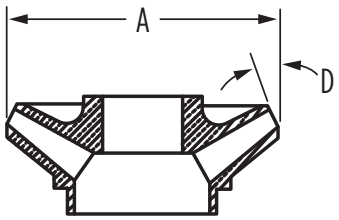
ENGINEERING DATA

FVT & FST TURBINE IMPELLER MECHANICAL DATA



Model	Diameter (A)		Standard Lateral (in.)	MAX Sphere (in.)	Eye Area (in.^2)	Weight (lb)	Trim Angle (D) (degree)
	Maximum (in.)	Minimum (in.)					
5FMC	4.125	3.875	0.25	0.375	3.03	1.7	20
6FJC	4.688	3.688	0.375	0.125	2.41	1.8	0
6FMC	4.688	3.750	0.438	0.188	3.2	2.15	27
6FHC	4.688	3.750	0.375	0.188	3.65	2.38	20
6FXC	4.625	4.25	0.625	0.188	5.02	2.15	30
6FWC	4.688	4.313	0.438	0.5	6.88	2.65	35
6FYC	4.688	4.313	0.25	0.5	7.51	2.35	30
7FMC	5.688	5.125	0.625	0.75	11.3	5	18
7FHC	5.688	5.375	0.625	0.75	11.3	5.25	18
8FJC	6.313	5.250	0.438	0.25	3.65	5.75	0
8FJS	6.313	5.625	0.438	0.25	3.18	3.55	0
8FLC	6.313	4.875	0.438	0.25	4.64	5.75	0
8FLS	6.313	5.625	0.438	0.25	4.64	4.25	0
8FKC	6.313	5.500	0.438	0.375	5.72	5.5	18
8FKS	6.313	5.500	0.438	0.375	6.6	3.75	18
8FMC	6.313	5.500	0.438	0.375	6.5	5	27.5
8FMS	6.313	5.500	0.438	0.375	6.6	4.125	27.5
8FEHC	6.313	5.750	0.375	0.625	8.33	5	29.5
8FEHS	6.313	5.750	0.375	0.625	8.48	3.25	29.5
8FYC	6.365	5.500	0.375	1.125	15.9	5.25	37
8FYS	6.344	5.750	0.375	1.125	15.9	5	37
8FYS	6.344	5.750	0.375	1.125	15.9	5	37
9FHC	7.415	6.938	0.875	0.75	12.4	8.2	17
10FJC	7.725	6.797	0.5	0.438	7.89	9.25	25.5
10FKC	7.725	6.797	0.5	0.438	7.89	9.5	25.5
10FLC	7.688	6.875	0.563	0.5	10.2	9.75	20
10FLS	7.688	6.875	0.5	0.5	11.7	6.25	20
10FMC	7.688	6.875	0.625	0.625	11.7	8.5	26
10FMS	7.688	6.875	0.625	0.625	11.7	5.75	26
10FHC	8.250	6.750	0.625	0.875	19.4	11	33.25
10FWC	8.250	6.750	0.875	0.875	19.4	11.5	33.25
10FWS	8.250	6.750	0.875	0.875	19.4	7.25	33.25
10FYC	8.250	6.750	0.75	0.875	19.4	11	33.25
10FYS	8.250	6.750	0.75	0.875	19.4	7.25	33.25
10FZC	8.250	7.125	0.5	1.438	26.7	9.75	42
10FZS	8.250	7.125	0.5	1.438	26.7	5.75	42
11FLC	8.813	8.188	0.75	0.75	17.7	13.3	23
11FMC	8.813	8.188	0.75	0.75	17.7	13.3	23
11FHC	8.813	8.188	0.75	0.75	17.7	13.3	23
12FDC	9.313	8.375	0.625	0.625	15.9	14.25	25
12FJC	9.500	8.000	0.625	0.5	15.9	14.5	25
12FIC	9.313	8.500	0.625	0.625	19.1	15	23
12FIS	9.313	8.250	0.625	0.625	18.1	9.5	23
12FKC	9.313	7.938	0.625	0.625	18.1	16	23
12FKS	9.313	7.938	0.5	0.625	20.4	9	23
12FNC	9.703	8.250	0.625	0.75	14.1	12.5	26
12FLC	9.375	7.750	0.875	0.625	20.1	15.5	21.5
12FLS	9.375	7.750	0.875	0.625	20.1	8.13	21.5
12FGC	9.500	8.750	1	0.625	20.1	17.5	24
12FMC	9.375	8.000	0.75	0.625	20.1	15	21.5
12FMS	9.375	8.000	0.75	0.625	20.1	10	21.5
12FHC	9.563	8.875	0.75	0.75	32.4	11.5	30

