

## PRODUCT RANGE UL - 8

Sr. No.	Type	Model	Duty Point Head Per Stage	Duty Point Discharge			Head Range in Meter	Available HP Range
				LPS	LPM	M <sup>3</sup> /H		
1	UL-8 SK	SK-20	16 - Mtr.	6.4	383	23.0	64 to 320	7.5 to 40.0
2		SK-25	16 - Mtr.	7.9	472	28.3	64 to 320	10.0 to 50.0
3		SK-30	18 - Mtr.	8.9	535	32.1	54 to 360	10.0 to 60.0
4		SK-40	18 - Mtr.	10.6	635	38.1	54 to 270	12.5 to 60.0
5		SK-50	18 - Mtr.	12.4	745	44.7	36 to 216	10.0 to 60.0

6	UL-8 SB	SB-30A	14 - Mtr.	12.25	735	44.1	42 to 210	10.0 to 45.0
7		SB-40	14 - Mtr.	15.42	925	55.5	28 to 210	7.5 to 60.0
8		SB-50	14 - Mtr.	19.75	1185	71.1	28 to 196	10.0 to 75.0
9		SB-60	14 - Mtr.	23.75	1425	85.5	28 to 224	12.5 to 100.0
10		SB-70	16 - Mtr.	26.25	1575	94.5	16 to 224	7.5 to 100.0
11		SB-80	16 - Mtr.	28.83	1730	103.8	16 to 160	7.5 to 85.0
12		SB-90	16 - Mtr.	31.83	1910	114.6	16 to 96	10.0 to 55.0
13		SB-100	16 - Mtr.	35.00	2100	126.1	16 to 160	10.0 to 100.0
14		SB-120	16 - Mtr.	42.00	2520	151.3	16 to 80	12.5 to 60.0
15		SB-150	16 - Mtr.	47.25	2835	170.2	16 to 64	15.0 to 60.0
16		SB-200	16 - Mtr.	52.50	3150	189.1	16 to 48	20.0 to 60.0

**Table A**

Current (Amp.) Wise Comparison Between S.V. &amp; C.V. Motor At Duty Point

Voltage	415	380	350	300	250	225	200	180
S.V. Standard Winding Current = H.P. x Times	1.64	1.67	1.77	2.07	2.40	2.31	2.17	1.866
	X	X	X	X	X	X	X	X
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
	16.45 Amp	16.77 Amp	17.76 Amp	20.72 Amp	24.00 Amp	23.17 Amp	21.72 Amp	18.66 Amp
C.V. (Common) Sp. for Low Voltage Current = H.P. x Times	2.07	1.89	1.90	2.12	2.55	2.64	2.48	2.32
	X	X	X	X	X	X	X	X
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
	20.70 Amp	18.95 Amp	19.03 Amp	21.23 Amp	25.58 Amp	26.41 Amp	24.89 Amp	23.22 Amp

**S.V. - Standard Voltage**  
**C.V. - Common Voltage**

The current and discharge performance of the S.V. and C.V. motors at various voltage condition, when coupled with compatible submersible pump, are given below in current wise comparison **table A** and discharge wise comparison **table B** which is self-explanatory.

“Customers are advised to refer these tables and select the appropriate motors which is suitable to their field condition for trouble free long lasting performance. They can also contact us through our toll free help line for our assistance.

**Table B**

Discharge (%) Wise Comparison Between S.V. &amp; C.V. Motor At Duty Point

Voltage	415	380	350	300	250	225	200	180
Discharge of S.V. Motor	100%	97.33%	93.33%	83%	53.33%	36.33%	17.66%	4%
Discharge of C.V. Motor	100%	98%	96%	88.70%	70.76%	50.16%	28.90%	14.28%

**S.V. Motor best working zone = 300 to 415 voltage**  
**C.V. Motor best working Zone = 200 to 400 voltage**

Example is on back page.

<b>EXAMPLE - 1</b>	<b>10.0 H.P. - HK - 100/10 Current (Amp.) &amp; Discharge Wise</b>								
	<b>Voltage</b>	<b>415</b>	<b>380</b>	<b>350</b>	<b>300</b>	<b>250</b>	<b>225</b>	<b>200</b>	<b>180</b>
	<b>STANDARD VOLTAGE (S.V.) - DESIGN</b>								
	<b>Current (Amp.)</b>	<b>16.45</b>	<b>16.77</b>	<b>17.76</b>	<b>20.72</b>	<b>24.00</b>	<b>23.17</b>	<b>21.72</b>	<b>18.66</b>
	<b>Discharge (LPM)</b>	<b>300</b>	<b>292</b>	<b>280</b>	<b>249</b>	<b>160</b>	<b>109</b>	<b>53</b>	<b>12</b>
	<b>COMMON VOLTAGE (C.V.) DESIGN</b>								
	<b>Current (Amp.)</b>	<b>20.70</b>	<b>18.95</b>	<b>19.03</b>	<b>21.23</b>	<b>25.58</b>	<b>26.41</b>	<b>24.89</b>	<b>23.22</b>
<b>Discharge (LPM)</b>	<b>301</b>	<b>295</b>	<b>289</b>	<b>267</b>	<b>213</b>	<b>151</b>	<b>87</b>	<b>43</b>	

