

## Electrical data for submersible motors

60 Hz

standard range  
above 5 HP

M  
3 ~



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

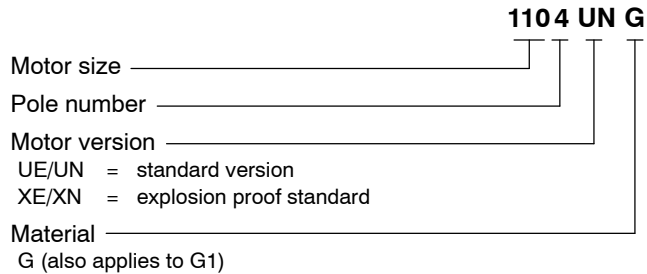
**Contents**

			Page	
General Description			2	
Motor data				
<b>Standard Motors</b>	<b>230 V</b>	<b>8-pol.</b>	5	
	<b>380 V</b>	<b>6-pol.</b>	6	
		<b>8-pol.</b>	8	
		<b>10-pol.</b>	11	
	<b>460 V</b>	<b>6-pol.</b>	13	
		<b>8-pol.</b>	15	
		<b>10-pol.</b>	18	
	<b>575 V</b>	<b>6-pol.</b>	20	
		<b>8-pol.</b>	22	
		<b>10-pol.</b>	25	
	<b>Energy Saving Motors</b>	<b>230 V</b>	<b>8-pol.</b>	27
		<b>380 V</b>	<b>6-pol.</b>	28
<b>8-pol.</b>			29	
<b>460 V</b>		<b>6-pol.</b>	32	
		<b>8-pol.</b>	33	
<b>575 V</b>		<b>6-pol.</b>	36	
		<b>8-pol.</b>	37	

## General Description

All motors of Amacan K submersible motor pumps are three-phase squirrel-cage motors.

### Type designation:



**Frequency:** 60 Hz

### Voltage:

Standard voltages: 230 V, 380 V, 460 V and 575 V.

For further voltage ratings please consult factory.

The mains voltage and mains frequency may fluctuate around the rated values as defined for zone B to IEC 60034-1. The voltage difference between the individual phases must not exceed 1 %.

### Mode of operation:

The motors are designed for continuous operation S1, provided the operating conditions specified for the installation type of the submersible motor pump are met.

### 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

### Operation with variable frequency drive (VFD):

Amacan K motors are basically appropriate for an operation with VFD.

**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.**



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

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 [-]
118UEG	15	104	880	47.8	282	J	1	AWG 7-7+15-5	0.96-1.08	4/4	12.9	47.8	86.5	0.68
-								Rubber Cable [S1BN8-F]		3/4	9.8	41.8	85.4	0.59
										2/4	6.9	38.2	81.6	0.45
										1/4	3.9	34.6	72.0	0.28
118XEG	15	104	880	47.8	282	J	1	AWG 7-7+15-5	0.96-1.08	4/4	12.9	47.8	86.5	0.68
-								Rubber Cable [S1BN8-F]		3/4	9.8	41.8	85.4	0.59
										2/4	6.9	38.2	81.6	0.45
										1/4	3.9	34.6	72.0	0.28
158UEG	20	104	875	63.6	330	H	1	AWG 5-4	0.89-0.94	4/4	17.2	63.6	86.5	0.68
-							+1	AWG 15-8	0.56-0.60	3/4	13.1	54.6	85.7	0.60
								Rubber Cable [S1BN8-F]		2/4	9.0	50.2	83.0	0.45
										1/4	5.0	46.8	74.0	0.27
158XEG	20	104	875	63.6	330	H	1	AWG 5-4	0.89-0.94	4/4	17.2	63.6	86.5	0.68
-							+1	AWG 15-8	0.56-0.60	3/4	13.1	54.6	85.7	0.60
								Rubber Cable [S1BN8-F]		2/4	9.0	50.2	83.0	0.45
										1/4	5.0	46.8	74.0	0.27

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- 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 [-]
226UEG	30	104	1173	47.0	333	J	1	AWG 7-7+15-5	0.96-1.08	4/4	24.4	47.0	91.7	0.79
-								Rubber Cable [ S1BN8-F ]		3/4	18.3	38.1	91.7	0.73
										2/4	12.3	31.1	91.2	0.60
										1/4	6.4	25.1	87.0	0.39
226XEG	30	104	1173	47.0	333	J	1	AWG 7-7+15-5	0.96-1.08	4/4	24.4	47.0	91.7	0.79
-								Rubber Cable [ S1BN8-F ]		3/4	18.3	38.1	91.7	0.73
										2/4	12.3	31.1	91.2	0.60
										1/4	6.4	25.1	87.0	0.39
306UEG	40	104	1169	62.1	413	H	1	AWG 7-7+15-5	0.96-1.08	4/4	32.7	62.1	91.2	0.80
-								Rubber Cable [ S1BN8-F ]		3/4	24.4	50.7	91.8	0.73
										2/4	16.3	40.6	91.5	0.61
										1/4	8.5	33.0	87.9	0.39
306XEG	40	104	1169	62.1	413	H	1	AWG 7-7+15-5	0.96-1.08	4/4	32.7	62.1	91.2	0.80
-								Rubber Cable [ S1BN8-F ]		3/4	24.4	50.7	91.8	0.73
										2/4	16.3	40.6	91.5	0.61
										1/4	8.5	33.0	87.9	0.39
376UEG	50	104	1187	72.9	569	J	2	AWG 7-4	0.72-0.77	4/4	41.2	72.9	90.4	0.86
-							+1	AWG 15-8	0.56-0.60	3/4	31.1	57.7	90.0	0.82
								Rubber Cable [ S1BN8-F ]		2/4	21.1	44.6	88.2	0.72
										1/4	11.5	34.8	81.2	0.50
376XEG	50	104	1187	72.9	569	J	2	AWG 7-4	0.72-0.77	4/4	41.2	72.9	90.4	0.86
-							+1	AWG 15-8	0.56-0.60	3/4	31.1	57.7	90.0	0.82
								Rubber Cable [ S1BN8-F ]		2/4	21.1	44.6	88.2	0.72
										1/4	11.5	34.8	81.2	0.50
456UEG	60	104	1189	85.0	654	J	2	AWG 7-4	0.72-0.77	4/4	48.6	85.0	92.0	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	36.6	68.8	91.6	0.81
								Rubber Cable [ S1BN8-F ]		2/4	24.9	54.7	90.0	0.69
										1/4	13.2	43.7	84.5	0.46
456XEG	60	104	1189	85.0	654	J	2	AWG 7-4	0.72-0.77	4/4	48.6	85.0	92.0	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	36.6	68.8	91.6	0.81
								Rubber Cable [ S1BN8-F ]		2/4	24.9	54.7	90.0	0.69
										1/4	13.2	43.7	84.5	0.46
556UEG	74	104	1187	104	807	J	2	AWG 5-4	0.89-0.94	4/4	59.7	104	92.5	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	44.9	83	92.2	0.82
								Rubber Cable [ S1BN8-F ]		2/4	30.4	67	90.9	0.69
										1/4	16.1	53	85.8	0.46
556XEG	74	104	1187	104	807	J	2	AWG 5-4	0.89-0.94	4/4	59.7	104	92.5	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	44.9	83	92.2	0.82
								Rubber Cable [ S1BN8-F ]		2/4	30.4	67	90.9	0.69
										1/4	16.1	53	85.8	0.46
606UNG	80	104	1179	113	653	F	2	AWG 5-4	0.89-0.94	4/4	65.8	113	90.7	0.88
-							+1	AWG 15-10	0.63-0.67	3/4	49.5	88	90.5	0.85
								Rubber Cable [ S1BN8-F ]		2/4	33.2	65	90.0	0.78
										1/4	17.5	46	85.3	0.58

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

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 [-]
606XNG -	80	104	1179	113	653	F	2 +1	AWG 5-4	0.89-0.94	4/4	65.8	113	90.7	0.88
								AWG 15-10	0.63-0.67	3/4	49.5	88	90.5	0.85
								Rubber Cable		2/4	33.2	65	90.0	0.78
								[ S1BN8-F ]		1/4	17.5	46	85.3	0.58
806UNG -	107	104	1178	153	826	F	2 +1	AWG 3-4	1.06-1.13	4/4	88.2	153	90.4	0.88
								AWG 15-10	0.63-0.67	3/4	65.7	116	91.2	0.86
								Rubber Cable		2/4	44.0	86	90.7	0.78
								[ S1BN8-F ]		1/4	23.2	62	85.8	0.57
806XNG -	107	104	1178	153	826	F	2 +1	AWG 3-4	1.06-1.13	4/4	88.2	153	90.4	0.88
								AWG 15-10	0.63-0.67	3/4	65.7	116	91.2	0.86
								Rubber Cable		2/4	44.0	86	90.7	0.78
								[ S1BN8-F ]		1/4	23.2	62	85.8	0.57

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

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		NEMA code letter	cable size power + control cable			motor data				
					I <sub>s</sub> [A]	Qty.		type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]	
118UEG	15	104	880	28.9	171	J	1	AWG 11-7+15-5	0.83-0.91	4/4	12.9	28.9	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	9.8	25.3	85.4	0.59	
-										2/4	6.9	23.1	81.6	0.45	
-										1/4	3.9	20.9	72.0	0.28	
118XEG	15	104	880	28.9	171	J	1	AWG 11-7+15-5	0.83-0.91	4/4	12.9	28.9	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	9.8	25.3	85.4	0.59	
-										2/4	6.9	23.1	81.6	0.45	
-										1/4	3.9	20.9	72.0	0.28	
158UEG	20	104	875	38.5	200	H	1	AWG 9-7+15-5	0.94-1.06	4/4	17.2	38.5	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	13.1	33.0	85.7	0.60	
-										2/4	9.0	30.4	83.0	0.45	
-										1/4	5.0	28.3	74.0	0.27	
158XEG	20	104	875	38.5	200	H	1	AWG 9-7+15-5	0.94-1.06	4/4	17.2	38.5	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	13.1	33.0	85.7	0.60	
-										2/4	9.0	30.4	83.0	0.45	
-										1/4	5.0	28.3	74.0	0.27	
188UEG	25	104	875	47.6	248	H	1	AWG 7-7+15-5	0.96-1.08	4/4	21.3	47.6	87.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	16.1	40.8	86.8	0.60	
-										2/4	11.1	35.0	84.3	0.48	
-										1/4	6.1	33.4	75.8	0.28	
188XEG	25	104	875	47.6	248	H	1	AWG 7-7+15-5	0.96-1.08	4/4	21.3	47.6	87.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	16.1	40.8	86.8	0.60	
-										2/4	11.1	35.0	84.3	0.48	
-										1/4	6.1	33.4	75.8	0.28	
228UEG	30	104	874	53.5	282	G	1	AWG 7-7+15-5	0.96-1.08	4/4	25.3	53.5	88.3	0.72	
-								Rubber Cable [S1BN8-F]		3/4	19.0	44.3	88.5	0.65	
-										2/4	12.8	37.5	87.1	0.52	
-										1/4	6.9	32.0	80.5	0.33	
228XEG	30	104	874	53.5	282	G	1	AWG 7-7+15-5	0.96-1.08	4/4	25.3	53.5	88.3	0.72	
-								Rubber Cable [S1BN8-F]		3/4	19.0	44.3	88.5	0.65	
-										2/4	12.8	37.5	87.1	0.52	
-										1/4	6.9	32.0	80.5	0.33	
308UEG	40	104	887	63.2	361	G	2	AWG 9-4	0.56-0.60	4/4	33.3	63.2	89.6	0.80	
-							+1	AWG 15-8	0.56-0.60	3/4	25.0	51.3	89.4	0.74	
-								Rubber Cable [S1BN8-F]		2/4	16.9	40.8	88.2	0.63	
-										1/4	9.1	33.8	81.9	0.41	
308XEG	40	104	887	63.2	361	G	2	AWG 9-4	0.56-0.60	4/4	33.3	63.2	89.6	0.80	
-							+1	AWG 15-8	0.56-0.60	3/4	25.0	51.3	89.4	0.74	
-								Rubber Cable [S1BN8-F]		2/4	16.9	40.8	88.2	0.63	
-										1/4	9.1	33.8	81.9	0.41	
378UEG	50	104	886	79.2	454	G	2	AWG 7-4	0.72-0.77	4/4	40.7	79.2	91.7	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	30.4	64.0	92.1	0.72	
-								Rubber Cable [S1BN8-F]		2/4	20.3	51.4	91.7	0.60	
-										1/4	10.6	43.5	88.0	0.37	



