SM-4	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		1200	180TY	SUM70506	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51
7 1/2	1800	180TY	SUM70754	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		180TY	SUM70754-4	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		180TY	SUM70754SM-4	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		1200	210TY	SUM70756	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81
		1200	210TY	SUM70756-4	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81
10	1800	210TY	SUM71004	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81	
		210TY	SUM71004-4	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81	
		210TY	SUM71004SM-4	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81	
		1200	210TY	SUM71006	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81
		1200	210TY	SUM71006-4	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81
15	1800	210TY	SUM71504	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	
		210TY	SUM71504-4	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	
		210TY	SUM71504SM-4	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	
20	1800	210TY	SUM72004SM-4	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	
		210TY	SUM72004-4	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	
<b>Three Phase, Non-UL listed, non XP</b>													
7 1/2	1800	210TY	SUM20754	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
		210TY	SUM20754-4	802386203R	SCG	17	802386203T	SCG	28	802386203V	SCG	51	
10	1800	210TY	SUM21004	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81	
		210TY	SUM21004-4	802386201R	SCG	23	802386201T	SCG	42	802386201V	SCG	81	
15	1800	210TY	SUM21504	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	
		210TY	SUM21504-4	802386204R	SCG	32	802386204T	SCG	58	802386204V	SCG	110	

Red kit number indicates NEW product.

Kits consist of (1) set of power lead cables and (1) set of control lead cables of the specified length with attached receptacles.

Selection required for ALL 180TY and 210TY catalog ratings

Additional cable lengths are available on custom submersible motors. Contact your sales representative.

**NEW!**