

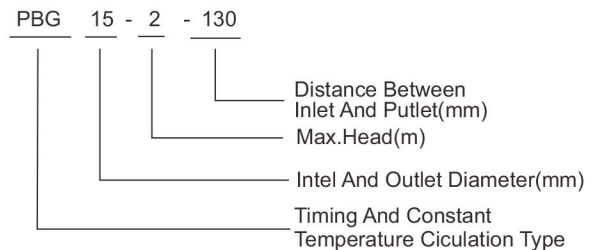


Application Limits

- Liquid temperature: +2°C~110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 220V/50Hz、380V/50Hz
- Insulation class: F
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- pH: 6.5 to 8.5

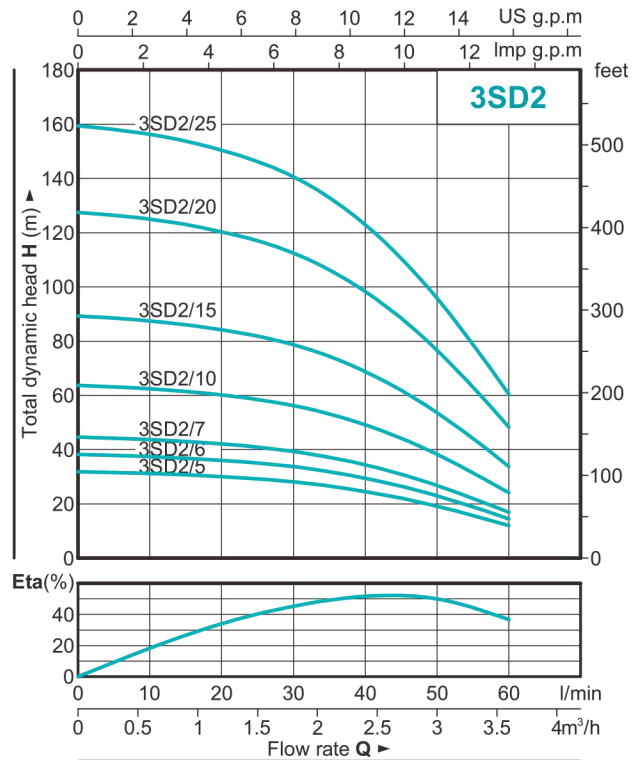
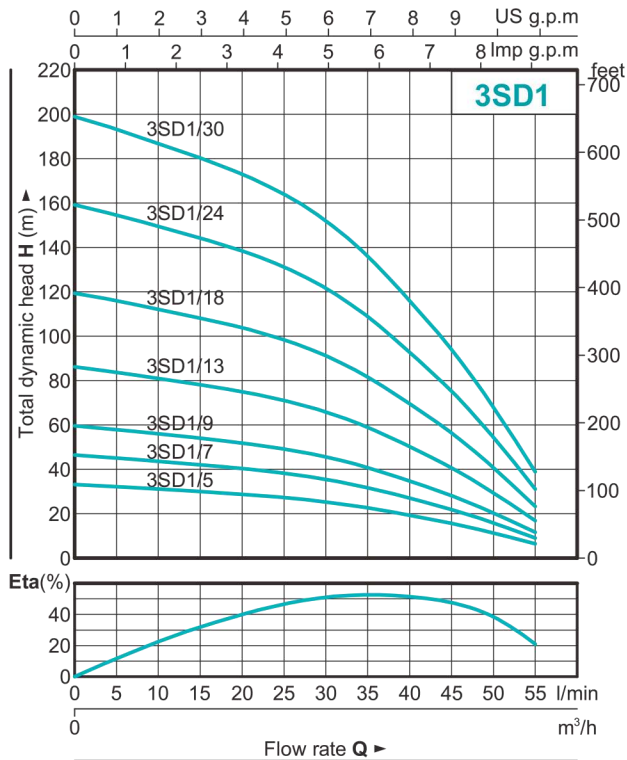
Applications Fields

- For HVAC systems such as air energy hot water circulation system, solar hot water circulation system, boiler heating system, pressurization of domestic tap water, industry hot or cold water circulation system, etc.



PERFORMANCE DATA 50Hz

MODEL	Power(W)	Voltage(V)	Rate Flow(m³/h)	Rate Head(m)	Max.Head(m)	Max.Flow(m³/h)
PBG20-4-130	60	220	1.5	2	4	2.2
PBG25-4-130	60	220	1.5	2.2	4	3
PBG32-4-130	60	220	1.5	2.5	4.5	3.2
PBG25-4-180	60	220	1.5	2.2	4	3
PBG32-4-180	60	220	1.5	2.2	4	3.5
PBG20-6-130	90	220	1.5	4	6	2.2
PBG25-6-130	90	220	1.5	4.2	6	3
PBG32-6-130	90	220	1.5	4.5	6	3.5
PBG25-6-180	90	220	1.5	4.2	6	3
PBG32-6-180	90	220	1.5	4.2	6	3.5
PBG25-8-180	200	220	3.2	5.5	8	7
PBG32-8-180	245	220	3.2	5.5	8	10
PBG15-9-160	100	220	1	6	9	3
PBG20-12-180	245	220	1.25	10	12	3
PBG25-12-180	245	220	1.25	10	12	3.5
PBG20-12-200	280	220	1.25	10	12	4.2



PERFORMANCE DATA 60Hz

Outlet: G1"~G1½"

