

**Electrical data for submersible motors**

**M**  
**3 ~**

**60 Hz**  
**standard range**



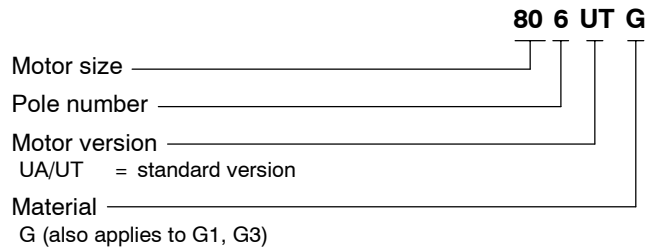
**Attention!**

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

## General Description

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

### Type designation:



### Voltage and frequency:

Standard voltage rating:	380 V - 60 Hz
	460 V - 60 Hz
	575 V - 60 Hz

Further voltage ratings will be possible on request.

### Connection cable:

Connection cables with different dimensions are used for submersible motor pumps with rated voltages that differ from the values given in the table.

### Temperatures:

The defined maximum temperature applies to the temperature of the fluid handled and the ambient temperature at the place of installation.

### Insulation system:

Class H

**For information on electrical installation, operating limits, frequency of starts and frequency inverter operation please refer to the relevant operating manual of the submersible motor pump.**

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
266UAG -	33	104	1177	54.0	321	H	1 +1	AWG 5-4	0.89-0.94	4/4	28.4	54.0	86.7	0.80
								AWG 15-10	0.63-0.67	3/4	21.6	43.0	85.6	0.76
								Rubber Cable		2/4	14.9	34.1	82.5	0.66
								[ S1BN8-F ]		1/4	8.4	27.7	73.2	0.46
306UAG -	45	104	1169	72.6	321	E	1 +1	AWG 3-4	1.06-1.13	4/4	38.6	72.6	86.9	0.81
								AWG 15-10	0.63-0.67	3/4	29.1	55.1	86.5	0.80
								Rubber Cable		2/4	19.6	40.3	85.7	0.74
								[ S1BN8-F ]		1/4	10.9	29.8	77.2	0.55
506UAG -	63	104	1175	111	558	G	1 +1	AWG 1-4	1.19-1.27	4/4	53.7	111	87.5	0.73
								AWG 15-10	0.63-0.67	3/4	40.3	90	87.4	0.68
								Rubber Cable		2/4	27.2	72	86.4	0.57
								[ S1BN8-F ]		1/4	15.0	61	78.4	0.37
656UAG -	80	104	1177	139	737	G	2 +1	AWG 5-4	0.89-0.94	4/4	67.0	139	89.0	0.73
								AWG 15-10	0.63-0.67	3/4	50.6	115	88.5	0.67
								Rubber Cable		2/4	34.4	93	86.6	0.56
								[ S1BN8-F ]		1/4	18.9	80	78.8	0.36
806UAG -	100	104	1180	171	855	G	2 +1	AWG 3-4	1.06-1.13	4/4	83.3	171	89.5	0.74
								AWG 15-10	0.63-0.67	3/4	62.6	142	89.4	0.67
								Rubber Cable		2/4	42.5	117	87.8	0.55
								[ S1BN8-F ]		1/4	23.2	100	80.5	0.35
1006UAG -	125	104	1180	213	1150	G	2 +1	AWG 1-4	1.19-1.27	4/4	104	213	90.0	0.74
								AWG 15-10	0.63-0.67	3/4	78	179	89.9	0.66
								Rubber Cable		2/4	53	151	88.3	0.53
								[ S1BN8-F ]		1/4	29	132	81.5	0.33
1206UAG -	145	104	1180	248	1315	G	2 +1	AWG 1/0-4	1.37-1.45	4/4	120	248	90.5	0.73
								AWG 15-10	0.63-0.67	3/4	90	214	90.1	0.64
								Rubber Cable		2/4	62	186	87.2	0.51
								[ S1BN8-F ]		1/4	34	165	79.5	0.31

