

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

Motor Speeds

4 Pole - 1750 RPM

Motor Voltages

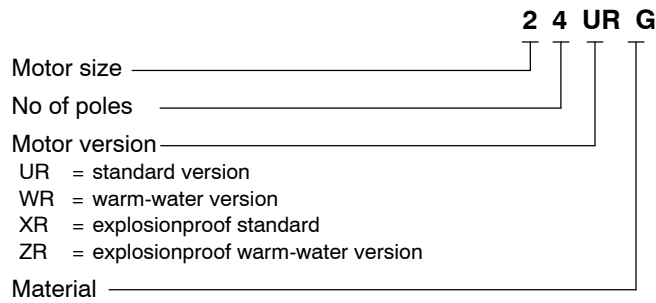
380 Volts

460 Volts

575 Volts

All submersible mixers type Amaprop have three-phase squirrel-cage induction motors.

Type designation:



Frequency: 60 Hz

Voltage:

Standard voltages: 380V, 460 V and 575 V
 For further voltage ratings please consult factory.
 Allowances for mains deviation are according to range A of IEC 60 034-1: supply voltage $\pm 5\%$, supply frequency $\pm 2\%$.
 Range B of IEC 60 034-1 is possible but continuous operation is not recommended: supply voltage $\pm 10\%$
 The maximum voltage difference between phases is 1%

Starting mode:

Across the line (D. O. L.)

Switching frequency:

all motor ratings: max. 15/hr

Cable standard:

380 V, 460 V: ... cable selection according to NEC
 575 V: cable selection according to CSA

Mode of temperatures:

Insulation system corresponds to insulation class F.
 The maximum mixed medium temperature is noted in the data tables.

Operation with variable frequency drive (VFD):

All motors are suitable for operation with VFD.
 All motors have a 1.15 service factor.
 Please take into account an additional power reserve of 5%.

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460 Volts	8 - 11
575 Volts	12 - 15

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
14URG	1.7	104	1710	3.45	16	G	1	AWG 15-7	0.52-0.57	4/4	1.78	3.45	71.2	0.78
-								Rubber Cable [S1BN8-F]		3/4	1.39	3.09	68.6	0.68
										2/4	1.00	2.84	63.7	0.53
										1/4	0.61	2.54	52.0	0.37
14XRG	1.7	104	1710	3.45	16	G	1	AWG 15-7	0.52-0.57	4/4	1.78	3.45	71.2	0.78
-								Rubber Cable [S1BN8-F]		3/4	1.39	3.09	68.6	0.68
										2/4	1.00	2.84	63.7	0.53
										1/4	0.61	2.54	52.0	0.37
24URG	2.2	104	1730	4.66	25	J	1	AWG 15-7	0.52-0.57	4/4	2.16	4.66	76.0	0.70
-								Rubber Cable [S1BN8-F]		3/4	1.66	4.15	73.9	0.61
										2/4	1.19	3.79	68.8	0.48
										1/4	0.74	3.55	55.3	0.32
24XRG	2.2	104	1730	4.66	25	J	1	AWG 15-7	0.52-0.57	4/4	2.16	4.66	76.0	0.70
-								Rubber Cable [S1BN8-F]		3/4	1.66	4.15	73.9	0.61
										2/4	1.19	3.79	68.8	0.48
										1/4	0.74	3.55	55.3	0.32
24URG	2.7	104	1710	5.21	25	G	1	AWG 15-7	0.52-0.57	4/4	2.63	5.21	76.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	2.00	4.48	75.6	0.68
										2/4	1.40	3.93	71.7	0.54
										1/4	0.84	3.58	59.8	0.36
24XRG	2.7	104	1710	5.21	25	G	1	AWG 15-7	0.52-0.57	4/4	2.63	5.21	76.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	2.00	4.48	75.6	0.68
										2/4	1.40	3.93	71.7	0.54
										1/4	0.84	3.58	59.8	0.36
24URG	3.4	104	1690	6.29	25	E	1	AWG 15-7	0.52-0.57	4/4	3.32	6.29	76.4	0.80
-								Rubber Cable [S1BN8-F]		3/4	2.49	5.02	76.4	0.75
										2/4	1.70	4.24	74.6	0.61
										1/4	0.99	3.63	64.0	0.40
24XRG	3.4	104	1690	6.29	25	E	1	AWG 15-7	0.52-0.57	4/4	3.32	6.29	76.4	0.80
-								Rubber Cable [S1BN8-F]		3/4	2.49	5.02	76.4	0.75
										2/4	1.70	4.24	74.6	0.61
										1/4	0.99	3.63	64.0	0.40
34URG	4.2	104	1720	8.11	40	G	1	AWG 15-7	0.52-0.57	4/4	3.95	8.11	79.3	0.74
-								Rubber Cable [S1BN8-F]		3/4	2.99	7.06	78.6	0.64
										2/4	2.13	6.36	73.6	0.51
										1/4	1.24	5.80	62.9	0.33
34XRG	4.2	104	1720	8.11	40	G	1	AWG 15-7	0.52-0.57	4/4	3.95	8.11	79.3	0.74
-								Rubber Cable [S1BN8-F]		3/4	2.99	7.06	78.6	0.64
										2/4	2.13	6.36	73.6	0.51
										1/4	1.24	5.80	62.9	0.33
44URG	6	104	1750	9.20	67	J	1	AWG 15-12	0.65-0.69	4/4	5.20	9.20	86.0	0.86
-								Rubber Cable [S1BN8-F]		3/4	3.91	7.32	85.8	0.81
										2/4	2.68	5.81	83.4	0.70
										1/4	1.49	4.68	74.9	0.48

