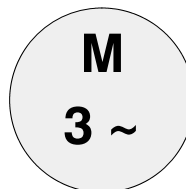


Electrical data for submersible motors



60 Hz

standard range

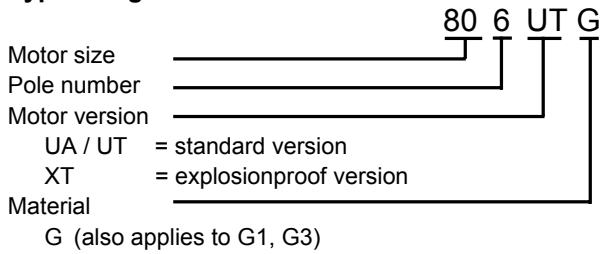


Attention!

- This motor catalogue is only valid in conjunction with the current type series booklet for Amacan P.

All submersible pumps type Amacan P have three-phase squirrel-cage induction motors.

Type designation:



Frequency: 60 Hz

Voltage:

Standard voltages: 380 V, 460 V and 575 V.

Allowances for mains deviation are according to range A of IEC 60 034-1:

supply voltage $\pm 5\%$, supply frequency $\pm 2\%$.

Range B of IEC 60 034-1 is possible but continuous operation at full load may exceed insulation temperatures.

supply voltage $\pm 10\%$

Starting mode:

motor version UA: across the line (D. O. L.)

motor version UT/XT: across the line (D. O. L.) or star-delta (except for motors > 370 14)

Switching frequency:

all motor ratings: max. 10/hr

Mode of temperatures:

Insulation system corresponds to insulation class H.

The maximum pumped medium temperature is noted in the data tables.

Operation with variable frequency drive (VFD):

All motors are suitable for operation with VFD. All motors have a 1.15 service factor.

Index

Motors data for pumps

	Page
380 Volts	4 – 10
460 Volts	11 – 17
575 Volts	18 – 24

motor data
4-poles
380 V
60 Hz
3~
G

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
164UAG -	20	104	1754	34.1	171	G	1 +1	AWG 9-4	0.56-0.60	4/4	17.8	34.1	84.0	0.79
								AWG 15-10	0.63-0.67	3/4	13.5	28.1	82.8	0.73
								Rubber Cable		2/4	9.4	22.8	79.2	0.63
								[S1BN8-F]		1/4	5.5	19.4	68.0	0.43
204UAG -	33	104	1759	52.3	261	F	1 +1	AWG 7-4	0.72-0.77	4/4	28.3	52.3	87.1	0.82
								AWG 15-10	0.63-0.67	3/4	21.3	40.4	86.6	0.80
								Rubber Cable		2/4	14.6	31.1	84.5	0.71
								[S1BN8-F]		1/4	8.0	23.8	76.9	0.51
324UAG -	43	104	1760	66.0	396	G	1 +1	AWG 5-4	0.89-0.94	4/4	36.1	66.0	88.9	0.83
								AWG 15-10	0.63-0.67	3/4	27.1	53.5	88.6	0.77
								Rubber Cable		2/4	18.5	43.1	86.9	0.65
								[S1BN8-F]		1/4	10.0	34.4	80.5	0.44
404UAG -	53	104	1755	83.5	467	G	1 +1	AWG 3-4	1.06-1.13	4/4	45.1	83.5	87.7	0.82
								AWG 15-10	0.63-0.67	3/4	33.9	67.8	87.5	0.76
								Rubber Cable		2/4	23.1	54.8	85.6	0.64
								[S1BN8-F]		1/4	12.6	42.5	78.4	0.45

motor data
6-poles
380 V
60 Hz
3~
G

motor type	motor rating	max. temp. pumped media	speed nom.	FLA	LRA		cable size power + control cable			motor data					
					n_n	I_n	I_s	NEMA code letter	Qty.	type	\varnothing min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]
efficiency class	P2 [hp]	[°F]	[rpm]	[A]	[A]										
66UAG	10	104	1152	17.2	77	F	1	AWG 11-4	0.49-0.53	4/4	9.50	17.2	78.5	0.84	
								AWG 15-10	0.63-0.67	3/4	7.22	14.0	77.5	0.78	
								Rubber Cable [S1BN8-F]		2/4	5.03	11.4	74.2	0.67	
										1/4	2.95	9.3	63.2	0.48	
106UAG	15	104	1145	25.7	100	D	1	AWG 11-4	0.49-0.53	4/4	13.9	25.7	80.7	0.82	
								AWG 15-10	0.63-0.67	3/4	10.5	21.2	80.2	0.75	
								Rubber Cable [S1BN8-F]		2/4	7.2	17.4	77.2	0.63	
										1/4	4.2	15.6	66.6	0.41	
166UAG	25	104	1160	43.3	191	F	1	AWG 7-4	0.72-0.77	4/4	22.8	43.3	81.8	0.80	
								AWG 15-10	0.63-0.67	3/4	17.1	35.7	81.6	0.73	
								Rubber Cable [S1BN8-F]		2/4	11.7	29.7	79.5	0.60	
										1/4	6.6	25.4	70.4	0.40	
256UAG	37	104	1150	60.2	300	F	1	AWG 5-4	0.89-0.94	4/4	32.9	60.2	84.0	0.83	
								AWG 15-10	0.63-0.67	3/4	24.5	48.9	84.5	0.76	
								Rubber Cable [S1BN8-F]		2/4	16.6	39.9	83.2	0.63	
										1/4	9.1	32.2	75.6	0.43	
806UTG	100	104	1179	144	843	F	2	AWG 3-4	1.06-1.13	4/4	82.7	144	90.2	0.87	
								AWG 15-10	0.63-0.67	3/4	62.1	113	90.1	0.84	
								Rubber Cable [S1BN8-F]		2/4	41.9	84	89.0	0.76	
										1/4	22.3	62	83.8	0.55	
806XTG	100	104	1179	144	843	F	2	AWG 3-4	1.06-1.13	4/4	82.7	144	90.2	0.87	
								AWG 15-10	0.63-0.67	3/4	62.1	113	90.1	0.84	
								Rubber Cable [S1BN8-F]		2/4	41.9	84	89.0	0.76	
										1/4	22.3	62	83.8	0.55	
1006UTG	135	104	1180	192	1111	F	2	AWG 1-4	1.19-1.27	4/4	112	192	90.3	0.88	
								AWG 15-10	0.63-0.67	3/4	84	151	90.1	0.84	
								Rubber Cable [S1BN8-F]		2/4	57	116	88.9	0.74	
										1/4	30	92	83.6	0.50	
1006XTG	135	104	1180	192	1111	F	2	AWG 1-4	1.19-1.27	4/4	112	192	90.3	0.88	
								AWG 15-10	0.63-0.67	3/4	84	151	90.1	0.84	
								Rubber Cable [S1BN8-F]		2/4	57	116	88.9	0.74	
										1/4	30	92	83.6	0.50	
1206UTG	154	104	1180	219	1379	G	2	AWG 1/0-4	1.37-1.45	4/4	127	219	90.6	0.88	
								AWG 15-10	0.63-0.67	3/4	95	174	90.5	0.83	
								Rubber Cable [S1BN8-F]		2/4	64	138	89.2	0.71	
										1/4	34	109	83.7	0.48	
1206XTG	154	104	1180	219	1379	G	2	AWG 1/0-4	1.37-1.45	4/4	127	219	90.6	0.88	
								AWG 15-10	0.63-0.67	3/4	95	174	90.5	0.83	
								Rubber Cable [S1BN8-F]		2/4	64	138	89.2	0.71	
										1/4	34	109	83.7	0.48	