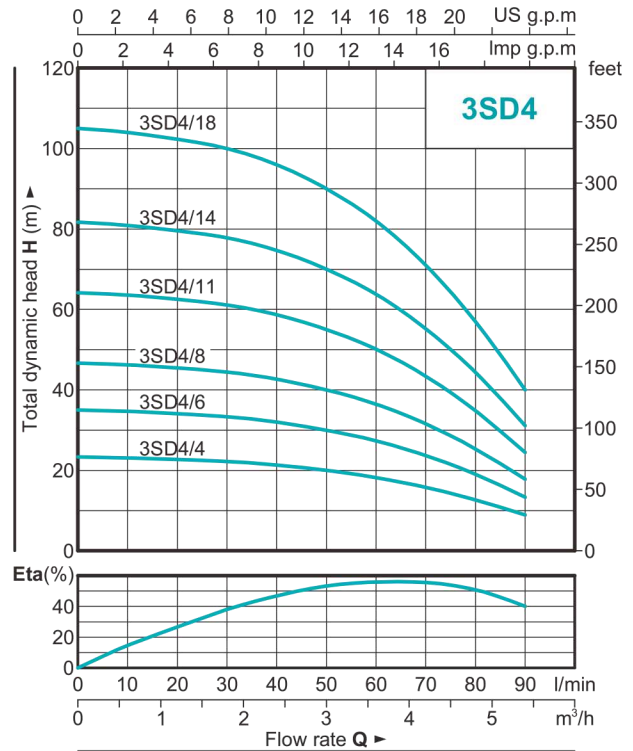
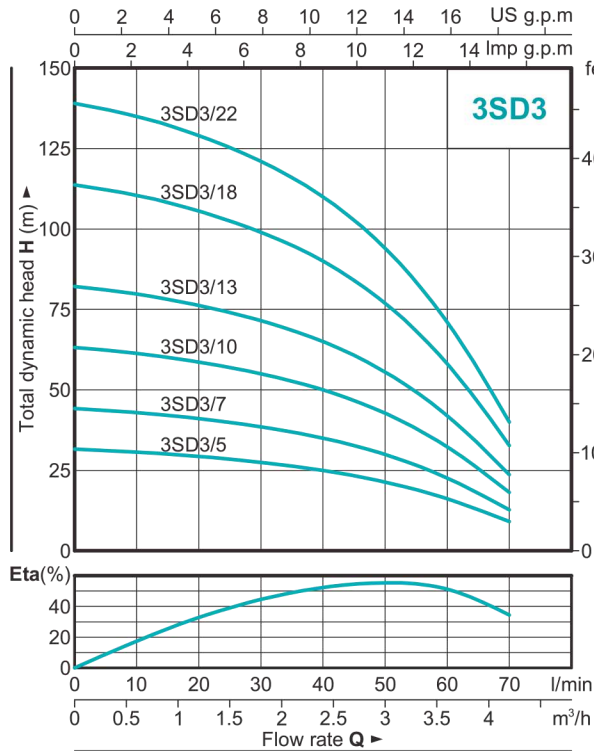
MODEL		P ₂		DELIVERY n≈3450 1/min													
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
					l/min	0	5	10	15	20	25	30	35	40	45	50	55
3SDM1/5	3SD1/5	0.18	0.25	H(m)		33	32	31	30	29	27	25	23	19	16	11	6
3SDM1/7	3SD1/7	0.25	0.33			46	45	44	42	40	38	35	32	27	22	16	9
3SDM1/9	3SD1/9	0.37	0.5			60	58	56	54	52	49	46	41	35	28	20	12
3SDM1/13	3SD1/13	0.55	0.75			86	84	81	78	75	71	66	59	50	41	29	17
3SDM1/18	3SD1/18	0.75	1			119	116	112	108	104	98	91	82	70	56	41	23
3SDM1/24	3SD1/24	1.1	1.5			159	155	149	144	138	131	122	109	93	75	54	31
3SDM1/30	3SD1/30	1.5	2			199	193	187	180	173	164	152	136	116	94	68	39

PERFORMANCE DATA 60Hz

Outlet: G1"~G1½"

MODEL		P ₂		DELIVERY n≈3450 1/min								
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6
						0	10	20	30	40	50	60
3SDM2/5	3SD2/5	0.18	0.25	H(m)		32	31	30	28	25	19	12
3SDM2/6	3SD2/6	0.25	0.33			38	38	36	34	29	23	14
3SDM2/7	3SD2/7	0.37	0.5			45	44	42	39	34	27	17
3SDM2/10	3SD2/10	0.55	0.75			64	63	60	56	49	38	24
3SDM2/15	3SD2/15	0.75	1			96	94	90	84	74	57	36
3SDM2/20	3SD2/20	1.1	1.5			128	125	120	112	98	77	48
3SDM2/25	3SD2/25	1.5	2			159	156	150	141	123	96	60

3SD3/3SD4



PERFORMANCE DATA 60Hz

Outlet: G1"~G1½"

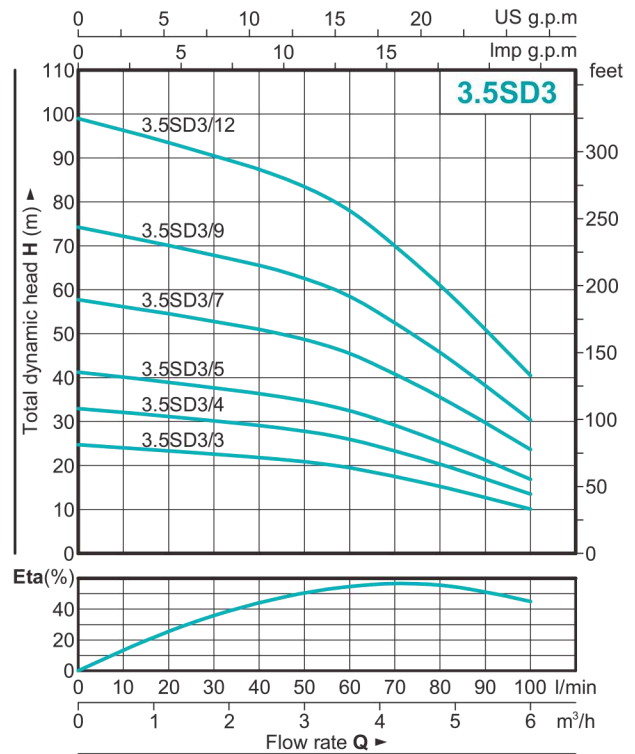
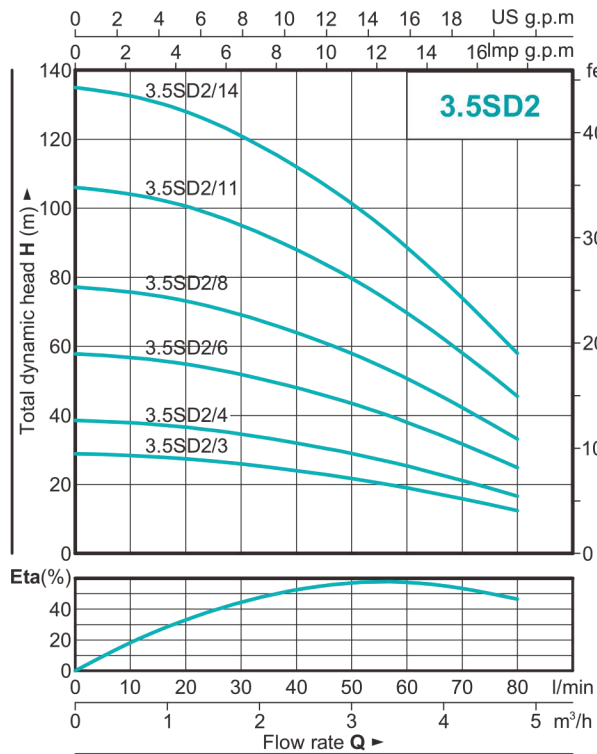
MODEL		P ₂		DELIVERY n≈3450 1/min									
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2
						0	10	20	30	40	50	60	70
3SDM3/5	3SD3/5	0.25	0.33	H(m)		32	31	29	28	25	21	16	9
3SDM3/7	3SD3/7	0.37	0.5			44	43	41	39	35	30	23	13
3SDM3/10	3SD3/10	0.55	0.75			63	61	59	55	50	43	32	18
3SDM3/13	3SD3/13	0.75	1			82	80	76	71	65	56	42	24
3SDM3/18	3SD3/18	1.1	1.5			114	110	106	99	90	77	58	33
3SDM3/22	3SD3/22	1.5	2			139	135	129	121	110	94	71	40

PERFORMANCE DATA 60Hz

Outlet: G1"~G1½"

MODEL		P ₂		DELIVERY n≈3450 1/min											
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
						0	10	20	30	40	50	60	70	80	90
3SDM4/4	3SD4/4	0.25	0.33	H(m)		23	23	23	22	21	20	18	16	13	9
3SDM4/6	3SD4/6	0.37	0.5			35	35	34	33	32	30	27	24	19	13
3SDM4/8	3SD4/8	0.55	0.75			47	46	45	44	43	40	36	32	25	18
3SDM4/11	3SD4/11	0.75	1			64	64	63	61	59	55	50	43	35	24
3SDM4/14	3SD4/14	1.1	1.5			82	81	80	78	75	70	64	55	44	31
3SDM4/18	3SD4/18	1.5	2			105	104	102	100	96	90	82	71	57	40