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
44XRG	6	104	1750	9.20	67	J	1	AWG 15-12	0.65-0.69	4/4	5.20	9.20	86.0	0.86
-								Rubber Cable [S1BN8-F]		3/4	3.91	7.32	85.8	0.81
-										2/4	2.68	5.81	83.4	0.70
-										1/4	1.49	4.68	74.9	0.48
44URG	7.4	104	1740	11.1	67	G	1	AWG 15-12	0.65-0.69	4/4	6.50	11.1	85.0	0.89
-								Rubber Cable [S1BN8-F]		3/4	4.81	8.6	86.0	0.85
-										2/4	3.24	6.4	85.2	0.76
-										1/4	1.78	4.9	77.7	0.55
44XRG	7.4	104	1740	11.1	67	G	1	AWG 15-12	0.65-0.69	4/4	6.50	11.1	85.0	0.89
-								Rubber Cable [S1BN8-F]		3/4	4.81	8.6	86.0	0.85
-										2/4	3.24	6.4	85.2	0.76
-										1/4	1.78	4.9	77.7	0.55
54URG	8.6	104	1750	13.2	92	H	1	AWG 15-12	0.65-0.69	4/4	7.45	13.2	86.1	0.86
-								Rubber Cable [S1BN8-F]		3/4	5.58	10.4	86.2	0.82
-										2/4	3.78	8.0	84.8	0.72
-										1/4	2.06	6.6	78.0	0.48
54XRG	8.6	104	1750	13.2	92	H	1	AWG 15-12	0.65-0.69	4/4	7.45	13.2	86.1	0.86
-								Rubber Cable [S1BN8-F]		3/4	5.58	10.4	86.2	0.82
-										2/4	3.78	8.0	84.8	0.72
-										1/4	2.06	6.6	78.0	0.48
64URG	8.7	113	1774	14.3	113	K	1	AWG 15-12	0.65-0.69	4/4	7.48	14.3	86.7	0.80
-								Rubber Cable [S1BN8-F]		3/4	5.72	11.8	85.0	0.74
-										2/4	4.03	9.6	80.6	0.64
-										1/4	2.33	7.7	69.6	0.46
64XRG	8.7	113	1774	14.3	113	K	1	AWG 15-12	0.65-0.69	4/4	7.48	14.3	86.7	0.80
-								Rubber Cable [S1BN8-F]		3/4	5.72	11.8	85.0	0.74
-										2/4	4.03	9.6	80.6	0.64
-										1/4	2.33	7.7	69.6	0.46
64ZRG	8	140	1776	13.4	113	L	1	AWG 15-12	0.65-0.69	4/4	6.90	13.4	86.5	0.78
-								Rubber Cable [S1BN8-F]		3/4	5.31	11.1	84.3	0.73
-										2/4	3.74	9.2	79.8	0.62
-										1/4	2.19	7.8	68.0	0.43
64WRG	8	140	1776	13.4	113	L	1	AWG 15-12	0.65-0.69	4/4	6.90	13.4	86.5	0.78
-								Rubber Cable [S1BN8-F]		3/4	5.31	11.1	84.3	0.73
-										2/4	3.74	9.2	79.8	0.62
-										1/4	2.19	7.8	68.0	0.43
114URG	13	113	1775	21.1	157	J	1	AWG 13-12	0.73-0.77	4/4	11.0	21.1	88.2	0.79
-								Rubber Cable [S1BN8-F]		3/4	8.3	17.2	87.1	0.74
-										2/4	5.8	14.0	84.3	0.62
-										1/4	3.2	11.6	75.5	0.42
114XRG	13	113	1775	21.1	157	J	1	AWG 13-12	0.73-0.77	4/4	11.0	21.1	88.2	0.79
-								Rubber Cable [S1BN8-F]		3/4	8.3	17.2	87.1	0.74
-										2/4	5.8	14.0	84.3	0.62
-										1/4	3.2	11.6	75.5	0.42