<b>EXAMPLE - 2</b>	<b>6.0 H.P. - SB - 15/04 Current (Amp.) &amp; Discharge Wise</b>								
	<b>Voltage</b>	<b>415</b>	<b>380</b>	<b>350</b>	<b>300</b>	<b>250</b>	<b>225</b>	<b>200</b>	<b>180</b>
	<b>STANDARD VOLTAGE (S.V.) - DESIGN</b>								
	<b>Current (Amp.)</b>	<b>12.31</b>	<b>12.37</b>	<b>12.88</b>	<b>14.63</b>	<b>17.46</b>	<b>18.84</b>	<b>18.41</b>	<b>17.71</b>
	<b>Discharge (LPM)</b>	<b>703</b>	<b>684</b>	<b>673</b>	<b>626</b>	<b>505</b>	<b>383</b>	<b>227</b>	<b>62</b>
	<b>COMMON VOLTAGE (C.V.) DESIGN</b>								
	<b>Current (Amp.)</b>	<b>14.11</b>	<b>13.28</b>	<b>13.35</b>	<b>14.72</b>	<b>17.34</b>	<b>18.93</b>	<b>19.36</b>	<b>18.80</b>
<b>Discharge (LPM)</b>	<b>703</b>	<b>698</b>	<b>690</b>	<b>642</b>	<b>554</b>	<b>445</b>	<b>306</b>	<b>168</b>	

**UL  
8-SK**

Borewell Size	200 mm
Pump O.D.	188 mm
Motor O.D.	185 mm



## UL - 8 SK TYPE

Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
430	7.5	5.5	SK-20/04	-	
431	10.0	7.5	SK-20/05	-	
432	12.5	9.3	SK-20/06	-	
433	15.0	11.0	SK-20/07	-	

434	15.0	11.0	SK-20/08	ISI	
435	20.0	15.0	SK-20/09	ISI	
436	20.0	15.0	SK-20/10	ISI	
437	25.0	18.5	SK-20/11	-	

438	25.0	18.5	SK-20/12	ISI	
439	25.0	18.5	SK-20/13	-	
440	30.0	22.0	SK-20/14	-	
441	30.0	22.0	SK-20/15	ISI	

442	36.0	26.0	SK-20/16	-	
443	36.0	26.0	SK-20/17	-	
444	36.0	26.0	SK-20/18	-	
445	40.0	30.0	SK-20/19	-	
446	40.0	30.0	SK-20/20	-	



Mix Flow Cross Section



TOTAL HEAD IN METERS	Discharge										Method Of Starting	Recommended Cable in Sq. mm
	M <sup>3</sup> /H	5.7	14.5	19.2	23.0	24.8	26.1	29.0	32.1	37.8		
	LPM	95	242	320	383	414	435	483	535	630		
		88	80	72	64	60	56	48	40	20	S.D.	2.5
		110	100	90	80	75	70	60	50	25	S.D.	2.5
		132	120	108	96	90	84	72	60	30	S.D.	4.0
		154	140	126	112	105	98	84	70	35	S.D.	4.0
		176	160	144	128	120	112	96	80	40	S.D.	4.0
		198	180	162	144	135	126	108	90	45	S.D.	6.0
		220	200	180	160	150	140	120	100	50	S.D.	6.0
		242	220	198	176	165	154	132	110	55	S.D.	10.0
		264	240	216	192	180	168	144	120	60	S.D.	10.0
		286	260	234	208	195	182	156	130	65	S.D.	10.0
		308	280	252	224	210	196	168	140	70	S.D.	16.0
		330	300	270	240	225	210	180	150	75	S.D.	16.0
		352	320	288	256	240	224	192	160	80	S.D.	16.0
		374	340	306	272	255	238	204	170	85	S.D.	16.0
		396	360	324	288	270	252	216	180	90	S.D.	16.0
		418	380	342	304	285	266	228	190	95	S.D.	25.0
		440	400	360	320	300	280	240	200	100	S.D.	25.0