motor data
8-poles
380 V
60 Hz
3~
G

motor type	motor rating P2	max. temp. pumped media [°F]	speed nom. n _n	FLA I _n	LRA		cable size power + control cable			motor data				
					I _s	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
68UAG	7.5	104	855	15.9	84	J	1	AWG 11-4	0.49-0.53	4/4	7.18	15.9	77.9	0.69
-							+1	AWG 15-10	0.63-0.67	3/4	5.54	14.0	75.7	0.60
-								Rubber Cable		2/4	3.97	12.6	70.5	0.48
-								[S1BN8-F]		1/4	2.45	11.5	57.1	0.32
108UAG	15	104	870	30.3	131	G	1	AWG 9-4	0.56-0.60	4/4	13.6	30.3	82.5	0.68
-							+1	AWG 15-10	0.63-0.67	3/4	10.3	27.4	81.6	0.57
-								Rubber Cable		2/4	7.2	23.7	78.0	0.46
-								[S1BN8-F]		1/4	4.2	21.8	67.2	0.29
188UAG	20	104	850	41.8	173	G	1	AWG 7-4	0.72-0.77	4/4	18.4	41.8	81.1	0.67
-							+1	AWG 15-10	0.63-0.67	3/4	13.8	35.5	81.1	0.59
-								Rubber Cable		2/4	9.5	30.9	78.5	0.47
-								[S1BN8-F]		1/4	5.5	28.4	67.8	0.29
308UTG	40	104	887	64.6	366	G	2	AWG 7-4	0.72-0.77	4/4	34.1	64.6	87.6	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	25.7	52.8	87.0	0.74
-								Rubber Cable		2/4	17.6	41.9	84.6	0.64
-								[S1BN8-F]		1/4	9.8	34.5	76.3	0.43
308XTG	40	104	887	64.6	366	G	2	AWG 7-4	0.72-0.77	4/4	34.1	64.6	87.6	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	25.7	52.8	87.0	0.74
-								Rubber Cable		2/4	17.6	41.9	84.6	0.64
-								[S1BN8-F]		1/4	9.8	34.5	76.3	0.43
408UTG	55	104	883	89.5	448	F	2	AWG 7-4	0.72-0.77	4/4	47.1	89.5	87.1	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	35.4	71.7	87.0	0.75
-								Rubber Cable		2/4	23.9	56.8	85.7	0.64
-								[S1BN8-F]		1/4	13.0	46.0	78.7	0.43
408XTG	55	104	883	89.5	448	F	2	AWG 7-4	0.72-0.77	4/4	47.1	89.5	87.1	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	35.4	71.7	87.0	0.75
-								Rubber Cable		2/4	23.9	56.8	85.7	0.64
-								[S1BN8-F]		1/4	13.0	46.0	78.7	0.43
558UTG	75	104	880	126	649	G	2	AWG 3-4	1.06-1.13	4/4	62.9	126	88.9	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	47.3	104	88.7	0.69
-								Rubber Cable		2/4	32.0	87	87.5	0.56
-								[S1BN8-F]		1/4	17.2	73	81.5	0.36
558XTG	75	104	880	126	649	G	2	AWG 3-4	1.06-1.13	4/4	62.9	126	88.9	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	47.3	104	88.7	0.69
-								Rubber Cable		2/4	32.0	87	87.5	0.56
-								[S1BN8-F]		1/4	17.2	73	81.5	0.36
708UTG	95	104	880	160	752	F	2	AWG 3-4	1.06-1.13	4/4	79.9	160	88.7	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	59.8	132	88.8	0.69
-								Rubber Cable		2/4	40.3	109	87.8	0.56
-								[S1BN8-F]		1/4	21.5	93	82.3	0.35
708XTG	95	104	880	160	752	F	2	AWG 3-4	1.06-1.13	4/4	79.9	160	88.7	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	59.8	132	88.8	0.69
-								Rubber Cable		2/4	40.3	109	87.8	0.56
-								[S1BN8-F]		1/4	21.5	93	82.3	0.35

motor data
8-poles
380 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
1008UTG -	127	104	871	217	1128	G	2	AWG 1/0-4	1.37-1.45	4/4	107	217	88.5	0.75
								AWG 15-10		3/4	80	179	88.6	0.68
								Rubber Cable		2/4	54	155	87.5	0.53
								[S1BN8-F]		1/4	29	138	81.7	0.32
1008XTG -	127	104	871	217	1128	G	2	AWG 1/0-4	1.37-1.45	4/4	107	217	88.5	0.75
								AWG 15-10		3/4	80	179	88.6	0.68
								Rubber Cable		2/4	54	155	87.5	0.53
								[S1BN8-F]		1/4	29	138	81.7	0.32
1208UTG -	160	104	885	246	1304	F	2	AWG 1/0-4	1.37-1.45	4/4	130	246	92.0	0.80
								AWG 15-10		3/4	97	197	91.9	0.75
								Rubber Cable		2/4	66	156	90.7	0.64
								[S1BN8-F]		1/4	35	126	85.5	0.42
1208XTG -	160	104	885	246	1304	F	2	AWG 1/0-4	1.37-1.45	4/4	130	246	92.0	0.80
								AWG 15-10		3/4	97	197	91.9	0.75
								Rubber Cable		2/4	66	156	90.7	0.64
								[S1BN8-F]		1/4	35	126	85.5	0.42