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
114ZRG	10	140	1781	17.6	159	M	1	AWG 13-12	0.73-0.77	4/4	8.55	17.6	87.2	0.74
-								Rubber Cable [S1BN8-F]		3/4	6.54	14.9	85.5	0.67
-										2/4	4.58	12.8	81.5	0.54
-										1/4	2.63	11.1	70.8	0.36
114WRG	10	140	1781	17.6	159	M	1	AWG 13-12	0.73-0.77	4/4	8.55	17.6	87.2	0.74
-								Rubber Cable [S1BN8-F]		3/4	6.54	14.9	85.5	0.67
-										2/4	4.58	12.8	81.5	0.54
-										1/4	2.63	11.1	70.8	0.36
164URG	20	113	1765	31.8	218	J	1	AWG 11-7+15-5	0.83-0.91	4/4	16.8	31.8	89.0	0.80
-								Rubber Cable [S1BN8-F]		3/4	12.6	26.3	88.5	0.73
-										2/4	8.6	20.5	86.6	0.64
-										1/4	4.7	16.6	79.3	0.43
164XRG	20	113	1765	31.8	218	J	1	AWG 11-7+15-5	0.83-0.91	4/4	16.8	31.8	89.0	0.80
-								Rubber Cable [S1BN8-F]		3/4	12.6	26.3	88.5	0.73
-										2/4	8.6	20.5	86.6	0.64
-										1/4	4.7	16.6	79.3	0.43
164ZRG	15	140	1774	25.7	218	L	1	AWG 9-7+15-5	0.94-1.06	4/4	12.6	25.7	88.5	0.75
-								Rubber Cable [S1BN8-F]		3/4	9.6	21.8	87.3	0.67
-										2/4	6.6	18.6	84.2	0.54
-										1/4	3.7	16.2	74.9	0.35
164WRG	15	140	1774	25.7	218	L	1	AWG 9-7+15-5	0.94-1.06	4/4	12.6	25.7	88.5	0.75
-								Rubber Cable [S1BN8-F]		3/4	9.6	21.8	87.3	0.67
-										2/4	6.6	18.6	84.2	0.54
-										1/4	3.7	16.2	74.9	0.35
164URG	17.5	113	1770	28.7	218	K	1	AWG 11-7+15-5	0.83-0.91	4/4	14.7	28.7	88.8	0.78
-								Rubber Cable [S1BN8-F]		3/4	11.1	23.6	88.0	0.72
-										2/4	7.6	19.6	85.5	0.59
-										1/4	4.2	16.6	77.4	0.39
164XRG	17.5	113	1770	28.7	218	K	1	AWG 11-7+15-5	0.83-0.91	4/4	14.7	28.7	88.8	0.78
-								Rubber Cable [S1BN8-F]		3/4	11.1	23.6	88.0	0.72
-										2/4	7.6	19.6	85.5	0.59
-										1/4	4.2	16.6	77.4	0.39
164ZRG	13.5	140	1777	24.0	218	M	1	AWG 11-7+15-5	0.83-0.91	4/4	11.4	24.0	88.2	0.72
-								Rubber Cable [S1BN8-F]		3/4	8.7	20.8	86.6	0.64
-										2/4	6.1	18.1	83.1	0.51
-										1/4	3.4	16.1	73.0	0.33
164WRG	13.5	140	1777	24.0	218	M	1	AWG 11-7+15-5	0.83-0.91	4/4	11.4	24.0	88.2	0.72
-								Rubber Cable [S1BN8-F]		3/4	8.7	20.8	86.6	0.64
-										2/4	6.1	18.1	83.1	0.51
-										1/4	3.4	16.1	73.0	0.33
234URG	26	113	1770	40.3	278	H	1	AWG 9-7+15-5	0.94-1.06	4/4	21.5	40.3	90.2	0.81
-								Rubber Cable [S1BN8-F]		3/4	16.2	31.1	89.9	0.79
-										2/4	11.0	24.6	88.2	0.68
-										1/4	5.9	20.0	82.1	0.45

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
234XRG	26	113	1770	40.3	278	H	1	AWG 9-7+15-5	0.94-1.06	4/4	21.5	40.3	90.2	0.81
-								Rubber Cable [S1BN8-F]		3/4	16.2	31.1	89.9	0.79
										2/4	11.0	24.6	88.2	0.68
										1/4	5.9	20.0	82.1	0.45
234ZRG	21	140	1776	33.0	278	K	1	AWG 7-7+15-5	0.96-1.08	4/4	17.4	33.0	90.1	0.80
-								Rubber Cable [S1BN8-F]		3/4	13.2	27.0	89.2	0.74
										2/4	9.0	22.5	86.8	0.61
										1/4	4.9	19.2	79.3	0.39
234WRG	21	140	1776	33.0	278	K	1	AWG 7-7+15-5	0.96-1.08	4/4	17.4	33.0	90.1	0.80
-								Rubber Cable [S1BN8-F]		3/4	13.2	27.0	89.2	0.74
										2/4	9.0	22.5	86.8	0.61
										1/4	4.9	19.2	79.3	0.39
234ZRG	17.5	140	1780	28.9	278	M	1	AWG 9-7+15-5	0.94-1.06	4/4	14.6	28.9	89.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	11.1	24.6	88.3	0.68
										2/4	7.6	21.3	85.3	0.55
										1/4	4.3	19.0	76.5	0.34
234WRG	17.5	140	1780	28.9	278	M	1	AWG 9-7+15-5	0.94-1.06	4/4	14.6	28.9	89.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	11.1	24.6	88.3	0.68
										2/4	7.6	21.3	85.3	0.55
										1/4	4.3	19.0	76.5	0.34