Best Working Zone

**UL  
8-SK**

Borewell Size	200 mm
Pump O.D.	188 mm
Motor O.D.	185 mm



## UL - 8 SK TYPE



Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
447	10.0	7.5	SK-25/04	-	
448	12.5	9.3	SK-25/05	-	
449	15.0	11.0	SK-25/06	ISI	
450	20.0	15.0	SK-25/07	-	
451	20.0	15.0	SK-25/08	ISI	

452	25.0	18.5	SK-25/09	-	
453	25.0	18.5	SK-25/10	ISI	
454	30.0	22.0	SK-25/11	-	
455	30.0	22.0	SK-25/12	ISI	

456	36.0	26.0	SK-25/13	-	
457	36.0	26.0	SK-25/14	ISI	
458	40.0	30.0	SK-25/15	-	
459	40.0	30.0	SK-25/16	ISI	

460.	45.0	33.5	SK-25/17	-	
461	45.0	33.5	SK-25/18	ISI	
462	50.0	41.0	SK-25/19	-	
463	50.0	41.0	SK-25/20	ISI	

TOTAL HEAD IN METERS	Discharge									Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	9.4	17.0	23.9	28.3	30.2	32.1	35.6	38.4			45.4
	LPM	157	283	399	472	504	535	593	640			756
	88	80	72	64	60	56	48	40	20	S.D.	2.5	
	110	100	90	80	75	70	60	50	25	S.D.	4.0	
	132	120	108	96	90	84	72	60	30	S.D.	4.0	
	154	140	126	112	105	98	84	70	35	S.D.	6.0	
	176	160	144	128	120	112	96	80	40	S.D.	6.0	
	198	180	162	144	135	126	108	90	45	S.D.	10.0	
	220	200	180	160	150	140	120	100	50	S.D.	10.0	
	242	220	198	176	165	154	132	110	55	S.D.	16.0	
	264	240	216	192	180	168	144	120	60	S.D.	16.0	
	286	260	234	208	195	182	156	130	65	S.D.	16.0	
	308	280	252	224	210	196	168	140	70	S.D.	16.0	
	330	300	270	240	225	210	180	150	75	S.D.	25.0	
	352	320	288	256	240	224	192	160	80	S.D.	25.0	
	374	340	306	272	255	238	204	170	85	S.D.	25.0	
	396	360	324	288	270	252	216	180	90	S.D.	25.0	
	418	380	342	304	285	266	228	190	95	A.T.S.	25.0	
	440	400	360	320	300	280	240	200	100	A.T.S.	25.0	

Best Working Zone

**UL  
8-SK**

Borewell Size	200 mm
Pump O.D.	188 mm
Motor O.D.	185 mm



## UL - 8 SK TYPE

Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
464	10.0	7.5	SK-30/03	-	
465	12.5	9.3	SK-30/04	-	
466	15.0	11.0	SK-30/05	ISI	
467	20.0	15.0	SK-30/06	ISI	

468	20.0	15.0	SK-30/07	ISI	
469	25.0	18.5	SK-30/08	ISI	
470	30.0	22.0	SK-30/09	-	
471	30.0	22.0	SK-30/10	ISI	
472	36.0	26.0	SK-30/11	-	

473	36.0	26.0	SK-30/12	ISI	
474	40.0	30.0	SK-30/13	-	
475	42.0	31.0	SK-30/14	ISI	
476	45.0	33.5	SK-30/15	ISI	

477	50.0	37.5	SK-30/16	ISI	
478	50.0	37.5	SK-30/17	-	
479	55.0	41.0	SK-30/18	ISI	
480	60.0	45.0	SK-30/19	-	
481	60.0	45.0	SK-30/20	ISI	



Mix Flow Cross Section



TOTAL HEAD IN METERS	Discharge										Method Of Starting	Recommended Cable in Sq. mm
	M <sup>3</sup> /H	6.3	18.2	26.5	32.1	36.2	38.1	40.0	43.1	55.4		
	LPM	105	304	441	535	603	635	666	719	924		
		72	66	60	54	48	45	42	36	15	S.D.	2.5
		96	88	80	72	64	60	56	48	20	S.D.	4.0
		120	110	100	90	80	75	70	60	25	S.D.	4.0
		144	132	120	108	96	90	84	72	30	S.D.	6.0
		168	154	140	126	112	105	98	84	35	S.D.	6.0
		192	176	160	144	128	120	112	96	40	S.D.	10.0
		216	198	180	162	144	135	126	108	45	S.D.	16.0
		240	220	200	180	160	150	140	120	50	S.D.	16.0
		264	242	220	198	176	165	154	132	55	S.D.	16.0
		288	264	240	216	192	180	168	144	60	S.D.	16.0
		312	286	260	234	208	195	182	156	65	S.D.	25.0
		336	308	280	252	224	210	196	168	70	S.D.	25.0
		360	330	300	270	240	225	210	180	75	S.D.	25.0
		384	352	320	288	256	240	224	192	80	A.T.S.	25.0
		408	374	340	306	272	255	238	204	85	A.T.S.	25.0
		432	396	360	324	288	270	252	216	90	A.T.S.	25.0
		456	418	380	342	304	285	266	228	95	A.T.S.	35.0
		480	440	400	360	320	300	280	240	100	A.T.S.	35.0