3.5SD2/3.5SD



PERFORMANCE DATA 60Hz

Outlet: G1"~G1½"

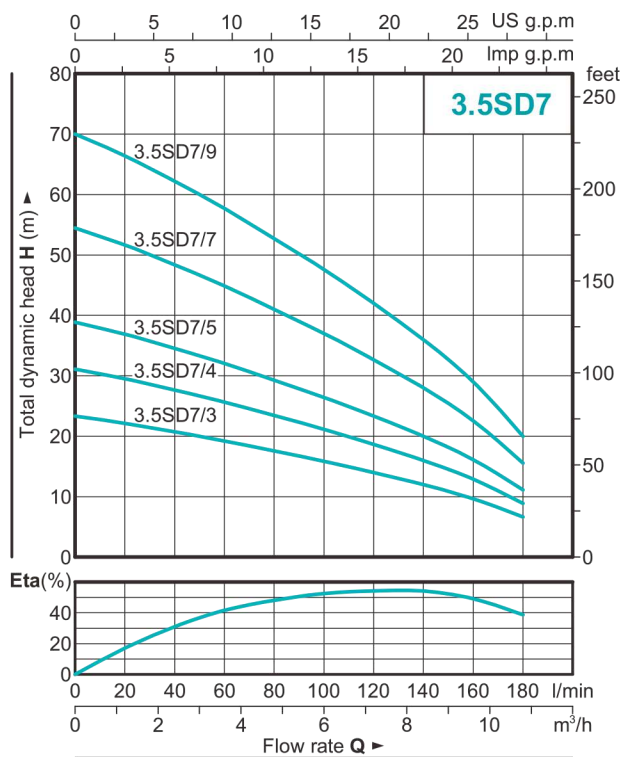
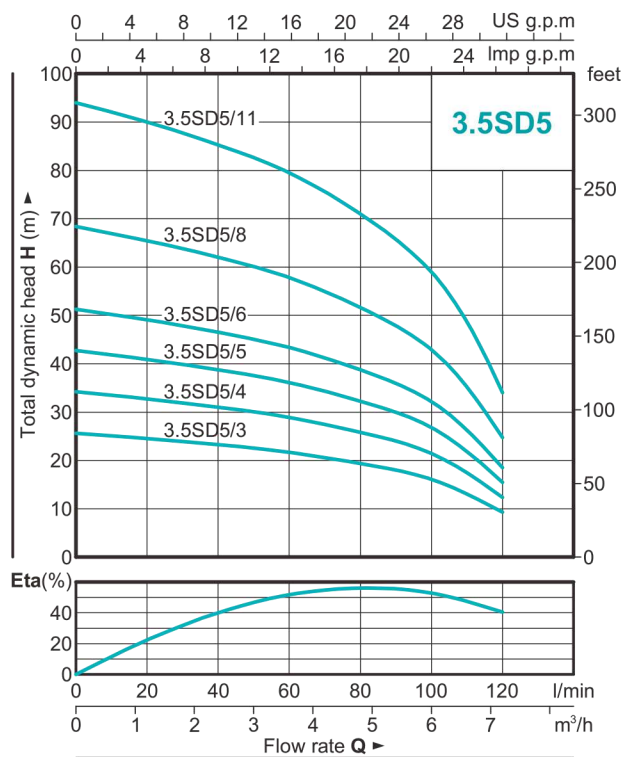
MODEL		P ₂		DELIVERY n≈3450 1/min										
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
						0	10	20	30	40	50	60	70	80
3.5SDM2/3	3.5SD2/3	0.25	0.33	H(m)		29	28	27	26	24	22	19	16	12
3.5SDM2/4	3.5SD2/4	0.37	0.5			39	38	37	35	32	29	25	21	17
3.5SDM2/6	3.5SD2/6	0.55	0.75			58	57	55	52	48	43	38	32	25
3.5SDM2/8	3.5SD2/8	0.75	1			77	76	73	69	64	58	51	42	33
3.5SDM2/11	3.5SD2/11	1.1	1.5			106	104	101	95	88	80	70	58	46
3.5SDM2/14	3.5SD2/14	1.5	2			135	133	128	121	112	101	89	74	58

PERFORMANCE DATA 60Hz

Outlet: G1"~G1½"

MODEL		P ₂		DELIVERY n≈3450 1/min												
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
				H(m)		0	10	20	30	40	50	60	70	80	90	100
3.5SDM3/3	3.5SD3/3	0.25	0.33			25	24	23	23	22	21	20	18	15	13	10
3.5SDM3/4	3.5SD3/4	0.37	0.5			33	32	31	30	29	28	26	23	20	17	14
3.5SDM3/5	3.5SD3/5	0.55	0.75			41	40	39	38	36	35	32	29	25	21	17
3.5SDM3/7	3.5SD3/7	0.75	1			58	56	55	53	51	49	45	41	36	30	24
3.5SDM3/9	3.5SD3/9	1.1	1.5			74	72	70	68	66	63	58	52	46	38	30
3.5SDM3/12	3.5SD3/12	1.5	2			99	96	94	91	87	84	78	70	61	51	41

3.5SD5/3.5SD7



PERFORMANCE DATA 60Hz

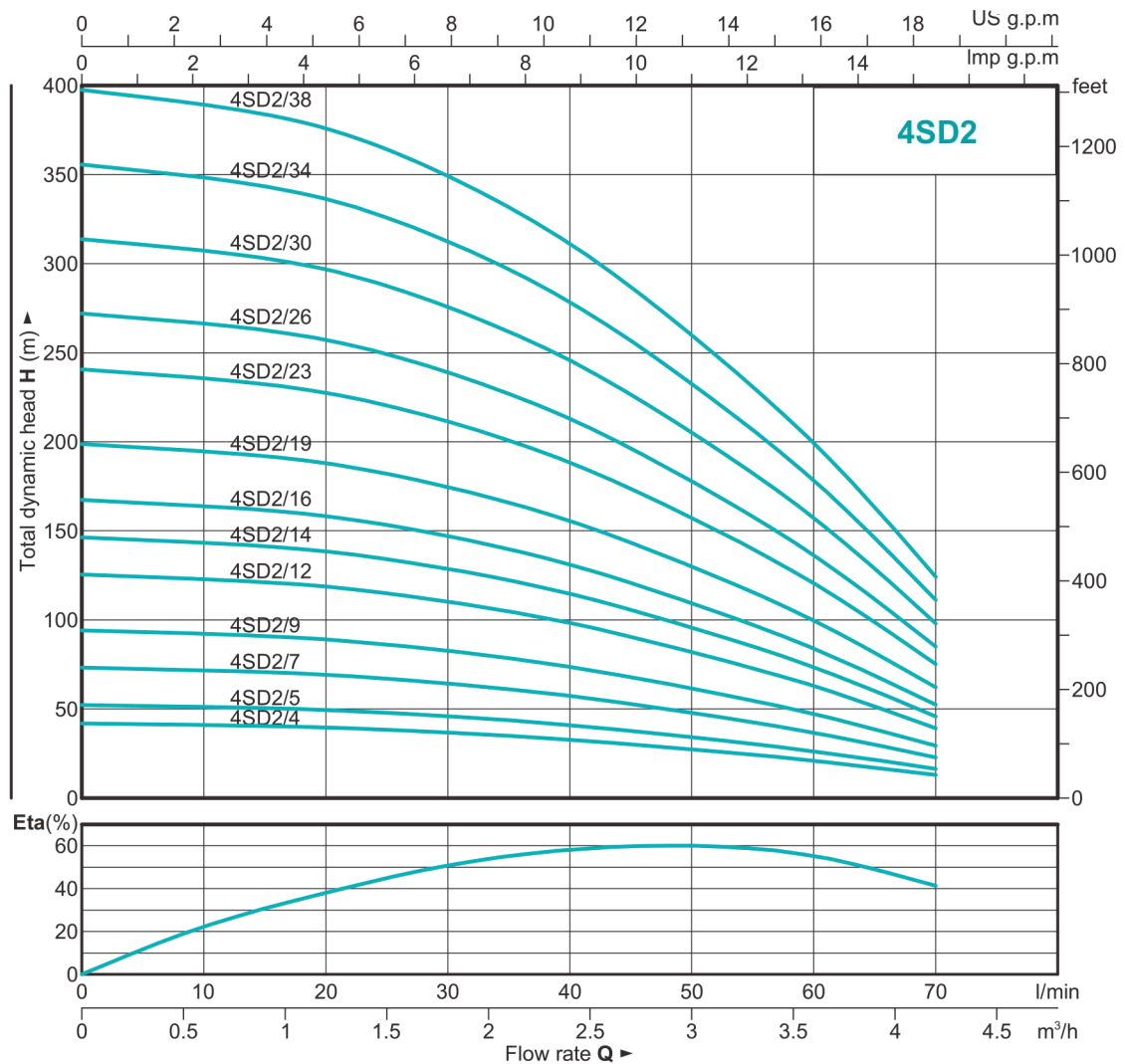
Outlet: G1"~G1½"