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pump- media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
14URG	1.7	104	1710	2.85	13	G	1	AWG 15-7	0.52-0.57	4/4	1.78	2.85	71.2	0.78
-								Rubber Cable [S1BN8-F]		3/4	1.39	2.55	68.6	0.68
										2/4	1.00	2.35	63.7	0.53
										1/4	0.61	2.10	52.0	0.37
14XRG	1.7	104	1710	2.85	13	G	1	AWG 15-7	0.52-0.57	4/4	1.78	2.85	71.2	0.78
-								Rubber Cable [S1BN8-F]		3/4	1.39	2.55	68.6	0.68
										2/4	1.00	2.35	63.7	0.53
										1/4	0.61	2.10	52.0	0.37
24URG	2.2	104	1730	3.85	21	J	1	AWG 15-7	0.52-0.57	4/4	2.16	3.85	76.0	0.70
-								Rubber Cable [S1BN8-F]		3/4	1.66	3.43	73.9	0.61
										2/4	1.19	3.13	68.8	0.48
										1/4	0.74	2.93	55.3	0.32
24XRG	2.2	104	1730	3.85	21	J	1	AWG 15-7	0.52-0.57	4/4	2.16	3.85	76.0	0.70
-								Rubber Cable [S1BN8-F]		3/4	1.66	3.43	73.9	0.61
										2/4	1.19	3.13	68.8	0.48
										1/4	0.74	2.93	55.3	0.32
24URG	2.7	104	1710	4.30	21	G	1	AWG 15-7	0.52-0.57	4/4	2.63	4.30	76.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	2.00	3.70	75.6	0.68
										2/4	1.40	3.25	71.7	0.54
										1/4	0.84	2.96	59.8	0.36
24XRG	2.7	104	1710	4.30	21	G	1	AWG 15-7	0.52-0.57	4/4	2.63	4.30	76.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	2.00	3.70	75.6	0.68
										2/4	1.40	3.25	71.7	0.54
										1/4	0.84	2.96	59.8	0.36
24URG	3.4	104	1690	5.20	21	E	1	AWG 15-7	0.52-0.57	4/4	3.32	5.20	76.4	0.80
-								Rubber Cable [S1BN8-F]		3/4	2.49	4.15	76.4	0.75
										2/4	1.70	3.50	74.6	0.61
										1/4	0.99	3.00	64.0	0.40
24XRG	3.4	104	1690	5.20	21	E	1	AWG 15-7	0.52-0.57	4/4	3.32	5.20	76.4	0.80
-								Rubber Cable [S1BN8-F]		3/4	2.49	4.15	76.4	0.75
										2/4	1.70	3.50	74.6	0.61
										1/4	0.99	3.00	64.0	0.40
34URG	4.2	104	1720	6.70	33	G	1	AWG 15-7	0.52-0.57	4/4	3.95	6.70	79.3	0.74
-								Rubber Cable [S1BN8-F]		3/4	2.99	5.83	78.6	0.64
										2/4	2.13	5.25	73.6	0.51
										1/4	1.24	4.79	62.9	0.33
34XRG	4.2	104	1720	6.70	33	G	1	AWG 15-7	0.52-0.57	4/4	3.95	6.70	79.3	0.74
-								Rubber Cable [S1BN8-F]		3/4	2.99	5.83	78.6	0.64
										2/4	2.13	5.25	73.6	0.51
										1/4	1.24	4.79	62.9	0.33
44URG	6	104	1750	7.60	55	J	1	AWG 15-12	0.65-0.69	4/4	5.20	7.60	86.0	0.86
-								Rubber Cable [S1BN8-F]		3/4	3.91	6.05	85.8	0.81
										2/4	2.68	4.80	83.4	0.70
										1/4	1.49	3.87	74.9	0.48

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
44XRG	6	104	1750	7.60	55	J	1	AWG 15-12	0.65-0.69	4/4	5.20	7.60	86.0	0.86
-								Rubber Cable [S1BN8-F]		3/4	3.91	6.05	85.8	0.81
-										2/4	2.68	4.80	83.4	0.70
-										1/4	1.49	3.87	74.9	0.48
44URG	7.4	104	1740	9.15	55	G	1	AWG 15-12	0.65-0.69	4/4	6.50	9.15	85.0	0.89
-								Rubber Cable [S1BN8-F]		3/4	4.81	7.10	86.0	0.85
-										2/4	3.24	5.32	85.2	0.76
-										1/4	1.78	4.07	77.7	0.55
44XRG	7.4	104	1740	9.15	55	G	1	AWG 15-12	0.65-0.69	4/4	6.50	9.15	85.0	0.89
-								Rubber Cable [S1BN8-F]		3/4	4.81	7.10	86.0	0.85
-										2/4	3.24	5.32	85.2	0.76
-										1/4	1.78	4.07	77.7	0.55
54URG	8.6	104	1750	10.9	76	H	1	AWG 15-12	0.65-0.69	4/4	7.45	10.9	86.1	0.86
-								Rubber Cable [S1BN8-F]		3/4	5.58	8.6	86.2	0.82
-										2/4	3.78	6.6	84.8	0.72
-										1/4	2.06	5.4	78.0	0.48
54XRG	8.6	104	1750	10.9	76	H	1	AWG 15-12	0.65-0.69	4/4	7.45	10.9	86.1	0.86
-								Rubber Cable [S1BN8-F]		3/4	5.58	8.6	86.2	0.82
-										2/4	3.78	6.6	84.8	0.72
-										1/4	2.06	5.4	78.0	0.48
64URG	8.7	113	1774	11.8	93	K	1	AWG 15-12	0.65-0.69	4/4	7.48	11.8	86.7	0.80
-								Rubber Cable [S1BN8-F]		3/4	5.72	9.7	85.0	0.74
-										2/4	4.03	7.9	80.6	0.64
-										1/4	2.33	6.4	69.6	0.46
64XRG	8.7	113	1774	11.8	93	K	1	AWG 15-12	0.65-0.69	4/4	7.48	11.8	86.7	0.80
-								Rubber Cable [S1BN8-F]		3/4	5.72	9.7	85.0	0.74
-										2/4	4.03	7.9	80.6	0.64
-										1/4	2.33	6.4	69.6	0.46
64ZRG	8	140	1776	11.1	93	L	1	AWG 15-12	0.65-0.69	4/4	6.90	11.1	86.5	0.78
-								Rubber Cable [S1BN8-F]		3/4	5.31	9.2	84.3	0.73
-										2/4	3.74	7.6	79.8	0.62
-										1/4	2.19	6.5	68.0	0.43
64WRG	8	140	1776	11.1	93	L	1	AWG 15-12	0.65-0.69	4/4	6.90	11.1	86.5	0.78
-								Rubber Cable [S1BN8-F]		3/4	5.31	9.2	84.3	0.73
-										2/4	3.74	7.6	79.8	0.62
-										1/4	2.19	6.5	68.0	0.43
114URG	13	113	1775	17.4	130	J	1	AWG 15-12	0.65-0.69	4/4	11.0	17.4	88.2	0.79
-								Rubber Cable [S1BN8-F]		3/4	8.3	14.2	87.1	0.74
-										2/4	5.8	11.6	84.3	0.62
-										1/4	3.2	9.6	75.5	0.42
114XRG	13	113	1775	17.4	130	J	1	AWG 15-12	0.65-0.69	4/4	11.0	17.4	88.2	0.79
-								Rubber Cable [S1BN8-F]		3/4	8.3	14.2	87.1	0.74
-										2/4	5.8	11.6	84.3	0.62
-										1/4	3.2	9.6	75.5	0.42