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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]	
	[hp]		[rpm]	[A]	[A]										
378XEG	50	104	886	79.2	454	G	2	AWG 7-4	0.72-0.77	4/4	40.7	79.2	91.7	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	30.4	64.0	92.1	0.72	
-								Rubber Cable		2/4	20.3	51.4	91.7	0.60	
-								[ S1BN8-F ]		1/4	10.6	43.5	88.0	0.37	
458UEG	60	104	885	94.3	557	G	2	AWG 5-4	0.89-0.94	4/4	48.4	94.3	92.4	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	36.4	78.0	92.2	0.71	
-								Rubber Cable		2/4	24.3	63.7	92.0	0.58	
-								[ S1BN8-F ]		1/4	12.7	53.5	88.3	0.36	
458XEG	60	104	885	94.3	557	G	2	AWG 5-4	0.89-0.94	4/4	48.4	94.3	92.4	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	36.4	78.0	92.2	0.71	
-								Rubber Cable		2/4	24.3	63.7	92.0	0.58	
-								[ S1BN8-F ]		1/4	12.7	53.5	88.3	0.36	
508UNG	67	104	885	108	562	F	2	AWG 5-4	0.89-0.94	4/4	55.8	108	89.5	0.78	
-							+1	AWG 15-10	0.63-0.67	3/4	42.0	88	89.3	0.72	
-								Rubber Cable		2/4	28.4	71	88.1	0.60	
-								[ S1BN8-F ]		1/4	15.3	61	81.6	0.38	
508XNG	67	104	885	108	562	F	2	AWG 5-4	0.89-0.94	4/4	55.8	108	89.5	0.78	
-							+1	AWG 15-10	0.63-0.67	3/4	42.0	88	89.3	0.72	
-								Rubber Cable		2/4	28.4	71	88.1	0.60	
-								[ S1BN8-F ]		1/4	15.3	61	81.6	0.38	
758UNG	100	104	883	159	843	F	2	AWG 3-4	1.06-1.13	4/4	82.4	159	90.5	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	62.0	128	90.3	0.73	
-								Rubber Cable		2/4	41.5	103	89.8	0.61	
-								[ S1BN8-F ]		1/4	22.2	86	84.0	0.39	
758XNG	100	104	883	159	843	F	2	AWG 3-4	1.06-1.13	4/4	82.4	159	90.5	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	62.0	128	90.3	0.73	
-								Rubber Cable		2/4	41.5	103	89.8	0.61	
-								[ S1BN8-F ]		1/4	22.2	86	84.0	0.39	
908UNG	121	104	890	188	1071	G	2	AWG 1-4	1.19-1.27	4/4	98.4	188	91.7	0.80	
-							+1	AWG 15-10	0.63-0.67	3/4	73.1	145	92.6	0.76	
-								Rubber Cable		2/4	49.2	113	91.7	0.66	
-								[ S1BN8-F ]		1/4	25.9	91	87.3	0.43	
908XNG	121	104	890	188	1071	G	2	AWG 1-4	1.19-1.27	4/4	98.4	188	91.7	0.80	
-							+1	AWG 15-10	0.63-0.67	3/4	73.1	145	92.6	0.76	
-								Rubber Cable		2/4	49.2	113	91.7	0.66	
-								[ S1BN8-F ]		1/4	25.9	91	87.3	0.43	
1108UNG	148	104	890	230	1324	G	2	AWG 1/0-4	1.37-1.45	4/4	119	230	92.4	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	90	188	91.9	0.73	
-								Rubber Cable		2/4	61	153	90.9	0.60	
-								[ S1BN8-F ]		1/4	32	126	86.0	0.39	
1108XNG	148	104	890	230	1324	G	2	AWG 1/0-4	1.37-1.45	4/4	119	230	92.4	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	90	188	91.9	0.73	
-								Rubber Cable		2/4	61	153	90.9	0.60	
-								[ S1BN8-F ]		1/4	32	126	86.0	0.39	

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

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 [-]
1308UNG	174	104	890	265	1482	G	2	AWG 3/0-4	1.52-1.64	4/4	140	265	92.7	0.80
								AWG 15-10	0.63-0.67	3/4	105	211	92.7	0.76
								Rubber Cable		2/4	71	166	91.6	0.65
								[ S1BN8-F ]		1/4	37	133	87.2	0.42
1308XNG	174	104	890	265	1482	G	2	AWG 3/0-4	1.52-1.64	4/4	140	265	92.7	0.80
								AWG 15-10	0.63-0.67	3/4	105	211	92.7	0.76
								Rubber Cable		2/4	71	166	91.6	0.65
								[ S1BN8-F ]		1/4	37	133	87.2	0.42
1508UNG	200	104	895	299	1810	G	2	AWG 3/0-4	1.52-1.64	4/4	159	299	93.6	0.81
								AWG 15-10	0.63-0.67	3/4	120	240	93.2	0.76
								Rubber Cable		2/4	81	189	92.1	0.65
								[ S1BN8-F ]		1/4	43	156	86.7	0.42
1508XNG	200	104	895	299	1810	G	2	AWG 3/0-4	1.52-1.64	4/4	159	299	93.6	0.81
								AWG 15-10	0.63-0.67	3/4	120	240	93.2	0.76
								Rubber Cable		2/4	81	189	92.1	0.65
								[ S1BN8-F ]		1/4	43	156	86.7	0.42
1858UNG	250	104	895	378	2300	G	4	AWG 1-4	1.19-1.27	4/4	199	378	93.7	0.80
								AWG 15-10	0.63-0.67	3/4	149	302	93.8	0.75
								Rubber Cable		2/4	101	244	92.3	0.63
								[ S1BN8-F ]		1/4	53	196	87.9	0.41
1858XNG	250	104	895	378	2300	G	4	AWG 1-4	1.19-1.27	4/4	199	378	93.7	0.80
								AWG 15-10	0.63-0.67	3/4	149	302	93.8	0.75
								Rubber Cable		2/4	101	244	92.3	0.63
								[ S1BN8-F ]		1/4	53	196	87.9	0.41
2208UNG	295	104	894	423	2360	F	4	AWG 1/0-4	1.37-1.45	4/4	234	423	94.0	0.84
								AWG 15-10	0.63-0.67	3/4	175	332	94.3	0.80
								Rubber Cable		2/4	117	254	94.0	0.70
								[ S1BN8-F ]		1/4	61	193	90.2	0.48
2208XNG	295	104	894	423	2360	F	4	AWG 1/0-4	1.37-1.45	4/4	234	423	94.0	0.84
								AWG 15-10	0.63-0.67	3/4	175	332	94.3	0.80
								Rubber Cable		2/4	117	254	94.0	0.70
								[ S1BN8-F ]		1/4	61	193	90.2	0.48
2608UNG	350	104	895	514	3084	G	4	AWG 3/0-4	1.52-1.64	4/4	277	514	94.1	0.82
								AWG 15-10	0.63-0.67	3/4	208	410	94.0	0.77
								Rubber Cable		2/4	140	323	93.0	0.66
								[ S1BN8-F ]		1/4	74	254	88.8	0.44
2608XNG	350	104	895	514	3084	G	4	AWG 3/0-4	1.52-1.64	4/4	277	514	94.1	0.82
								AWG 15-10	0.63-0.67	3/4	208	410	94.0	0.77
								Rubber Cable		2/4	140	323	93.0	0.66
								[ S1BN8-F ]		1/4	74	254	88.8	0.44

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

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 [-]
4010UNG	50	104	711	87.8	513	H	2	AWG 5-4	0.89-0.94	4/4	41.8	87.8	89.3	0.72
								AWG 15-10	0.63-0.67	3/4	31.3	69.6	89.4	0.68
								Rubber Cable		2/4	21.4	58.8	87.0	0.55
								[ S1BN8-F ]		1/4	11.8	51.3	79.0	0.35
4010XNG	50	104	711	87.8	513	H	2	AWG 5-4	0.89-0.94	4/4	41.8	87.8	89.3	0.72
								AWG 15-10	0.63-0.67	3/4	31.3	69.6	89.4	0.68
								Rubber Cable		2/4	21.4	58.8	87.0	0.55
								[ S1BN8-F ]		1/4	11.8	51.3	79.0	0.35
6010UNG	80	104	710	138	758	G	2	AWG 3-4	1.06-1.13	4/4	66.5	138	89.7	0.73
								AWG 15-10	0.63-0.67	3/4	50.4	116	88.8	0.66
								Rubber Cable		2/4	34.4	100	86.6	0.52
								[ S1BN8-F ]		1/4	18.8	88	79.3	0.32
6010XNG	80	104	710	138	758	G	2	AWG 3-4	1.06-1.13	4/4	66.5	138	89.7	0.73
								AWG 15-10	0.63-0.67	3/4	50.4	116	88.8	0.66
								Rubber Cable		2/4	34.4	100	86.6	0.52
								[ S1BN8-F ]		1/4	18.8	88	79.3	0.32
7510UNG	100	104	707	161	805	F	2	AWG 3-4	1.06-1.13	4/4	81.8	161	91.2	0.77
								AWG 15-10	0.63-0.67	3/4	61.4	131	91.1	0.71
								Rubber Cable		2/4	41.4	107	90.2	0.59
								[ S1BN8-F ]		1/4	21.9	90	85.1	0.37
7510XNG	100	104	707	161	805	F	2	AWG 3-4	1.06-1.13	4/4	81.8	161	91.2	0.77
								AWG 15-10	0.63-0.67	3/4	61.4	131	91.1	0.71
								Rubber Cable		2/4	41.4	107	90.2	0.59
								[ S1BN8-F ]		1/4	21.9	90	85.1	0.37
9010UNG	121	104	710	202	1070	G	2	AWG 1/0-4	1.37-1.45	4/4	98.9	202	91.2	0.74
								AWG 15-10	0.63-0.67	3/4	74.3	169	91.1	0.67
								Rubber Cable		2/4	50.1	139	90.0	0.55
								[ S1BN8-F ]		1/4	26.7	121	84.5	0.34
9010XNG	121	104	710	202	1070	G	2	AWG 1/0-4	1.37-1.45	4/4	98.9	202	91.2	0.74
								AWG 15-10	0.63-0.67	3/4	74.3	169	91.1	0.67
								Rubber Cable		2/4	50.1	139	90.0	0.55
								[ S1BN8-F ]		1/4	26.7	121	84.5	0.34
11010UNG	148	104	715	241	1392	G	2	AWG 1/0-4	1.37-1.45	4/4	119	241	92.4	0.75
								AWG 15-10	0.63-0.67	3/4	90	194	92.1	0.70
								Rubber Cable		2/4	61	160	90.5	0.58
								[ S1BN8-F ]		1/4	33	140	84.1	0.36
11010XNG	148	104	715	241	1392	G	2	AWG 1/0-4	1.37-1.45	4/4	119	241	92.4	0.75
								AWG 15-10	0.63-0.67	3/4	90	194	92.1	0.70
								Rubber Cable		2/4	61	160	90.5	0.58
								[ S1BN8-F ]		1/4	33	140	84.1	0.36
15010UNG	200	104	715	320	1836	G	4	AWG 1-4	1.19-1.27	4/4	160	320	93.2	0.76
								AWG 15-10	0.63-0.67	3/4	121	259	92.4	0.71
								Rubber Cable		2/4	81	212	92.1	0.58
								[ S1BN8-F ]		1/4	43	177	86.7	0.37

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

**standard motor**

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 [-]
15010XNG	200	104	715	320	1836	G	4 +1	AWG 1-4	1.19-1.27	4/4	160	320	93.2	0.76
								AWG 15-10	0.63-0.67	3/4	121	259	92.4	0.71
								Rubber Cable		2/4	81	212	92.1	0.58
								[S1BN8-F]		1/4	43	177	86.7	0.37

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- 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 [-]
226UEG -	30	104	1173	38.8	275	J	1	AWG 9-7+15-5	0.94-1.06	4/4	24.4	38.8	91.7	0.79
								Rubber Cable		3/4	18.3	31.5	91.7	0.73
								[ S1BN8-F ]		2/4	12.3	25.7	91.2	0.60
										1/4	6.4	20.7	87.0	0.39
226XEG -	30	104	1173	38.8	275	J	1	AWG 9-7+15-5	0.94-1.06	4/4	24.4	38.8	91.7	0.79
								Rubber Cable		3/4	18.3	31.5	91.7	0.73
								[ S1BN8-F ]		2/4	12.3	25.7	91.2	0.60
										1/4	6.4	20.7	87.0	0.39
306UEG -	40	104	1169	51.3	341	H	1	AWG 7-7+15-5	0.96-1.08	4/4	32.7	51.3	91.2	0.80
								Rubber Cable		3/4	24.4	41.9	91.8	0.73
								[ S1BN8-F ]		2/4	16.3	33.5	91.5	0.61
										1/4	8.5	27.3	87.9	0.39
306XEG -	40	104	1169	51.3	341	H	1	AWG 7-7+15-5	0.96-1.08	4/4	32.7	51.3	91.2	0.80
								Rubber Cable		3/4	24.4	41.9	91.8	0.73
								[ S1BN8-F ]		2/4	16.3	33.5	91.5	0.61
										1/4	8.5	27.3	87.9	0.39
376UEG -	50	104	1187	60.2	470	J	2 +1	AWG 9-4	0.56-0.60	4/4	41.2	60.2	90.4	0.86
								AWG 15-8		3/4	31.1	47.6	90.0	0.82
								Rubber Cable		2/4	21.1	36.9	88.2	0.72
								[ S1BN8-F ]		1/4	11.5	28.8	81.2	0.50
376XEG -	50	104	1187	60.2	470	J	2 +1	AWG 9-4	0.56-0.60	4/4	41.2	60.2	90.4	0.86
								AWG 15-8		3/4	31.1	47.6	90.0	0.82
								Rubber Cable		2/4	21.1	36.9	88.2	0.72
								[ S1BN8-F ]		1/4	11.5	28.8	81.2	0.50
456UEG -	60	104	1189	70.2	540	J	2 +1	AWG 7-4	0.72-0.77	4/4	48.6	70.2	92.0	0.87
								AWG 15-8		3/4	36.6	56.8	91.6	0.81
								Rubber Cable		2/4	24.9	45.2	90.0	0.69
								[ S1BN8-F ]		1/4	13.2	36.1	84.5	0.46
456XEG -	60	104	1189	70.2	540	J	2 +1	AWG 7-4	0.72-0.77	4/4	48.6	70.2	92.0	0.87
								AWG 15-8		3/4	36.6	56.8	91.6	0.81
								Rubber Cable		2/4	24.9	45.2	90.0	0.69
								[ S1BN8-F ]		1/4	13.2	36.1	84.5	0.46
556UEG -	74	104	1187	86.1	668	J	2 +1	AWG 7-4	0.72-0.77	4/4	59.7	86.1	92.5	0.87
								AWG 15-8		3/4	44.9	68.7	92.2	0.82
								Rubber Cable		2/4	30.4	55.2	90.9	0.69
								[ S1BN8-F ]		1/4	16.1	43.9	85.8	0.46
556XEG -	74	104	1187	86.1	668	J	2 +1	AWG 7-4	0.72-0.77	4/4	59.7	86.1	92.5	0.87
								AWG 15-8		3/4	44.9	68.7	92.2	0.82
								Rubber Cable		2/4	30.4	55.2	90.9	0.69
								[ S1BN8-F ]		1/4	16.1	43.9	85.8	0.46
606UNG -	80	104	1179	93.5	540	F	2 +1	AWG 5-4	0.89-0.94	4/4	65.8	93.5	90.7	0.88
								AWG 15-10		3/4	49.5	73.0	90.5	0.85
								Rubber Cable		2/4	33.2	53.5	90.0	0.78
								[ S1BN8-F ]		1/4	17.5	37.6	85.3	0.58

