



SRF SERIES 50 HZ

4"/6" SUBMERSIBLE PUMPS



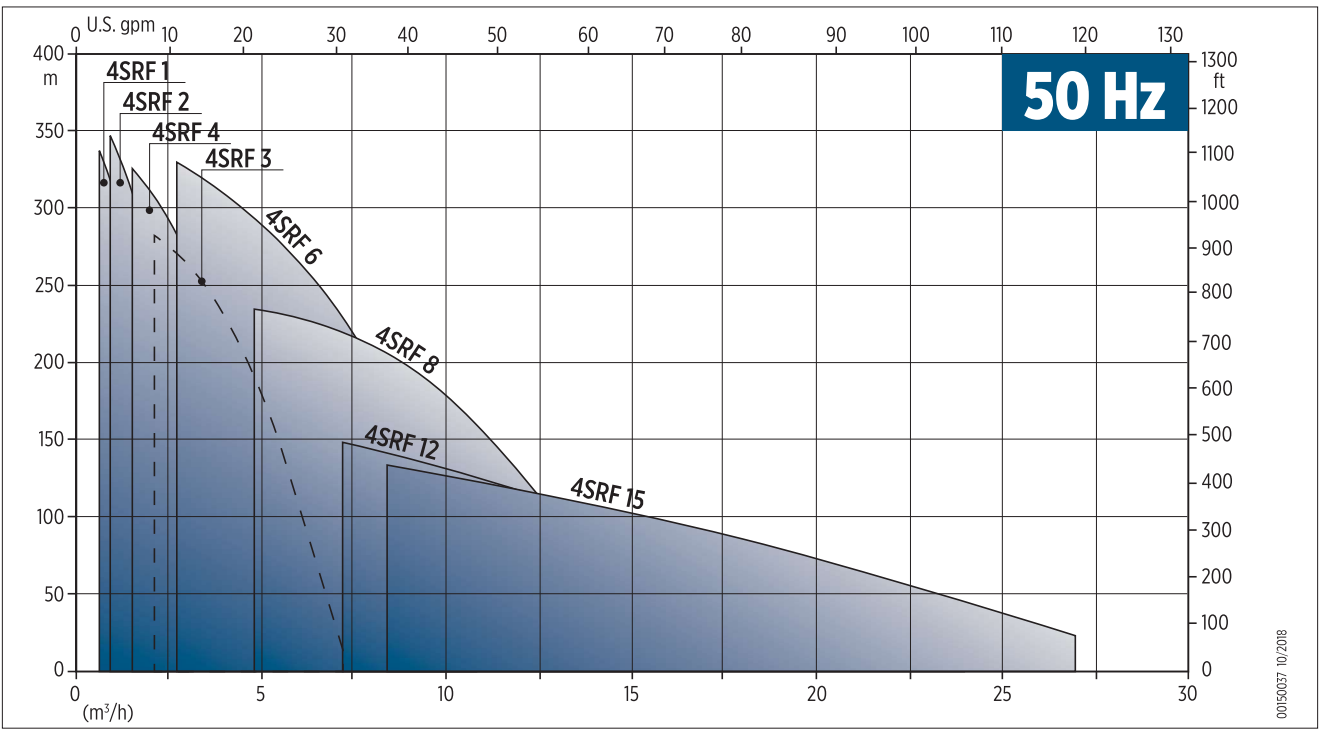
GENERAL FEATURES 6"