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
114ZRG	10	140	1781	14.5	131	M	1	AWG 13-12	0.73-0.77	4/4	8.55	14.5	87.2	0.74
-								Rubber Cable [S1BN8-F]		3/4	6.54	12.3	85.5	0.67
-										2/4	4.58	10.6	81.5	0.54
-										1/4	2.63	9.2	70.8	0.36
114WRG	10	140	1781	14.5	131	M	1	AWG 13-12	0.73-0.77	4/4	8.55	14.5	87.2	0.74
-								Rubber Cable [S1BN8-F]		3/4	6.54	12.3	85.5	0.67
-										2/4	4.58	10.6	81.5	0.54
-										1/4	2.63	9.2	70.8	0.36
164URG	20	113	1765	26.3	180	J	1	AWG 11-7+15-5	0.83-0.91	4/4	16.8	26.3	89.0	0.80
-								Rubber Cable [S1BN8-F]		3/4	12.6	21.7	88.5	0.73
-										2/4	8.6	16.9	86.6	0.64
-										1/4	4.7	13.7	79.3	0.43
164XRG	20	113	1765	26.3	180	J	1	AWG 11-7+15-5	0.83-0.91	4/4	16.8	26.3	89.0	0.80
-								Rubber Cable [S1BN8-F]		3/4	12.6	21.7	88.5	0.73
-										2/4	8.6	16.9	86.6	0.64
-										1/4	4.7	13.7	79.3	0.43
164ZRG	15	140	1774	21.2	180	L	1	AWG 11-7+15-5	0.83-0.91	4/4	12.6	21.2	88.5	0.75
-								Rubber Cable [S1BN8-F]		3/4	9.6	18.0	87.3	0.67
-										2/4	6.6	15.4	84.2	0.54
-										1/4	3.7	13.4	74.9	0.35
164WRG	15	140	1774	21.2	180	L	1	AWG 11-7+15-5	0.83-0.91	4/4	12.6	21.2	88.5	0.75
-								Rubber Cable [S1BN8-F]		3/4	9.6	18.0	87.3	0.67
-										2/4	6.6	15.4	84.2	0.54
-										1/4	3.7	13.4	74.9	0.35
164URG	17.5	113	1770	23.7	180	K	1	AWG 11-7+15-5	0.83-0.91	4/4	14.7	23.7	88.8	0.78
-								Rubber Cable [S1BN8-F]		3/4	11.1	19.5	88.0	0.72
-										2/4	7.6	16.2	85.5	0.59
-										1/4	4.2	13.7	77.4	0.39
164XRG	17.5	113	1770	23.7	180	K	1	AWG 11-7+15-5	0.83-0.91	4/4	14.7	23.7	88.8	0.78
-								Rubber Cable [S1BN8-F]		3/4	11.1	19.5	88.0	0.72
-										2/4	7.6	16.2	85.5	0.59
-										1/4	4.2	13.7	77.4	0.39
164ZRG	13.5	140	1777	19.8	180	M	1	AWG 11-7+15-5	0.83-0.91	4/4	11.4	19.8	88.2	0.72
-								Rubber Cable [S1BN8-F]		3/4	8.7	17.1	86.6	0.64
-										2/4	6.1	14.9	83.1	0.51
-										1/4	3.4	13.3	73.0	0.33
164WRG	13.5	140	1777	19.8	180	M	1	AWG 11-7+15-5	0.83-0.91	4/4	11.4	19.8	88.2	0.72
-								Rubber Cable [S1BN8-F]		3/4	8.7	17.1	86.6	0.64
-										2/4	6.1	14.9	83.1	0.51
-										1/4	3.4	13.3	73.0	0.33
234URG	26	113	1770	33.3	230	H	1	AWG 9-7+15-5	0.94-1.06	4/4	21.5	33.3	90.2	0.81
-								Rubber Cable [S1BN8-F]		3/4	16.2	25.7	89.9	0.79
-										2/4	11.0	20.3	88.2	0.68
-										1/4	5.9	16.5	82.1	0.45