MODEL		P ₂		DELIVERY n≈3450 1/min								
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h l/min	0	1.2	2.4	3.6	4.8	6	7.2
						0	20	40	60	80	100	120
3.5SDM5/3	3.5SD5/3	0.25	0.33	H(m)		26	25	23	22	19	16	9
3.5SDM5/4	3.5SD5/4	0.37	0.5			34	33	31	29	26	21	12
3.5SDM5/5	3.5SD5/5	0.55	0.75			43	41	39	36	32	27	15
3.5SDM5/6	3.5SD5/6	0.75	1			51	49	46	43	39	32	19
3.5SDM5/8	3.5SD5/8	1.1	1.5			68	65	62	58	52	43	25
3.5SDM5/11	3.5SD5/11	1.5	2			94	90	85	80	71	59	34

PERFORMANCE DATA 60Hz

Outlet: G1¼"~G1½"

MODEL		P ₂		DELIVERY n≈3450 1/min											
1~ 220V-240V	3~ 380-415V	kW	HP	Q	$\frac{m^3/h}{l/min}$	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
						0	20	40	60	80	100	120	140	160	180
3.5SDM7/3	3.5SD7/3	0.37	0.5	H(m)		23	22	21	19	18	16	14	12	10	7
3.5SDM7/4	3.5SD7/4	0.55	0.75			31	30	28	26	23	21	19	16	13	9
3.5SDM7/5	3.5SD7/5	0.75	1			39	37	35	32	29	26	23	20	16	11
3.5SDM7/7	3.5SD7/7	1.1	1.5			54	52	48	45	41	37	33	28	23	16
3.5SDM7/9	3.5SD7/9	1.5	2			70	66	62	58	53	48	42	36	29	20

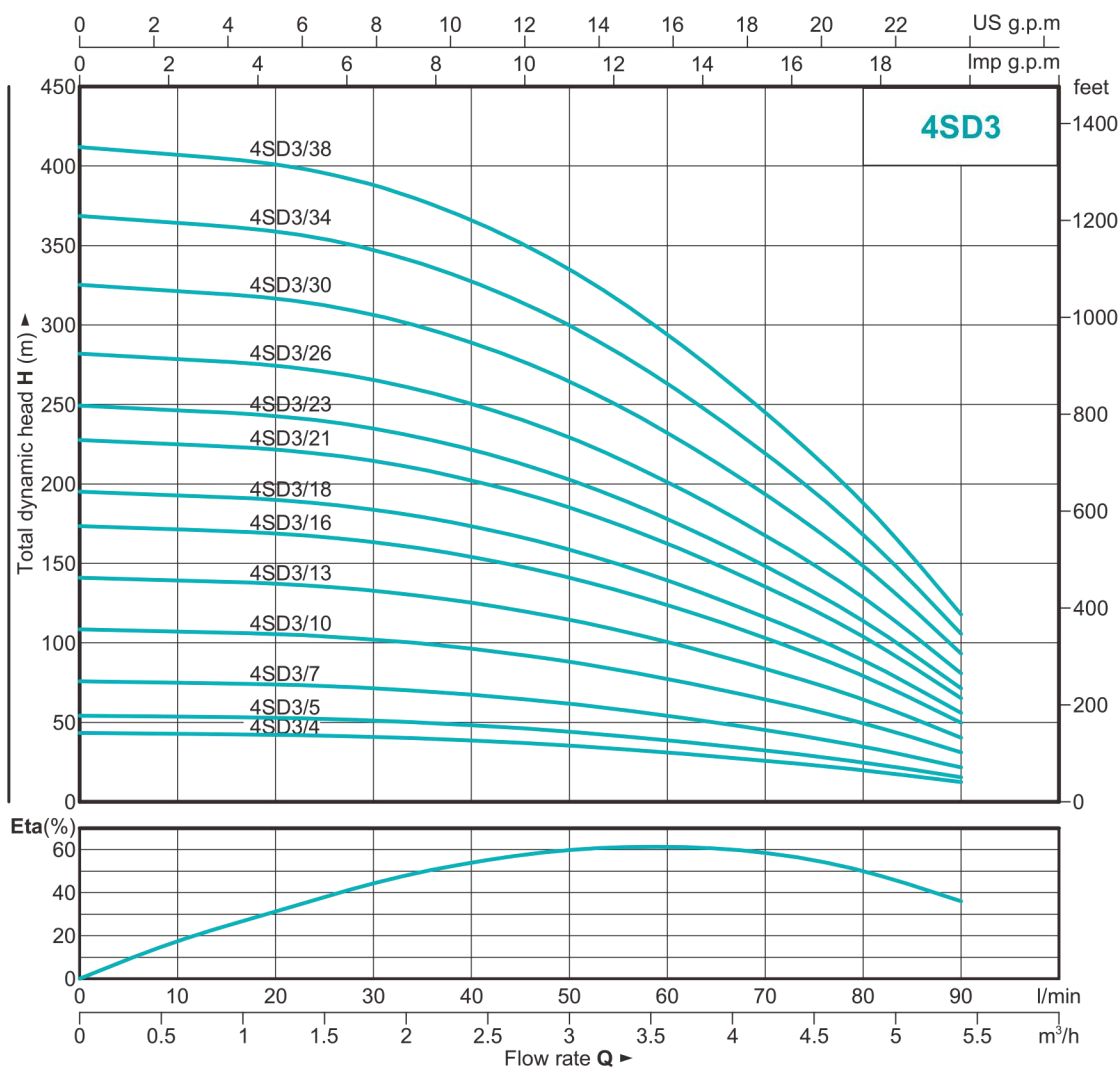


PERFORMANCE DATA 60Hz

Outlet: G1 $\frac{1}{4}$ "~G2"