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

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 [-]
606XNG -	80	104	1179	93.5	540	F	2 +1	AWG 5-4	0.89-0.94	4/4	65.8	93.5	90.7	0.88
								AWG 15-10	0.63-0.67	3/4	49.5	73.0	90.5	0.85
								Rubber Cable		2/4	33.2	53.5	90.0	0.78
								[ S1BN8-F ]		1/4	17.5	37.6	85.3	0.58
806UNG -	107	104	1178	126	680	F	2 +1	AWG 3-4	1.06-1.13	4/4	88.2	126	90.4	0.88
								AWG 15-10	0.63-0.67	3/4	65.7	96	91.2	0.86
								Rubber Cable		2/4	44.0	71	90.7	0.78
								[ S1BN8-F ]		1/4	23.2	51	85.8	0.57
806XNG -	107	104	1178	126	680	F	2 +1	AWG 3-4	1.06-1.13	4/4	88.2	126	90.4	0.88
								AWG 15-10	0.63-0.67	3/4	65.7	96	91.2	0.86
								Rubber Cable		2/4	44.0	71	90.7	0.78
								[ S1BN8-F ]		1/4	23.2	51	85.8	0.57

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]	
	[hp]		[rpm]	[A]	[A]										
118UEG	15	104	880	23.9	141	J	1	AWG 13-12	0.73-0.77	4/4	12.9	23.9	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	9.8	20.9	85.4	0.59	
										2/4	6.9	19.1	81.6	0.45	
										1/4	3.9	17.3	72.0	0.28	
118XEG	15	104	880	23.9	141	J	1	AWG 13-12	0.73-0.77	4/4	12.9	23.9	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	9.8	20.9	85.4	0.59	
										2/4	6.9	19.1	81.6	0.45	
										1/4	3.9	17.3	72.0	0.28	
158UEG	20	104	875	31.8	165	H	1	AWG 11-7+15-5	0.83-0.91	4/4	17.2	31.8	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	13.1	27.3	85.7	0.60	
										2/4	9.0	25.1	83.0	0.45	
										1/4	5.0	23.4	74.0	0.27	
158XEG	20	104	875	31.8	165	H	1	AWG 11-7+15-5	0.83-0.91	4/4	17.2	31.8	86.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	13.1	27.3	85.7	0.60	
										2/4	9.0	25.1	83.0	0.45	
										1/4	5.0	23.4	74.0	0.27	
188UEG	25	104	875	39.3	205	H	1	AWG 9-7+15-5	0.94-1.06	4/4	21.3	39.3	87.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	16.1	33.7	86.8	0.60	
										2/4	11.1	28.9	84.3	0.48	
										1/4	6.1	27.6	75.8	0.28	
188XEG	25	104	875	39.3	205	H	1	AWG 9-7+15-5	0.94-1.06	4/4	21.3	39.3	87.5	0.68	
-								Rubber Cable [S1BN8-F]		3/4	16.1	33.7	86.8	0.60	
										2/4	11.1	28.9	84.3	0.48	
										1/4	6.1	27.6	75.8	0.28	
228UEG	30	104	874	44.2	233	G	1	AWG 9-7+15-5	0.94-1.06	4/4	25.3	44.2	88.3	0.72	
-								Rubber Cable [S1BN8-F]		3/4	19.0	36.6	88.5	0.65	
										2/4	12.8	31.0	87.1	0.52	
										1/4	6.9	26.4	80.5	0.33	
228XEG	30	104	874	44.2	233	G	1	AWG 9-7+15-5	0.94-1.06	4/4	25.3	44.2	88.3	0.72	
-								Rubber Cable [S1BN8-F]		3/4	19.0	36.6	88.5	0.65	
										2/4	12.8	31.0	87.1	0.52	
										1/4	6.9	26.4	80.5	0.33	
308UEG	40	104	887	52.2	298	G	2	AWG 9-4	0.56-0.60	4/4	33.3	52.2	89.6	0.80	
-							+1	AWG 15-8	0.56-0.60	3/4	25.0	42.4	89.4	0.74	
								Rubber Cable [S1BN8-F]		2/4	16.9	33.7	88.2	0.63	
										1/4	9.1	27.9	81.9	0.41	
308XEG	40	104	887	52.2	298	G	2	AWG 9-4	0.56-0.60	4/4	33.3	52.2	89.6	0.80	
-							+1	AWG 15-8	0.56-0.60	3/4	25.0	42.4	89.4	0.74	
								Rubber Cable [S1BN8-F]		2/4	16.9	33.7	88.2	0.63	
										1/4	9.1	27.9	81.9	0.41	
378UEG	50	104	886	65.4	375	G	2	AWG 7-4	0.72-0.77	4/4	40.7	65.4	91.7	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	30.4	52.9	92.1	0.72	
								Rubber Cable [S1BN8-F]		2/4	20.3	42.5	91.7	0.60	
										1/4	10.6	35.9	88.0	0.37	

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]
378XEG -	50	104	886	65.4	375	G	2 +1	AWG 7-4	0.72-0.77	4/4	40.7	65.4	91.7	0.78
								AWG 15-8	0.56-0.60	3/4	30.4	52.9	92.1	0.72
								Rubber Cable		2/4	20.3	42.5	91.7	0.60
								[S1BN8-F]		1/4	10.6	35.9	88.0	0.37
458UEG -	60	104	885	77.9	460	G	2 +1	AWG 7-4	0.72-0.77	4/4	48.4	77.9	92.4	0.78
								AWG 15-8	0.56-0.60	3/4	36.4	64.4	92.2	0.71
								Rubber Cable		2/4	24.3	52.6	92.0	0.58
								[S1BN8-F]		1/4	12.7	44.2	88.3	0.36
458XEG -	60	104	885	77.9	460	G	2 +1	AWG 7-4	0.72-0.77	4/4	48.4	77.9	92.4	0.78
								AWG 15-8	0.56-0.60	3/4	36.4	64.4	92.2	0.71
								Rubber Cable		2/4	24.3	52.6	92.0	0.58
								[S1BN8-F]		1/4	12.7	44.2	88.3	0.36
508UNG -	67	104	885	89.5	466	F	2 +1	AWG 7-4	0.72-0.77	4/4	55.8	89.5	89.5	0.78
								AWG 15-10	0.63-0.67	3/4	42.0	73.0	89.3	0.72
								Rubber Cable		2/4	28.4	59.0	88.1	0.60
								[S1BN8-F]		1/4	15.3	50.0	81.6	0.38
508XNG -	67	104	885	89.5	466	F	2 +1	AWG 7-4	0.72-0.77	4/4	55.8	89.5	89.5	0.78
								AWG 15-10	0.63-0.67	3/4	42.0	73.0	89.3	0.72
								Rubber Cable		2/4	28.4	59.0	88.1	0.60
								[S1BN8-F]		1/4	15.3	50.0	81.6	0.38
758UNG -	100	104	883	131	695	F	2 +1	AWG 3-4	1.06-1.13	4/4	82.4	131	90.5	0.79
								AWG 15-10	0.63-0.67	3/4	62.0	106	90.3	0.73
								Rubber Cable		2/4	41.5	85	89.8	0.61
								[S1BN8-F]		1/4	22.2	71	84.0	0.39
758XNG -	100	104	883	131	695	F	2 +1	AWG 3-4	1.06-1.13	4/4	82.4	131	90.5	0.79
								AWG 15-10	0.63-0.67	3/4	62.0	106	90.3	0.73
								Rubber Cable		2/4	41.5	85	89.8	0.61
								[S1BN8-F]		1/4	22.2	71	84.0	0.39
908UNG -	121	104	890	155	883	G	2 +1	AWG 3-4	1.06-1.13	4/4	98.4	155	91.7	0.80
								AWG 15-10	0.63-0.67	3/4	73.1	120	92.6	0.76
								Rubber Cable		2/4	49.2	93	91.7	0.66
								[S1BN8-F]		1/4	25.9	75	87.3	0.43
908XNG -	121	104	890	155	883	G	2 +1	AWG 3-4	1.06-1.13	4/4	98.4	155	91.7	0.80
								AWG 15-10	0.63-0.67	3/4	73.1	120	92.6	0.76
								Rubber Cable		2/4	49.2	93	91.7	0.66
								[S1BN8-F]		1/4	25.9	75	87.3	0.43
1108UNG -	148	104	890	190	1094	G	2 +1	AWG 1-4	1.19-1.27	4/4	119	190	92.4	0.79
								AWG 15-10	0.63-0.67	3/4	90	155	91.9	0.73
								Rubber Cable		2/4	61	126	90.9	0.60
								[S1BN8-F]		1/4	32	104	86.0	0.39
1108XNG -	148	104	890	190	1094	G	2 +1	AWG 1-4	1.19-1.27	4/4	119	190	92.4	0.79
								AWG 15-10	0.63-0.67	3/4	90	155	91.9	0.73
								Rubber Cable		2/4	61	126	90.9	0.60
								[S1BN8-F]		1/4	32	104	86.0	0.39



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

motor type	motor rating P2	max. temp. pumped media [hp]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA I <sub>s</sub>	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 [-]
1308UNG	174	104	890	219	1225	G	2	AWG 1/0-4	1.37-1.45	4/4	140	219	92.7	0.80
								AWG 15-10	0.63-0.67	3/4	105	174	92.7	0.76
								Rubber Cable		2/4	71	137	91.6	0.65
								[ S1BN8-F ]		1/4	37	110	87.2	0.42
1308XNG	174	104	890	219	1225	G	2	AWG 1/0-4	1.37-1.45	4/4	140	219	92.7	0.80
								AWG 15-10	0.63-0.67	3/4	105	174	92.7	0.76
								Rubber Cable		2/4	71	137	91.6	0.65
								[ S1BN8-F ]		1/4	37	110	87.2	0.42
1508UNG	200	104	895	247	1494	G	2	AWG 1/0-4	1.37-1.45	4/4	159	247	93.6	0.81
								AWG 15-10	0.63-0.67	3/4	120	198	93.2	0.76
								Rubber Cable		2/4	81	156	92.1	0.65
								[ S1BN8-F ]		1/4	43	129	86.7	0.42
1508XNG	200	104	895	247	1494	G	2	AWG 1/0-4	1.37-1.45	4/4	159	247	93.6	0.81
								AWG 15-10	0.63-0.67	3/4	120	198	93.2	0.76
								Rubber Cable		2/4	81	156	92.1	0.65
								[ S1BN8-F ]		1/4	43	129	86.7	0.42
1858UNG	250	104	895	312	1900	G	4	AWG 3-4	1.06-1.13	4/4	199	312	93.7	0.80
								AWG 15-10	0.63-0.67	3/4	149	249	93.8	0.75
								Rubber Cable		2/4	101	201	92.3	0.63
								[ S1BN8-F ]		1/4	53	162	87.9	0.41
1858XNG	250	104	895	312	1900	G	4	AWG 3-4	1.06-1.13	4/4	199	312	93.7	0.80
								AWG 15-10	0.63-0.67	3/4	149	249	93.8	0.75
								Rubber Cable		2/4	101	201	92.3	0.63
								[ S1BN8-F ]		1/4	53	162	87.9	0.41
2208UNG	295	104	894	350	1950	F	4	AWG 1-4	1.19-1.27	4/4	234	350	94.0	0.84
								AWG 15-10	0.63-0.67	3/4	175	275	94.3	0.80
								Rubber Cable		2/4	117	210	94.0	0.70
								[ S1BN8-F ]		1/4	61	160	90.2	0.48
2208XNG	295	104	894	350	1950	F	4	AWG 1-4	1.19-1.27	4/4	234	350	94.0	0.84
								AWG 15-10	0.63-0.67	3/4	175	275	94.3	0.80
								Rubber Cable		2/4	117	210	94.0	0.70
								[ S1BN8-F ]		1/4	61	160	90.2	0.48
2608UNG	350	104	895	425	2550	G	4	AWG 1/0-4	1.37-1.45	4/4	277	425	94.1	0.82
								AWG 15-10	0.63-0.67	3/4	208	339	94.0	0.77
								Rubber Cable		2/4	140	267	93.0	0.66
								[ S1BN8-F ]		1/4	74	210	88.8	0.44
2608XNG	350	104	895	425	2550	G	4	AWG 1/0-4	1.37-1.45	4/4	277	425	94.1	0.82
								AWG 15-10	0.63-0.67	3/4	208	339	94.0	0.77
								Rubber Cable		2/4	140	267	93.0	0.66
								[ S1BN8-F ]		1/4	74	210	88.8	0.44