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [in]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
234XRG	26	113	1770	33.3	230	H	1	AWG 9-7+15-5	0.94-1.06	4/4	21.5	33.3	90.2	0.81
-								Rubber Cable [S1BN8-F]		3/4	16.2	25.7	89.9	0.79
										2/4	11.0	20.3	88.2	0.68
										1/4	5.9	16.5	82.1	0.45
234ZRG	21	140	1776	27.3	230	K	1	AWG 9-7+15-5	0.94-1.06	4/4	17.4	27.3	90.1	0.80
-								Rubber Cable [S1BN8-F]		3/4	13.2	22.3	89.2	0.74
										2/4	9.0	18.6	86.8	0.61
										1/4	4.9	15.9	79.3	0.39
234WRG	21	140	1776	27.3	230	K	1	AWG 9-7+15-5	0.94-1.06	4/4	17.4	27.3	90.1	0.80
-								Rubber Cable [S1BN8-F]		3/4	13.2	22.3	89.2	0.74
										2/4	9.0	18.6	86.8	0.61
										1/4	4.9	15.9	79.3	0.39
234ZRG	17.5	140	1780	23.9	230	M	1	AWG 11-7+15-5	0.83-0.91	4/4	14.6	23.9	89.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	11.1	20.3	88.3	0.69
										2/4	7.6	17.6	85.3	0.55
										1/4	4.3	15.7	76.5	0.34
234WRG	17.5	140	1780	23.9	230	M	1	AWG 11-7+15-5	0.83-0.91	4/4	14.6	23.9	89.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	11.1	20.3	88.3	0.69
										2/4	7.6	17.6	85.3	0.55
										1/4	4.3	15.7	76.5	0.34

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [mm]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
14URG	1.7	104	1710	2.28	10	G	1	AWG 16-8	14.3-15.3	4/4	1.78	2.28	71.2	0.78
-								Rubber Cable [S1BN8-F]		3/4	1.39	2.04	68.6	0.68
										2/4	1.00	1.88	63.7	0.53
										1/4	0.61	1.68	52.0	0.37
14XRG	1.7	104	1710	2.28	10	G	1	AWG 16-8	14.3-15.3	4/4	1.78	2.28	71.2	0.78
-								Rubber Cable [S1BN8-F]		3/4	1.39	2.04	68.6	0.68
										2/4	1.00	1.88	63.7	0.53
										1/4	0.61	1.68	52.0	0.37
24URG	2.2	104	1730	3.08	17	J	1	AWG 16-8	14.3-15.3	4/4	2.16	3.08	76.0	0.70
-								Rubber Cable [S1BN8-F]		3/4	1.66	2.74	73.9	0.61
										2/4	1.19	2.50	68.8	0.48
										1/4	0.74	2.34	55.3	0.32
24XRG	2.2	104	1730	3.08	17	J	1	AWG 16-8	14.3-15.3	4/4	2.16	3.08	76.0	0.70
-								Rubber Cable [S1BN8-F]		3/4	1.66	2.74	73.9	0.61
										2/4	1.19	2.50	68.8	0.48
										1/4	0.74	2.34	55.3	0.32
24URG	2.7	104	1710	3.44	17	G	1	AWG 16-8	14.3-15.3	4/4	2.63	3.44	76.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	2.00	2.96	75.6	0.68
										2/4	1.40	2.60	71.7	0.54
										1/4	0.84	2.37	59.8	0.36
24XRG	2.7	104	1710	3.44	17	G	1	AWG 16-8	14.3-15.3	4/4	2.63	3.44	76.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	2.00	2.96	75.6	0.68
										2/4	1.40	2.60	71.7	0.54
										1/4	0.84	2.37	59.8	0.36
24URG	3.4	104	1690	4.16	17	E	1	AWG 16-8	14.3-15.3	4/4	3.32	4.16	76.4	0.80
-								Rubber Cable [S1BN8-F]		3/4	2.49	3.32	76.4	0.75
										2/4	1.70	2.80	74.6	0.61
										1/4	0.99	2.40	64.0	0.40
24XRG	3.4	104	1690	4.16	17	E	1	AWG 16-8	14.3-15.3	4/4	3.32	4.16	76.4	0.80
-								Rubber Cable [S1BN8-F]		3/4	2.49	3.32	76.4	0.75
										2/4	1.70	2.80	74.6	0.61
										1/4	0.99	2.40	64.0	0.40
34URG	4.2	104	1720	5.36	26	G	1	AWG 16-8	14.3-15.3	4/4	3.95	5.36	79.3	0.74
-								Rubber Cable [S1BN8-F]		3/4	2.99	4.66	78.6	0.64
										2/4	2.13	4.20	73.6	0.51
										1/4	1.24	3.83	62.9	0.33
34XRG	4.2	104	1720	5.36	26	G	1	AWG 16-8	14.3-15.3	4/4	3.95	5.36	79.3	0.74
-								Rubber Cable [S1BN8-F]		3/4	2.99	4.66	78.6	0.64
										2/4	2.13	4.20	73.6	0.51
										1/4	1.24	3.83	62.9	0.33
44URG	6	104	1750	6.08	44	J	1	AWG 14-12	18.5-19.5	4/4	5.20	6.08	86.0	0.86
-								Rubber Cable [S1BN8-F]		3/4	3.91	4.84	85.8	0.81
										2/4	2.68	3.84	83.4	0.70
										1/4	1.49	3.10	74.9	0.48