MODEL		P ₂		DELIVERY n≈3450 1/min									
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2
				H(m)		0	10	20	30	40	50	60	70
4SDM2/4	4SD2/4	0.25	0.33			42	41	40	37	32	26	18	9
4SDM2/5	4SD2/5	0.37	0.5			52	51	49	46	40	32	22	12
4SDM2/7	4SD2/7	0.55	0.75			73	72	69	64	56	45	31	16
4SDM2/9	4SD2/9	0.75	1			94	92	89	83	72	58	40	21
4SDM2/12	4SD2/12	1.1	1.5			126	123	119	110	97	78	54	28
4SDM2/14	4SD2/14	1.3	1.75			146	143	138	129	113	90	63	33
4SDM2/16	4SD2/16	1.5	2			167	164	158	147	129	103	72	38
4SDM2/19	4SD2/19	1.8	2.5			199	195	188	175	153	123	85	45
4SDM2/23	4SD2/23	2.2	3			241	236	228	211	185	149	103	54
4SDM2/26	4SD2/26	2.6	3.5			272	266	257	239	209	168	117	61
—	4SD2/30	3	4			314	307	297	276	242	194	135	71
—	4SD2/34	3.7	5			356	348	336	312	274	220	153	80
—	4SD2/38	4	5.5		397	389	376	349	306	245	170	89	

4SD3

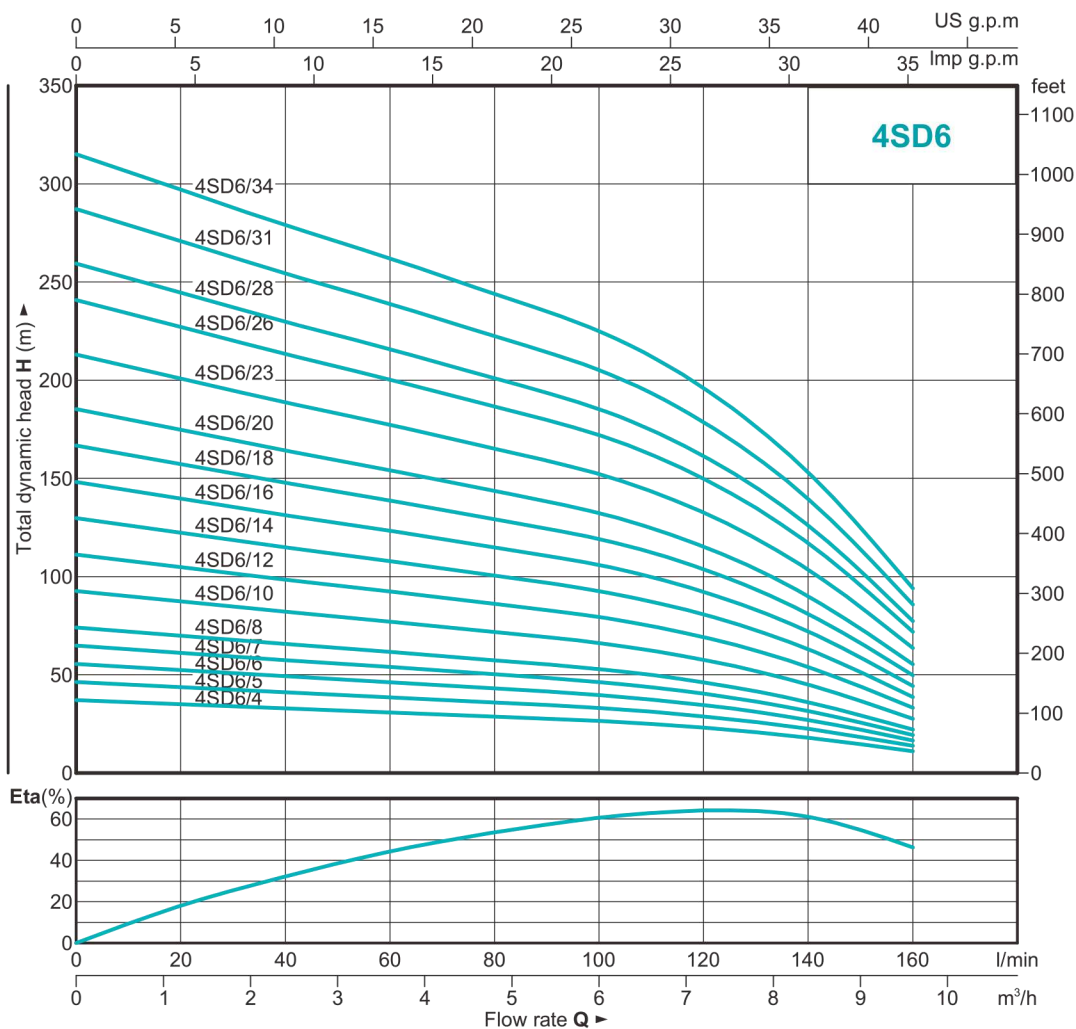


PERFORMANCE DATA 60Hz

Outlet: $\text{G}1\frac{1}{4}" \sim \text{G}2"$

MODEL		P_2		DELIVERY $n \approx 3450 \text{ 1/min}$											
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m^3/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
					l/min	0	10	20	30	40	50	60	70	80	90
4SDM3/4	4SD3/4	0.37	0.5	H(m)		43	43	42	41	39	35	31	26	20	12
4SDM3/5	4SD3/5	0.55	0.75			54	54	53	51	48	44	39	32	25	16
4SDM3/7	4SD3/7	0.75	1			76	75	74	71	67	62	54	45	35	22
4SDM3/10	4SD3/10	1.1	1.5			108	107	106	102	96	88	77	64	49	31
4SDM3/13	4SD3/13	1.5	2			141	139	137	133	125	115	101	84	64	40
4SDM3/16	4SD3/16	1.8	2.5			173	171	169	163	154	141	124	103	79	50
4SDM3/18	4SD3/18	2.2	3			195	193	190	184	173	159	139	116	89	56
4SDM3/21	4SD3/21	2.6	3.5			228	225	222	214	202	185	162	135	104	65
—	4SD3/23	3	4			249	246	243	235	222	203	178	148	114	71
—	4SD3/26	3.7	5			282	278	274	265	250	229	201	168	129	81
—	4SD3/30	4	5.5			325	321	317	306	289	264	232	193	148	93
—	4SD3/34	5	7			369	364	359	347	327	300	263	219	168	106
—	4SD3/38	5.5	7.5			412	407	401	388	366	335	294	245	188	118