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

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 [-]
4010UNG	50	104	711	72.5	424	H	2	AWG 7-4	0.72-0.77	4/4	41.8	72.5	89.3	0.72
								AWG 15-10	0.63-0.67	3/4	31.3	57.5	89.4	0.68
								Rubber Cable		2/4	21.4	48.6	87.0	0.55
								[S1BN8-F]		1/4	11.8	42.4	79.0	0.35
4010XNG	50	104	711	72.5	424	H	2	AWG 7-4	0.72-0.77	4/4	41.8	72.5	89.3	0.72
								AWG 15-10	0.63-0.67	3/4	31.3	57.5	89.4	0.68
								Rubber Cable		2/4	21.4	48.6	87.0	0.55
								[S1BN8-F]		1/4	11.8	42.4	79.0	0.35
6010UNG	80	104	710	114	626	G	2	AWG 5-4	0.89-0.94	4/4	66.5	114	89.7	0.73
								AWG 15-10	0.63-0.67	3/4	50.4	96	88.8	0.66
								Rubber Cable		2/4	34.4	83	86.6	0.52
								[S1BN8-F]		1/4	18.8	73	79.3	0.32
6010XNG	80	104	710	114	626	G	2	AWG 5-4	0.89-0.94	4/4	66.5	114	89.7	0.73
								AWG 15-10	0.63-0.67	3/4	50.4	96	88.8	0.66
								Rubber Cable		2/4	34.4	83	86.6	0.52
								[S1BN8-F]		1/4	18.8	73	79.3	0.32
7510UNG	100	104	707	133	665	F	2	AWG 3-4	1.06-1.13	4/4	81.8	133	91.2	0.77
								AWG 15-10	0.63-0.67	3/4	61.4	108	91.1	0.71
								Rubber Cable		2/4	41.4	88	90.2	0.59
								[S1BN8-F]		1/4	21.9	74	85.1	0.37
7510XNG	100	104	707	133	665	F	2	AWG 3-4	1.06-1.13	4/4	81.8	133	91.2	0.77
								AWG 15-10	0.63-0.67	3/4	61.4	108	91.1	0.71
								Rubber Cable		2/4	41.4	88	90.2	0.59
								[S1BN8-F]		1/4	21.9	74	85.1	0.37
9010UNG	121	104	710	167	885	G	2	AWG 1-4	1.19-1.27	4/4	98.9	167	91.2	0.74
								AWG 15-10	0.63-0.67	3/4	74.3	140	91.1	0.67
								Rubber Cable		2/4	50.1	115	90.0	0.55
								[S1BN8-F]		1/4	26.7	100	84.5	0.34
9010XNG	121	104	710	167	885	G	2	AWG 1-4	1.19-1.27	4/4	98.9	167	91.2	0.74
								AWG 15-10	0.63-0.67	3/4	74.3	140	91.1	0.67
								Rubber Cable		2/4	50.1	115	90.0	0.55
								[S1BN8-F]		1/4	26.7	100	84.5	0.34
11010UNG	148	104	715	199	1150	G	2	AWG 1/0-4	1.37-1.45	4/4	119	199	92.4	0.75
								AWG 15-10	0.63-0.67	3/4	90	160	92.1	0.71
								Rubber Cable		2/4	61	132	90.5	0.58
								[S1BN8-F]		1/4	33	115	84.1	0.36
11010XNG	148	104	715	199	1150	G	2	AWG 1/0-4	1.37-1.45	4/4	119	199	92.4	0.75
								AWG 15-10	0.63-0.67	3/4	90	160	92.1	0.71
								Rubber Cable		2/4	61	132	90.5	0.58
								[S1BN8-F]		1/4	33	115	84.1	0.36
15010UNG	200	104	715	264	1515	G	2	AWG 3/0-4	1.52-1.64	4/4	160	264	93.2	0.76
								AWG 15-10	0.63-0.67	3/4	121	214	92.4	0.71
								Rubber Cable		2/4	81	175	92.1	0.58
								[S1BN8-F]		1/4	43	146	86.7	0.37

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

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 [-]
15010XNG	200	104	715	264	1515	G	2	AWG 3/0-4	1.52-1.64	4/4	160	264	93.2	0.76
								AWG 15-10	0.63-0.67	3/4	121	214	92.4	0.71
								Rubber Cable		2/4	81	175	92.1	0.58
								[ S1BN8-F ]		1/4	43	146	86.7	0.37

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- 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 [-]
226UEG	30	104	1173	31.0	220	J	1	AWG 11-7+15-5	0.83-0.91	4/4	24.4	31.0	91.7	0.79
-								Rubber Cable [S1BN8-F]		3/4	18.3	25.2	91.7	0.73
										2/4	12.3	20.6	91.2	0.60
										1/4	6.4	16.6	87.0	0.39
226XEG	30	104	1173	31.0	220	J	1	AWG 11-7+15-5	0.83-0.91	4/4	24.4	31.0	91.7	0.79
-								Rubber Cable [S1BN8-F]		3/4	18.3	25.2	91.7	0.73
										2/4	12.3	20.6	91.2	0.60
										1/4	6.4	16.6	87.0	0.39
306UEG	40	104	1169	41.0	273	H	1	AWG 9-7+15-5	0.94-1.06	4/4	32.7	41.0	91.2	0.80
-								Rubber Cable [S1BN8-F]		3/4	24.4	33.5	91.8	0.73
										2/4	16.3	26.8	91.5	0.61
										1/4	8.5	21.8	87.9	0.39
306XEG	40	104	1169	41.0	273	H	1	AWG 9-7+15-5	0.94-1.06	4/4	32.7	41.0	91.2	0.80
-								Rubber Cable [S1BN8-F]		3/4	24.4	33.5	91.8	0.73
										2/4	16.3	26.8	91.5	0.61
										1/4	8.5	21.8	87.9	0.39
376UEG	50	104	1187	48.2	376	J	2	AWG 11-4	0.49-0.53	4/4	41.2	48.2	90.4	0.86
-							+1	AWG 15-8	0.56-0.60	3/4	31.1	38.1	90.0	0.82
								Rubber Cable [S1BN8-F]		2/4	21.1	29.5	88.2	0.72
										1/4	11.5	23.0	81.2	0.50
376XEG	50	104	1187	48.2	376	J	2	AWG 11-4	0.49-0.53	4/4	41.2	48.2	90.4	0.86
-							+1	AWG 15-8	0.56-0.60	3/4	31.1	38.1	90.0	0.82
								Rubber Cable [S1BN8-F]		2/4	21.1	29.5	88.2	0.72
										1/4	11.5	23.0	81.2	0.50
456UEG	60	104	1189	56.2	432	J	2	AWG 9-4	0.56-0.60	4/4	48.6	56.2	92.0	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	36.6	45.4	91.6	0.81
								Rubber Cable [S1BN8-F]		2/4	24.9	36.2	90.0	0.69
										1/4	13.2	28.9	84.5	0.46
456XEG	60	104	1189	56.2	432	J	2	AWG 9-4	0.56-0.60	4/4	48.6	56.2	92.0	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	36.6	45.4	91.6	0.81
								Rubber Cable [S1BN8-F]		2/4	24.9	36.2	90.0	0.69
										1/4	13.2	28.9	84.5	0.46
556UEG	74	104	1187	68.9	534	J	2	AWG 7-4	0.72-0.77	4/4	59.7	68.9	92.5	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	44.9	55.0	92.2	0.82
								Rubber Cable [S1BN8-F]		2/4	30.4	44.2	90.9	0.69
										1/4	16.1	35.1	85.8	0.46
556XEG	74	104	1187	68.9	534	J	2	AWG 7-4	0.72-0.77	4/4	59.7	68.9	92.5	0.87
-							+1	AWG 15-8	0.56-0.60	3/4	44.9	55.0	92.2	0.82
								Rubber Cable [S1BN8-F]		2/4	30.4	44.2	90.9	0.69
										1/4	16.1	35.1	85.8	0.46
606UNG	80	104	1179	74.8	432	F	2	AWG 7-4	0.72-0.77	4/4	65.8	74.8	90.7	0.88
-							+1	AWG 15-10	0.63-0.67	3/4	49.5	58.4	90.5	0.85
								Rubber Cable [S1BN8-F]		2/4	33.2	42.8	90.0	0.78
										1/4	17.5	30.1	85.3	0.58

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

motor type efficiency class	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 [-]
606XNG -	80	104	1179	74.8	432	F	2 +1	AWG 7-4	0.72-0.77	4/4	65.8	74.8	90.7	0.88
								AWG 15-10	0.63-0.67	3/4	49.5	58.4	90.5	0.85
								Rubber Cable		2/4	33.2	42.8	90.0	0.78
								[ S1BN8-F ]		1/4	17.5	30.1	85.3	0.58
806UNG -	107	104	1178	101	544	F	2 +1	AWG 5-4	0.89-0.94	4/4	88.2	101	90.4	0.88
								AWG 15-10	0.63-0.67	3/4	65.7	77	91.2	0.86
								Rubber Cable		2/4	44.0	56	90.7	0.79
								[ S1BN8-F ]		1/4	23.2	41	85.8	0.57
806XNG -	107	104	1178	101	544	F	2 +1	AWG 5-4	0.89-0.94	4/4	88.2	101	90.4	0.88
								AWG 15-10	0.63-0.67	3/4	65.7	77	91.2	0.86
								Rubber Cable		2/4	44.0	56	90.7	0.79
								[ S1BN8-F ]		1/4	23.2	41	85.8	0.57

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

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. [%]	power factor [-]	
	[hp]	[°F]	[rpm]	[A]	[A]												
118UEG	15	104	880	19.1	113	J	1	AWG 13-12	0.73-0.77	4/4	12.9	19.1	86.5	0.68			
-								Rubber Cable [S1BN8-F]		3/4	9.8	16.7	85.4	0.59			
-										2/4	6.9	15.3	81.6	0.45			
-										1/4	3.9	13.8	72.0	0.28			
118XEG	15	104	880	19.1	113	J	1	AWG 13-12	0.73-0.77	4/4	12.9	19.1	86.5	0.68			
-								Rubber Cable [S1BN8-F]		3/4	9.8	16.7	85.4	0.59			
-										2/4	6.9	15.3	81.6	0.45			
-										1/4	3.9	13.8	72.0	0.28			
158UEG	20	104	875	25.4	132	H	1	AWG 13-12	0.73-0.77	4/4	17.2	25.4	86.5	0.68			
-								Rubber Cable [S1BN8-F]		3/4	13.1	21.8	85.7	0.60			
-										2/4	9.0	20.1	83.0	0.45			
-										1/4	5.0	18.7	74.0	0.27			
158XEG	20	104	875	25.4	132	H	1	AWG 13-12	0.73-0.77	4/4	17.2	25.4	86.5	0.68			
-								Rubber Cable [S1BN8-F]		3/4	13.1	21.8	85.7	0.60			
-										2/4	9.0	20.1	83.0	0.45			
-										1/4	5.0	18.7	74.0	0.27			
188UEG	25	104	875	31.4	164	H	1	AWG 11-7+15-5	0.83-0.91	4/4	21.3	31.4	87.5	0.68			
-								Rubber Cable [S1BN8-F]		3/4	16.1	27.0	86.8	0.60			
-										2/4	11.1	23.1	84.3	0.48			
-										1/4	6.1	22.1	75.8	0.28			
188XEG	25	104	875	31.4	164	H	1	AWG 11-7+15-5	0.83-0.91	4/4	21.3	31.4	87.5	0.68			
-								Rubber Cable [S1BN8-F]		3/4	16.1	27.0	86.8	0.60			
-										2/4	11.1	23.1	84.3	0.48			
-										1/4	6.1	22.1	75.8	0.28			
228UEG	30	104	874	35.4	186	G	1	AWG 9-7+15-5	0.94-1.06	4/4	25.3	35.4	88.3	0.72			
-								Rubber Cable [S1BN8-F]		3/4	19.0	29.3	88.5	0.65			
-										2/4	12.8	24.8	87.1	0.52			
-										1/4	6.9	21.1	80.5	0.33			
228XEG	30	104	874	35.4	186	G	1	AWG 9-7+15-5	0.94-1.06	4/4	25.3	35.4	88.3	0.72			
-								Rubber Cable [S1BN8-F]		3/4	19.0	29.3	88.5	0.65			
-										2/4	12.8	24.8	87.1	0.52			
-										1/4	6.9	21.1	80.5	0.33			
308UEG	40	104	887	41.8	238	G	2	AWG 11-4	0.49-0.53	4/4	33.3	41.8	89.6	0.80			
-							+1	AWG 15-8	0.56-0.60	3/4	25.0	33.9	89.4	0.74			
-								Rubber Cable [S1BN8-F]		2/4	16.9	27.0	88.2	0.63			
-										1/4	9.1	22.3	81.9	0.41			
308XEG	40	104	887	41.8	238	G	2	AWG 11-4	0.49-0.53	4/4	33.3	41.8	89.6	0.80			
-							+1	AWG 15-8	0.56-0.60	3/4	25.0	33.9	89.4	0.74			
-								Rubber Cable [S1BN8-F]		2/4	16.9	27.0	88.2	0.63			
-										1/4	9.1	22.3	81.9	0.41			
378UEG	50	104	886	52.3	300	G	2	AWG 9-4	0.56-0.60	4/4	40.7	52.3	91.7	0.78			
-							+1	AWG 15-8	0.56-0.60	3/4	30.4	42.3	92.1	0.72			
-								Rubber Cable [S1BN8-F]		2/4	20.3	34.0	91.7	0.60			
-										1/4	10.6	28.7	88.0	0.37			