Model	6"					
	10	15	21	24	35	45
Nominal flow [m ³ /h]:	9	13,5	21	24	30	42
Liquid temperature range [°C]:	30 °C					
Max. ID hydraulic [%]:	65%	68%	68%	67%	68%	58%
Range [m ³ /h]:	3 - 17	6 - 21	9 - 33	12 - 36	18 - 48	24 - 63
Max. head [m]:	842	816	812	704	496	361
Discharge diameter:	3"					
Maximum allowable amount of sand:	60 g/m ³					
Motor power [kW]:	2.2 - 26	3.0 - 37	1.5 - 45	3 - 45	3 - 45	7.5 - 45
Rotation:	Counter clockwise when looking into the discharge					
Operation:	Continuously in vertical or horizontal position					
Maximum pump diameter (including cable guard):	140 mm					
Motor support:	Supplied for connection to 4" motor (standard NEMA)					
Options (on request):	Check valve spring loaded for models with less than 19 stages Motor support 6" for models up to 5,5 kW Cooling shroud Double cable guard					

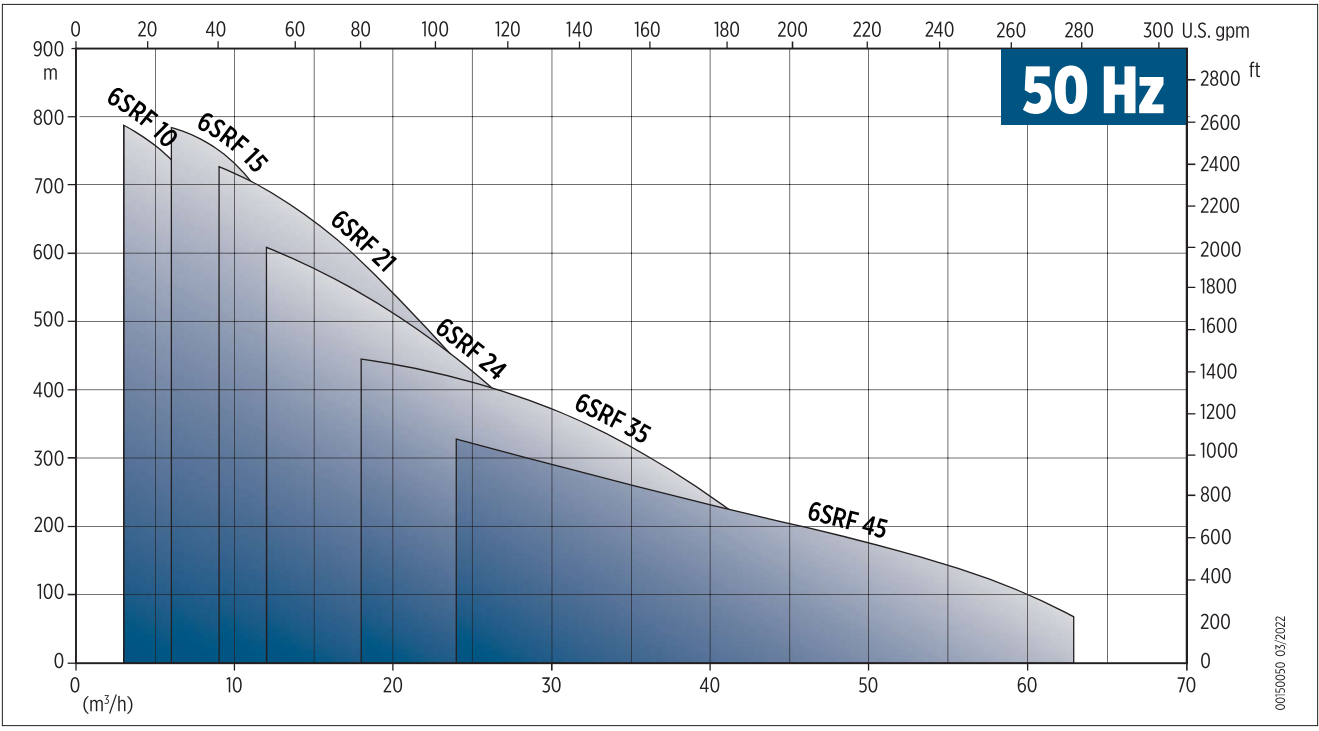
MOTOR SPECIFICATION

- Motor adapter in compliance with NEMA standard
- For more information consult the product catalog of Submersible motors

