



**FLINT & WALLING**

Zoeller Family of Water Solutions™

# "6T" Submersible Pump Selection Charts

## "6T" Series 150 GPM Turbine Pump

Model	HP	Stg.	Disch. Press.	Depth To Water In Feet - Capacities In Gallons Per Minute																	Max. Press.								
				50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	Ft.	PSI	
6T150B05 6T150B056	5	2	0 20 40 60	211 154	146																						125	54	
6T150B07	7-1/2	3	0 20 40 60	211 166	208 161	156																					191	82	
6T150B10	10	4	0 20 40 60	222 204 166	201 164 97	198 160 78	156																				254	110	
6T150B15	15	6	0 20 40 60	222 223 212	210 211 192	221 189 191 163	208 188 161 124	186 158 121	156 117	113																	381	165	
6T150B20	20	8	0 20 40 60	222 223	214 215	221 202	213 200 184	198 181 161	179 158 133	156 125																	508	220	
6T150B25	25	9	0 20 40 60	236 230	229 223	235 222 213	228 222 213	221 211 198 181	210 196 180 161	195 178 159 131	177 157 129	155 126	124														598	259	
6T150B30	30	11	0 20 40 60	236 230	230 224	235 230 224	229 224 217 207	229 224 217 207	224 216 206 195	215 205 194 180	204 193 179 164	192 178 163 141	177 161 141	160 138	136 95	84												731	316
6T150B40	40	15	0 20 40 60	229 225	225 221	232 225 221	228 225 221	224 220 216	220 215 209 201	215 209 201 192	208 200 191 181	199 191 181 169	190 180 169 156	179 168 155 140	167 154 139 121	163 138 120	137 118	116										975	421
6T150B50	50	18	0 20 40 60	236 232	232 229	235 232 229	235 232 229	232 225 222	228 225 222	225 222 217	222 217	211 204	204 197	188 179	210 202 195	202 186 177	195 188 178	186 177 168	177 168 156	167 156 144	155 142 127	141 125 95	124 90	83	76	1196	517		

## "6T" Series 200 GPM Turbine Pump

Model	HP	Stg.	Disch. Press.	Depth To Water In Feet - Capacities In Gallons Per Minute																	Max. Press.							
				50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	Ft.	PSI		
6T200B05 6T200B056	5	1	0 20 40 60	254																							84	36
6T200B07	7-1/2	2	0 20 40 60	281 215	209																						140	60
6T200B10	10	3	0 20 40 60	247 200	243 195	190																					200	86
6T200B15	15	3	0 20 40 60	299 261 220	296 258 217 153	254 213 147	208 101																				251	109
6T200B20	20	5	0 20 40 60	290 266	288 264 239	262 238 208	236 206 169	204 166	158																		380	164
6T200B25	25	6	0 20 40 60	309 288	307 287 267	286 264 245	260 242 221	233 218 193	201 189 157	158	148																471	204
6T200B30	30	8	0 20 40 60	287	280	295 279 264	278 263 247	261 246 230	245 229 209	227 208 185	206 183 156	181 154	148														587	254
6T200B40	40	9	0 20 40 60		307 307	305 293	291 279	277 265	263 250	248 236	234 220	218 202	200 181	180 154	198 152	176 149	147										730	316
6T200B50	50	12	0 20 40 60		308	307 297	296 286	285 275	285 264	274 254	263 243	252 231	241 219	230 205	217 190	203 173	187 151	186 150	169 146	148	146						942	407
6T200B60	60	13	0 20 40 60			308 297	305 286	295 275	285 264	274 254	263 243	252 231	241 219	230 205	217 190	203 173	187 151	186 150	169 146	148	146						1088	470

NOTE: Friction loss not included in selection charts.