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]	
	[hp]		[rpm]	[A]	[A]										
378XEG	50	104	886	52.3	300	G	2	AWG 9-4	0.56-0.60	4/4	40.7	52.3	91.7	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	30.4	42.3	92.1	0.72	
-								Rubber Cable		2/4	20.3	34.0	91.7	0.60	
-								[ S1BN8-F ]		1/4	10.6	28.7	88.0	0.37	
458UEG	60	104	885	62.3	368	G	2	AWG 9-4	0.56-0.60	4/4	48.4	62.3	92.4	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	36.4	51.5	92.2	0.71	
-								Rubber Cable		2/4	24.3	42.1	92.0	0.58	
-								[ S1BN8-F ]		1/4	12.7	35.4	88.3	0.36	
458XEG	60	104	885	62.3	368	G	2	AWG 9-4	0.56-0.60	4/4	48.4	62.3	92.4	0.78	
-							+1	AWG 15-8	0.56-0.60	3/4	36.4	51.5	92.2	0.71	
-								Rubber Cable		2/4	24.3	42.1	92.0	0.58	
-								[ S1BN8-F ]		1/4	12.7	35.4	88.3	0.36	
508UNG	67	104	885	71.6	373	F	2	AWG 7-4	0.72-0.77	4/4	55.8	71.6	89.5	0.78	
-							+1	AWG 15-10	0.63-0.67	3/4	42.0	58.4	89.3	0.72	
-								Rubber Cable		2/4	28.4	47.2	88.1	0.60	
-								[ S1BN8-F ]		1/4	15.3	40.0	81.6	0.38	
508XNG	67	104	885	71.6	373	F	2	AWG 7-4	0.72-0.77	4/4	55.8	71.6	89.5	0.78	
-							+1	AWG 15-10	0.63-0.67	3/4	42.0	58.4	89.3	0.72	
-								Rubber Cable		2/4	28.4	47.2	88.1	0.60	
-								[ S1BN8-F ]		1/4	15.3	40.0	81.6	0.38	
758UNG	100	104	883	105	557	F	2	AWG 5-4	0.89-0.94	4/4	82.4	105	90.5	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	62.0	85	90.3	0.73	
-								Rubber Cable		2/4	41.5	68	89.8	0.61	
-								[ S1BN8-F ]		1/4	22.2	57	84.0	0.39	
758XNG	100	104	883	105	557	F	2	AWG 5-4	0.89-0.94	4/4	82.4	105	90.5	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	62.0	85	90.3	0.73	
-								Rubber Cable		2/4	41.5	68	89.8	0.61	
-								[ S1BN8-F ]		1/4	22.2	57	84.0	0.39	
908UNG	121	104	890	124	707	G	2	AWG 3-4	1.06-1.13	4/4	98.4	124	91.7	0.80	
-							+1	AWG 15-10	0.63-0.67	3/4	73.1	96	92.6	0.76	
-								Rubber Cable		2/4	49.2	74	91.7	0.67	
-								[ S1BN8-F ]		1/4	25.9	60	87.3	0.43	
908XNG	121	104	890	124	707	G	2	AWG 3-4	1.06-1.13	4/4	98.4	124	91.7	0.80	
-							+1	AWG 15-10	0.63-0.67	3/4	73.1	96	92.6	0.76	
-								Rubber Cable		2/4	49.2	74	91.7	0.67	
-								[ S1BN8-F ]		1/4	25.9	60	87.3	0.43	
1108UNG	148	104	890	152	875	G	2	AWG 3-4	1.06-1.13	4/4	119	152	92.4	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	90	124	91.9	0.73	
-								Rubber Cable		2/4	61	101	90.9	0.60	
-								[ S1BN8-F ]		1/4	32	83	86.0	0.39	
1108XNG	148	104	890	152	875	G	2	AWG 3-4	1.06-1.13	4/4	119	152	92.4	0.79	
-							+1	AWG 15-10	0.63-0.67	3/4	90	124	91.9	0.73	
-								Rubber Cable		2/4	61	101	90.9	0.60	
-								[ S1BN8-F ]		1/4	32	83	86.0	0.39	

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

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 [-]
1308UNG	174	104	890	175	979	G	2	AWG 1-4	1.19-1.27	4/4	140	175	92.7	0.80
							+1	AWG 15-10	0.63-0.67	3/4	105	139	92.7	0.76
							-	Rubber Cable		2/4	71	110	91.6	0.65
							-	[S1BN8-F]		1/4	37	88	87.2	0.42
1308XNG	174	104	890	175	979	G	2	AWG 1-4	1.19-1.27	4/4	140	175	92.7	0.80
							+1	AWG 15-10	0.63-0.67	3/4	105	139	92.7	0.76
							-	Rubber Cable		2/4	71	110	91.6	0.65
							-	[S1BN8-F]		1/4	37	88	87.2	0.42
1508UNG	200	104	895	197	1192	G	2	AWG 1-4	1.19-1.27	4/4	159	197	93.6	0.81
							+1	AWG 15-10	0.63-0.67	3/4	120	158	93.2	0.76
							-	Rubber Cable		2/4	81	125	92.1	0.65
							-	[S1BN8-F]		1/4	43	103	86.7	0.42
1508XNG	200	104	895	197	1192	G	2	AWG 1-4	1.19-1.27	4/4	159	197	93.6	0.81
							+1	AWG 15-10	0.63-0.67	3/4	120	158	93.2	0.76
							-	Rubber Cable		2/4	81	125	92.1	0.65
							-	[S1BN8-F]		1/4	43	103	86.7	0.42
1858UNG	250	104	895	250	1522	G	2	AWG 3/0-4	1.52-1.64	4/4	199	250	93.7	0.80
							+1	AWG 15-10	0.63-0.67	3/4	149	199	93.8	0.75
							-	Rubber Cable		2/4	101	161	92.3	0.63
							-	[S1BN8-F]		1/4	53	130	87.9	0.41
1858XNG	250	104	895	250	1522	G	2	AWG 3/0-4	1.52-1.64	4/4	199	250	93.7	0.80
							+1	AWG 15-10	0.63-0.67	3/4	149	199	93.8	0.75
							-	Rubber Cable		2/4	101	161	92.3	0.63
							-	[S1BN8-F]		1/4	53	130	87.9	0.41
2208UNG	295	104	894	280	1560	F	2	AWG 3/0-4	1.52-1.64	4/4	234	280	94.0	0.84
							+1	AWG 15-10	0.63-0.67	3/4	175	220	94.3	0.80
							-	Rubber Cable		2/4	117	168	94.0	0.70
							-	[S1BN8-F]		1/4	61	128	90.2	0.48
2208XNG	295	104	894	280	1560	F	2	AWG 3/0-4	1.52-1.64	4/4	234	280	94.0	0.84
							+1	AWG 15-10	0.63-0.67	3/4	175	220	94.3	0.80
							-	Rubber Cable		2/4	117	168	94.0	0.70
							-	[S1BN8-F]		1/4	61	128	90.2	0.48
2608UNG	350	104	895	340	2040	G	4	AWG 1-4	1.19-1.27	4/4	277	340	94.1	0.82
							+1	AWG 15-10	0.63-0.67	3/4	208	271	94.0	0.77
							-	Rubber Cable		2/4	140	214	93.0	0.66
							-	[S1BN8-F]		1/4	74	168	88.8	0.44
2608XNG	350	104	895	340	2040	G	4	AWG 1-4	1.19-1.27	4/4	277	340	94.1	0.82
							+1	AWG 15-10	0.63-0.67	3/4	208	271	94.0	0.77
							-	Rubber Cable		2/4	140	214	93.0	0.66
							-	[S1BN8-F]		1/4	74	168	88.8	0.44



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

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 [-]
4010UNG	50	104	711	58.0	339	H	2	AWG 7-4	0.72-0.77	4/4	41.8	58.0	89.3	0.72
								AWG 15-10	0.63-0.67	3/4	31.3	46.0	89.4	0.68
								Rubber Cable		2/4	21.4	38.9	87.0	0.55
								[ S1BN8-F ]		1/4	11.8	33.9	79.0	0.35
4010XNG	50	104	711	58.0	339	H	2	AWG 7-4	0.72-0.77	4/4	41.8	58.0	89.3	0.72
								AWG 15-10	0.63-0.67	3/4	31.3	46.0	89.4	0.68
								Rubber Cable		2/4	21.4	38.9	87.0	0.55
								[ S1BN8-F ]		1/4	11.8	33.9	79.0	0.35
6010UNG	80	104	710	91.2	501	G	2	AWG 5-4	0.89-0.94	4/4	66.5	91.2	89.7	0.73
								AWG 15-10	0.63-0.67	3/4	50.4	76.8	88.8	0.66
								Rubber Cable		2/4	34.4	66.4	86.6	0.52
								[ S1BN8-F ]		1/4	18.8	58.4	79.3	0.32
6010XNG	80	104	710	91.2	501	G	2	AWG 5-4	0.89-0.94	4/4	66.5	91.2	89.7	0.73
								AWG 15-10	0.63-0.67	3/4	50.4	76.8	88.8	0.66
								Rubber Cable		2/4	34.4	66.4	86.6	0.52
								[ S1BN8-F ]		1/4	18.8	58.4	79.3	0.32
7510UNG	100	104	707	106	530	F	2	AWG 5-4	0.89-0.94	4/4	81.8	106	91.2	0.77
								AWG 15-10	0.63-0.67	3/4	61.4	86	91.1	0.71
								Rubber Cable		2/4	41.4	70	90.2	0.59
								[ S1BN8-F ]		1/4	21.9	59	85.1	0.37
7510XNG	100	104	707	106	530	F	2	AWG 5-4	0.89-0.94	4/4	81.8	106	91.2	0.77
								AWG 15-10	0.63-0.67	3/4	61.4	86	91.1	0.71
								Rubber Cable		2/4	41.4	70	90.2	0.59
								[ S1BN8-F ]		1/4	21.9	59	85.1	0.37
9010UNG	121	104	710	134	710	G	2	AWG 3-4	1.06-1.13	4/4	98.9	134	91.2	0.74
								AWG 15-10	0.63-0.67	3/4	74.3	112	91.1	0.67
								Rubber Cable		2/4	50.1	92	90.0	0.55
								[ S1BN8-F ]		1/4	26.7	80	84.5	0.34
9010XNG	121	104	710	134	710	G	2	AWG 3-4	1.06-1.13	4/4	98.9	134	91.2	0.74
								AWG 15-10	0.63-0.67	3/4	74.3	112	91.1	0.67
								Rubber Cable		2/4	50.1	92	90.0	0.55
								[ S1BN8-F ]		1/4	26.7	80	84.5	0.34
11010UNG	148	104	715	159	920	G	2	AWG 3-4	1.06-1.13	4/4	119	159	92.4	0.75
								AWG 15-10	0.63-0.67	3/4	90	128	92.1	0.71
								Rubber Cable		2/4	61	106	90.5	0.58
								[ S1BN8-F ]		1/4	33	92	84.1	0.36
11010XNG	148	104	715	159	920	G	2	AWG 3-4	1.06-1.13	4/4	119	159	92.4	0.75
								AWG 15-10	0.63-0.67	3/4	90	128	92.1	0.71
								Rubber Cable		2/4	61	106	90.5	0.58
								[ S1BN8-F ]		1/4	33	92	84.1	0.36
15010UNG	200	104	715	211	1211	G	2	AWG 1/0-4	1.37-1.45	4/4	160	211	93.2	0.76
								AWG 15-10	0.63-0.67	3/4	121	171	92.4	0.71
								Rubber Cable		2/4	81	140	92.1	0.58
								[ S1BN8-F ]		1/4	43	117	86.7	0.37

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

**standard motor**

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 [-]
15010XNG	200	104	715	211	1211	G	2 +1	AWG 1/0-4	1.37-1.45	4/4	160	211	93.2	0.76
								AWG 15-10	0.63-0.67	3/4	121	171	92.4	0.71
								Rubber Cable		2/4	81	140	92.1	0.58
								[S1BN8-F]		1/4	43	117	86.7	0.37

**motor data**
**8-poles**
**230 V**
**60 Hz**
**3~**
**G**
**energy saving motor**

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 [-]
158UEG IE3	10	104	884	29.4	189	J	1	AWG 11-7+15-5 Rubber Cable [ S1BN8-F ]	0.83-0.91	4/4	8.33	29.4	89.5	0.71
										3/4	6.28	25.0	89.0	0.63
										2/4	4.28	22.0	87.1	0.49
										1/4	2.33	19.5	79.9	0.30
158XEG IE3	10	104	884	29.4	189	J	1	AWG 11-7+15-5 Rubber Cable [ S1BN8-F ]	0.83-0.91	4/4	8.33	29.4	89.5	0.71
										3/4	6.28	25.0	89.0	0.63
										2/4	4.28	22.0	87.1	0.49
										1/4	2.33	19.5	79.9	0.30
158ZEG IE3	10	140	884	29.4	189	J	1	AWG 9-7+15-5 Rubber Cable [ S1BN8-F ]	0.94-1.06	4/4	8.33	29.4	89.5	0.71
										3/4	6.28	25.0	89.0	0.63
										2/4	4.28	22.0	87.1	0.49
										1/4	2.33	19.5	79.9	0.30
158WEG IE3	10	140	884	29.4	189	J	1	AWG 9-7+15-5 Rubber Cable [ S1BN8-F ]	0.94-1.06	4/4	8.33	29.4	89.5	0.71
										3/4	6.28	25.0	89.0	0.63
										2/4	4.28	22.0	87.1	0.49
										1/4	2.33	19.5	79.9	0.30
188UEG IE3	15	104	881	42.8	256	H	1	AWG 9-7+15-5 Rubber Cable [ S1BN8-F ]	0.94-1.06	4/4	12.5	42.8	89.8	0.73
										3/4	9.3	35.6	89.9	0.66
										2/4	6.3	29.8	88.7	0.53
										1/4	3.4	25.6	82.9	0.33
188XEG IE3	15	104	881	42.8	256	H	1	AWG 9-7+15-5 Rubber Cable [ S1BN8-F ]	0.94-1.06	4/4	12.5	42.8	89.8	0.73
										3/4	9.3	35.6	89.9	0.66
										2/4	6.3	29.8	88.7	0.53
										1/4	3.4	25.6	82.9	0.33
188ZEG IE3	15	140	881	42.8	256	H	1	AWG 7-7+15-5 Rubber Cable [ S1BN8-F ]	0.96-1.08	4/4	12.5	42.8	89.8	0.73
										3/4	9.3	35.6	89.9	0.66
										2/4	6.3	29.8	88.7	0.53
										1/4	3.4	25.6	82.9	0.33
188WEG IE3	15	140	881	42.8	256	H	1	AWG 7-7+15-5 Rubber Cable [ S1BN8-F ]	0.96-1.08	4/4	12.5	42.8	89.8	0.73
										3/4	9.3	35.6	89.9	0.66
										2/4	6.3	29.8	88.7	0.53
										1/4	3.4	25.6	82.9	0.33
228UEG IE3	20	104	881	57.6	352	H	1	AWG 7-7+15-5 Rubber Cable [ S1BN8-F ]	0.96-1.08	4/4	16.5	57.6	90.3	0.72
										3/4	12.4	47.8	90.5	0.65
										2/4	8.4	40.4	89.3	0.52
										1/4	4.5	36.0	83.7	0.31
228XEG IE3	20	104	881	57.6	352	H	1	AWG 7-7+15-5 Rubber Cable [ S1BN8-F ]	0.96-1.08	4/4	16.5	57.6	90.3	0.72
										3/4	12.4	47.8	90.5	0.65
										2/4	8.4	40.4	89.3	0.52
										1/4	4.5	36.0	83.7	0.31