Best Working Zone

**UL  
8-SK**

Borewell Size	200 mm
Pump O.D.	188 mm
Motor O.D.	185 mm



## UL - 8 SK TYPE



Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
482	12.5	9.3	SK-40/03	-	
483	15.0	11.0	SK-40/04	ISI	
484	20.0	15.0	SK-40/05	ISI	
485	25.0	18.5	SK-40/06	ISI	

486	30.0	22.0	SK-40/07	ISI	
487	36.0	26.0	SK-40/08	ISI	
488	36.0	26.0	SK-40/09	ISI	
489	40.0	30.0	SK-40/10	ISI	

490	45.0	33.5	SK-40/11	ISI	
491	50.0	37.5	SK-40/12	ISI	
492	50.0	37.5	SK-40/13	-	
493	55.0	41.0	SK-40/14	ISI	
494	60.0	45.0	SK-40/15	ISI	

Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
495	10.0	9.3	SK-50/02	-	
496	15.0	11.0	SK-50/03	-	
497	20.0	15.0	SK-50/04	ISI	
498	25.0	18.5	SK-50/05	ISI	

499	30.0	22.0	SK-50/06	ISI	
500	36.0	26.0	SK-50/07	ISI	
501	40.0	30.0	SK-50/08	ISI	
502	45.0	33.5	SK-50/09	ISI	

503	50.0	37.5	SK-50/10	ISI	
504	55.0	41.0	SK-50/11	-	
505	60.0	45.0	SK-50/12	ISI	

TOTAL HEAD IN METERS	Discharge										Method Of Starting	Recommended Cable in Sq. mm
	M <sup>3</sup> /H	12.3	24.5	32.4	38.1	42.2	44.1	46.3	49.7	61.7		
	LPM	205	409	540	635	703	735	771	829	1029		
72	66	60	54	48	45	42	36	15	S.D.	4.0		
96	88	80	72	64	60	56	48	20	S.D.	4.0		
120	110	100	90	80	75	70	60	25	S.D.	6.0		
144	132	120	108	96	90	84	72	30	S.D.	10.0		
168	154	140	126	112	105	98	84	35	S.D.	16.0		
192	176	160	144	128	120	112	96	40	S.D.	16.0		
216	198	180	162	144	135	126	108	45	S.D.	16.0		
240	220	200	180	160	150	140	120	50	S.D.	25.0		
264	242	220	198	176	165	154	132	55	S.D.	25.0		
288	264	240	216	192	180	168	144	60	A.T.S.	25.0		
312	286	260	234	208	195	182	156	65	A.T.S.	25.0		
336	308	280	252	224	210	196	168	70	A.T.S.	25.0		
360	330	300	270	240	225	210	180	75	A.T.S.	35.0		

TOTAL HEAD IN METERS	Discharge										Method Of Starting	Recommended Cable in Sq. mm
	M <sup>3</sup> /H	18.9	31.5	39.1	44.7	48.5	50.4	52.9	56.7	69.3		
	LPM	315	525	651	745	808	840	882	945	1155		
48	44	40	36	32	30	28	24	10	S.D.	2.5		
72	66	60	54	48	45	42	36	15	S.D.	4.0		
96	88	80	72	64	60	56	48	20	S.D.	6.0		
120	110	100	90	80	75	70	60	25	S.D.	10.0		
144	132	120	108	96	90	84	72	30	S.D.	16.0		
192	176	160	144	128	120	112	96	40	S.D.	16.0		
216	198	180	162	144	135	126	108	45	S.D.	25.0		
240	220	200	180	160	150	140	120	50	S.D.	25.0		
240	220	200	180	160	150	140	120	50	A.T.S.	25.0		
264	242	220	198	176	165	154	132	55	A.T.S.	25.0		
288	264	240	216	192	180	168	144	60	A.T.S.	35.0		