motor data
10-poles
380 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
4010UTG	55	104	705	88.4	415	E	2	AWG 7-4	0.72-0.77	4/4	45.9	88.4	89.3	0.79
								AWG 15-10	0.63-0.67	3/4	34.5	70.8	89.2	0.74
								Rubber Cable		2/4	23.3	55.3	88.0	0.64
								[S1BN8-F]		1/4	12.6	44.3	81.7	0.43
4010XTG	55	104	705	88.4	415	E	2	AWG 7-4	0.72-0.77	4/4	45.9	88.4	89.3	0.79
								AWG 15-10	0.63-0.67	3/4	34.5	70.8	89.2	0.74
								Rubber Cable		2/4	23.3	55.3	88.0	0.64
								[S1BN8-F]		1/4	12.6	44.3	81.7	0.43
6010UTG	75	104	710	122	610	F	2	AWG 3-4	1.06-1.13	4/4	62.2	122	89.9	0.77
								AWG 15-10	0.63-0.67	3/4	46.8	102	89.7	0.70
								Rubber Cable		2/4	31.8	86	88.0	0.56
								[S1BN8-F]		1/4	17.2	69	81.5	0.38
6010XTG	75	104	710	122	610	F	2	AWG 3-4	1.06-1.13	4/4	62.2	122	89.9	0.77
								AWG 15-10	0.63-0.67	3/4	46.8	102	89.7	0.70
								Rubber Cable		2/4	31.8	86	88.0	0.56
								[S1BN8-F]		1/4	17.2	69	81.5	0.38
9010UTG	120	104	709	195	939	F	2	AWG 1-4	1.19-1.27	4/4	99.0	195	90.4	0.77
								AWG 15-10	0.63-0.67	3/4	74.5	162	90.1	0.70
								Rubber Cable		2/4	50.5	132	88.6	0.58
								[S1BN8-F]		1/4	27.2	115	82.4	0.36
9010XTG	120	104	709	195	939	F	2	AWG 1-4	1.19-1.27	4/4	99.0	195	90.4	0.77
								AWG 15-10	0.63-0.67	3/4	74.5	162	90.1	0.70
								Rubber Cable		2/4	50.5	132	88.6	0.58
								[S1BN8-F]		1/4	27.2	115	82.4	0.36
12010UTG	160	104	710	268	1261	F	2	AWG 3/0-4	1.52-1.64	4/4	132	268	90.4	0.75
								AWG 15-10	0.63-0.67	3/4	99	225	90.1	0.67
								Rubber Cable		2/4	67	189	88.6	0.54
								[S1BN8-F]		1/4	36	166	82.6	0.33
12010XTG	160	104	710	268	1261	F	2	AWG 3/0-4	1.52-1.64	4/4	132	268	90.4	0.75
								AWG 15-10	0.63-0.67	3/4	99	225	90.1	0.67
								Rubber Cable		2/4	67	189	88.6	0.54
								[S1BN8-F]		1/4	36	166	82.6	0.33
15510UTG	200	104	705	306	1440	E	2	AWG 3/0-4	1.52-1.64	4/4	163	306	91.5	0.81
								AWG 15-10	0.63-0.67	3/4	122	245	91.6	0.76
								Rubber Cable		2/4	82	189	90.7	0.66
								[S1BN8-F]		1/4	43	150	86.0	0.44
20010UTG	270	104	710	425	2095	F	4	AWG 1/0-4	1.37-1.45	4/4	218	425	92.4	0.78
								AWG 15-10	0.63-0.67	3/4	164	341	92.1	0.73
								Rubber Cable		2/4	111	271	90.9	0.62
								[S1BN8-F]		1/4	58	220	86.8	0.40
25010UTG	335	104	715	529	2760	F	4	AWG 3/0-4	1.52-1.64	4/4	272	529	92.0	0.78
								AWG 15-10	0.63-0.67	3/4	205	438	91.4	0.71
								Rubber Cable		2/4	139	366	89.6	0.58
								[S1BN8-F]		1/4	75	316	83.5	0.36

motor data
12-poles
380 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA		LRA		cable size power + control cable			motor data				
				I _n [A]	I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]	
19012UTG	250	104	595	435	2090	F	4	AWG 1/0-4	1.37-1.45	4/4	203	435	91.9	0.71	
								AWG 15-10		3/4	154	364	91.0	0.64	
								Rubber Cable		2/4	105	312	88.9	0.51	
								[S1BN8-F]		1/4	57	278	82.0	0.31	
25112UTG	335	104	592	554	2716	F	4	AWG 3/0-4	1.52-1.64	4/4	270	554	92.6	0.74	
								AWG 15-10		3/4	202	452	92.7	0.68	
								Rubber Cable		2/4	137	372	91.3	0.56	
								[S1BN8-F]		1/4	72	303	87.1	0.36	
32012UTG	430	104	595	708	3540	F	6	AWG 1/0-4	1.37-1.45	4/4	345	708	93.0	0.74	
								AWG 15-10		3/4	261	593	92.0	0.67	
								Rubber Cable		2/4	177	489	90.6	0.55	
								[S1BN8-F]		1/4	94	418	85.7	0.34	
37012UTG	500	104	592	847	4320	G	6	AWG 3/0-4	1.52-1.64	4/4	402	847	92.8	0.72	
								AWG 15-10		3/4	302	696	92.5	0.66	
								Rubber Cable		2/4	204	586	91.2	0.53	
								[S1BN8-F]		1/4	108	512	86.4	0.32	
41012UTG	550	104	590	885	4335	F	6	AWG 3/0-4	1.52-1.64	4/4	443	885	92.6	0.76	
								AWG 15-10		3/4	333	723	92.4	0.70	
								Rubber Cable		2/4	225	569	91.2	0.60	
								[S1BN8-F]		1/4	117	467	87.7	0.38	

motor data
14-poles
380 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
34014UTG	415	104	507	815	3659	G	6	AWG 3/0-4	1.52-1.64	4/4	338	815	91.6	0.63
								AWG 15-10	0.63-0.67	3/4	255	705	91.0	0.55
								Rubber Cable		2/4	174	629	88.9	0.42
								[S1BN8-F]		1/4	94	597	82.0	0.24

motor data
4-poles
460 V
60 Hz
3~
G

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
164UAG -	20	104	1754	28.2	141	G	1 +1	AWG 11-4	0.49-0.53 0.63-0.67	4/4	17.8	28.2	84.0	0.79
								AWG 15-10		3/4	13.5	23.2	82.8	0.73
								Rubber Cable		2/4	9.4	18.8	79.2	0.63
								[S1BN8-F]		1/4	5.5	16.0	68.0	0.43
204UAG -	33	104	1759	43.2	216	F	1 +1	AWG 7-4	0.72-0.77 0.63-0.67	4/4	28.3	43.2	87.1	0.82
								AWG 15-10		3/4	21.3	33.4	86.6	0.80
								Rubber Cable		2/4	14.6	25.7	84.5	0.71
								[S1BN8-F]		1/4	8.0	19.7	76.9	0.51
324UAG -	43	104	1760	54.5	327	G	1 +1	AWG 5-4	0.89-0.94 0.63-0.67	4/4	36.1	54.5	88.9	0.83
								AWG 15-10		3/4	27.1	44.2	88.6	0.77
								Rubber Cable		2/4	18.5	35.6	86.9	0.65
								[S1BN8-F]		1/4	10.0	28.4	80.5	0.44
404UAG -	53	104	1755	69.0	386	G	1 +1	AWG 5-4	0.89-0.94 0.63-0.67	4/4	45.1	69.0	87.7	0.82
								AWG 15-10		3/4	33.9	56.0	87.5	0.76
								Rubber Cable		2/4	23.1	45.3	85.6	0.64
								[S1BN8-F]		1/4	12.6	35.1	78.4	0.45