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- 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 [-]
316UEG IE3	25	104	1191	35.0	322	K	2 +1	AWG 11-4	0.49-0.53	4/4	20.1	35.0	93.0	0.87
								AWG 15-8	0.56-0.60	3/4	15.1	27.8	92.9	0.82
								Rubber Cable		2/4	10.1	21.4	92.0	0.72
								[ S1BN8-F ]		1/4	5.3	16.2	87.6	0.50
316XEG IE3	25	104	1191	35.0	322	K	2 +1	AWG 11-4	0.49-0.53	4/4	20.1	35.0	93.0	0.87
								AWG 15-8	0.56-0.60	3/4	15.1	27.8	92.9	0.82
								Rubber Cable		2/4	10.1	21.4	92.0	0.72
								[ S1BN8-F ]		1/4	5.3	16.2	87.6	0.50
376UEG IE3	30	104	1190	42.5	383	K	2 +1	AWG 11-4	0.49-0.53	4/4	24.1	42.5	93.0	0.86
								AWG 15-8	0.56-0.60	3/4	18.0	33.8	93.1	0.81
								Rubber Cable		2/4	12.1	25.9	92.2	0.71
								[ S1BN8-F ]		1/4	6.3	20.1	88.1	0.48
376XEG IE3	30	104	1190	42.5	383	K	2 +1	AWG 11-4	0.49-0.53	4/4	24.1	42.5	93.0	0.86
								AWG 15-8	0.56-0.60	3/4	18.0	33.8	93.1	0.81
								Rubber Cable		2/4	12.1	25.9	92.2	0.71
								[ S1BN8-F ]		1/4	6.3	20.1	88.1	0.48
456UEG IE3	40	104	1191	57.4	556	L	2 +1	AWG 9-4	0.56-0.60	4/4	31.7	57.4	94.1	0.84
								AWG 15-8	0.56-0.60	3/4	24.0	46.6	93.4	0.78
								Rubber Cable		2/4	16.1	36.6	92.6	0.67
								[ S1BN8-F ]		1/4	8.4	29.8	88.5	0.43
456XEG IE3	40	104	1191	57.4	556	L	2 +1	AWG 9-4	0.56-0.60	4/4	31.7	57.4	94.1	0.84
								AWG 15-8	0.56-0.60	3/4	24.0	46.6	93.4	0.78
								Rubber Cable		2/4	16.1	36.6	92.6	0.67
								[ S1BN8-F ]		1/4	8.4	29.8	88.5	0.43
556UEG IE3	50	104	1191	70.8	679	K	2 +1	AWG 7-4	0.72-0.77	4/4	39.6	70.8	94.1	0.85
								AWG 15-8	0.56-0.60	3/4	29.8	56.5	93.9	0.80
								Rubber Cable		2/4	20.0	44.1	93.2	0.69
								[ S1BN8-F ]		1/4	10.4	34.4	89.5	0.46
556XEG IE3	50	104	1191	70.8	679	K	2 +1	AWG 7-4	0.72-0.77	4/4	39.6	70.8	94.1	0.85
								AWG 15-8	0.56-0.60	3/4	29.8	56.5	93.9	0.80
								Rubber Cable		2/4	20.0	44.1	93.2	0.69
								[ S1BN8-F ]		1/4	10.4	34.4	89.5	0.46
806UNG IE3	60	104	1191	88.9	889	L	2 +1	AWG 7-4	0.72-0.77	4/4	47.4	88.9	94.5	0.81
								AWG 15-10	0.63-0.67	3/4	35.9	73.6	93.6	0.74
								Rubber Cable		2/4	24.1	59.2	92.7	0.62
								[ S1BN8-F ]		1/4	12.6	50.5	88.6	0.38
806XNG IE3	60	104	1191	88.9	889	L	2 +1	AWG 7-4	0.72-0.77	4/4	47.4	88.9	94.5	0.81
								AWG 15-10	0.63-0.67	3/4	35.9	73.6	93.6	0.74
								Rubber Cable		2/4	24.1	59.2	92.7	0.62
								[ S1BN8-F ]		1/4	12.6	50.5	88.6	0.38

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]	
	[hp]		[rpm]	[A]	[A]										
158UEG IE3	10	104	884	17.8	114	J	1	AWG 15-12	0.65-0.69	4/4	8.33	17.8	89.5	0.71	
								Rubber Cable [S1BN8-F]		3/4	6.28	15.1	89.0	0.63	
										2/4	4.28	13.3	87.1	0.49	
										1/4	2.33	11.8	79.9	0.30	
158XEG IE3	10	104	884	17.8	114	J	1	AWG 15-12	0.65-0.69	4/4	8.33	17.8	89.5	0.71	
								Rubber Cable [S1BN8-F]		3/4	6.28	15.1	89.0	0.63	
										2/4	4.28	13.3	87.1	0.49	
										1/4	2.33	11.8	79.9	0.30	
188UEG IE3	15	104	881	25.9	155	H	1	AWG 11-7+15-5	0.83-0.91	4/4	12.5	25.9	89.8	0.73	
								Rubber Cable [S1BN8-F]		3/4	9.3	21.5	89.9	0.66	
										2/4	6.3	18.0	88.7	0.53	
										1/4	3.4	15.5	82.9	0.33	
188XEG IE3	15	104	881	25.9	155	H	1	AWG 11-7+15-5	0.83-0.91	4/4	12.5	25.9	89.8	0.73	
								Rubber Cable [S1BN8-F]		3/4	9.3	21.5	89.9	0.66	
										2/4	6.3	18.0	88.7	0.53	
										1/4	3.4	15.5	82.9	0.33	
228UEG IE3	20	104	881	34.9	213	H	1	AWG 9-7+15-5	0.94-1.06	4/4	16.5	34.9	90.3	0.72	
								Rubber Cable [S1BN8-F]		3/4	12.4	28.9	90.5	0.65	
										2/4	8.4	24.5	89.3	0.52	
										1/4	4.5	21.8	83.7	0.31	
228XEG IE3	20	104	881	34.9	213	H	1	AWG 9-7+15-5	0.94-1.06	4/4	16.5	34.9	90.3	0.72	
								Rubber Cable [S1BN8-F]		3/4	12.4	28.9	90.5	0.65	
										2/4	8.4	24.5	89.3	0.52	
										1/4	4.5	21.8	83.7	0.31	
308UEG IE3	25	104	889	38.6	252	H	2 +1	AWG 11-4	0.49-0.53	4/4	20.4	38.6	91.6	0.80	
								AWG 15-8		3/4	15.3	31.0	91.5	0.75	
								Rubber Cable [S1BN8-F]		2/4	10.3	24.8	90.8	0.63	
										1/4	5.4	20.0	86.3	0.41	
308XEG IE3	25	104	889	38.6	252	H	2 +1	AWG 11-4	0.49-0.53	4/4	20.4	38.6	91.6	0.80	
								AWG 15-8		3/4	15.3	31.0	91.5	0.75	
								Rubber Cable [S1BN8-F]		2/4	10.3	24.8	90.8	0.63	
										1/4	5.4	20.0	86.3	0.41	
378UEG IE3	30	104	889	45.6	288	H	2 +1	AWG 11-4	0.49-0.53	4/4	24.3	45.6	91.9	0.81	
								AWG 15-8		3/4	18.2	36.4	92.0	0.76	
								Rubber Cable [S1BN8-F]		2/4	12.2	28.1	91.6	0.66	
										1/4	6.4	22.6	87.1	0.43	
378XEG IE3	30	104	889	45.6	288	H	2 +1	AWG 11-4	0.49-0.53	4/4	24.3	45.6	91.9	0.81	
								AWG 15-8		3/4	18.2	36.4	92.0	0.76	
								Rubber Cable [S1BN8-F]		2/4	12.2	28.1	91.6	0.66	
										1/4	6.4	22.6	87.1	0.43	
458UEG IE3	40	104	889	59.9	373	G	2 +1	AWG 9-4	0.56-0.60	4/4	32.4	59.9	92.2	0.82	
								AWG 15-8		3/4	24.2	47.8	92.4	0.77	
								Rubber Cable [S1BN8-F]		2/4	16.2	37.3	92.0	0.66	
										1/4	8.4	29.8	88.5	0.43	

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

motor type	motor rating P2	max. temp. pumped media [°F]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA I <sub>s</sub>	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 [-]
458XEG IE3	40	104	889	59.9	373	G	2 +1	AWG 9-4	0.56-0.60	4/4	32.4	59.9	92.2	0.82
								AWG 15-8	0.56-0.60	3/4	24.2	47.8	92.4	0.77
								Rubber Cable		2/4	16.2	37.3	92.0	0.66
								[ S1BN8-F ]		1/4	8.4	29.8	88.5	0.43
658UNG IE3	50	104	890	78.6	545	J	2 +1	AWG 7-4	0.72-0.77	4/4	40.4	78.6	92.4	0.78
								AWG 15-10	0.63-0.67	3/4	30.3	65.7	92.3	0.70
								Rubber Cable		2/4	20.4	53.4	91.5	0.58
								[ S1BN8-F ]		1/4	10.7	44.9	87.5	0.36
658XNG IE3	50	104	890	78.6	545	J	2 +1	AWG 7-4	0.72-0.77	4/4	40.4	78.6	92.4	0.78
								AWG 15-10	0.63-0.67	3/4	30.3	65.7	92.3	0.70
								Rubber Cable		2/4	20.4	53.4	91.5	0.58
								[ S1BN8-F ]		1/4	10.7	44.9	87.5	0.36
908UNG IE3	75	104	894	119	960	K	2 +1	AWG 5-4	0.89-0.94	4/4	59.8	119	93.6	0.76
								AWG 15-10	0.63-0.67	3/4	45.0	99	93.3	0.69
								Rubber Cable		2/4	30.4	82	92.1	0.56
								[ S1BN8-F ]		1/4	15.8	71	88.4	0.34
908XNG IE3	75	104	894	119	960	K	2 +1	AWG 5-4	0.89-0.94	4/4	59.8	119	93.6	0.76
								AWG 15-10	0.63-0.67	3/4	45.0	99	93.3	0.69
								Rubber Cable		2/4	30.4	82	92.1	0.56
								[ S1BN8-F ]		1/4	15.8	71	88.4	0.34
1108UNG IE3	100	104	893	157	1208	J	2 +1	AWG 3-4	1.06-1.13	4/4	79.7	157	93.6	0.77
								AWG 15-10	0.63-0.67	3/4	59.8	130	93.5	0.70
								Rubber Cable		2/4	40.2	107	92.8	0.57
								[ S1BN8-F ]		1/4	21.0	91	88.6	0.35
1108XNG IE3	100	104	893	157	1208	J	2 +1	AWG 3-4	1.06-1.13	4/4	79.7	157	93.6	0.77
								AWG 15-10	0.63-0.67	3/4	59.8	130	93.5	0.70
								Rubber Cable		2/4	40.2	107	92.8	0.57
								[ S1BN8-F ]		1/4	21.0	91	88.6	0.35
1508UNG IE3	120	104	897	192	1612	K	2 +1	AWG 1-4	1.19-1.27	4/4	95.1	192	94.1	0.75
								AWG 15-10	0.63-0.67	3/4	71.8	162	93.5	0.67
								Rubber Cable		2/4	48.7	137	91.9	0.54
								[ S1BN8-F ]		1/4	25.8	119	86.6	0.33
1508XNG IE3	120	104	897	192	1612	K	2 +1	AWG 1-4	1.19-1.27	4/4	95.1	192	94.1	0.75
								AWG 15-10	0.63-0.67	3/4	71.8	162	93.5	0.67
								Rubber Cable		2/4	48.7	137	91.9	0.54
								[ S1BN8-F ]		1/4	25.8	119	86.6	0.33
1858UNG IE3	150	104	897	241	2001	K	2 +1	AWG 1/0-4	1.37-1.45	4/4	119	241	94.1	0.75
								AWG 15-10	0.63-0.67	3/4	90	200	93.7	0.68
								Rubber Cable		2/4	61	171	92.1	0.54
								[ S1BN8-F ]		1/4	32	148	87.1	0.33
1858XNG IE3	150	104	897	241	2001	K	2 +1	AWG 1/0-4	1.37-1.45	4/4	119	241	94.1	0.75
								AWG 15-10	0.63-0.67	3/4	90	200	93.7	0.68
								Rubber Cable		2/4	61	171	92.1	0.54
								[ S1BN8-F ]		1/4	32	148	87.1	0.33

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]
2608UNG IE3	240	104	897	367	2901	J	4 +1	AWG 1-4	1.19-1.27	4/4	188	367	95.0	0.78
								AWG 15-10	0.63-0.67	3/4	142	300	94.4	0.72
								Rubber Cable		2/4	96	247	93.2	0.59
								[ S1BN8-F ]		1/4	50	207	89.0	0.37
2608XNG IE3	240	104	897	367	2901	J	4 +1	AWG 1-4	1.19-1.27	4/4	188	367	95.0	0.78
								AWG 15-10	0.63-0.67	3/4	142	300	94.4	0.72
								Rubber Cable		2/4	96	247	93.2	0.59
								[ S1BN8-F ]		1/4	50	207	89.0	0.37
3008UNG IE3	280	104	897	422	3337	J	4 +1	AWG 1/0-4	1.37-1.45	4/4	220	422	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	166	345	94.6	0.73
								Rubber Cable		2/4	112	278	93.4	0.61
								[ S1BN8-F ]		1/4	59	234	89.3	0.38
3008XNG IE3	280	104	897	422	3337	J	4 +1	AWG 1/0-4	1.37-1.45	4/4	220	422	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	166	345	94.6	0.73
								Rubber Cable		2/4	112	278	93.4	0.61
								[ S1BN8-F ]		1/4	59	234	89.3	0.38
3508UNG IE3	335	104	897	506	4098	K	4 +1	AWG 3/0-4	1.52-1.64	4/4	263	506	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	198	418	94.6	0.72
								Rubber Cable		2/4	134	338	93.5	0.60
								[ S1BN8-F ]		1/4	70	280	89.3	0.38
3508XNG IE3	335	104	897	506	4098	K	4 +1	AWG 3/0-4	1.52-1.64	4/4	263	506	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	198	418	94.6	0.72
								Rubber Cable		2/4	134	338	93.5	0.60
								[ S1BN8-F ]		1/4	70	280	89.3	0.38