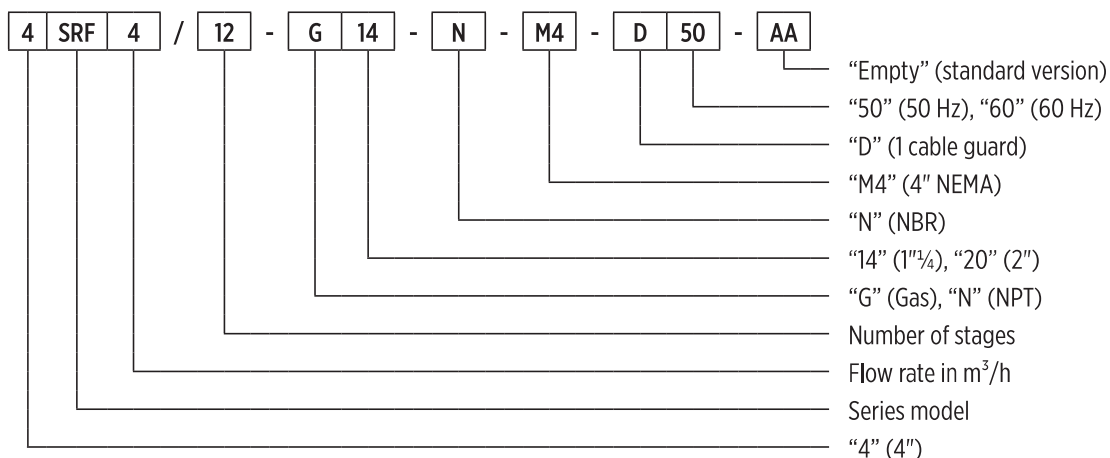
4SRF FAMILY CURVES



6SRF FAMILY CURVES

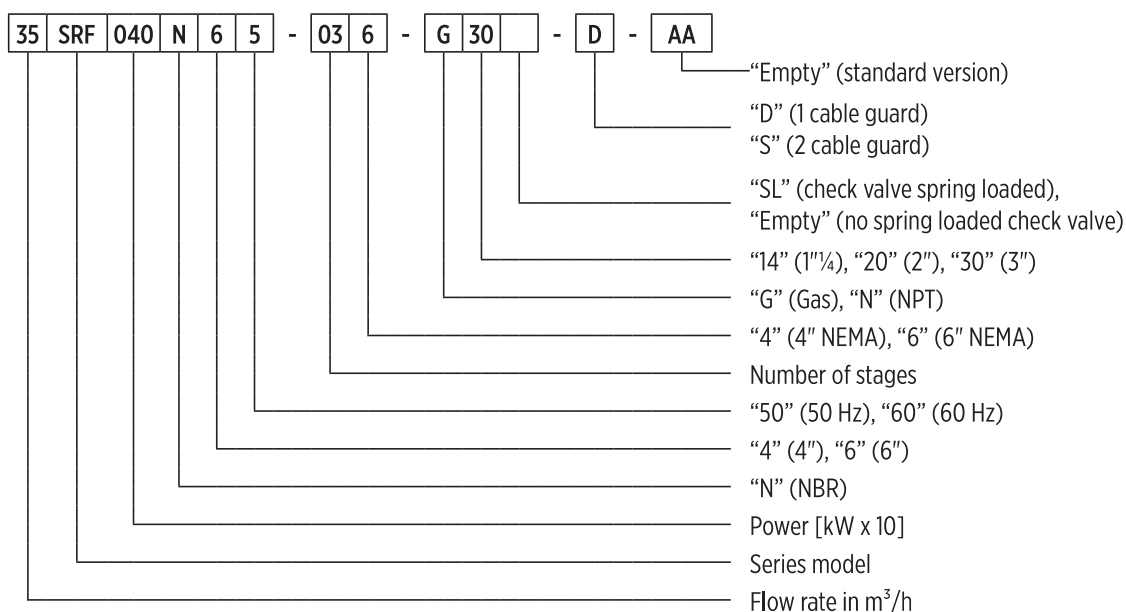


4SRF PUMP IDENTIFICATION CODE



00140080 03/2021

6SRF PUMP IDENTIFICATION CODE



00140084 03/2022

PUMP RATING PLATE

FPS		Franklin Electric Srl	
MADE IN ITALY		1	
50Hz	3 rpm	H: 5	Hmax: 6
eff: 8	SN: 2	4 m ³ /h	
Part No: 9		7	

- 1) Model
- 2) Serial number
- 3) Nominal Rpm
- 4) Delivery range
- 5) Head range
- 6) Maximum head
- 7) MEI index
- 8) Hydraulic efficiency
- 9) Code

6SRF 24-35-45

Pump model	No. stages	RATED POWER		Q = DELIVERY																	
				m³/h 0	6	12	15	18	24	27	30	33	36	39	42	45	48	51	60	63	66
	l/min 0	100	200	250	300	400	450	500	550	600	650	700	750	800	850	1000	1050	1100			
		[kW]	[HP]	H = TOTAL M.HEAD OF WATER COLUMN [m]																	
6SRF 24	03	3.0	4	46		40	38	35	29	25	21	16	10								
	04	4.0	5.5	61		56	50	47	39	33	27	21	13								
	06	5.5	7.5	92		79	75	70	58	50	41	31	20								
	08	7.5	10	122		106	100	94	77	67	55	42	27								
	10	9.2	12.5	153		132	125	117	97	84	69	52	34								
	12	11.0	15	184		159	150	141	116	100	82	63	40								
	14	13.0	17.5	214		185	175	164	135	114	96	73	47								
	16	15.0	20	245		212	200	187	154	134	110	83	54								
	20	18.5	25	306		264	251	234	193	167	137	104	67								
	24	22.0	30	267		317	301	281	232	200	164	125	81								
	28	26.0	35	428		370	351	328	270	234	192	146	94								
	32	30.0	40	490		423	401	375	309	267	219	167	108								
	40	37.0	50	612		529	501	468	386	334	274	208	134								
	46	45.0	60	704		608	576	539	444	384	315	240	155								