Model	Diameter (A)		Standard Lateral (in.)	MAX Sphere (in.)	Eye Area (in.^2)	Weight (lb)	Trim Angle (D) (degree)
	Maximum (in.)	Minimum (in.)					
12FHS	9.563	8.875	0.75	0.75	32.4	11.25	30
12FXC	9.563	8.875	0.875	1	36.6	15.25	26.5
12FXS	9.563	8.875	0.875	0.875	35.6	11.5	26.5
12FWC	10.063	9.063	0.75	1.375	29.7	21	30.5
12FWS	10.063	9.375	0.75	1.375	29.7	14.5	30.5
12FYC	9.797	8.634	0.875	1.5	38	19	35
12FYS	9.500	8.625	0.875	1.5	38	19	35
13FMC	9.938	8.625	0.813	0.75	23.4	14.7	30
14FLC	11.313	10.313	0.875	0.75	31.5	28	23
14FLS	11.313	10.313	0.875	0.75	31.5	18.5	23
14FMC	11.313	10.688	0.875	1.25	40.9	28	30
14FMS	11.313	10.688	0.875	1.25	40.9	20.25	30
14FHC	11.313	10.500	0.875	1.25	40.9	30.25	32.5
14FHS	11.313	10.500	0.875	1.25	43.9	21.25	32.5
14FXC	11.313	10.625	0.875	1.25	40.9	29.25	32.5
14FXS	11.313	10.625	0.875	1.25	40.9	20.25	32.5
14FWC	11.813	10.500	0.875	1.5	47.4	31.75	35
14FWS	11.813	10.500	0.875	1.5	47.3	23.25	35
14FYC	11.250	10.625	0.635	1.25	57	28	35
14FZC	11.250	10.750	0.625	1.25	58.5	28	35
14FLCR	11.500	10.875	0.812	1.25	37.8	26	31
14FMCR	11.500	10.500	0.813	1.25	37.8	26	31
14FHCR	11.500	10.406	0.813	1.25	37.6	26	31
15FKC	11.850	11.000	0.688	2.25	63.6	30	34
15FKS	11.850	10.500	0.688	2.25	63.6	21	34
16FLC	10.925	9.900	0.563	1.375	51.3	32.3	14
16FMC	11.032	9.750	0.75	1.688	58.4	42	27
16FHC	11.032	9.750	0.75	1.688	54.4	52	27
18FLC	13.188	12.250	0.5	1.25	46	42	20
18FMC	13.188	12.250	0.5	1.25	50.3	42	20
18FHC	13.188	12.250	0.5	1.375	67.5	42	20
18FHHC	14.000	13.188	0.75	1.25	97.9	49	30
19FMC	12.600	10.750	0.75	1	74.5	54	26
19FMS	12.600	10.750	0.75	1	74.5	54	26
19FHC	12.600	10.750	0.75	1	74.5	54	26
19FHS	12.600	10.750	0.75	1	74.5	54	26
20FLC	13.810	12.630	0.75	2	72.6	69	27
20FMC	13.810	12.630	0.75	2	72.6	69	27
20FHC	16.750	16.000	0.625	2	113	94	27.5
24FLC	17.500	16.250	0.938	2	93	82	18
24FMC	17.500	16.250	0.938	2	93	82	18
24FHC	17.500	16.250	0.938	2	93	82	18
28FLC	20.875	17.875	0.875	1.75	133	255	22.5
28FMC	20.875	16.875	2.688	1.75	133	255	22.5
28FHC	20.875	18.875	0.875	1.75	133	255	22.5
30FLC	21.687	20.000	1.375	2.5	175	440	27.5
30FMC	21.687	20.000	1.375	2.5	175	440	27.5
36FLC	27.625	24.250	1.25	2.5	215	550	20
36FMC	27.625	25.500	1.25	2.5	215	500	20
36FHC	27.625	25.500	1.25	2.5	215	500	20
42FMC	33.000	28.500	1.125	3.5	390	730	25
42FHC	33.000	28.500	1.125	3.5	390	730	25