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

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 [-]
316UEG IE3	25	104	1191	28.9	266	K	2	AWG 11-4	0.49-0.53	4/4	20.1	28.9	93.0	0.87
								AWG 15-8	0.56-0.60	3/4	15.1	23.0	92.9	0.82
								Rubber Cable		2/4	10.1	17.7	92.0	0.72
								[ S1BN8-F ]		1/4	5.3	13.4	87.6	0.50
316XEG IE3	25	104	1191	28.9	266	K	2	AWG 11-4	0.49-0.53	4/4	20.1	28.9	93.0	0.87
								AWG 15-8	0.56-0.60	3/4	15.1	23.0	92.9	0.82
								Rubber Cable		2/4	10.1	17.7	92.0	0.72
								[ S1BN8-F ]		1/4	5.3	13.4	87.6	0.50
376UEG IE3	30	104	1190	35.1	316	K	2	AWG 11-4	0.49-0.53	4/4	24.1	35.1	93.0	0.86
								AWG 15-8	0.56-0.60	3/4	18.0	27.9	93.1	0.81
								Rubber Cable		2/4	12.1	21.4	92.2	0.71
								[ S1BN8-F ]		1/4	6.3	16.6	88.1	0.48
376XEG IE3	30	104	1190	35.1	316	K	2	AWG 11-4	0.49-0.53	4/4	24.1	35.1	93.0	0.86
								AWG 15-8	0.56-0.60	3/4	18.0	27.9	93.1	0.81
								Rubber Cable		2/4	12.1	21.4	92.2	0.71
								[ S1BN8-F ]		1/4	6.3	16.6	88.1	0.48
456UEG IE3	40	104	1191	47.4	459	L	2	AWG 11-4	0.49-0.53	4/4	31.7	47.4	94.1	0.84
								AWG 15-8	0.56-0.60	3/4	24.0	38.5	93.4	0.78
								Rubber Cable		2/4	16.1	30.2	92.6	0.67
								[ S1BN8-F ]		1/4	8.4	24.6	88.5	0.43
456XEG IE3	40	104	1191	47.4	459	L	2	AWG 11-4	0.49-0.53	4/4	31.7	47.4	94.1	0.84
								AWG 15-8	0.56-0.60	3/4	24.0	38.5	93.4	0.78
								Rubber Cable		2/4	16.1	30.2	92.6	0.67
								[ S1BN8-F ]		1/4	8.4	24.6	88.5	0.43
556UEG IE3	50	104	1191	58.5	561	K	2	AWG 9-4	0.56-0.60	4/4	39.6	58.5	94.1	0.85
								AWG 15-8	0.56-0.60	3/4	29.8	46.7	93.9	0.80
								Rubber Cable		2/4	20.0	36.4	93.2	0.69
								[ S1BN8-F ]		1/4	10.4	28.4	89.5	0.46
556XEG IE3	50	104	1191	58.5	561	K	2	AWG 9-4	0.56-0.60	4/4	39.6	58.5	94.1	0.85
								AWG 15-8	0.56-0.60	3/4	29.8	46.7	93.9	0.80
								Rubber Cable		2/4	20.0	36.4	93.2	0.69
								[ S1BN8-F ]		1/4	10.4	28.4	89.5	0.46
806UNG IE3	60	104	1191	73.4	734	L	2	AWG 7-4	0.72-0.77	4/4	47.4	73.4	94.5	0.81
								AWG 15-10	0.63-0.67	3/4	35.9	60.8	93.6	0.74
								Rubber Cable		2/4	24.1	48.9	92.7	0.62
								[ S1BN8-F ]		1/4	12.6	41.7	88.6	0.38
806XNG IE3	60	104	1191	73.4	734	L	2	AWG 7-4	0.72-0.77	4/4	47.4	73.4	94.5	0.81
								AWG 15-10	0.63-0.67	3/4	35.9	60.8	93.6	0.74
								Rubber Cable		2/4	24.1	48.9	92.7	0.62
								[ S1BN8-F ]		1/4	12.6	41.7	88.6	0.38



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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]	
	[hp]		[rpm]	[A]	[A]										
158UEG IE3	10	104	884	14.7	94	J	1	AWG 15-12	0.65-0.69	4/4	8.33	14.7	89.5	0.71	
								Rubber Cable [S1BN8-F]		3/4	6.28	12.5	89.0	0.63	
										2/4	4.28	11.0	87.1	0.49	
										1/4	2.33	9.8	79.9	0.30	
158XEG IE3	10	104	884	14.7	94	J	1	AWG 15-12	0.65-0.69	4/4	8.33	14.7	89.5	0.71	
								Rubber Cable [S1BN8-F]		3/4	6.28	12.5	89.0	0.63	
										2/4	4.28	11.0	87.1	0.49	
										1/4	2.33	9.8	79.9	0.30	
188UEG IE3	15	104	881	21.4	128	H	1	AWG 13-12	0.73-0.77	4/4	12.5	21.4	89.8	0.73	
								Rubber Cable [S1BN8-F]		3/4	9.3	17.8	89.9	0.66	
										2/4	6.3	14.9	88.7	0.53	
										1/4	3.4	12.8	82.9	0.33	
188XEG IE3	15	104	881	21.4	128	H	1	AWG 13-12	0.73-0.77	4/4	12.5	21.4	89.8	0.73	
								Rubber Cable [S1BN8-F]		3/4	9.3	17.8	89.9	0.66	
										2/4	6.3	14.9	88.7	0.53	
										1/4	3.4	12.8	82.9	0.33	
228UEG IE3	20	104	881	28.8	176	H	1	AWG 11-7+15-5	0.83-0.91	4/4	16.5	28.8	90.3	0.72	
								Rubber Cable [S1BN8-F]		3/4	12.4	23.9	90.5	0.65	
										2/4	8.4	20.2	89.3	0.52	
										1/4	4.5	18.0	83.7	0.31	
228XEG IE3	20	104	881	28.8	176	H	1	AWG 11-7+15-5	0.83-0.91	4/4	16.5	28.8	90.3	0.72	
								Rubber Cable [S1BN8-F]		3/4	12.4	23.9	90.5	0.65	
										2/4	8.4	20.2	89.3	0.52	
										1/4	4.5	18.0	83.7	0.31	
308UEG IE3	25	104	889	31.9	208	H	2 +1	AWG 11-4	0.49-0.53	4/4	20.4	31.9	91.6	0.80	
								AWG 15-8		3/4	15.3	25.6	91.5	0.75	
								Rubber Cable [S1BN8-F]		2/4	10.3	20.5	90.8	0.63	
										1/4	5.4	16.5	86.3	0.41	
308XEG IE3	25	104	889	31.9	208	H	2 +1	AWG 11-4	0.49-0.53	4/4	20.4	31.9	91.6	0.80	
								AWG 15-8		3/4	15.3	25.6	91.5	0.75	
								Rubber Cable [S1BN8-F]		2/4	10.3	20.5	90.8	0.63	
										1/4	5.4	16.5	86.3	0.41	
378UEG IE3	30	104	889	37.7	238	H	2 +1	AWG 11-4	0.49-0.53	4/4	24.3	37.7	91.9	0.81	
								AWG 15-8		3/4	18.2	30.1	92.0	0.76	
								Rubber Cable [S1BN8-F]		2/4	12.2	23.2	91.6	0.66	
										1/4	6.4	18.7	87.1	0.43	
378XEG IE3	30	104	889	37.7	238	H	2 +1	AWG 11-4	0.49-0.53	4/4	24.3	37.7	91.9	0.81	
								AWG 15-8		3/4	18.2	30.1	92.0	0.76	
								Rubber Cable [S1BN8-F]		2/4	12.2	23.2	91.6	0.66	
										1/4	6.4	18.7	87.1	0.43	
458UEG IE3	40	104	889	49.5	308	G	2 +1	AWG 9-4	0.56-0.60	4/4	32.4	49.5	92.2	0.82	
								AWG 15-8		3/4	24.2	39.5	92.4	0.77	
								Rubber Cable [S1BN8-F]		2/4	16.2	30.8	92.0	0.66	
										1/4	8.4	24.6	88.5	0.43	

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

motor type	motor rating P2	max. temp. pumped media [°F]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA I <sub>s</sub>	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 [-]
458XEG IE3	40	104	889	49.5	308	G	2	AWG 9-4	0.56-0.60	4/4	32.4	49.5	92.2	0.82
							+1	AWG 15-8	0.56-0.60	3/4	24.2	39.5	92.4	0.77
								Rubber Cable		2/4	16.2	30.8	92.0	0.66
								[ S1BN8-F ]		1/4	8.4	24.6	88.5	0.43
658UNG IE3	50	104	890	64.9	450	J	2	AWG 7-4	0.72-0.77	4/4	40.4	64.9	92.4	0.78
							+1	AWG 15-10	0.63-0.67	3/4	30.3	54.3	92.3	0.70
								Rubber Cable		2/4	20.4	44.1	91.5	0.58
								[ S1BN8-F ]		1/4	10.7	37.1	87.5	0.36
658XNG IE3	50	104	890	64.9	450	J	2	AWG 7-4	0.72-0.77	4/4	40.4	64.9	92.4	0.78
							+1	AWG 15-10	0.63-0.67	3/4	30.3	54.3	92.3	0.70
								Rubber Cable		2/4	20.4	44.1	91.5	0.58
								[ S1BN8-F ]		1/4	10.7	37.1	87.5	0.36
908UNG IE3	75	104	894	98.7	796	K	2	AWG 5-4	0.89-0.94	4/4	59.8	98.7	93.6	0.76
							+1	AWG 15-10	0.63-0.67	3/4	45.0	81.8	93.3	0.69
								Rubber Cable		2/4	30.4	68.0	92.1	0.56
								[ S1BN8-F ]		1/4	15.8	58.4	88.4	0.34
908XNG IE3	75	104	894	98.7	796	K	2	AWG 5-4	0.89-0.94	4/4	59.8	98.7	93.6	0.76
							+1	AWG 15-10	0.63-0.67	3/4	45.0	81.8	93.3	0.69
								Rubber Cable		2/4	30.4	68.0	92.1	0.56
								[ S1BN8-F ]		1/4	15.8	58.4	88.4	0.34
1108UNG IE3	100	104	893	130	1000	J	2	AWG 3-4	1.06-1.13	4/4	79.7	130	93.6	0.77
							+1	AWG 15-10	0.63-0.67	3/4	59.8	107	93.5	0.70
								Rubber Cable		2/4	40.2	88	92.8	0.57
								[ S1BN8-F ]		1/4	21.0	75	88.6	0.35
1108XNG IE3	100	104	893	130	1000	J	2	AWG 3-4	1.06-1.13	4/4	79.7	130	93.6	0.77
							+1	AWG 15-10	0.63-0.67	3/4	59.8	107	93.5	0.70
								Rubber Cable		2/4	40.2	88	92.8	0.57
								[ S1BN8-F ]		1/4	21.0	75	88.6	0.35
1508UNG IE3	120	104	897	159	1335	K	2	AWG 3-4	1.06-1.13	4/4	95.1	159	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	71.8	134	93.5	0.67
								Rubber Cable		2/4	48.7	113	91.9	0.54
								[ S1BN8-F ]		1/4	25.8	98	86.6	0.33
1508XNG IE3	120	104	897	159	1335	K	2	AWG 3-4	1.06-1.13	4/4	95.1	159	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	71.8	134	93.5	0.67
								Rubber Cable		2/4	48.7	113	91.9	0.54
								[ S1BN8-F ]		1/4	25.8	98	86.6	0.33
1858UNG IE3	150	104	897	199	1652	K	2	AWG 1/0-4	1.37-1.45	4/4	119	199	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	90	165	93.7	0.68
								Rubber Cable		2/4	61	141	92.1	0.54
								[ S1BN8-F ]		1/4	32	122	87.1	0.33
1858XNG IE3	150	104	897	199	1652	K	2	AWG 1/0-4	1.37-1.45	4/4	119	199	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	90	165	93.7	0.68
								Rubber Cable		2/4	61	141	92.1	0.54
								[ S1BN8-F ]		1/4	32	122	87.1	0.33

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]
2608UNG IE3	240	104	897	303	2395	J	4	AWG 3-4	1.06-1.13	4/4	188	303	95.0	0.78
								AWG 15-10	0.63-0.67	3/4	142	248	94.4	0.72
								Rubber Cable		2/4	96	204	93.2	0.59
								[ S1BN8-F ]		1/4	50	171	89.0	0.37
2608XNG IE3	240	104	897	303	2395	J	4	AWG 3-4	1.06-1.13	4/4	188	303	95.0	0.78
								AWG 15-10	0.63-0.67	3/4	142	248	94.4	0.72
								Rubber Cable		2/4	96	204	93.2	0.59
								[ S1BN8-F ]		1/4	50	171	89.0	0.37
3008UNG IE3	280	104	897	349	2760	J	4	AWG 1-4	1.19-1.27	4/4	220	349	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	166	285	94.6	0.73
								Rubber Cable		2/4	112	230	93.4	0.61
								[ S1BN8-F ]		1/4	59	193	89.3	0.38
3008XNG IE3	280	104	897	349	2760	J	4	AWG 1-4	1.19-1.27	4/4	220	349	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	166	285	94.6	0.73
								Rubber Cable		2/4	112	230	93.4	0.61
								[ S1BN8-F ]		1/4	59	193	89.3	0.38
3508UNG IE3	335	104	897	418	3385	K	4	AWG 1/0-4	1.37-1.45	4/4	263	418	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	198	345	94.6	0.72
								Rubber Cable		2/4	134	279	93.5	0.60
								[ S1BN8-F ]		1/4	70	231	89.3	0.38
3508XNG IE3	335	104	897	418	3385	K	4	AWG 1/0-4	1.37-1.45	4/4	263	418	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	198	345	94.6	0.72
								Rubber Cable		2/4	134	279	93.5	0.60
								[ S1BN8-F ]		1/4	70	231	89.3	0.38