Efficiency					50%	56%	63%	67%	65%	59%	48%	-									
6SRF 35	02	3.0	4					28	26	25	23	21	19	16	13	10	7				
	03	4.0	5.5					42	39	37	35	32	28	24	20	15	10				
	04	5.5	7.5					55	52	49	46	42	38	32	26	20	13				
	05	7.5	10					69	65	62	58	53	47	40	33	25	17				
	06	9.2	12.5					83	78	74	70	64	57	48	39	30	20				
	08	11.0	15					111	104	99	93	85	76	65	53	40	26				
	09	13.0	17.5					125	117	111	104	96	85	73	59	45	30				
	10	15.0	20					139	130	124	116	106	95	81	66	50	33				
	13	18.5	25					180	169	161	151	138	123	105	86	64	43				
	16	22.0	30					222	208	198	186	170	151	129	105	79	53				
	19	26.0	35					264	246	235	220	202	180	154	125	94	63				
	22	30.0	40					305	285	272	255	234	208	178	145	109	73				
	27	37.0	50					374	350	334	313	287	255	218	170	134	89				
	32	45.0	60					444	415	396	371	340	302	259	211	158	106				
Efficiency							54%	64%	67%	68%	67%	64%	60%	50%	35%	-					
6SRF 45	04	7.5	10						47	45	42	39	36	33	31	28	26	24	14	9	
	06	9.2	12.5						70	68	63	58	54	50	46	43	39	36	21	14	
	07	11.0	15						82	79	74	68	63	58	54	50	46	42	25	16	
	08	13.0	17.5						93	90	84	78	72	66	61	57	53	48	28	18	
	09	15.0	20						105	101	95	88	81	75	69	64	59	54	32	21	
	12	18.5	25						140	135	126	117	107	99	92	85	79	72	42	28	
	14	22.0	30						163	158	147	136	125	116	108	100	92	84	49	32	
	17	26.0	35						198	191	179	165	152	141	131	121	112	102	60	39	
	19	30.0	40						221	214	200	185	170	157	146	135	125	114	67	44	
	24	37.0	50						280	270	252	234	215	199	184	171	158	144	84	55	
	28	45.0	60						326	315	294	272	251	232	215	199	184	168	98	64	
Efficiency								49%	52%	55%	57%	58%	58%	58%	56%	53%	48%	30%	-		