Best Working Zone

**UL  
8  
SB**

Borewell Size	200 mm
Pump O.D.	192 mm
Motor O.D.	181 mm



## UL - 8 SB TYPE



Mix Flow Cross Section



Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
506	10.0	7.5	SB-30A/03	ISI	
507	12.5	9.3	SB-30A/04	ISI	
508	15.0	11.0	SB-30A/05	ISI	
509	20.0	15.0	SB-30A/06	ISI	

510	20.0	15.0	SB-30A/07	ISI	
511	25.0	18.5	SB-30A/08	ISI	
512	30.0	22.0	SB-30A/09	ISI	
513	30.0	22.0	SB-30A/10	-	

514	36.0	26.0	SB-30A/12	-	
515	40.0	30.0	SB-30A/13	-	
516	45.0	33.5	SB-30A/14	-	
517	45.0	33.5	SB-30A/15	-	

Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
518	7.5	5.5	SB-40/02	-	
519	12.5	9.3	SB-40/03	ISI	
520	15.0	11.0	SB-40/04	-	
521	20.0	15.0	SB-40/04	ISI	

522	20.0	15.0	SB-40/05	ISI	
523	25.0	18.5	SB-40/06	ISI	
524	30.0	22.0	SB-40/07	ISI	
525	36.0	26.0	SB-40/08	-	

526	36.0	26.0	SB-40/09	ISI	
527	40.0	30.0	SB-40/10	-	
528	45.0	33.5	SB-40/11	-	

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	0.0	9.3	27.0	44.1	56.7	65.4			78.6
	LPM	0	155	450	735	945	1090			1310
60		54	48	42	36	30	24	S.D.	2.5	
80		72	64	56	48	40	32	S.D.	4.0	
100		90	80	70	60	50	40	S.D.	4.0	
120		108	96	84	72	60	48	S.D.	6.0	
140		126	112	98	84	70	56	S.D.	6.0	
160		144	128	112	96	80	64	S.D.	6.0	
180		162	144	126	108	90	72	S.D.	10.0	
200		180	160	140	120	100	80	S.D.	10.0	
240		216	192	168	144	120	96	S.D.	16.0	
260		234	208	182	156	130	104	S.D.	25.0	
280		252	224	196	168	140	112	S.D.	25.0	
300		270	240	210	180	150	120	S.D.	25.0	

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	0.0	21.9	40.8	55.5	65.4	75.0			88.2
	LPM	0	365	680	925	1090	1250			1470
40		36	32	28	24	20	16	S.D.	2.5	
60		54	48	42	36	30	24	S.D.	4.0	
80		72	64	56	48	40	32	S.D.	4.0	
80		72	64	56	48	40	32	S.D.	4.0	
100		90	80	70	60	50	40	S.D.	6.0	
120		108	96	84	72	60	48	S.D.	6.0	
140		126	112	98	84	70	56	S.D.	10.0	
160		144	128	112	96	80	64	S.D.	16.0	
180		162	144	126	108	90	72	S.D.	16.0	
200		180	160	140	120	100	80	S.D.	25.0	
220		198	176	154	132	110	88	S.D.	25.0	

Best Working Zone



**UL  
8  
SB**

Borewell Size	200 mm
Pump O.D.	192 mm
Motor O.D.	181 mm



## UL - 8 SB TYPE



Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
529	50.0	37.5	SB-40/12	-	
530	55.0	41.0	SB-40/13	-	
531	55.0	41.0	SB-40/14	-	
532	60.0	45.0	SB-40/15	-	

Outlet Size 75mm (3")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
533	10.0	7.5	SB-50/02	ISI	
534	15.0	11.0	SB-50/03	ISI	
535	20.0	15.0	SB-50/04	ISI	
536	25.0	18.5	SB-50/05	ISI	

537	30.0	22.0	SB-50/06	ISI	
538	36.0	26.0	SB-50/07	ISI	
539	40.0	30.0	SB-50/08	-	
540	45.0	33.5	SB-50/09	-	

541	50.0	37.5	SB-50/10	-	
542	55.0	41.0	SB-50/11	-	
543	60.0	45.0	SB-50/12	-	
544	75.0	55.0	SB-50/14	-	

Outlet Size 100mm (4")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
545	12.5	9.3	SB-60/02	ISI	
546	20.0	15.0	SB-60/03	ISI	
547	25.0	18.5	SB-60/04	ISI	
548	30.0	22.0	SB-60/05	ISI	