motor data
6-poles
460 V
60 Hz
3~
G

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
66UAG -	10	104	1152	14.2	64	F	1	AWG 11-4	0.49-0.53	4/4	9.50	14.2	78.5	0.84
							+1	AWG 15-10	0.63-0.67	3/4	7.22	11.6	77.5	0.78
								Rubber Cable		2/4	5.03	9.4	74.2	0.67
								[S1BN8-F]		1/4	2.95	7.7	63.2	0.48
106UAG -	15	104	1145	21.2	83	D	1	AWG 11-4	0.49-0.53	4/4	13.9	21.2	80.7	0.82
							+1	AWG 15-10	0.63-0.67	3/4	10.5	17.5	80.2	0.75
								Rubber Cable		2/4	7.2	14.4	77.2	0.63
								[S1BN8-F]		1/4	4.2	12.9	66.6	0.41
166UAG -	25	104	1160	35.8	158	F	1	AWG 9-4	0.56-0.60	4/4	22.8	35.8	81.8	0.80
							+1	AWG 15-10	0.63-0.67	3/4	17.1	29.5	81.6	0.73
								Rubber Cable		2/4	11.7	24.5	79.5	0.60
								[S1BN8-F]		1/4	6.6	21.0	70.4	0.40
256UAG -	37	104	1150	49.7	248	F	1	AWG 7-4	0.72-0.77	4/4	32.9	49.7	84.0	0.83
							+1	AWG 15-10	0.63-0.67	3/4	24.5	40.4	84.5	0.76
								Rubber Cable		2/4	16.6	33.0	83.2	0.63
								[S1BN8-F]		1/4	9.1	26.6	75.6	0.43
806UTG -	100	104	1179	119	696	F	2	AWG 5-4	0.89-0.94	4/4	82.7	119	90.2	0.87
							+1	AWG 15-10	0.63-0.67	3/4	62.1	93	90.1	0.84
								Rubber Cable		2/4	41.9	69	89.0	0.76
								[S1BN8-F]		1/4	22.3	51	83.8	0.55
806XTG -	100	104	1179	119	696	F	2	AWG 5-4	0.89-0.94	4/4	82.7	119	90.2	0.87
							+1	AWG 15-10	0.63-0.67	3/4	62.1	93	90.1	0.84
								Rubber Cable		2/4	41.9	69	89.0	0.76
								[S1BN8-F]		1/4	22.3	51	83.8	0.55
1006UTG -	135	104	1180	159	920	F	2	AWG 3-4	1.06-1.13	4/4	112	159	90.3	0.88
							+1	AWG 15-10	0.63-0.67	3/4	84	125	90.1	0.84
								Rubber Cable		2/4	57	96	88.9	0.74
								[S1BN8-F]		1/4	30	76	83.6	0.50
1006XTG -	135	104	1180	159	920	F	2	AWG 3-4	1.06-1.13	4/4	112	159	90.3	0.88
							+1	AWG 15-10	0.63-0.67	3/4	84	125	90.1	0.84
								Rubber Cable		2/4	57	96	88.9	0.74
								[S1BN8-F]		1/4	30	76	83.6	0.50
1206UTG -	154	104	1180	181	1140	G	2	AWG 1-4	1.19-1.27	4/4	127	181	90.6	0.88
							+1	AWG 15-10	0.63-0.67	3/4	95	144	90.5	0.83
								Rubber Cable		2/4	64	114	89.2	0.71
								[S1BN8-F]		1/4	34	90	83.7	0.48
1206XTG -	154	104	1180	181	1140	G	2	AWG 1-4	1.19-1.27	4/4	127	181	90.6	0.88
							+1	AWG 15-10	0.63-0.67	3/4	95	144	90.5	0.83
								Rubber Cable		2/4	64	114	89.2	0.71
								[S1BN8-F]		1/4	34	90	83.7	0.48

motor data
8-poles
460 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
68UAG -	7.5	104	855	13.1	69	J	1	AWG 11-4	0.49-0.53	4/4	7.18	13.1	77.9	0.69
							+1	AWG 15-10	0.63-0.67	3/4	5.54	11.6	75.7	0.60
								Rubber Cable		2/4	3.97	10.4	70.5	0.48
								[S1BN8-F]		1/4	2.45	9.5	57.1	0.32
108UAG -	15	104	870	25.0	108	G	1	AWG 11-4	0.49-0.53	4/4	13.6	25.0	82.5	0.68
							+1	AWG 15-10	0.63-0.67	3/4	10.3	22.6	81.6	0.57
								Rubber Cable		2/4	7.2	19.6	78.0	0.46
								[S1BN8-F]		1/4	4.2	18.0	67.2	0.29
188UAG -	20	104	850	34.5	143	G	1	AWG 9-4	0.56-0.60	4/4	18.4	34.5	81.1	0.67
							+1	AWG 15-10	0.63-0.67	3/4	13.8	29.3	81.1	0.59
								Rubber Cable		2/4	9.5	25.5	78.5	0.47
								[S1BN8-F]		1/4	5.5	23.5	67.8	0.29
308UTG -	40	104	887	53.4	302	G	2	AWG 9-4	0.56-0.60	4/4	34.1	53.4	87.6	0.80
							+1	AWG 15-10	0.63-0.67	3/4	25.7	43.6	87.0	0.74
								Rubber Cable		2/4	17.6	34.6	84.6	0.64
								[S1BN8-F]		1/4	9.8	28.5	76.3	0.43
308XTG -	40	104	890	59.9	300	G	2	AWG 9-4	0.56-0.60	4/4	33.9	59.9	88.1	0.71
							+1	AWG 15-10	0.63-0.67	3/4	25.7	49.7	86.9	0.65
								Rubber Cable		2/4	18.0	43.4	82.9	0.52
								[S1BN8-F]		1/4	10.2	37.8	72.8	0.34
408UTG -	55	104	883	73.9	370	F	2	AWG 7-4	0.72-0.77	4/4	47.1	73.9	87.1	0.80
							+1	AWG 15-10	0.63-0.67	3/4	35.4	59.2	87.0	0.75
								Rubber Cable		2/4	23.9	46.9	85.7	0.64
								[S1BN8-F]		1/4	13.0	38.0	78.7	0.43
408XTG -	55	104	883	73.9	370	F	2	AWG 7-4	0.72-0.77	4/4	47.1	73.9	87.1	0.80
							+1	AWG 15-10	0.63-0.67	3/4	35.4	59.2	87.0	0.75
								Rubber Cable		2/4	23.9	46.9	85.7	0.64
								[S1BN8-F]		1/4	13.0	38.0	78.7	0.43
558UTG -	75	104	880	104	535	G	2	AWG 5-4	0.89-0.94	4/4	62.9	104	88.9	0.76
							+1	AWG 15-10	0.63-0.67	3/4	47.3	86	88.7	0.69
								Rubber Cable		2/4	32.0	72	87.5	0.56
								[S1BN8-F]		1/4	17.2	60	81.5	0.36
558XTG -	75	104	880	104	535	G	2	AWG 5-4	0.89-0.94	4/4	62.9	104	88.9	0.76
							+1	AWG 15-10	0.63-0.67	3/4	47.3	86	88.7	0.69
								Rubber Cable		2/4	32.0	72	87.5	0.56
								[S1BN8-F]		1/4	17.2	60	81.5	0.36
708UTG -	95	104	880	132	620	F	2	AWG 3-4	1.06-1.13	4/4	79.9	132	88.7	0.76
							+1	AWG 15-10	0.63-0.67	3/4	59.8	109	88.8	0.69
								Rubber Cable		2/4	40.3	90	87.8	0.56
								[S1BN8-F]		1/4	21.5	77	82.3	0.35
708XTG -	95	104	880	132	620	F	2	AWG 3-4	1.06-1.13	4/4	79.9	132	88.7	0.76
							+1	AWG 15-10	0.63-0.67	3/4	59.8	109	88.8	0.69
								Rubber Cable		2/4	40.3	90	87.8	0.56
								[S1BN8-F]		1/4	21.5	77	82.3	0.35