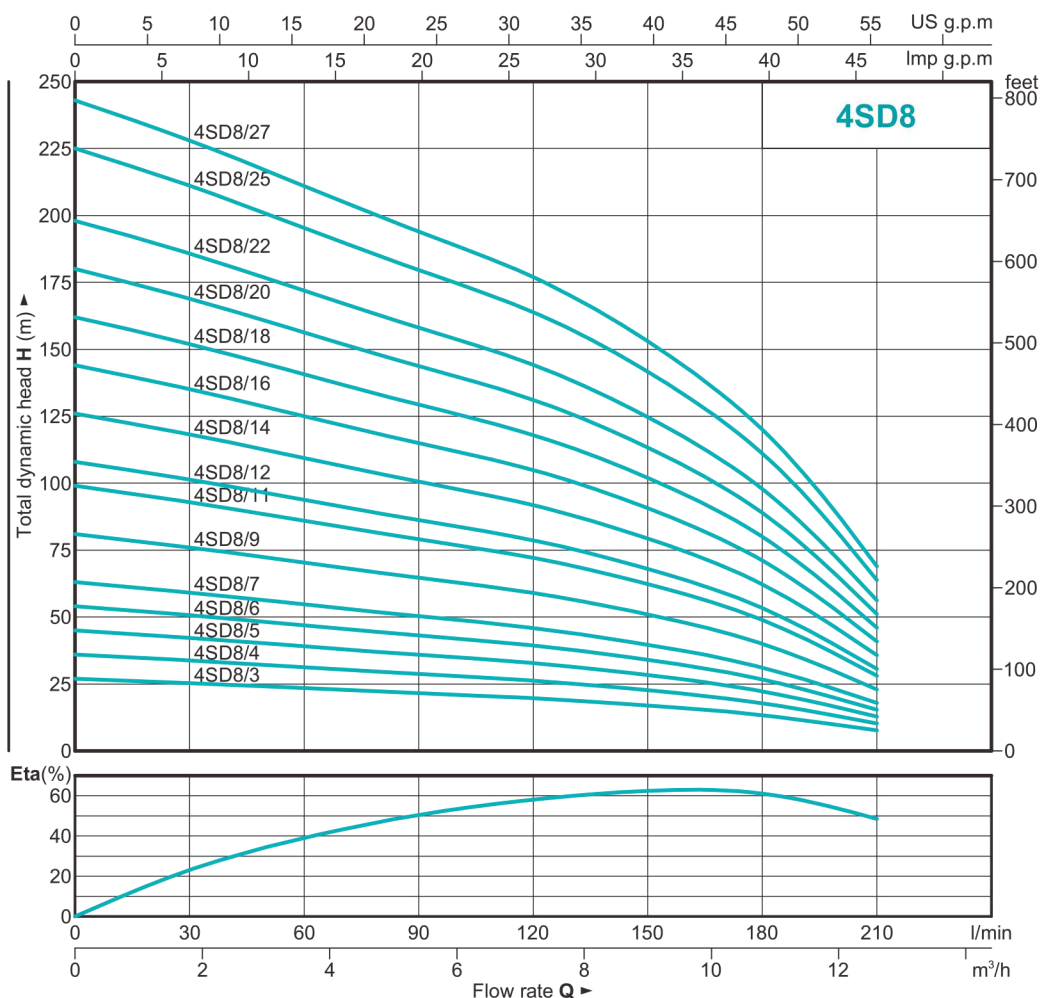
4SD6



PERFORMANCE DATA 60Hz

Outlet: G1¼"~G2"

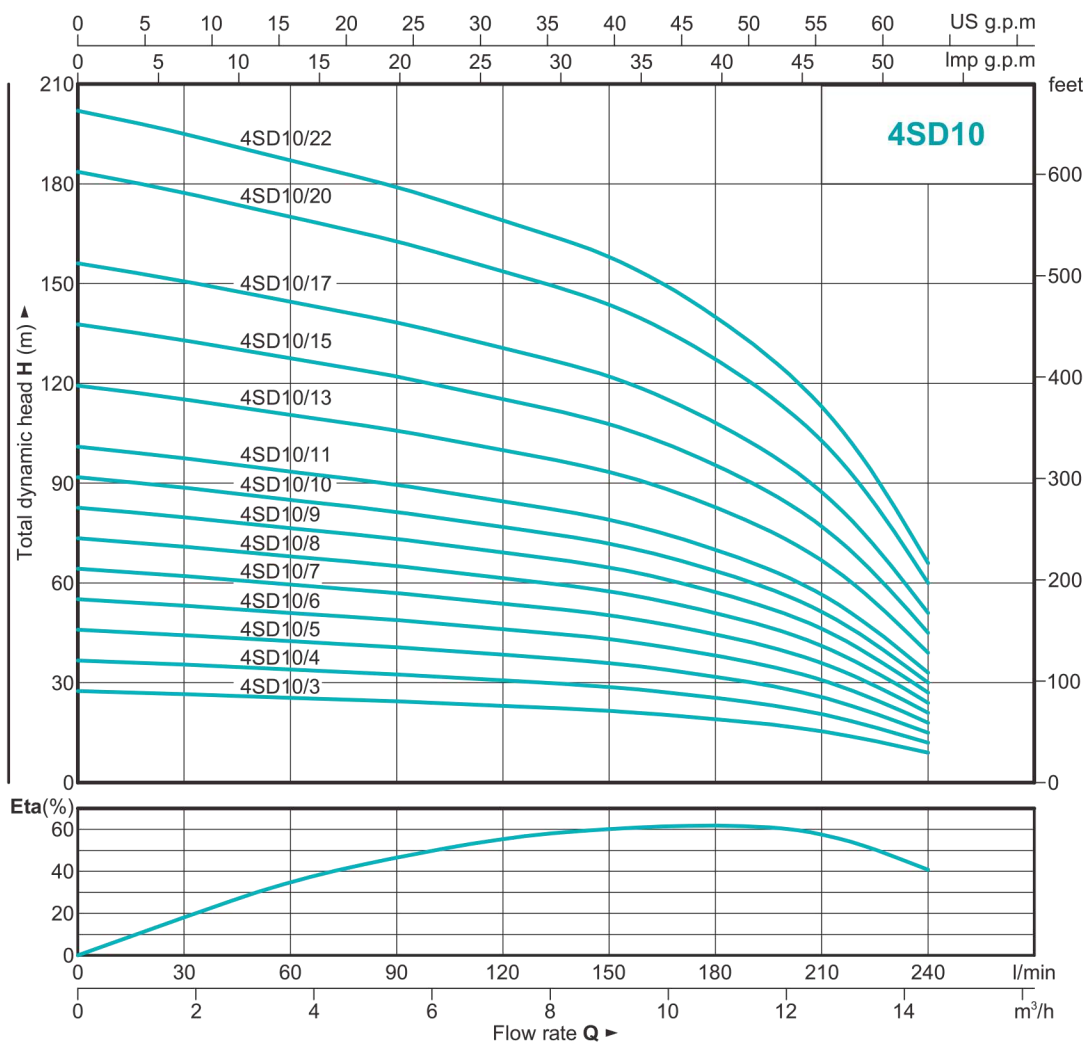
MODEL		P ₂		DELIVERY n≈3450 1/min										
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6
						0	20	40	60	80	100	120	140	150
4SDM6/4	4SD6/4	0.37	0.5	H(m)		37	35	33	31	29	26	23	18	11
4SDM6/5	4SD6/5	0.55	0.75			46	44	41	39	36	33	29	22	14
4SDM6/6	4SD6/6	0.75	1			56	52	49	46	43	40	35	27	17
4SDM6/7	4SD6/7	1.1	1.5			65	61	57	54	50	46	40	31	19
4SDM6/8	4SD6/8	1.3	1.75			74	70	66	62	57	53	46	36	22
4SDM6/10	4SD6/10	1.5	2			93	87	82	77	72	66	58	45	28
4SDM6/12	4SD6/12	1.8	2.5			111	105	98	92	86	79	69	54	33
4SDM6/14	4SD6/14	2.2	3			130	122	115	108	100	93	81	63	39
4SDM6/16	4SD6/16	2.6	3.5			148	140	131	123	115	106	92	72	44
—	4SD6/18	3	4			167	157	148	139	129	119	104	81	50
—	4SD6/20	3.7	5			185	175	164	154	144	132	115	90	55
—	4SD6/23	4	5.5			213	201	189	177	165	152	133	103	64
—	4SD6/26	5	7			241	227	213	200	187	172	150	117	72
—	4SD6/28	5.5	7.5			259	245	230	216	201	185	161	126	77
—	4SD6/31	6.8	9			287	271	254	239	222	205	179	139	86
—	4SD6/34	7.5	10			315	297	279	262	244	225	196	153	94