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	0.0	21.9	40.8	55.5	65.4	75.0			88.2
	LPM	0	365	680	925	1090	1250			1470
240	240	216	192	168	144	120	96	A.T.S.	35.0	
260	260	234	208	182	156	130	104	A.T.S.	35.0	
280	280	252	224	196	168	140	112	A.T.S.	35.0	
300	300	270	240	210	180	150	120	A.T.S.	35.0	

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	0.0	31.5	57.3	71.1	83.1	95.7			107.1
	LPM	0	525	955	1185	1385	1595			1785
	40	40	36	32	28	24	20	16	S.D.	2.5
	60	60	54	48	42	36	30	24	S.D.	4.0
	80	80	72	64	56	48	40	32	S.D.	6.0
	100	100	90	80	70	60	50	40	S.D.	6.0
	120	120	108	96	84	72	60	48	S.D.	10.0
	140	140	126	112	98	84	70	56	S.D.	16.0
	160	160	144	128	112	96	80	64	S.D.	25.0
	180	180	162	144	126	108	90	72	S.D.	25.0
	200	200	180	160	140	120	100	80	A.T.S.	35.0
	220	220	198	176	154	132	110	88	A.T.S.	35.0
240	240	216	192	168	144	120	96	A.T.S.	35.0	
280	280	252	224	196	168	140	112	A.T.S.	35.0	

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	17.7	56.7	76.8	85.5	95.7	105.9			116.4
	LPM	295	945	1280	1425	1595	1765			1940
42	42	36	32	28	24	20	16	S.D.	4.0	
63	63	54	48	42	36	30	24	S.D.	4.0	
84	84	72	64	56	48	40	32	S.D.	6.0	
105	105	90	80	70	60	50	40	S.D.	10.0	

Best Working Zone

Borewell Size	200 mm
Pump O.D.	192 mm
Motor O.D.	181 mm

## UL - 8 SB TYPE



Mix Flow Cross Section



Outlet Size 100mm (4")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
549	36.0	26.0	SB-60/06	ISI	
550	42.0	31.0	SB-60/07	-	
551	50.0	37.5	SB-60/08	-	
552	55.0	41.0	SB-60/09	-	

553	60.0	45.0	SB-60/10	-	
554	75.0	55.0	SB-60/12	-	
555	75.0	55.0	SB-60/13	-	
556	85.0	63.0	SB-60/14	-	
557	100.0	75.0	SB-60/16	-	

Outlet Size 100mm (4")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
558	7.5	5.5	SB-70/01	-	
559	15.0	11.0	SB-70/02	ISI	
560	20.0	15.0	SB-70/03	ISI	
561	30.0	22.0	SB-70/04	ISI	

562	36.0	26.0	SB-70/05	ISI	
563	42.0	31.0	SB-70/06	-	
564	50.0	37.5	SB-70/07	-	
565	60.0	45.0	SB-70/08	-	
566	75.0	55.0	SB-70/10	-	
567	85.0	63.0	SB-70/12	-	
568	85.0	63.0	SB-70/13	-	
569	100.0	75.0	SB-70/14	-	

Discharge								Method Of Starting	Recommended Cable in Sq. mm
M <sup>3</sup> /H	17.7	56.7	76.8	85.5	95.7	105.9	116.4		
LPM	295	945	1280	1425	1595	1765	1940		
TOTAL HEAD IN METERS	126	108	96	84	72	60	48	S.D.	16.0
	147	126	112	98	84	70	56	S.D.	25.0
	168	144	128	112	96	80	64	A.T.S.	35.0
	189	162	144	126	108	90	72	A.T.S.	35.0
	210	180	160	140	120	100	80	A.T.S.	35.0
	252	216	192	168	144	120	96	A.T.S.	35.0
	273	234	208	182	156	130	104	A.T.S.	35.0
	294	252	224	196	168	140	112	A.T.S.	35.0
	336	288	256	224	192	160	128	A.T.S.	35.0

Discharge								Method Of Starting	Recommended Cable in Sq. mm
M <sup>3</sup> /H	22.5	66.0	80.7	94.5	110.7	122.1	129.6		
LPM	375	1100	1345	1575	1845	2035	2160		
TOTAL HEAD IN METERS	22	20	18	16	12	9	3	S.D.	2.5
	44	40	36	32	24	18	6	S.D.	4.0
	66	60	54	48	36	27	9	S.D.	6.0
	88	80	72	64	48	36	12	S.D.	10.0
	110	100	90	80	60	45	15	S.D.	16.0
	132	120	108	96	72	54	18	S.D.	25.0
	154	140	126	112	84	63	21	A.T.S.	35.0
	176	160	144	128	96	72	24	A.T.S.	35.0
	220	200	180	160	120	90	30	A.T.S.	35.0
	264	240	216	192	144	108	36	A.T.S.	35.0
286	260	234	208	156	117	39	A.T.S.	35.0	
308	280	252	224	168	126	42	A.T.S.	35.0	