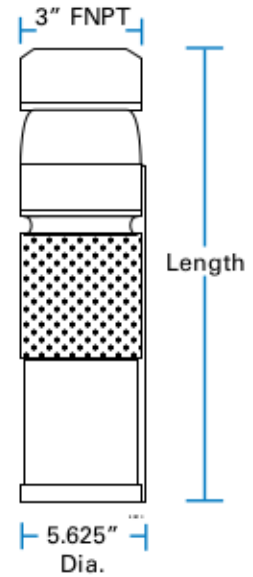
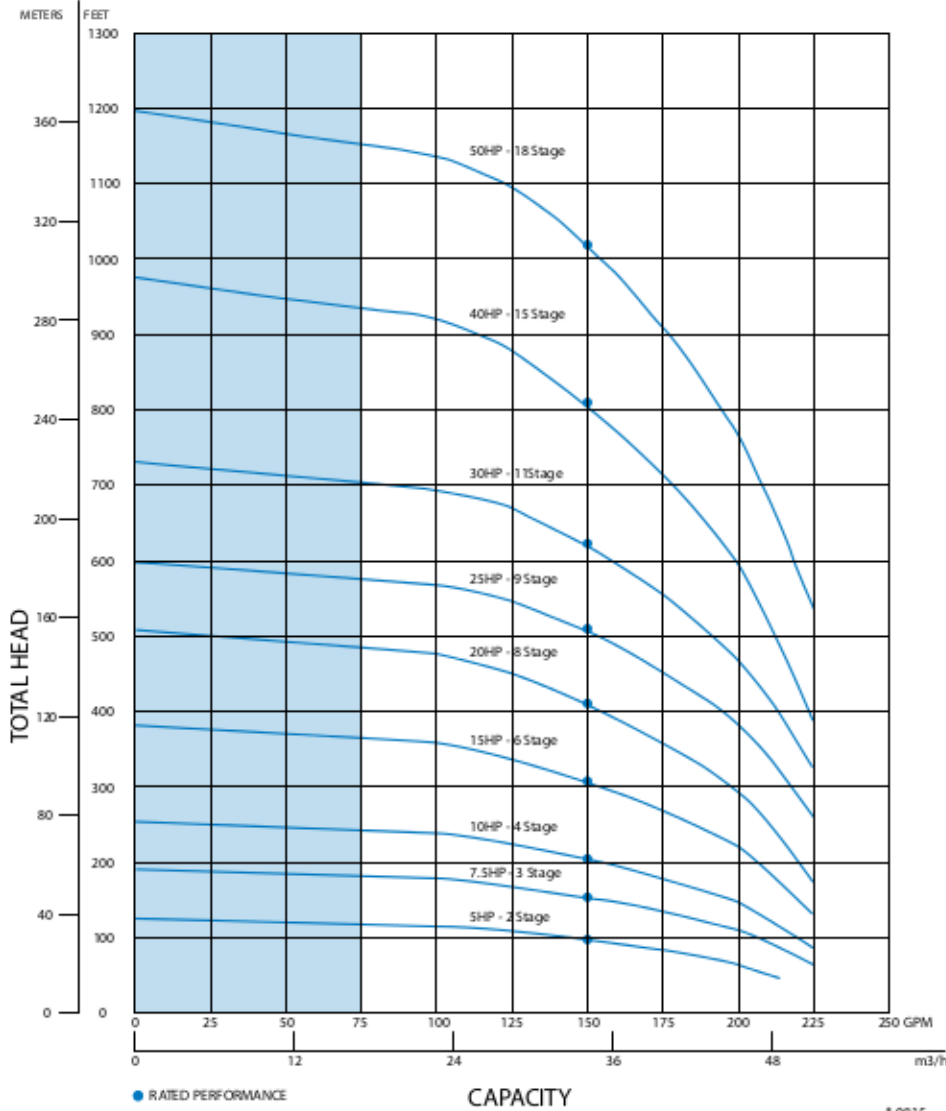


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Zoeller Family of Water Solutions™

# 150 • 5 thru 50 HP • 3450 RPM • 60 HZ • 6T

6 Inch Minimum Inside Well Diameter



## 150 GPM

Model No.	HP	Motor Size	Stages	Phase	Length (Inches)		Efficiency at Rated Flow
					Pump	Motor	
6T150B05	5	4"	2	1	22.8	28.2	74%
				3		22.2	
6T150B056	5	6"	2	1	22.8	25.4	74%
				3		22.9	
6T150B07	7-1/2	6"	3	1	27.4	28.0	75%
			3	24.2			
6T150B10	10	6"	4	1	32.0	30.6	76%
			3	25.4			
6T150B15	15	6"	6	1	41.3	33.1	76%
			3	28.0			
6T150B20	20	6"	8	3	50.5	30.6	76%
6T150B25	25	6"	9	3	55.1	33.1	76%
6T150B30	30	6"	11	3	64.8	35.7	76%
6T150B40	40	6"	15	3	82.9	40.8	76%
6T150B50	50	6"	18	3	96.8	55.3	76%



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# Submersible Pumps For Six and Eight Inch Wells

**50 to 250 GPM  
For Six-Inch Wells**

**325 & 400 GPM  
For Eight-Inch Wells**

Series "6P", "6T" and "8T"  
High capacity six or eight  
inch submersible pumps  
for commercial, industrial,  
agricultural, municipal and other  
deep well, large water volume  
applications

- Cast iron suction and discharge housings
- Stainless steel pump shaft and coupling
- Mounting rings available for 5 HP four-inch motors, 5 thru 60 HP six-inch motors and 75 & 100 HP 8-inch motors
- Complete selection of submersible stainless steel motors:

Single-phase -

5, 7-1/2 and 10 HP

Three-phase -

5 thru 100 HP





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Zoeller Family of Water Solutions™

# Submersible Pumps For 6 and 8 Inch Wells

**6P SERIES 5 TO 30 HP  
50, 80 AND 120 GPM**



**6T & 8T SERIES 5 TO 100 HP  
150, 200, 250, 325 AND 400 GPM**



## 6P, 6T & 8T Features & Benefits

Component Description	6P Series 50, 80 & 120 GPM 5-30HP	6T & 8T Series 150, 200, 250, 325 & 400 GPM 5-100 HP
Discharge	Cast Iron with closed sintered lead free sleeve bearing, 3" NPT	Cast Iron, 3" NPT on 6T Series, 4" NPT on 325 GPM 8T Series and 5" NPT with enclosed bearing on 400 GPM 8T series.
Motor Bracket	Cast Iron for 4 and 6" NEMA Std motors	Cast Iron with bronze sleeve bearing. For 4, 6 and 8" NEMA Std motors (availability varies with model)."
Suction Screen	430 SST	416 SST
Motor Coupling	One-piece SST	416 SST
Sand Collar	n/a	Bronze - helps protect motor bracket bearing from sand
Staging	304 heavy wall SST shell, fiberglass reinforced Noryl® diffusers and axial mixed flow impellers, acetal diffuser plates."	Cast iron procelain lined threaded bowls with 304 SST Impellers. Bronze impellers on 200 GPM pumps.
Stage Bearings	SST sleeve and marine rubber radial bearing	Rubber and bronze
Collet	n/a	416 SST - split tapered design locks impeller to shaft
Thrust collar	SST thrust bearing in each stage	Bronze - helps protect against upthrust
Pump Shaft	416 SST 3/4" hex drive shaft	416 SST
Cable Guard	302 SST	SST

NOTE: Check Valve not supplied