PERFORMANCE DATA 60Hz

Outlet: G1½"~G2"

MODEL		P ₂		DELIVERY n≈3450 1/min									
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	1.8	3.6	5.4	7.2	9	10.8	12.6
				H(m)		0	30	60	90	120	150	180	210
4SDM8/3	4SD8/3	0.55	0.75		27	25	23	22	20	17	13	8	
4SDM8/4	4SD8/4	0.75	1		36	34	31	29	26	23	18	10	
4SDM8/5	4SD8/5	1.1	1.5		45	42	39	36	33	28	22	13	
4SDM8/6	4SD8/6	1.3	1.75		54	51	47	43	39	34	27	15	
4SDM8/7	4SD8/7	1.5	2		63	59	55	50	46	40	31	18	
4SDM8/9	4SD8/9	1.8	2.5		81	76	70	65	59	51	40	23	
4SDM8/11	4SD8/11	2.2	3		99	93	86	79	72	62	49	28	
4SDM8/12	4SD8/12	2.6	3.5		108	101	94	86	79	68	53	31	
—	4SD8/14	3	4		126	118	109	101	92	79	62	36	
—	4SD8/16	3.7	5		144	135	125	115	105	91	71	41	
—	4SD8/18	4	5.5		162	152	141	129	118	102	80	46	
—	4SD8/20	5	7		180	169	156	144	131	113	89	51	
—	4SD8/22	5.5	7.5		198	186	172	158	144	125	98	56	
—	4SD8/25	6.8	9		225	211	195	180	164	142	111	64	
—	4SD8/27	7.5	10	243	228	211	194	177	153	120	69		

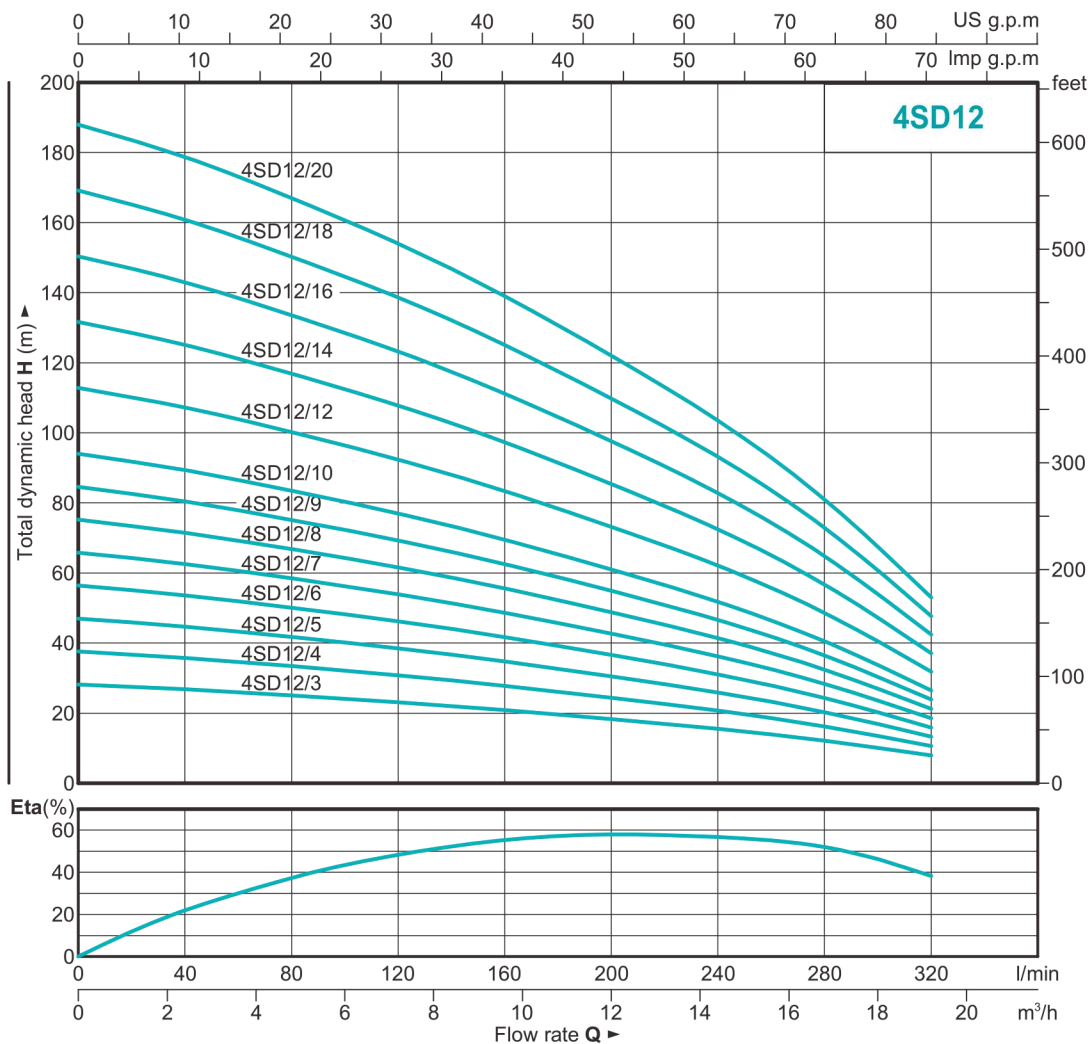


PERFORMANCE DATA 60Hz

Outlet: $G1\frac{1}{2}" \sim G2"$

MODEL		P ₂		DELIVERY n≈3450 1/min										
1~ 110V/220V	3~ 220/380V	kW	HP	Q	$\frac{m^3}{h}$ l/min	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4
4SDM10/3	4SD10/3	0.92	1.25	H(m)		0	30	60	90	120	150	180	210	240
4SDM10/4	4SD10/4	1.1	1.5			28	27	25	24	23	22	19	15	9
4SDM10/5	4SD10/5	1.5	2			37	35	34	33	31	29	25	21	12
4SDM10/6	4SD10/6	1.8	2.5			46	44	42	41	38	36	32	26	15
4SDM10/7	4SD10/7	2.2	3			55	53	51	49	46	43	38	31	18
4SDM10/8	4SD10/8	2.2	3			64	62	59	57	54	50	45	36	21
4SDM10/9	4SD10/9	2.6	3.5			73	71	68	65	61	57	51	41	24
—	4SD10/10	3	4			83	80	76	73	69	65	57	46	27
—	4SD10/11	3.7	5			92	89	85	81	77	72	64	51	30
—	4SD10/13	4	5.5			101	97	93	89	84	79	70	56	33
—	4SD10/15	5	7			119	115	110	106	100	93	83	67	39
—	4SD10/17	5.5	7.5			138	133	127	122	115	108	95	77	45
—	4SD10/20	6.8	9			156	151	145	138	131	122	108	87	51
—	4SD10/22	7.5	10			184	177	170	163	154	144	127	103	60
—	4SD10/22	7.5	10		202	195	187	179	169	158	140	113	66	

