



RED LION®

ORDER NUMBERS

HP	GPM	Volts	Wire	Model No.	Order No.	Order No. Control Box
1/2	5	230	3	RS5G05-3W2V	14942373	640189
3/4	5	230	3	RS5G07-3W2V	14942374	640190
1/2	7	230	3	RS7G05-3W2V	14942386	640189
3/4	7	230	3	RS7G07-3W2V	14942376	640190
1/2	10	230	3	RS10G05-3W2V	14942377	640189
3/4	10	230	3	RS10G07-3W2V	14942378	640190
1	10	230	3	RS10G10-3W2V	14942379	640191
1-1/2	10	230	3	RS10G15-3W2V	14942380	640222
3/4	15	230	3	RS15G07-3W2V	14942381	640190
1	15	230	3	RS15G10-3W2V	14942382	640191
1-1/2	15	230	3	RS15G15-3W2V	14942383	640222
1	20	230	3	RS20G10-3W2V	14942384	640191
1-1/2	20	230	3	RS20G15-3W2V	14942385	640222

5 GPM PERFORMANCE CHART

Capacity in US gallons per minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet - Shaded Areas Indicate Most Efficient Performance																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1/2	0						7.2		7.3	7.0	6.6	5.6	4.4	2.7					
	20						6.9	6.5	6.1	5.7	4.4	2.9							
	30				7.5	7.2	6.8	6.5	6.0	5.6	5.1	3.8	1.7						
	40			7.5	7.1	6.8	6.4	6.0	5.5	5.0	4.5	3.0							
	50		7.4	7.1	6.7	6.3	5.9	5.4	5.0	4.5	3.9	1.9							
	60	7.4	7.0	6.7	6.3	5.8	5.4	4.9	4.4	3.8	3.2								
	80	6.5	6.1	5.7	5.2	4.7	4.2	3.7	3.0	2.0									
Shut-off psi		160	152	143	134	126	117	108	100	91	82	61	39	17					
3/4	0										7.5	6.9	6.3	5.4	4.4	3.6	2.5		
	20								7.4	7.2	7.0	6.3	5.4	4.5	3.7	2.6			
	30							7.4	7.2	6.9	6.7	5.9	5.0	4.1	3.2	1.8			
	40						7.4	7.1	6.9	6.7	6.4	5.5	4.6	3.7	2.7				
	50					7.3	7.1	6.9	6.6	6.3	6.0	5.1	4.2	3.3	2.0				
	60			7.5	7.3	7.1	6.8	6.6	6.3	6.0	5.6	4.6	3.8	2.8					
	80	7.5	7.2	7.0	6.8	6.5	6.2	5.8	5.5	5.1	4.7	3.8	2.9	1.0					
Shut-off psi		225	217	208	199	191	182	173	165	156	147	126	104	82	61	39	17		

7 GPM PERFORMANCE CHART

Capacity in US gallons per minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet - Shaded Areas Indicate Most Efficient Performance																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1/2	0								10.0	9.0	8.0	4.3							
	20						9.7	8.7	7.7	6.6	4.8								
	30					9.5	8.5	7.6	6.4	4.4									
	40				9.4	8.4	7.4	6.2	4.0										
	50			9.2	8.2	7.3	5.9	3.5											
	60		9.0	8.1	7.1	5.7	2.9												
	80	7.8	6.7	5.0															
Shut-off psi		113	104	95	87	78	69	61	52	43	35	13							
3/4	0										9.0	6.9	3.0						
	20								9.8	9.1	7.1	3.4							
	30							9.7	9.0	8.3	5.8								
	40							9.6	8.9	8.2	7.3	3.8							
	50						9.5	8.8	8.0	7.2	6.0								
	60					9.4	8.7	7.9	7.0	5.8	4.2								
	80		9.9	9.2	8.5	7.7	6.7	5.4	3.6										
Shut-off psi		153	145	136	127	119	110	101	93	84	75	54	32	10					