**UL  
8  
SB**

Borewell Size	200 mm
Pump O.D.	192 mm
Motor O.D.	181 mm



## UL - 8 SB TYPE



Outlet Size 125mm (5")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
570	7.5	5.5	SB-80/01	-	
571	15.0	11.0	SB-80/02	-	
572	25.0	18.5	SB-80/03	ISI	
573	36.0	26.0	SB-80/04	ISI	

574	42.0	31.0	SB-80/05	-	
575	50.0	37.5	SB-80/06	-	
576	60.0	45.0	SB-80/07	-	
577	85.0	63.0	SB-80/10	-	

Outlet Size 125mm (5")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
578	10.0	7.5	SB-90/01	-	
579	20.0	15.0	SB-90/02	ISI	
580	30.0	22.0	SB-90/03	ISI	

581	36.0	26.0	SB-90/04	ISI	
582	45.0	33.5	SB-90/05	-	
583	55.0	41.0	SB-90/06	-	

Outlet Size 125/150mm (5"/6")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
584	10.0	7.5	SB-100/01	-	
585	20.0	15.0	SB-100/02	ISI	
586	30.0	22.0	SB-100/03	-	

587	40.0	30.0	SB-100/04	-	
588	50.0	37.5	SB-100/05	-	
589	60.0	45.0	SB-100/06	-	
590	75.0	55.0	SB-100/07	-	
591	85.0	63.0	SB-100/08	-	
592	100.0	75.0	SB-100/10	-	

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	31.5	72.3	87.0	103.8	117.9	132.3			141.6
	LPM	525	1205	1450	1730	1965	2205			2360
22	20	18	16	12	9	3	S.D.	2.5		
44	40	36	32	24	18	6	S.D.	4.0		
66	60	54	48	36	27	9	S.D.	6.0		
88	80	72	64	48	36	12	S.D.	16.0		
110	100	90	80	60	45	15	S.D.	25.0		
132	120	108	96	72	54	18	A.T.S	35.0		
154	140	126	112	84	63	21	A.T.S	35.0		
220	200	180	160	120	90	33	A.T.S	35.0		

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	42.6	79.2	97.5	114.6	138.6	149.4			154.2
	LPM	710	1320	1625	1910	2310	2490			2570
23	20	18	16	12	9	3	S.D.	2.5		
46	40	36	32	24	18	6	S.D.	6.0		
69	60	54	48	36	27	9	S.D.	10.0		
92	80	72	64	48	36	12	S.D.	16.0		
115	100	90	80	60	45	15	S.D.	25.0		
138	120	108	96	72	54	18	A.T.S	35.0		

TOTAL HEAD IN METERS	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	53.4	84.9	107.7	126.0	151.2	166.8			173.1
	LPM	890	1415	1795	2100	2520	2780			2885
23	20	18	16	12	9	3	S.D.	2.5		
46	40	36	32	24	18	6	S.D.	6.0		
69	60	54	48	36	27	9	S.D.	10.0		
92	80	72	64	48	36	12	S.D.	25.0		
115	100	90	80	60	45	15	A.T.S.	35.0		
138	120	108	96	72	54	18	A.T.S.	35.0		
161	140	126	112	84	63	21	A.T.S.	35.0		
184	160	144	128	96	72	24	A.T.S.	35.0		
230	200	180	160	120	90	30	A.T.S.	35.0		

Best Working Zone

LP 54 Effective from Feb' 2022

**UL  
8  
SB**

Borewell Size	200 mm
Pump O.D.	192 mm
Motor O.D.	181 mm



## UL - 8 SB TYPE



Mix  
Flow  
Cross  
Section



Outlet Size 150mm (6")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
593	12.5	9.3	SB-120/01	-	
594	25.0	18.5	SB-120/02	ISI	
595	36.0	26.0	SB-120/03	-	
596	50.0	37.5	SB-120/04	-	
597	60.0	45.0	SB-120/05	-	

Outlet Size 150mm (6")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
598	15.0	11.0	SB-150/01	-	
599	30.0	22.0	SB-150/02	-	
600	45.0	33.5	SB-150/03	-	
601	60.0	45.0	SB-150/04	-	

Outlet Size 150mm (6")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
602	20.0	15.0	SB-200/01	ISI	
603	40.0	30.0	SB-200/02	-	
604	60.0	45.0	SB-200/03	-	