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		Qty.	cable size power + control cable		motor data				
					I _s [A]	NEMA code letter		type	∅ min - max [mm]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
44XRG	6	104	1750	6.08	44	J	1	AWG 14-12	18.5-19.5	4/4	5.20	6.08	86.0	0.86
-								Rubber Cable [S1BN8-F]		3/4	3.91	4.84	85.8	0.81
-										2/4	2.68	3.84	83.4	0.70
-										1/4	1.49	3.10	74.9	0.48
44URG	7.4	104	1740	7.32	44	G	1	AWG 14-12	18.5-19.5	4/4	6.50	7.32	85.0	0.89
-								Rubber Cable [S1BN8-F]		3/4	4.81	5.68	86.0	0.85
-										2/4	3.24	4.26	85.2	0.76
-										1/4	1.78	3.26	77.7	0.55
44XRG	7.4	104	1740	7.32	44	G	1	AWG 14-12	18.5-19.5	4/4	6.50	7.32	85.0	0.89
-								Rubber Cable [S1BN8-F]		3/4	4.81	5.68	86.0	0.85
-										2/4	3.24	4.26	85.2	0.76
-										1/4	1.78	3.26	77.7	0.55
54URG	8.6	104	1750	8.72	61	H	1	AWG 14-12	18.5-19.5	4/4	7.45	8.72	86.1	0.86
-								Rubber Cable [S1BN8-F]		3/4	5.58	6.86	86.2	0.82
-										2/4	3.78	5.30	84.8	0.72
-										1/4	2.06	4.34	78.0	0.48
54XRG	8.6	104	1750	8.72	61	H	1	AWG 14-12	18.5-19.5	4/4	7.45	8.72	86.1	0.86
-								Rubber Cable [S1BN8-F]		3/4	5.58	6.86	86.2	0.82
-										2/4	3.78	5.30	84.8	0.72
-										1/4	2.06	4.34	78.0	0.48
64URG	8.7	113	1774	9.44	74	K	1	AWG 16-12	16.6-17.6	4/4	7.48	9.44	86.7	0.80
-								Rubber Cable [S1BN8-F]		3/4	5.72	7.78	85.0	0.74
-										2/4	4.03	6.33	80.6	0.64
-										1/4	2.33	5.10	69.6	0.46
64XRG	8.7	113	1774	9.44	74	K	1	AWG 16-12	16.6-17.6	4/4	7.48	9.44	86.7	0.80
-								Rubber Cable [S1BN8-F]		3/4	5.72	7.78	85.0	0.74
-										2/4	4.03	6.33	80.6	0.64
-										1/4	2.33	5.10	69.6	0.46
64ZRG	8	140	1776	8.88	74	L	1	AWG 16-12	16.6-17.6	4/4	6.90	8.88	86.5	0.78
-								Rubber Cable [S1BN8-F]		3/4	5.31	7.32	84.3	0.73
-										2/4	3.74	6.09	79.8	0.62
-										1/4	2.19	5.16	68.0	0.43
64WRG	8	140	1776	8.88	74	L	1	AWG 16-12	16.6-17.6	4/4	6.90	8.88	86.5	0.78
-								Rubber Cable [S1BN8-F]		3/4	5.31	7.32	84.3	0.73
-										2/4	3.74	6.09	79.8	0.62
-										1/4	2.19	5.16	68.0	0.43
114URG	13	113	1775	13.9	104	J	1	AWG 14-12	18.5-19.5	4/4	11.0	13.9	88.2	0.79
-								Rubber Cable [S1BN8-F]		3/4	8.3	11.4	87.1	0.74
-										2/4	5.8	9.3	84.3	0.62
-										1/4	3.2	7.7	75.5	0.42
114XRG	13	113	1775	13.9	104	J	1	AWG 14-12	18.5-19.5	4/4	11.0	13.9	88.2	0.79
-								Rubber Cable [S1BN8-F]		3/4	8.3	11.4	87.1	0.74
-										2/4	5.8	9.3	84.3	0.62
-										1/4	3.2	7.7	75.5	0.42