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
758UAG -	100	104	885	160	991	H	2 +1	AWG 3-4	1.06-1.13	4/4	82.2	160	90.7	0.78
								AWG 15-10	0.63-0.67	3/4	62.1	130	90.0	0.73
								Rubber Cable		2/4	42.1	105	88.5	0.61
								[ S1BN8-F ]		1/4	22.7	86	82.0	0.40
1008UAG -	135	104	884	224	1380	H	2 +1	AWG 1-4	1.19-1.27	4/4	111	224	91.1	0.75
								AWG 15-10	0.63-0.67	3/4	83	188	91.0	0.67
								Rubber Cable		2/4	56	156	89.6	0.55
								[ S1BN8-F ]		1/4	30	136	83.9	0.34
1208UAG -	165	104	882	264	1550	G	3 +1	AWG 3-4	1.06-1.13	4/4	135	264	91.3	0.78
								AWG 15-10	0.63-0.67	3/4	101	218	91.2	0.71
								Rubber Cable		2/4	68	176	91.0	0.59
								[ S1BN8-F ]		1/4	36	149	86.1	0.36

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
858UTG	115	104	888	174	1027	G	2	AWG 1-4	1.19-1.27	4/4	93.2	174	92.0	0.81
-							+1	AWG 15-10	0.63-0.67	3/4	70.1	142	91.8	0.75
-								Rubber Cable [ S1BN8-F ]		2/4	47.3	113	90.6	0.64
-										1/4	25.2	88	85.2	0.43
1208UTG	160	104	885	246	1304	F	2	AWG 1/0-4	1.37-1.45	4/4	130	246	92.0	0.80
-							+1	AWG 15-10	0.63-0.67	3/4	97	197	91.9	0.75
-								Rubber Cable [ S1BN8-F ]		2/4	66	156	90.7	0.64
-										1/4	35	126	85.5	0.42
2058UTG	275	104	894	403	2172	F	4	AWG 1/0-4	1.37-1.45	4/4	221	403	93.0	0.83
-							+1	AWG 15-10	0.63-0.67	3/4	166	320	92.7	0.79
-								Rubber Cable [ S1BN8-F ]		2/4	112	251	91.5	0.68
-										1/4	59	200	86.7	0.45
2508UTG	335	104	894	487	2629	F	4	AWG 1/0-4	1.37-1.45	4/4	269	487	92.8	0.84
-							+1	AWG 15-10	0.63-0.67	3/4	203	395	92.4	0.78
-								Rubber Cable [ S1BN8-F ]		2/4	137	316	90.9	0.66
-										1/4	73	252	85.8	0.44
2908UTG	390	104	894	580	3248	F	4	AWG 3/0-4	1.52-1.64	4/4	313	580	93.0	0.82
-							+1	AWG 15-10	0.63-0.67	3/4	236	459	92.6	0.78
-								Rubber Cable [ S1BN8-F ]		2/4	159	362	91.2	0.67
-										1/4	84	298	86.3	0.43

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

motor type	motor rating P2	max. temp. pumped media [hp]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA		cable size power + control cable			motor data				
					I <sub>s</sub>	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
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
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
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
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
31010UTG	415	104	714	628	3642	G	6	AWG 1/0-4	1.37-1.45	4/4	331	628	93.5	0.80
								AWG 15-10	0.63-0.67	3/4	250	513	92.9	0.74
								Rubber Cable		2/4	169	421	91.6	0.61
								[ S1BN8-F ]		1/4	89	347	86.7	0.39

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [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 +1	AWG 1/0-4	1.37-1.45	4/4	203	435	91.9	0.71
								AWG 15-10	0.63-0.67	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
25012UTG	335	104	592	554	2716	F	4 +1	AWG 3/0-4	1.52-1.64	4/4	270	554	92.6	0.74
								AWG 15-10	0.63-0.67	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 +1	AWG 1/0-4	1.37-1.45	4/4	345	708	93.0	0.74
								AWG 15-10	0.63-0.67	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 +1	AWG 3/0-4	1.52-1.64	4/4	402	847	92.8	0.72
								AWG 15-10	0.63-0.67	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