Best efficiency point

6SRF 24

Pump model	No. stages	Motor			Dimensions [mm]			Diameter [mm]			Weight [Kg]		
		Type	[Kw]	[HP]	L1	L2	Lt	Pump (PD)		Motor (MD)	Pump	Motor	Total
						3-	3-	1 cable	2 cable				
6SRF 24	3	E4 HT	3	4	458	477.2	935.2	140	-	95.25	8.3	17	25.3
	4		4	5.5	515	543.2	1058.2	140	-	95.25	9.2	20	29.2
	6		5.5	7.5	629	625.5	1254.5	140	-	95.25	10.9	26.6	37.5
	3	E6	4	5.5	458	581.2	1039.2	140	143	135.52	8.3	38	46.3
	4		4	5.5	515	581.2	1096.2	140	143	135.52	9.2	38	47.2
	6		5.5	7.5	629	614.4	1243.4	140	143	135.52	10.9	41	51.9
	8		7.5	10	743	646.2	1389.2	140	143	135.52	12.7	44	56.7
	10		9.2	12.5	857	678.7	1535.7	140	143	135.52	14.4	47.5	61.9
	12		11	15	971	711.2	1682.2	140	143	135.52	16.1	50	66.1
	14		15	20	1085	776.2	1861.2	140	143	135.52	17.8	56	73.8
	16		15	20	1199	776.2	1975.2	140	143	135.52	19.6	56	75.6
	20		18.5	25	1494	841.5	2335.5	140	143	135.52	25.9	63	88.9
	24		22	30	1721	906.5	2627.5	140	143	135.52	29.5	68.5	98
	28		30	40	2098	1036.6	3134.6	140	143	135.52	40.7	83	123.7
	32		30	40	2326	1036.6	3362.6	140	143	135.52	44.7	83	127.7
	40		37	50	2886	1476.7	4362.7	140	143	135.52	54.5	118	172.5
	46		45	60	3228	1629.2	4857.2	140	143	135.52	60.5	130	190.5
	3	RW6	4	5.5	458	679	1137	140	143	142	8.3	43	51.3
	4		4	5.5	515	679	1194	140	143	142	9.2	43	52.2
	6		5.5	7.5	629	679	1308	140	143	142	10.9	43	53.9
	8		7.5	10	743	699	1442	140	143	142	12.7	45	57.7
	10		9.2	12.5	857	729	1586	140	143	142	14.4	49	63.4
	12		11	15	971	759	1730	140	143	142	16.1	53	69.1
	14		15	20	1085	854	1939	140	143	142	17.8	61	78.8
	16		15	20	1199	854	2053	140	143	142	19.6	61	80.6
	20		18.5	25	1494	899	2393	140	143	142	25.9	66	91.9
	24		22	30	1721	989	2710	140	143	142	29.5	77	106.5
	28		30	40	2098	1194	3292	140	143	142	40.7	98	138.7
	32		30	40	2326	1194	3520	140	143	142	44.7	98	142.7
	40		37	50	2886	1274	4160	140	143	142	54.5	105	159.5