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pum- ped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [mm]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
114ZRG	10	140	1781	11.6	105	M	1	AWG 14-12	18.5-19.5	4/4	8.55	11.6	87.2	0.74
-								Rubber Cable [S1BN8-F]		3/4	6.54	9.8	85.5	0.67
-										2/4	4.58	8.5	81.5	0.54
-										1/4	2.63	7.3	70.8	0.36
114WRG	10	140	1781	11.6	105	M	1	AWG 14-12	18.5-19.5	4/4	8.55	11.6	87.2	0.74
-								Rubber Cable [S1BN8-F]		3/4	6.54	9.8	85.5	0.67
-										2/4	4.58	8.5	81.5	0.54
-										1/4	2.63	7.3	70.8	0.36
164URG	20	113	1765	21.0	144	J	1	AWG 12-7+16-5	21.0-23.0	4/4	16.8	21.0	89.0	0.80
-								Rubber Cable [S1BN8-F]		3/4	12.6	17.4	88.5	0.73
-										2/4	8.6	13.5	86.6	0.64
-										1/4	4.7	11.0	79.3	0.43
164XRG	20	113	1765	21.0	144	J	1	AWG 12-7+16-5	21.0-23.0	4/4	16.8	21.0	89.0	0.80
-								Rubber Cable [S1BN8-F]		3/4	12.6	17.4	88.5	0.73
-										2/4	8.6	13.5	86.6	0.64
-										1/4	4.7	11.0	79.3	0.43
164ZRG	15	140	1774	17.0	144	L	1	AWG 12-7+16-5	21.0-23.0	4/4	12.6	17.0	88.5	0.75
-								Rubber Cable [S1BN8-F]		3/4	9.6	14.4	87.3	0.67
-										2/4	6.6	12.3	84.2	0.54
-										1/4	3.7	10.7	74.9	0.35
164WRG	15	140	1774	17.0	144	L	1	AWG 12-7+16-5	21.0-23.0	4/4	12.6	17.0	88.5	0.75
-								Rubber Cable [S1BN8-F]		3/4	9.6	14.4	87.3	0.67
-										2/4	6.6	12.3	84.2	0.54
-										1/4	3.7	10.7	74.9	0.35
164URG	17.5	113	1770	19.0	144	K	1	AWG 12-7+16-5	21.0-23.0	4/4	14.7	19.0	88.8	0.78
-								Rubber Cable [S1BN8-F]		3/4	11.1	15.6	88.0	0.72
-										2/4	7.6	13.0	85.5	0.59
-										1/4	4.2	11.0	77.4	0.38
164XRG	17.5	113	1770	19.0	144	K	1	AWG 12-7+16-5	21.0-23.0	4/4	14.7	19.0	88.8	0.78
-								Rubber Cable [S1BN8-F]		3/4	11.1	15.6	88.0	0.72
-										2/4	7.6	13.0	85.5	0.59
-										1/4	4.2	11.0	77.4	0.38
164ZRG	13.5	140	1777	15.9	144	M	1	AWG 12-7+16-5	21.0-23.0	4/4	11.4	15.9	88.2	0.72
-								Rubber Cable [S1BN8-F]		3/4	8.7	13.7	86.6	0.64
-										2/4	6.1	12.0	83.1	0.51
-										1/4	3.4	10.6	73.0	0.33
164WRG	13.5	140	1777	15.9	144	M	1	AWG 12-7+16-5	21.0-23.0	4/4	11.4	15.9	88.2	0.72
-								Rubber Cable [S1BN8-F]		3/4	8.7	13.7	86.6	0.64
-										2/4	6.1	12.0	83.1	0.51
-										1/4	3.4	10.6	73.0	0.33
234URG	26	113	1770	26.6	184	H	1	AWG 12-7+16-5	21.0-23.0	4/4	21.5	26.6	90.2	0.81
-								Rubber Cable [S1BN8-F]		3/4	16.2	20.6	89.9	0.79
-										2/4	11.0	16.2	88.2	0.68
-										1/4	5.9	13.2	82.1	0.45

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

motor type efficiency class	motor rating P2 [hp]	max. temp. pumped media [°F]	speed nom. n _n [rpm]	FLA I _n [A]	LRA		cable size power + control cable			motor data				
					I _s [A]	NEMA code letter	Qty.	type	∅ min - max [mm]	load	motor input [kW]	curr. I [A]	effec. [%]	power factor [-]
234XRG	26	113	1770	26.6	184	H	1	AWG 12-7+16-5	21.0-23.0	4/4	21.5	26.6	90.2	0.81
-								Rubber Cable [S1BN8-F]		3/4	16.2	20.6	89.9	0.79
										2/4	11.0	16.2	88.2	0.68
										1/4	5.9	13.2	82.1	0.45
234ZRG	21	140	1776	21.8	184	K	1	AWG 12-7+16-5	21.0-23.0	4/4	17.4	21.8	90.1	0.80
-								Rubber Cable [S1BN8-F]		3/4	13.2	17.8	89.2	0.74
										2/4	9.0	14.9	86.8	0.61
										1/4	4.9	12.7	79.3	0.39
234WRG	21	140	1776	21.8	184	K	1	AWG 12-7+16-5	21.0-23.0	4/4	17.4	21.8	90.1	0.80
-								Rubber Cable [S1BN8-F]		3/4	13.2	17.8	89.2	0.74
										2/4	9.0	14.9	86.8	0.61
										1/4	4.9	12.7	79.3	0.39
234ZRG	17.5	140	1780	19.1	184	M	1	AWG 12-7+16-5	21.0-23.0	4/4	14.6	19.1	89.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	11.1	16.2	88.3	0.69
										2/4	7.6	14.1	85.3	0.54
										1/4	4.3	12.5	76.5	0.34
234WRG	17.5	140	1780	19.1	184	M	1	AWG 12-7+16-5	21.0-23.0	4/4	14.6	19.1	89.6	0.77
-								Rubber Cable [S1BN8-F]		3/4	11.1	16.2	88.3	0.69
										2/4	7.6	14.1	85.3	0.54
										1/4	4.3	12.5	76.5	0.34



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