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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- ed media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		Qty.	cable size power + control cable		motor data				
					I <sub>s</sub> [A]	NEMA code letter		type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
266UAG -	33	104	1177	44.6	265	H	1 +1	AWG 7-4	0.72-0.77	4/4	28.4	44.6	86.7	0.80
								AWG 15-10	0.63-0.67	3/4	21.6	35.5	85.6	0.76
								Rubber Cable		2/4	14.9	28.2	82.5	0.66
								[ S1BN8-F ]		1/4	8.4	22.9	73.2	0.46
306UAG -	45	104	1169	60.0	265	E	1 +1	AWG 5-4	0.89-0.94	4/4	38.6	60.0	86.9	0.81
								AWG 15-10	0.63-0.67	3/4	29.1	45.5	86.5	0.80
								Rubber Cable		2/4	19.6	33.3	85.7	0.74
								[ S1BN8-F ]		1/4	10.9	24.6	77.2	0.55
506UAG -	63	104	1175	92.0	463	G	1 +1	AWG 3-4	1.06-1.13	4/4	53.7	92.0	87.5	0.73
								AWG 15-10	0.63-0.67	3/4	40.3	74.0	87.4	0.68
								Rubber Cable		2/4	27.2	59.6	86.4	0.57
								[ S1BN8-F ]		1/4	15.0	50.5	78.4	0.37
656UAG -	80	104	1177	115	610	G	2 +1	AWG 5-4	0.89-0.94	4/4	67.0	115	89.0	0.73
								AWG 15-10	0.63-0.67	3/4	50.6	95	88.5	0.67
								Rubber Cable		2/4	34.4	77	86.6	0.56
								[ S1BN8-F ]		1/4	18.9	66	78.8	0.36
806UAG -	100	104	1180	141	705	G	2 +1	AWG 3-4	1.06-1.13	4/4	83.3	141	89.5	0.74
								AWG 15-10	0.63-0.67	3/4	62.6	117	89.4	0.67
								Rubber Cable		2/4	42.5	97	87.8	0.55
								[ S1BN8-F ]		1/4	23.2	83	80.5	0.35
1006UAG -	125	104	1180	176	950	G	2 +1	AWG 3-4	1.06-1.13	4/4	104	176	90.0	0.74
								AWG 15-10	0.63-0.67	3/4	78	148	89.9	0.66
								Rubber Cable		2/4	53	125	88.3	0.53
								[ S1BN8-F ]		1/4	29	109	81.5	0.33
1206UAG -	145	104	1180	205	1087	G	2 +1	AWG 1-4	1.19-1.27	4/4	120	205	90.5	0.73
								AWG 15-10	0.63-0.67	3/4	90	177	90.1	0.64
								Rubber Cable		2/4	62	154	87.2	0.51
								[ S1BN8-F ]		1/4	34	136	79.5	0.31

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
758UAG -	100	104	885	132	818	H	2 +1	AWG 5-4	0.89-0.94	4/4	82.2	132	90.7	0.78
								AWG 15-10	0.63-0.67	3/4	62.1	107	90.0	0.73
								Rubber Cable		2/4	42.1	87	88.5	0.61
								[S1BN8-F]		1/4	22.7	71	82.0	0.40
1008UAG -	135	104	884	185	1140	H	2 +1	AWG 3-4	1.06-1.13	4/4	111	185	91.1	0.75
								AWG 15-10	0.63-0.67	3/4	83	155	91.0	0.67
								Rubber Cable		2/4	56	129	89.6	0.55
								[S1BN8-F]		1/4	30	112	83.9	0.34
1208UAG -	165	104	882	218	1280	G	2 +1	AWG 1-4	1.19-1.27	4/4	135	218	91.3	0.78
								AWG 15-10	0.63-0.67	3/4	101	180	91.2	0.71
								Rubber Cable		2/4	68	145	91.0	0.59
								[S1BN8-F]		1/4	36	123	86.1	0.36

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
858UTG	115	104	888	144	850	G	2	AWG 3-4	1.06-1.13	4/4	93.2	144	92.0	0.81
-							+1	AWG 15-10	0.63-0.67	3/4	70.1	117	91.8	0.75
-								Rubber Cable [ S1BN8-F ]		2/4	47.3	93	90.6	0.64
-										1/4	25.2	73	85.2	0.43
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 [ S1BN8-F ]		2/4	66	129	90.7	0.64
-										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 [ S1BN8-F ]		2/4	88	179	90.7	0.62
-										1/4	47	147	85.3	0.40
2058UTG	275	104	894	333	1795	F	4	AWG 1-4	1.19-1.27	4/4	221	333	93.0	0.83
-							+1	AWG 15-10	0.63-0.67	3/4	166	264	92.7	0.79
-								Rubber Cable [ S1BN8-F ]		2/4	112	207	91.5	0.68
-										1/4	59	165	86.7	0.45
2508UTG	335	104	894	402	2170	F	4	AWG 1/0-4	1.37-1.45	4/4	269	402	92.8	0.84
-							+1	AWG 15-10	0.63-0.67	3/4	203	326	92.4	0.78
-								Rubber Cable [ S1BN8-F ]		2/4	137	261	90.9	0.66
-										1/4	73	208	85.8	0.44
2908UTG	390	104	894	479	2682	F	4	AWG 1/0-4	1.37-1.45	4/4	313	479	93.0	0.82
-							+1	AWG 15-10	0.63-0.67	3/4	236	379	92.6	0.78
-								Rubber Cable [ S1BN8-F ]		2/4	159	299	91.2	0.67
-										1/4	84	246	86.3	0.43