motor data
8-poles
460 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
1008UTG	127	104	871	179	930	G	2	AWG 1-4	1.19-1.27	4/4	107	179	88.5	0.75
-							+1	AWG 15-10	0.63-0.67	3/4	80	148	88.6	0.68
-								Rubber Cable		2/4	54	128	87.5	0.53
-								[S1BN8-F]		1/4	29	114	81.7	0.32
1008XTG	127	104	871	179	930	G	2	AWG 1-4	1.19-1.27	4/4	107	179	88.5	0.75
-							+1	AWG 15-10	0.63-0.67	3/4	80	148	88.6	0.68
-								Rubber Cable		2/4	54	128	87.5	0.53
-								[S1BN8-F]		1/4	29	114	81.7	0.32
1208UTG	160	104	885	203	1076	F	2	AWG 1/0-4	1.37-1.45	4/4	130	203	92.0	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	97	163	91.9	0.75
-								Rubber Cable		2/4	66	129	90.7	0.64
-								[S1BN8-F]		1/4	35	104	85.5	0.42
1208XTG	160	104	885	203	1076	F	2	AWG 1/0-4	1.37-1.45	4/4	130	203	92.0	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	97	163	91.9	0.75
-								Rubber Cable		2/4	66	129	90.7	0.64
-								[S1BN8-F]		1/4	35	104	85.5	0.42
1608UTG	215	104	888	276	1573	G	2	AWG 3/0-4	1.52-1.64	4/4	174	276	92.3	0.79
-							+1	AWG 15-10	0.63-0.67	3/4	131	225	92.1	0.73
-								Rubber Cable		2/4	88	179	90.7	0.62
-								[S1BN8-F]		1/4	47	147	85.3	0.40
1608XTG	215	104	888	276	1573	G	2	AWG 3/0-4	1.52-1.64	4/4	174	276	92.3	0.79
-							+1	AWG 15-10	0.63-0.67	3/4	131	225	92.1	0.73
-								Rubber Cable		2/4	88	179	90.7	0.62
-								[S1BN8-F]		1/4	47	147	85.3	0.40

motor data
10-poles
460 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data					
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]	
4010UTG	55	104	705	73.0	343	E	2	AWG 7-4	0.72-0.77	4/4	45.9	73.0	89.3	0.79	
								+1		AWG 15-10	3/4	34.5	58.5	89.2	0.74
										Rubber Cable	2/4	23.3	45.7	88.0	0.64
										[S1BN8-F]	1/4	12.6	36.6	81.7	0.43
4010XTG	55	104	705	73.0	343	E	2	AWG 7-4	0.72-0.77	4/4	45.9	73.0	89.3	0.79	
								+1		AWG 15-10	3/4	34.5	58.5	89.2	0.74
										Rubber Cable	2/4	23.3	45.7	88.0	0.64
										[S1BN8-F]	1/4	12.6	36.6	81.7	0.43
6010UTG	75	104	710	101	505	F	2	AWG 5-4	0.89-0.94	4/4	62.2	101	89.9	0.77	
								+1		AWG 15-10	3/4	46.8	84	89.7	0.70
										Rubber Cable	2/4	31.8	71	88.0	0.56
										[S1BN8-F]	1/4	17.2	57	81.5	0.38
6010XTG	75	104	710	101	505	F	2	AWG 5-4	0.89-0.94	4/4	62.2	101	89.9	0.77	
								+1		AWG 15-10	3/4	46.8	84	89.7	0.70
										Rubber Cable	2/4	31.8	71	88.0	0.56
										[S1BN8-F]	1/4	17.2	57	81.5	0.38
9010UTG	120	104	709	161	775	F	2	AWG 1-4	1.19-1.27	4/4	99.0	161	90.4	0.77	
								+1		AWG 15-10	3/4	74.5	134	90.1	0.70
										Rubber Cable	2/4	50.5	109	88.6	0.58
										[S1BN8-F]	1/4	27.2	95	82.4	0.36
9010XTG	120	104	709	161	775	F	2	AWG 1-4	1.19-1.27	4/4	99.0	161	90.4	0.77	
								+1		AWG 15-10	3/4	74.5	134	90.1	0.70
										Rubber Cable	2/4	50.5	109	88.6	0.58
										[S1BN8-F]	1/4	27.2	95	82.4	0.36
12010UTG	160	104	710	221	1040	F	2	AWG 1/0-4	1.37-1.45	4/4	132	221	90.4	0.75	
								+1		AWG 15-10	3/4	99	186	90.1	0.67
										Rubber Cable	2/4	67	156	88.6	0.54
										[S1BN8-F]	1/4	36	137	82.6	0.33
12010XTG	160	104	710	221	1040	F	2	AWG 1/0-4	1.37-1.45	4/4	132	221	90.4	0.75	
								+1		AWG 15-10	3/4	99	186	90.1	0.67
										Rubber Cable	2/4	67	156	88.6	0.54
										[S1BN8-F]	1/4	36	137	82.6	0.33
15510UTG	200	104	705	253	1190	E	2	AWG 3/0-4	1.52-1.64	4/4	163	253	91.5	0.81	
								+1		AWG 15-10	3/4	122	202	91.6	0.76
										Rubber Cable	2/4	82	156	90.7	0.66
										[S1BN8-F]	1/4	43	124	86.0	0.44
20010UTG	270	104	710	351	1730	F	4	AWG 1-4	1.19-1.27	4/4	218	351	92.4	0.78	
								+1		AWG 15-10	3/4	164	282	92.1	0.73
										Rubber Cable	2/4	111	224	90.9	0.62
										[S1BN8-F]	1/4	58	182	86.8	0.40
25010UTG	335	104	715	437	2280	F	4	AWG 1/0-4	1.37-1.45	4/4	272	437	92.0	0.78	
								+1		AWG 15-10	3/4	205	362	91.4	0.71
										Rubber Cable	2/4	139	302	89.6	0.58
										[S1BN8-F]	1/4	75	261	83.5	0.36