Discharge								Method Of Starting	Recommended Cable in Sq. mm
M <sup>3</sup> /H	66.0	100.8	126.0	151.2	170.1	182.7	195.3		
LPM	1100	1680	2100	2520	2835	3045	3255		
TOTAL HEAD IN METERS	23	20	18	16	12	9	3	S.D.	4.0
	46	40	36	32	24	18	6	S.D.	6.0
	69	60	54	48	36	27	9	S.D.	16.0
	92	80	72	64	48	36	12	A.T.S.	35.0
	115	100	90	80	60	45	15	A.T.S.	35.0

Discharge								Method Of Starting	Recommended Cable in Sq. mm
M <sup>3</sup> /H	79.2	119.7	144.9	170.1	185.7	198.3	210.9		
LPM	1320	1995	2415	2835	3095	3305	3515		
TOTAL HEAD IN METERS	23	20	18	16	12	9	3	S.D.	4.0
	46	40	36	32	24	18	6	S.D.	10.0
	69	60	54	48	36	27	9	S.D.	35.0
	92	80	72	64	48	36	12	A.T.S.	35.0

Discharge								Method Of Starting	Recommended Cable in Sq. mm
M <sup>3</sup> /H	94.5	138.6	163.8	189.0	210.9	223.5	236.1		
LPM	1575	2310	2730	3150	3515	3725	3935		
TOTAL HEAD IN METERS	24	20	18	16	12	9	3	S.D.	6.0
	48	40	36	32	24	18	6	S.D.	25.0
	72	60	54	48	36	27	9	A.T.S.	35.0

Best Working Zone

**UL  
9/8  
SB**

Borewell Size	250 mm
Pump O.D.	217 mm
Motor O.D.	217 mm



## UL - 9/8 SB TYPE



Outlet Size 100mm (4")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
605	75.0	55.0	SB-60/11	-	
606	75.0	55.0	SB-60/12	-	
607	85.0	63.0	SB-60/13	-	
608	85.0	63.0	SB-60/14	-	

Outlet Size 100mm (4")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
609	75.0	55.0	SB-70/10	-	
610	85.0	63.0	SB-70/12	-	
611	100.0	75.0	SB-70/13	-	
612	100.0	75.0	SB-70/14	-	

Outlet Size 125mm (5")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
613	75.0	55.0	SB-80/09	-	
614	85.0	63.0	SB-80/10	-	
615	85.0	63.0	SB-80/11	-	
616	100.0	75.0	SB-80/12	-	

Outlet Size 125mm (5")					
Sr. No.	H.P.	Kw.	Pump Type/ Stage	ISI Mark	Star Rating
617	75.0	55.0	SB-90/08	-	
618	85.0	63.0	SB-90/09	-	
619	100.0	75.0	SB-90/10	-	
620	100.0	75.0	SB-90/11	-	

	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	17.7	56.7	76.8	85.5	95.7	105.9			116.4
	LPM	295	945	1280	1425	1595	1765	1940		
TOTAL HEAD IN METERS		220	198	176	154	132	110	88	A.T.S.	25
		252	216	192	168	144	120	96	A.T.S.	25
		273	234	208	182	156	130	104	A.T.S.	35
		294	252	224	196	168	140	112	A.T.S.	35

	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	22.5	66.0	80.7	94.5	110.7	122.1			129.6
	LPM	375	1100	1345	1575	1845	2035	2160		
TOTAL HEAD IN METERS		220	200	180	160	120	90	30	A.T.S.	25
		264	240	216	192	144	108	36	A.T.S.	35
		286	260	234	208	156	117	39	A.T.S.	50
		308	280	252	224	168	126	42	A.T.S.	50

	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	31.5	72.3	87.0	103.8	117.9	132.3			141.6
	LPM	525	1205	1450	1730	1965	2205	2360		
TOTAL HEAD IN METERS		198	180	162	144	108	81	27	A.T.S.	25
		220	200	180	160	120	90	30	A.T.S.	35
		242	220	198	176	132	99	33	A.T.S.	35
		264	240	216	192	144	108	36	A.T.S.	50

	Discharge							Method Of Starting	Recommended Cable in Sq. mm	
	M <sup>3</sup> /H	42.6	79.2	97.5	114.6	138.6	149.4			154.2
	LPM	710	1320	1625	1910	2310	2490	2570		
TOTAL HEAD IN METERS		184	160	144	128	96	72	24	A.T.S.	25
		207	180	162	144	108	81	27	A.T.S.	35
		230	200	180	160	120	90	30	A.T.S.	50
		253	220	198	176	132	99	33	A.T.S.	50

Best Working Zone