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA I <sub>s</sub> [A]	NEMA code letter	cable size power + control cable			motor data				
							Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
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	0.63-0.67	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	0.63-0.67	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	0.63-0.67	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
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	0.63-0.67	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	0.63-0.67	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
31010UTG	415	104	714	519	3010	G	6	AWG 1-4	1.19-1.27	4/4	331	519	93.5	0.80
							+1	AWG 15-10	0.63-0.67	3/4	250	424	92.9	0.74
								Rubber Cable		2/4	169	348	91.6	0.61
								[ S1BN8-F ]		1/4	89	287	86.7	0.39

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

motor type	motor rating P2	max. temp. pumped media [hp]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA		cable size power + control cable			motor data				
					I <sub>s</sub>	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 +1	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
25012UTG	335	104	592	458	2245	F	4 +1	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 +1	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 +1	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

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
266UAG -	33	104	1177	35.7	212	H	1 +1	AWG 9-4	0.56-0.60	4/4	28.4	35.7	86.7	0.80
								AWG 15-10	0.63-0.67	3/4	21.6	28.4	85.6	0.76
								Rubber Cable		2/4	14.9	22.6	82.5	0.66
								[ S1BN8-F ]		1/4	8.4	18.3	73.2	0.46
306UAG -	45	104	1169	48.0	212	E	1 +1	AWG 7-4	0.72-0.77	4/4	38.6	48.0	86.9	0.81
								AWG 15-10	0.63-0.67	3/4	29.1	36.4	86.5	0.80
								Rubber Cable		2/4	19.6	26.6	85.7	0.74
								[ S1BN8-F ]		1/4	10.9	19.7	77.2	0.55
506UAG -	63	104	1175	73.6	370	G	2 +1	AWG 9-4	0.56-0.60	4/4	53.7	73.6	87.5	0.73
								AWG 15-10	0.63-0.67	3/4	40.3	59.2	87.4	0.68
								Rubber Cable		2/4	27.2	47.7	86.4	0.57
								[ S1BN8-F ]		1/4	15.0	40.4	78.4	0.37
656UAG -	80	104	1177	92.0	488	G	2 +1	AWG 7-4	0.72-0.77	4/4	67.0	92.0	89.0	0.73
								AWG 15-10	0.63-0.67	3/4	50.6	76.0	88.5	0.67
								Rubber Cable		2/4	34.4	61.6	86.6	0.56
								[ S1BN8-F ]		1/4	18.9	52.8	78.8	0.36
806UAG -	100	104	1180	113	565	G	2 +1	AWG 5-4	0.89-0.94	4/4	83.3	113	89.5	0.74
								AWG 15-10	0.63-0.67	3/4	62.6	94	89.4	0.67
								Rubber Cable		2/4	42.5	78	87.8	0.55
								[ S1BN8-F ]		1/4	23.2	66	80.5	0.35
1006UAG -	125	104	1180	141	761	G	2 +1	AWG 3-4	1.06-1.13	4/4	104	141	90.0	0.74
								AWG 15-10	0.63-0.67	3/4	78	118	89.9	0.66
								Rubber Cable		2/4	53	100	88.3	0.53
								[ S1BN8-F ]		1/4	29	87	81.5	0.33
1206UAG -	145	104	1180	164	870	G	2 +1	AWG 3-4	1.06-1.13	4/4	120	164	90.5	0.73
								AWG 15-10	0.63-0.67	3/4	90	142	90.1	0.64
								Rubber Cable		2/4	62	123	87.2	0.51
								[ S1BN8-F ]		1/4	34	109	79.5	0.31