motor data
12-poles
460 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
19012UTG	250	104	595	359	1725	F	4	AWG 1-4	1.19-1.27	4/4	203	359	91.9	0.71
								AWG 15-10	0.63-0.67	3/4	154	301	91.0	0.64
								Rubber Cable		2/4	105	258	88.9	0.51
								[S1BN8-F]		1/4	57	230	82.0	0.31
25112UTG	335	104	592	458	2245	F	4	AWG 1/0-4	1.37-1.45	4/4	270	458	92.6	0.74
								AWG 15-10	0.63-0.67	3/4	202	373	92.7	0.68
								Rubber Cable		2/4	137	307	91.3	0.56
								[S1BN8-F]		1/4	72	250	87.1	0.36
32012UTG	430	104	595	585	2925	F	4	AWG 3/0-4	1.52-1.64	4/4	345	585	93.0	0.74
								AWG 15-10	0.63-0.67	3/4	261	490	92.0	0.67
								Rubber Cable		2/4	177	404	90.6	0.55
								[S1BN8-F]		1/4	94	345	85.7	0.34
37012UTG	500	104	592	700	3570	G	6	AWG 1/0-4	1.37-1.45	4/4	402	700	92.8	0.72
								AWG 15-10	0.63-0.67	3/4	302	575	92.5	0.66
								Rubber Cable		2/4	204	484	91.2	0.53
								[S1BN8-F]		1/4	108	423	86.4	0.32
41012UTG	550	104	590	731	3580	F	6	AWG 1/0-4	1.37-1.45	4/4	443	731	92.6	0.76
								AWG 15-10	0.63-0.67	3/4	333	597	92.4	0.70
								Rubber Cable		2/4	225	470	91.2	0.60
								[S1BN8-F]		1/4	117	386	87.7	0.38

motor data
14-poles
460 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
34014UTG	415	104	507	673	3022	G	6	AWG 1/0-4	1.37-1.45	4/4	338	673	91.6	0.63
								AWG 15-10		3/4	255	582	91.0	0.55
								Rubber Cable		2/4	174	520	88.9	0.42
								[S1BN8-F]		1/4	94	493	82.0	0.24
37014UTG	500	104	510	839	3690	G	6	AWG 1/0-4	1.37-1.45	4/4	401	839	92.9	0.60
								AWG 15-10		3/4	303	730	92.4	0.52
								Rubber Cable		2/4	206	662	90.6	0.39
								[S1BN8-F]		1/4	110	601	84.6	0.23
41014UTG	550	104	510	905	3890	G	6	AWG 3/0-4	1.52-1.64	4/4	440	905	93.3	0.61
								AWG 15-10		3/4	331	784	92.9	0.53
								Rubber Cable		2/4	224	687	91.4	0.41
								[S1BN8-F]		1/4	119	624	85.9	0.24
45014UTG	600	104	511	1034	4600	G	7	AWG 3/0-4	1.52-1.64	4/4	480	1034	93.3	0.58
								AWG 15-10		3/4	362	927	92.7	0.49
								Rubber Cable		2/4	246	835	90.9	0.37
								[S1BN8-F]		1/4	132	788	84.8	0.21
50014UTG	675	104	510	1072	4825	G	7	AWG 3/0-4	1.52-1.64	4/4	538	1072	93.5	0.63
								AWG 15-10		3/4	405	924	93.2	0.55
								Rubber Cable		2/4	274	799	91.9	0.43
								[S1BN8-F]		1/4	145	728	86.8	0.25
55014UTG	725	104	511	1227	5525	G	7	AWG 3/0-4	1.52-1.64	4/4	577	1227	93.7	0.59
								AWG 15-10		3/4	436	1093	93.1	0.50
								Rubber Cable		2/4	296	977	91.4	0.38
								[S1BN8-F]		1/4	158	900	85.7	0.22

motor data
4-poles
575 V
60 Hz
3~
G

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
164UAG -	20	104	1754	22.6	113	G	1	AWG 11-4	0.49-0.53	4/4	17.8	22.6	84.0	0.79
							+1	AWG 15-10	0.63-0.67	3/4	13.5	18.6	82.8	0.73
								Rubber Cable		2/4	9.4	15.0	79.2	0.63
								[S1BN8-F]		1/4	5.5	12.8	68.0	0.43
204UAG -	33	104	1759	34.6	173	F	1	AWG 9-4	0.56-0.60	4/4	28.3	34.6	87.1	0.82
							+1	AWG 15-10	0.63-0.67	3/4	21.3	26.7	86.6	0.80
								Rubber Cable		2/4	14.6	20.6	84.5	0.71
								[S1BN8-F]		1/4	8.0	15.8	76.9	0.51
324UAG -	43	104	1760	43.6	262	G	1	AWG 7-4	0.72-0.77	4/4	36.1	43.6	88.9	0.83
							+1	AWG 15-10	0.63-0.67	3/4	27.1	35.4	88.6	0.77
								Rubber Cable		2/4	18.5	28.5	86.9	0.65
								[S1BN8-F]		1/4	10.0	22.7	80.5	0.44
404UAG -	53	104	1755	55.2	309	G	1	AWG 5-4	0.89-0.94	4/4	45.1	55.2	87.7	0.82
							+1	AWG 15-10	0.63-0.67	3/4	33.9	44.8	87.5	0.76
								Rubber Cable		2/4	23.1	36.2	85.6	0.64
								[S1BN8-F]		1/4	12.6	28.1	78.4	0.45

motor data
6-poles
575 V
60 Hz
3~
G

motor type	motor rating	max. temp. pumped media	speed nom.	FLA	LRA		cable size power + control cable			motor data					
					n_n	I_n	I_s	NEMA code letter	Qty.	type	\varnothing min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]
efficiency class	P2 [hp]	[°F]	[rpm]	[A]	[A]										
66UAG	10	104	1152	11.4	51	F	1	AWG 11-4	0.49-0.53	4/4	9.50	11.4	78.5	0.84	
								AWG 15-10	0.63-0.67	3/4	7.22	9.3	77.5	0.78	
								Rubber Cable		2/4	5.03	7.5	74.2	0.67	
								[S1BN8-F]		1/4	2.95	6.2	63.2	0.48	
106UAG	15	104	1145	17.0	66	D	1	AWG 11-4	0.49-0.53	4/4	13.9	17.0	80.7	0.82	
								AWG 15-10	0.63-0.67	3/4	10.5	14.0	80.2	0.75	
								Rubber Cable		2/4	7.2	11.5	77.2	0.63	
								[S1BN8-F]		1/4	4.2	10.3	66.6	0.41	
166UAG	25	104	1160	28.6	126	F	1	AWG 11-4	0.49-0.53	4/4	22.8	28.6	81.8	0.80	
								AWG 15-10	0.63-0.67	3/4	17.1	23.6	81.6	0.73	
								Rubber Cable		2/4	11.7	19.6	79.5	0.60	
								[S1BN8-F]		1/4	6.6	16.8	70.4	0.40	
256UAG	37	104	1150	39.8	198	F	1	AWG 7-4	0.72-0.77	4/4	32.9	39.8	84.0	0.83	
								AWG 15-10	0.63-0.67	3/4	24.5	32.3	84.5	0.76	
								Rubber Cable		2/4	16.6	26.4	83.2	0.63	
								[S1BN8-F]		1/4	9.1	21.3	75.6	0.43	
806UTG	100	104	1179	95.2	557	F	2	AWG 5-4	0.89-0.94	4/4	82.7	95.2	90.2	0.87	
								AWG 15-10	0.63-0.67	3/4	62.1	74.4	90.1	0.84	
								Rubber Cable		2/4	41.9	55.2	89.0	0.76	
								[S1BN8-F]		1/4	22.3	40.8	83.8	0.55	
806XTG	100	104	1179	95.2	557	F	2	AWG 5-4	0.89-0.94	4/4	82.7	95.2	90.2	0.87	
								AWG 15-10	0.63-0.67	3/4	62.1	74.4	90.1	0.84	
								Rubber Cable		2/4	41.9	55.2	89.0	0.76	
								[S1BN8-F]		1/4	22.3	40.8	83.8	0.55	
1006UTG	135	104	1180	127	735	F	2	AWG 3-4	1.06-1.13	4/4	112	127	90.3	0.88	
								AWG 15-10	0.63-0.67	3/4	84	100	90.1	0.84	
								Rubber Cable		2/4	57	77	88.9	0.74	
								[S1BN8-F]		1/4	30	61	83.6	0.50	
1006XTG	135	104	1180	127	735	F	2	AWG 3-4	1.06-1.13	4/4	112	127	90.3	0.88	
								AWG 15-10	0.63-0.67	3/4	84	100	90.1	0.84	
								Rubber Cable		2/4	57	77	88.9	0.74	
								[S1BN8-F]		1/4	30	61	83.6	0.50	
1206UTG	154	104	1180	145	913	G	2	AWG 3-4	1.06-1.13	4/4	127	145	90.6	0.88	
								AWG 15-10	0.63-0.67	3/4	95	115	90.5	0.83	
								Rubber Cable		2/4	64	91	89.2	0.71	
								[S1BN8-F]		1/4	34	72	83.7	0.48	
1206XTG	154	104	1180	145	913	G	2	AWG 3-4	1.06-1.13	4/4	127	145	90.6	0.88	
								AWG 15-10	0.63-0.67	3/4	95	115	90.5	0.83	
								Rubber Cable		2/4	64	91	89.2	0.71	
								[S1BN8-F]		1/4	34	72	83.7	0.48	