RED LION®

10 GPM PERFORMANCE CHART Capacity in US gallons per minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet - Shaded Areas Indicate Most Efficient Performance																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	
1/2	0							14	12.1	10.2	8.6									Shut-off 240 ft
	20					13.4	11.5	9.7	8.1	5.5										
	30				13.2	11.2	9.4	7.8	4.8											
	40			12.9	10.9	9.2	7.5	3.9												
	50		12.6	10.6	9.0	7.2	3.0													
	60	12.2	10.3	8.7	6.8															
	80	8.2	5.8																	
Shut-off psi		95	87	78	69	61	52	43	35	26	17									
3/4	0									13.9	12.8	8.9								Shut-off 295 ft
	20							13.6	12.4	11.1	9.3									
	30						13.4	12.2	10.8	9.0	6.4									
	40					13.2	12.0	10.6	8.6	6.0										
	50				13.1	11.8	10.3	8.3	5.5											
	60		14	12.9	11.6	10.0	7.9	4.9												
	80	12.5	11.2	9.4	7.1	3.8														
Shut-off psi		119	110	102	93	84	76	67	58	50	41	19								
1	0											13.6	10.9	8.2						Shut-off 395 ft
	20										13.8	11.1	8.4							
	30									13.7	12.6	10.0	6.2							
	40								13.5	12.4	11.3	8.7								
	50							13.3	12.2	11.2	10.2	6.7								
	60						13.2	12.1	11.0	10.0	8.9									
	80			13.9	12.8	11.7	10.7	9.7	8.5	6.8	3.6									
Shut-off psi		162	154	145	136	128	119	110	102	93	84	63	41	19						
1 1/2	0													13.7	11.9	10.0	7.4			Shut-off 560 ft
	20												13.8	12.1	10.1	7.7	3.2			
	30												13.1	11.2	9.1	6.0				
	40											13.9	12.2	10.3	7.9	3.7				
	50											13.2	11.4	9.3	6.3					
	60											12.4	10.5	8.1	4.1					
	80								13.9	13.2	12.5	10.6	8.3	4.6						
Shut-off psi		234	225	217	208	199	191	182	173	165	156	134	113	91	69	48	26			

- Note: 1. Performance shown does not include friction loss in the drop pipe.
2. All performance data is based on rated motor nameplate voltage.



RED LION®

15 GPM PERFORMANCE CHART Capacity in US gallons per minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet - Shaded Areas Indicate Most Efficient Performance																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	
3/4	0							19	17	15	12									Shut-off 220.5 ft
	10						19	17	14	11										
	20				20	18	16	14	10											
	30			20	18	16	13	10												
	40		20	18	16	13	9													
	50	20	17	15	13	7														
	60	17	15	12	6															
	70	14	11																	
80	11																			
Shut-off psi		87	78	69	61	52	43	35	26	18	9									
1	0									20	18	12							Shut-off 280 ft	
	10								20	18	16	7								
	20							19	18	15	13									
	30						19	17	15	12	8									
	40				20	19	17	15	12	7										
	50			20	19	17	14	11	6											
	60		20	18	16	14	10	5												
	70	20	18	16	13	10	4													
	80	18	16	13	9															
	90	15	12	8																
	100	12	8																	
	110	7																		
Shut-off psi		113	104	95	87	78	69	61	52	43	35	13								
1 1/2	0											19	15	9					Shut-off 369.4 ft	
	10											17	13							
	20									20	19	15	10							
	30								20	19	17	13								
	40							20	18	17	15	10								
	50						20	18	17	15	13	5								
	60					19	18	16	15	13	11									
	70				19	18	16	15	13	11	6									
	80		20	19	17	16	14	13	10	5										
	90	20	19	17	16	14	12	9	4											
	100	19	17	15	14	12	9													
	110	17	15	14	12	8														
	120	15	13	11	7															
	130	13	11	7																
	140	10	6																	
	150	5																		
Shut-off psi		151	143	134	125	117	108	99	91	82	73	52	30	8						



RED LION®

20 GPM PERFORMANCE CHART

Capacity in US gallons per minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet - Shaded Areas Indicate Most Efficient Performance																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1	0					27	22	15											
	20				27	21	14												
	30			26	20	12													
	40		25	19	10														
	50	25	18	7															
	60	17																	
Shut-off psi		58	49	40	32	23	14	6											
1 1/2	0							27	23	19	14								
	10						26	23	18	13									
	20					26	22	18	11										
	30				25	21	17	9											
	40			25	20	16													
	50	27	24	20	16														
	60	24	19	15															
	70	19	13																
	80	12																	
Shut-off psi		83	75	66	57	49	40	31	23	14	5								

Note: 1. Performance shown does not include friction loss in the drop pipe.
2. All performance data is based on rated motor nameplate voltage.