4SD12

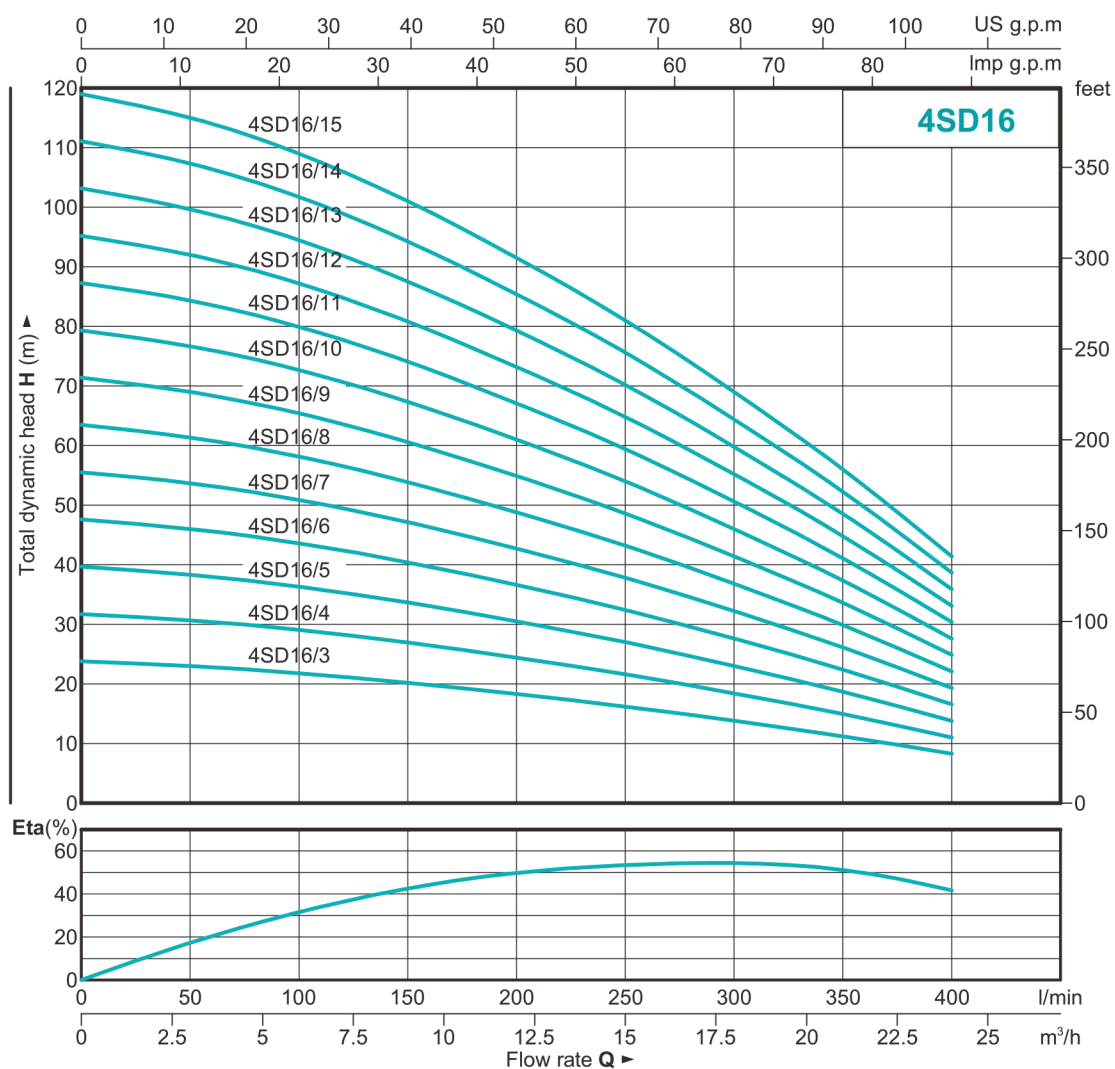


PERFORMANCE DATA 60Hz

Outlet: G1½"~G2"

MODEL		P ₂		DELIVERY n≈3450 1/min										
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2
4SDM12/3	4SD12/3	1.1	1.5	H(m)		28	27	25	23	21	18	16	12	5
4SDM12/4	4SD12/4	1.5	2			38	36	33	31	28	24	21	16	7
4SDM12/5	4SD12/5	1.8	2.5			47	45	42	38	35	30	26	20	8
4SDM12/6	4SD12/6	2.2	3			56	54	50	46	42	37	31	24	10
4SDM12/7	4SD12/7	2.2	3			66	63	58	54	49	43	36	28	12
4SDM12/8	4SD12/8	2.6	3.5			75	71	67	62	56	49	41	32	13
—	4SD12/9	3	4			85	80	75	69	63	55	47	36	15
—	4SD12/10	3.7	5			94	89	84	77	70	61	52	40	17
—	4SD12/12	4	5.5			113	107	100	92	83	73	62	49	20
—	4SD12/14	5	7			132	125	117	108	97	85	72	57	23
—	4SD12/16	5.5	7.5			150	143	134	123	111	98	83	65	26
—	4SD12/18	6.8	9			169	161	150	139	125	110	93	73	30
—	4SD12/20	7.5	10			188	179	167	154	139	122	104	81	33

4SD16



PERFORMANCE DATA 60Hz

Outlet: G1½"~G2"

MODEL		P ₂		DELIVERY n≈3450 1/min										
1~ 110V/220V	3~ 220/380V	kW	HP	Q	m³/h l/min	0	3	6	9	12	15	18	21	24
						0	50	100	150	200	250	300	350	400
4SDM16/3	4SD16/3	1.3	1.75	H(m)		24	23	22	20	18	16	14	11	8
4SDM16/4	4SD16/4	1.8	2.5			32	31	29	27	24	22	18	15	11
4SDM16/5	4SD16/5	2.2	3			40	38	36	34	30	27	23	19	14
4SDM16/6	4SD16/6	2.6	3.5			48	46	44	40	37	32	28	22	17
—	4SD16/7	3	4			56	54	51	47	43	38	32	26	19
—	4SD16/8	3.7	5			63	61	58	54	49	43	37	30	22
—	4SD16/9	3.7	5			71	69	65	61	55	49	41	34	25
—	4SD16/10	4	5.5			79	77	73	67	61	54	46	37	28
—	4SD16/11	5	7			87	84	80	74	67	59	51	41	30
—	4SD16/12	5.5	7.5			95	92	87	81	73	65	55	45	33
—	4SD16/13	6.8	9			103	100	94	88	79	70	60	49	36
—	4SD16/14	7.5	10			111	107	102	94	85	76	64	52	39
—	4SD16/15	7.5	10			119	115	109	101	92	81	69	56	41