motor data
8-poles
575 V
60 Hz
3~
G

motor type	motor rating P2	max. temp. pumped media [°F]	speed nom. n _n	FLA I _n	LRA		cable size power + control cable			motor data				
					I _s	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
68UAG	7.5	104	855	10.5	56	J	1	AWG 11-4	0.49-0.53	4/4	7.18	10.5	77.9	0.69
-							+1	AWG 15-10	0.63-0.67	3/4	5.54	9.3	75.7	0.60
-								Rubber Cable		2/4	3.97	8.3	70.5	0.48
-								[S1BN8-F]		1/4	2.45	7.6	57.1	0.32
108UAG	15	104	870	20.0	86	G	1	AWG 11-4	0.49-0.53	4/4	13.6	20.0	82.5	0.68
-							+1	AWG 15-10	0.63-0.67	3/4	10.3	18.1	81.6	0.57
-								Rubber Cable		2/4	7.2	15.7	78.0	0.46
-								[S1BN8-F]		1/4	4.2	14.4	67.2	0.29
188UAG	20	104	850	27.6	114	G	1	AWG 11-4	0.49-0.53	4/4	18.4	27.6	81.1	0.67
-							+1	AWG 15-10	0.63-0.67	3/4	13.8	23.4	81.1	0.59
-								Rubber Cable		2/4	9.5	20.4	78.5	0.47
-								[S1BN8-F]		1/4	5.5	18.8	67.8	0.29
308UTG	40	104	887	42.7	241	G	2	AWG 11-4	0.49-0.53	4/4	34.1	42.7	87.6	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	25.7	34.9	87.0	0.74
-								Rubber Cable		2/4	17.6	27.7	84.6	0.64
-								[S1BN8-F]		1/4	9.8	22.8	76.3	0.43
308XTG	40	104	887	42.7	241	G	2	AWG 11-4	0.49-0.53	4/4	34.1	42.7	87.6	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	25.7	34.9	87.0	0.74
-								Rubber Cable		2/4	17.6	27.7	84.6	0.64
-								[S1BN8-F]		1/4	9.8	22.8	76.3	0.43
408UTG	55	104	883	59.1	296	F	2	AWG 9-4	0.56-0.60	4/4	47.1	59.1	87.1	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	35.4	47.4	87.0	0.75
-								Rubber Cable		2/4	23.9	37.5	85.7	0.64
-								[S1BN8-F]		1/4	13.0	30.4	78.7	0.43
408XTG	55	104	883	59.1	296	F	2	AWG 9-4	0.56-0.60	4/4	47.1	59.1	87.1	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	35.4	47.4	87.0	0.75
-								Rubber Cable		2/4	23.9	37.5	85.7	0.64
-								[S1BN8-F]		1/4	13.0	30.4	78.7	0.43
558UTG	75	104	880	83.2	428	G	2	AWG 7-4	0.72-0.77	4/4	62.9	83.2	88.9	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	47.3	68.8	88.7	0.69
-								Rubber Cable		2/4	32.0	57.6	87.5	0.56
-								[S1BN8-F]		1/4	17.2	48.0	81.5	0.36
558XTG	75	104	880	83.2	428	G	2	AWG 7-4	0.72-0.77	4/4	62.9	83.2	88.9	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	47.3	68.8	88.7	0.69
-								Rubber Cable		2/4	32.0	57.6	87.5	0.56
-								[S1BN8-F]		1/4	17.2	48.0	81.5	0.36
708UTG	95	104	880	106	498	F	2	AWG 5-4	0.89-0.94	4/4	79.9	106	88.7	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	59.8	87	88.8	0.69
-								Rubber Cable		2/4	40.3	72	87.8	0.56
-								[S1BN8-F]		1/4	21.5	62	82.3	0.35
708XTG	95	104	880	106	498	F	2	AWG 5-4	0.89-0.94	4/4	79.9	106	88.7	0.76
-							+1	AWG 15-10	0.63-0.67	3/4	59.8	87	88.8	0.69
-								Rubber Cable		2/4	40.3	72	87.8	0.56
-								[S1BN8-F]		1/4	21.5	62	82.3	0.35

motor data
8-poles
575 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
1008UTG -	127	104	871	143	743	G	2	AWG 3-4	1.06-1.13 0.63-0.67	4/4	107	143	88.5	0.75
								AWG 15-10		3/4	80	118	88.6	0.68
								Rubber Cable		2/4	54	102	87.5	0.53
								[S1BN8-F]		1/4	29	91	81.7	0.32
1008XTG -	127	104	871	143	743	G	2	AWG 3-4	1.06-1.13 0.63-0.67	4/4	107	143	88.5	0.75
								AWG 15-10		3/4	80	118	88.6	0.68
								Rubber Cable		2/4	54	102	87.5	0.53
								[S1BN8-F]		1/4	29	91	81.7	0.32
1208UTG -	160	104	885	162	859	F	2	AWG 1-4	1.19-1.27 0.63-0.67	4/4	130	162	92.0	0.80
								AWG 15-10		3/4	97	130	91.9	0.75
								Rubber Cable		2/4	66	103	90.7	0.64
								[S1BN8-F]		1/4	35	83	85.5	0.42
1208XTG -	160	104	885	162	859	F	2	AWG 1-4	1.19-1.27 0.63-0.67	4/4	130	162	92.0	0.80
								AWG 15-10		3/4	97	130	91.9	0.75
								Rubber Cable		2/4	66	103	90.7	0.64
								[S1BN8-F]		1/4	35	83	85.5	0.42
1608UTG -	215	104	888	221	1259	G	2	AWG 1/0-4	1.37-1.45 0.63-0.67	4/4	174	221	92.3	0.79
								AWG 15-10		3/4	131	180	92.1	0.73
								Rubber Cable		2/4	88	143	90.7	0.62
								[S1BN8-F]		1/4	47	118	85.3	0.40
1608XTG -	215	104	888	221	1259	G	2	AWG 1/0-4	1.37-1.45 0.63-0.67	4/4	174	221	92.3	0.79
								AWG 15-10		3/4	131	180	92.1	0.73
								Rubber Cable		2/4	88	143	90.7	0.62
								[S1BN8-F]		1/4	47	118	85.3	0.40