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- 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 [-]
316UEG IE3	25	104	1191	23.1	213	K	2 +1	AWG 11-4	0.49-0.53	4/4	20.1	23.1	93.0	0.87
								AWG 15-8	0.56-0.60	3/4	15.1	18.4	92.9	0.82
								Rubber Cable		2/4	10.1	14.2	92.0	0.72
								[S1BN8-F]		1/4	5.3	10.7	87.6	0.50
316XEG IE3	25	104	1191	23.1	213	K	2 +1	AWG 11-4	0.49-0.53	4/4	20.1	23.1	93.0	0.87
								AWG 15-8	0.56-0.60	3/4	15.1	18.4	92.9	0.82
								Rubber Cable		2/4	10.1	14.2	92.0	0.72
								[S1BN8-F]		1/4	5.3	10.7	87.6	0.50
376UEG IE3	30	104	1190	28.1	253	K	2 +1	AWG 11-4	0.49-0.53	4/4	24.1	28.1	93.0	0.86
								AWG 15-8	0.56-0.60	3/4	18.0	22.3	93.1	0.81
								Rubber Cable		2/4	12.1	17.1	92.2	0.71
								[S1BN8-F]		1/4	6.3	13.3	88.1	0.48
376XEG IE3	30	104	1190	28.1	253	K	2 +1	AWG 11-4	0.49-0.53	4/4	24.1	28.1	93.0	0.86
								AWG 15-8	0.56-0.60	3/4	18.0	22.3	93.1	0.81
								Rubber Cable		2/4	12.1	17.1	92.2	0.71
								[S1BN8-F]		1/4	6.3	13.3	88.1	0.48
456UEG IE3	40	104	1191	37.9	367	L	2 +1	AWG 11-4	0.49-0.53	4/4	31.7	37.9	94.1	0.84
								AWG 15-8	0.56-0.60	3/4	24.0	30.8	93.4	0.78
								Rubber Cable		2/4	16.1	24.2	92.6	0.67
								[S1BN8-F]		1/4	8.4	19.7	88.5	0.43
456XEG IE3	40	104	1191	37.9	367	L	2 +1	AWG 11-4	0.49-0.53	4/4	31.7	37.9	94.1	0.84
								AWG 15-8	0.56-0.60	3/4	24.0	30.8	93.4	0.78
								Rubber Cable		2/4	16.1	24.2	92.6	0.67
								[S1BN8-F]		1/4	8.4	19.7	88.5	0.43
556UEG IE3	50	104	1191	46.8	449	K	2 +1	AWG 11-4	0.49-0.53	4/4	39.6	46.8	94.1	0.85
								AWG 15-8	0.56-0.60	3/4	29.8	37.4	93.9	0.80
								Rubber Cable		2/4	20.0	29.1	93.2	0.69
								[S1BN8-F]		1/4	10.4	22.7	89.5	0.46
556XEG IE3	50	104	1191	46.8	449	K	2 +1	AWG 11-4	0.49-0.53	4/4	39.6	46.8	94.1	0.85
								AWG 15-8	0.56-0.60	3/4	29.8	37.4	93.9	0.80
								Rubber Cable		2/4	20.0	29.1	93.2	0.69
								[S1BN8-F]		1/4	10.4	22.7	89.5	0.46
806UNG IE3	60	104	1191	58.7	587	L	2 +1	AWG 9-4	0.56-0.60	4/4	47.4	58.7	94.5	0.81
								AWG 15-10	0.63-0.67	3/4	35.9	48.6	93.6	0.74
								Rubber Cable		2/4	24.1	39.1	92.7	0.62
								[S1BN8-F]		1/4	12.6	33.4	88.6	0.38
806XNG IE3	60	104	1191	58.7	587	L	2 +1	AWG 9-4	0.56-0.60	4/4	47.4	58.7	94.5	0.81
								AWG 15-10	0.63-0.67	3/4	35.9	48.6	93.6	0.74
								Rubber Cable		2/4	24.1	39.1	92.7	0.62
								[S1BN8-F]		1/4	12.6	33.4	88.6	0.38

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]	
	[hp]		[rpm]	[A]	[A]										
158UEG IE3	10	104	884	11.8	75	J	1	AWG 15-12	0.65-0.69	4/4	8.33	11.8	89.5	0.71	
								Rubber Cable [S1BN8-F]		3/4	6.28	10.0	89.0	0.63	
										2/4	4.28	8.8	87.1	0.49	
										1/4	2.33	7.8	79.9	0.30	
158XEG IE3	10	104	884	11.8	75	J	1	AWG 15-12	0.65-0.69	4/4	8.33	11.8	89.5	0.71	
								Rubber Cable [S1BN8-F]		3/4	6.28	10.0	89.0	0.63	
										2/4	4.28	8.8	87.1	0.49	
										1/4	2.33	7.8	79.9	0.30	
188UEG IE3	15	104	881	17.1	102	H	1	AWG 15-12	0.65-0.69	4/4	12.5	17.1	89.8	0.73	
								Rubber Cable [S1BN8-F]		3/4	9.3	14.2	89.9	0.66	
										2/4	6.3	11.9	88.7	0.53	
										1/4	3.4	10.2	82.9	0.33	
188XEG IE3	15	104	881	17.1	102	H	1	AWG 15-12	0.65-0.69	4/4	12.5	17.1	89.8	0.73	
								Rubber Cable [S1BN8-F]		3/4	9.3	14.2	89.9	0.66	
										2/4	6.3	11.9	88.7	0.53	
										1/4	3.4	10.2	82.9	0.33	
228UEG IE3	20	104	881	23.0	141	H	1	AWG 13-12	0.73-0.77	4/4	16.5	23.0	90.3	0.72	
								Rubber Cable [S1BN8-F]		3/4	12.4	19.1	90.5	0.65	
										2/4	8.4	16.2	89.3	0.52	
										1/4	4.5	14.4	83.7	0.31	
228XEG IE3	20	104	881	23.0	141	H	1	AWG 13-12	0.73-0.77	4/4	16.5	23.0	90.3	0.72	
								Rubber Cable [S1BN8-F]		3/4	12.4	19.1	90.5	0.65	
										2/4	8.4	16.2	89.3	0.52	
										1/4	4.5	14.4	83.7	0.31	
308UEG IE3	25	104	889	25.5	166	H	2 +1	AWG 11-4	0.49-0.53	4/4	20.4	25.5	91.6	0.80	
								AWG 15-8		3/4	15.3	20.5	91.5	0.75	
								Rubber Cable [S1BN8-F]		2/4	10.3	16.4	90.8	0.63	
										1/4	5.4	13.2	86.3	0.41	
308XEG IE3	25	104	889	25.5	166	H	2 +1	AWG 11-4	0.49-0.53	4/4	20.4	25.5	91.6	0.80	
								AWG 15-8		3/4	15.3	20.5	91.5	0.75	
								Rubber Cable [S1BN8-F]		2/4	10.3	16.4	90.8	0.63	
										1/4	5.4	13.2	86.3	0.41	
378UEG IE3	30	104	889	30.2	190	H	2 +1	AWG 11-4	0.49-0.53	4/4	24.3	30.2	91.9	0.81	
								AWG 15-8		3/4	18.2	24.1	92.0	0.76	
								Rubber Cable [S1BN8-F]		2/4	12.2	18.6	91.6	0.66	
										1/4	6.4	15.0	87.1	0.43	
378XEG IE3	30	104	889	30.2	190	H	2 +1	AWG 11-4	0.49-0.53	4/4	24.3	30.2	91.9	0.81	
								AWG 15-8		3/4	18.2	24.1	92.0	0.76	
								Rubber Cable [S1BN8-F]		2/4	12.2	18.6	91.6	0.66	
										1/4	6.4	15.0	87.1	0.43	
458UEG IE3	40	104	889	39.6	246	G	2 +1	AWG 11-4	0.49-0.53	4/4	32.4	39.6	92.2	0.82	
								AWG 15-8		3/4	24.2	31.6	92.4	0.77	
								Rubber Cable [S1BN8-F]		2/4	16.2	24.6	92.0	0.66	
										1/4	8.4	19.7	88.5	0.43	

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

motor type	motor rating P2	max. temp. pumped media [°F]	speed nom. n <sub>n</sub>	FLA I <sub>n</sub>	LRA I <sub>s</sub>	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 [-]
458XEG IE3	40	104	889	39.6	246	G	2	AWG 11-4	0.49-0.53	4/4	32.4	39.6	92.2	0.82
							+1	AWG 15-8	0.56-0.60	3/4	24.2	31.6	92.4	0.77
								Rubber Cable		2/4	16.2	24.6	92.0	0.66
								[ S1BN8-F ]		1/4	8.4	19.7	88.5	0.43
658UNG IE3	50	104	890	51.9	360	J	2	AWG 9-4	0.56-0.60	4/4	40.4	51.9	92.4	0.78
							+1	AWG 15-10	0.63-0.67	3/4	30.3	43.4	92.3	0.70
								Rubber Cable		2/4	20.4	35.3	91.5	0.58
								[ S1BN8-F ]		1/4	10.7	29.7	87.5	0.36
658XNG IE3	50	104	890	51.9	360	J	2	AWG 9-4	0.56-0.60	4/4	40.4	51.9	92.4	0.78
							+1	AWG 15-10	0.63-0.67	3/4	30.3	43.4	92.3	0.70
								Rubber Cable		2/4	20.4	35.3	91.5	0.58
								[ S1BN8-F ]		1/4	10.7	29.7	87.5	0.36
908UNG IE3	75	104	894	79.0	637	K	2	AWG 7-4	0.72-0.77	4/4	59.8	79.0	93.6	0.76
							+1	AWG 15-10	0.63-0.67	3/4	45.0	65.4	93.3	0.69
								Rubber Cable		2/4	30.4	54.4	92.1	0.56
								[ S1BN8-F ]		1/4	15.8	46.7	88.4	0.34
908XNG IE3	75	104	894	79.0	637	K	2	AWG 7-4	0.72-0.77	4/4	59.8	79.0	93.6	0.76
							+1	AWG 15-10	0.63-0.67	3/4	45.0	65.4	93.3	0.69
								Rubber Cable		2/4	30.4	54.4	92.1	0.56
								[ S1BN8-F ]		1/4	15.8	46.7	88.4	0.34
1108UNG IE3	100	104	893	104	800	J	2	AWG 5-4	0.89-0.94	4/4	79.7	104	93.6	0.77
							+1	AWG 15-10	0.63-0.67	3/4	59.8	86	93.5	0.70
								Rubber Cable		2/4	40.2	70	92.8	0.57
								[ S1BN8-F ]		1/4	21.0	60	88.6	0.35
1108XNG IE3	100	104	893	104	800	J	2	AWG 5-4	0.89-0.94	4/4	79.7	104	93.6	0.77
							+1	AWG 15-10	0.63-0.67	3/4	59.8	86	93.5	0.70
								Rubber Cable		2/4	40.2	70	92.8	0.57
								[ S1BN8-F ]		1/4	21.0	60	88.6	0.35
1508UNG IE3	120	104	897	127	1066	K	2	AWG 3-4	1.06-1.13	4/4	95.1	127	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	71.8	107	93.5	0.67
								Rubber Cable		2/4	48.7	90	91.9	0.54
								[ S1BN8-F ]		1/4	25.8	78	86.6	0.33
1508XNG IE3	120	104	897	127	1066	K	2	AWG 3-4	1.06-1.13	4/4	95.1	127	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	71.8	107	93.5	0.67
								Rubber Cable		2/4	48.7	90	91.9	0.54
								[ S1BN8-F ]		1/4	25.8	78	86.6	0.33
1858UNG IE3	150	104	897	159	1320	K	2	AWG 3-4	1.06-1.13	4/4	119	159	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	90	132	93.7	0.68
								Rubber Cable		2/4	61	113	92.1	0.54
								[ S1BN8-F ]		1/4	32	98	87.1	0.33
1858XNG IE3	150	104	897	159	1320	K	2	AWG 3-4	1.06-1.13	4/4	119	159	94.1	0.75
							+1	AWG 15-10	0.63-0.67	3/4	90	132	93.7	0.68
								Rubber Cable		2/4	61	113	92.1	0.54
								[ S1BN8-F ]		1/4	32	98	87.1	0.33

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

motor type	motor rating P2	max. temp. pumped media [°F]	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 [-]
2608UNG IE3	240	104	897	242	1913	J	4	AWG 3-4	1.06-1.13	4/4	188	242	95.0	0.78
								AWG 15-10	0.63-0.67	3/4	142	198	94.4	0.72
								Rubber Cable		2/4	96	163	93.2	0.59
								[ S1BN8-F ]		1/4	50	137	89.0	0.37
2608XNG IE3	240	104	897	242	1913	J	4	AWG 3-4	1.06-1.13	4/4	188	242	95.0	0.78
								AWG 15-10	0.63-0.67	3/4	142	198	94.4	0.72
								Rubber Cable		2/4	96	163	93.2	0.59
								[ S1BN8-F ]		1/4	50	137	89.0	0.37
3008UNG IE3	280	104	897	279	2206	J	4	AWG 3-4	1.06-1.13	4/4	220	279	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	166	228	94.6	0.73
								Rubber Cable		2/4	112	184	93.4	0.61
								[ S1BN8-F ]		1/4	59	154	89.3	0.38
3008XNG IE3	280	104	897	279	2206	J	4	AWG 3-4	1.06-1.13	4/4	220	279	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	166	228	94.6	0.73
								Rubber Cable		2/4	112	184	93.4	0.61
								[ S1BN8-F ]		1/4	59	154	89.3	0.38
3508UNG IE3	335	104	897	334	2705	K	4	AWG 1-4	1.19-1.27	4/4	263	334	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	198	276	94.6	0.72
								Rubber Cable		2/4	134	223	93.5	0.60
								[ S1BN8-F ]		1/4	70	185	89.3	0.38
3508XNG IE3	335	104	897	334	2705	K	4	AWG 1-4	1.19-1.27	4/4	263	334	95.0	0.79
								AWG 15-10	0.63-0.67	3/4	198	276	94.6	0.72
								Rubber Cable		2/4	134	223	93.5	0.60
								[ S1BN8-F ]		1/4	70	185	89.3	0.38



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