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
758UAG -	100	104	885	106	656	H	2 +1	AWG 5-4	0.89-0.94	4/4	82.2	106	90.7	0.78
								AWG 15-10	0.63-0.67	3/4	62.1	86	90.0	0.73
								Rubber Cable		2/4	42.1	70	88.5	0.61
								[ S1BN8-F ]		1/4	22.7	57	82.0	0.40
1008UAG -	135	104	884	148	912	H	2 +1	AWG 3-4	1.06-1.13	4/4	111	148	91.1	0.75
								AWG 15-10	0.63-0.67	3/4	83	124	91.0	0.67
								Rubber Cable		2/4	56	103	89.6	0.55
								[ S1BN8-F ]		1/4	30	90	83.9	0.34
1208UAG -	165	104	882	174	1022	G	2 +1	AWG 3-4	1.06-1.13	4/4	135	174	91.3	0.78
								AWG 15-10	0.63-0.67	3/4	101	144	91.2	0.71
								Rubber Cable		2/4	68	116	91.0	0.59
								[ S1BN8-F ]		1/4	36	98	86.1	0.36

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

motor type	motor rating P2	max. temp. pumped media	speed nom.	FLA	LRA		cable size power + control cable			motor data					
					n <sub>n</sub>	I <sub>n</sub>	I <sub>s</sub>	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]
	[hp]	[°F]	[rpm]	[A]	[A]										
858UTG	115	104	888	115	679	G	2	AWG 5-4	0.89-0.94	4/4	93.2	115	92.0	0.81	
-							+1	AWG 15-10	0.63-0.67	3/4	70.1	94	91.8	0.75	
-								Rubber Cable		2/4	47.3	74	90.6	0.64	
-								[S1BN8-F]		1/4	25.2	58	85.2	0.43	
1208UTG	160	104	885	162	859	F	2	AWG 1-4	1.19-1.27	4/4	130	162	92.0	0.80	
-							+1	AWG 15-10	0.63-0.67	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	4/4	174	221	92.3	0.79	
-							+1	AWG 15-10	0.63-0.67	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	
2058UTG	275	104	894	266	1434	F	4	AWG 3-4	1.06-1.13	4/4	221	266	93.0	0.83	
-							+1	AWG 15-10	0.63-0.67	3/4	166	211	92.7	0.79	
-								Rubber Cable		2/4	112	166	91.5	0.68	
-								[S1BN8-F]		1/4	59	132	86.7	0.45	
2508UTG	335	104	894	322	1738	F	4	AWG 1-4	1.19-1.27	4/4	269	322	92.8	0.84	
-							+1	AWG 15-10	0.63-0.67	3/4	203	261	92.4	0.78	
-								Rubber Cable		2/4	137	209	90.9	0.66	
-								[S1BN8-F]		1/4	73	166	85.8	0.44	
2908UTG	390	104	894	383	2145	F	4	AWG 1-4	1.19-1.27	4/4	313	383	93.0	0.82	
-							+1	AWG 15-10	0.63-0.67	3/4	236	303	92.6	0.78	
-								Rubber Cable		2/4	159	239	91.2	0.67	
-								[S1BN8-F]		1/4	84	197	86.3	0.43	



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

motor type	motor rating P2	max. temp. pumped media [hp]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA		cable size power + control cable			motor data				
					I <sub>s</sub>	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
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
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
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
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
31010UTG	415	104	714	415	2407	G	4	AWG 1/0-4	1.37-1.45	4/4	331	415	93.5	0.80
								AWG 15-10	0.63-0.67	3/4	250	339	92.9	0.74
								Rubber Cable		2/4	169	278	91.6	0.61
								[ S1BN8-F ]		1/4	89	230	86.7	0.39

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

motor type	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n <sub>n</sub> [rpm]	FLA I <sub>n</sub> [A]	LRA		cable size power + control cable			motor data				
					I <sub>s</sub> [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 +1	AWG 3/0-4	1.52-1.64	4/4	203	287	91.9	0.71
								AWG 15-10	0.63-0.67	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
25012UTG	335	104	592	366	1794	F	4 +1	AWG 1-4	1.19-1.27	4/4	270	366	92.6	0.74
								AWG 15-10	0.63-0.67	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 +1	AWG 1/0-4	1.37-1.45	4/4	345	468	93.0	0.74
								AWG 15-10	0.63-0.67	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 +1	AWG 1-4	1.19-1.27	4/4	402	560	92.8	0.72
								AWG 15-10	0.63-0.67	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





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