motor data
10-poles
575 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
4010UTG	55	104	705	58.4	274	E	2	AWG 9-4	0.56-0.60	4/4	45.9	58.4	89.3	0.79
								AWG 15-10	0.63-0.67	3/4	34.5	46.8	89.2	0.74
								Rubber Cable		2/4	23.3	36.6	88.0	0.64
								[S1BN8-F]		1/4	12.6	29.3	81.7	0.43
4010XTG	55	104	705	58.4	274	E	2	AWG 9-4	0.56-0.60	4/4	45.9	58.4	89.3	0.79
								AWG 15-10	0.63-0.67	3/4	34.5	46.8	89.2	0.74
								Rubber Cable		2/4	23.3	36.6	88.0	0.64
								[S1BN8-F]		1/4	12.6	29.3	81.7	0.43
6010UTG	75	104	710	80.8	404	F	2	AWG 7-4	0.72-0.77	4/4	62.2	80.8	89.9	0.77
								AWG 15-10	0.63-0.67	3/4	46.8	67.2	89.7	0.70
								Rubber Cable		2/4	31.8	56.8	88.0	0.56
								[S1BN8-F]		1/4	17.2	45.6	81.5	0.38
6010XTG	75	104	710	80.8	404	F	2	AWG 7-4	0.72-0.77	4/4	62.2	80.8	89.9	0.77
								AWG 15-10	0.63-0.67	3/4	46.8	67.2	89.7	0.70
								Rubber Cable		2/4	31.8	56.8	88.0	0.56
								[S1BN8-F]		1/4	17.2	45.6	81.5	0.38
9010UTG	120	104	709	129	621	F	2	AWG 3-4	1.06-1.13	4/4	99.0	129	90.4	0.77
								AWG 15-10	0.63-0.67	3/4	74.5	107	90.1	0.70
								Rubber Cable		2/4	50.5	87	88.6	0.58
								[S1BN8-F]		1/4	27.2	76	82.4	0.36
9010XTG	120	104	709	129	621	F	2	AWG 3-4	1.06-1.13	4/4	99.0	129	90.4	0.77
								AWG 15-10	0.63-0.67	3/4	74.5	107	90.1	0.70
								Rubber Cable		2/4	50.5	87	88.6	0.58
								[S1BN8-F]		1/4	27.2	76	82.4	0.36
12010UTG	160	104	710	177	833	F	2	AWG 1-4	1.19-1.27	4/4	132	177	90.4	0.75
								AWG 15-10	0.63-0.67	3/4	99	149	90.1	0.67
								Rubber Cable		2/4	67	125	88.6	0.54
								[S1BN8-F]		1/4	36	110	82.6	0.33
12010XTG	160	104	710	177	833	F	2	AWG 1-4	1.19-1.27	4/4	132	177	90.4	0.75
								AWG 15-10	0.63-0.67	3/4	99	149	90.1	0.67
								Rubber Cable		2/4	67	125	88.6	0.54
								[S1BN8-F]		1/4	36	110	82.6	0.33
15510UTG	200	104	705	202	950	E	2	AWG 1/0-4	1.37-1.45	4/4	163	202	91.5	0.81
								AWG 15-10	0.63-0.67	3/4	122	162	91.6	0.76
								Rubber Cable		2/4	82	125	90.7	0.66
								[S1BN8-F]		1/4	43	99	86.0	0.44
20010UTG	270	104	710	281	1385	F	2	AWG 3/0-4	1.52-1.64	4/4	218	281	92.4	0.78
								AWG 15-10	0.63-0.67	3/4	164	226	92.1	0.73
								Rubber Cable		2/4	111	179	90.9	0.62
								[S1BN8-F]		1/4	58	146	86.8	0.40
25010UTG	335	104	715	350	1826	F	4	AWG 1-4	1.19-1.27	4/4	272	350	92.0	0.78
								AWG 15-10	0.63-0.67	3/4	205	290	91.4	0.71
								Rubber Cable		2/4	139	242	89.6	0.58
								[S1BN8-F]		1/4	75	209	83.5	0.36

motor data
12-poles
575 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
19012UTG	250	104	595	287	1379	F	2	AWG 3/0-4	1.52-1.64	4/4	203	287	91.9	0.71
								AWG 15-10		3/4	154	241	91.0	0.64
								Rubber Cable		2/4	105	206	88.9	0.51
								[S1BN8-F]		1/4	57	184	82.0	0.31
25112UTG	335	104	592	366	1794	F	4	AWG 1-4	1.19-1.27	4/4	270	366	92.6	0.74
								AWG 15-10		3/4	202	298	92.7	0.68
								Rubber Cable		2/4	137	246	91.3	0.56
								[S1BN8-F]		1/4	72	200	87.1	0.36
32012UTG	430	104	595	468	2340	F	4	AWG 1/0-4	1.37-1.45	4/4	345	468	93.0	0.74
								AWG 15-10		3/4	261	392	92.0	0.67
								Rubber Cable		2/4	177	323	90.6	0.55
								[S1BN8-F]		1/4	94	276	85.7	0.34
37012UTG	500	104	592	560	2856	G	6	AWG 1-4	1.19-1.27	4/4	402	560	92.8	0.72
								AWG 15-10		3/4	302	460	92.5	0.66
								Rubber Cable		2/4	204	387	91.2	0.53
								[S1BN8-F]		1/4	108	338	86.4	0.32
41012UTG	550	104	590	585	2865	F	6	AWG 1-4	1.19-1.27	4/4	443	585	92.6	0.76
								AWG 15-10		3/4	333	478	92.4	0.70
								Rubber Cable		2/4	225	376	91.2	0.60
								[S1BN8-F]		1/4	117	309	87.7	0.38

motor data
14-poles
575 V
60 Hz
3~
G

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
34014UTG	415	104	507	538	2416	G	4	AWG 3/0-4	1.52-1.64	4/4	338	538	91.6	0.63
								AWG 15-10	0.63-0.67	3/4	255	466	91.0	0.55
								Rubber Cable		2/4	174	416	88.9	0.42
								[S1BN8-F]		1/4	94	394	82.0	0.24



KSB, Inc.
4415 Sarellen Road · Richmond, VA23231
Phone: (804) 222-1818 · Fax: (804) 226-6961 · www.ksb-inc.com

KSB Pumps Inc
5885 Kennedy Road · Mississauga · Ontario L4Z 2G3
Phone: (905) 568-9200 · Fax: (905) 568-3740 · www.ksb.ca