

Vulcan HDS Submersible Slurry Pump Data Sheet

Model: 150M

HDS 150M Pump Data	
Discharge Size	6" (150 mm)
Flange Rating	150# FF/ANSI B16.5
Impeller Dia.	16.93" (430 mm)
Min. Impeller Dia.	13.58" (345 mm)
Max Particle Size	2.16" (55 mm)
GA Drawing	A1434

Wet End Options		BOM
O	Open Suction	A1216
A	Agitator	A1217
C	Cutter	A1218

HDS 150M Wet End Materials of Construction		
Part	Standard Material	Optional Material
Impeller	A532 CL III Type A	A890-1B Gr. CD4MCu
Casing	A532 CL III Type A	A890-1B Gr. CD4MCu
Suction Liner	A532 CL III Type A	A890-1B Gr. CD4MCu
Motor Side Cover	A532 CL III Type A	A890-1B Gr. CD4MCu
Agitator	A532 CL III Type A	A890-1B Gr. CD4MCu
Stand	A536 Gr. 80-55-06	316 SS or Alloy 20
Shaft Adapter	17-4PH A564 Gr. 630	Alloy 20 or 2205
Shaft Extension	17-4PH A564 Gr. 630	Alloy 20 or 2205
Impeller Bolt	17-4PH A564 Gr. 630	Alloy 20 or 2205
Fasteners	316 SS	Alloy 20
Gaskets	Durlon 8500	Teflon
O-Rings	Buna	Viton

Motor Information										
Flange Mounted ▪ 15 min in Air Operation ▪ (2) Moisture Sensing Probes ▪ (2) Normally Closed Thermostats										
HP	30 (22 kW)		40 (30 kW)		40 (30 kW)		50 (37 kW)		60 (45 kW)	
RPM	870		880		1170		1165		1165	
Freq. (Hz)¹	60		60		60		60		60	
Frame	320TY		320TY		320TY		320TY		320TY	
Enclosure	TENV		TENV		TENV		TENV		TENV	
Insulation Class²	F		F		F		F		F	
Max Ambient Liquid Temp.³	40° C (104° F)		40° C (104° F)		40° C (104° F)		40° C (104° F)		40° C (104° F)	
Service Factor	1.15		1.15		1.15		1.15		1.15	
Voltage	460	575	460	575	460	575	460	575	460	575
FL Amps	42	33.6	56	44.8	53.3	42.6	67	53.6	76.9	61.5
LCK Amps	205	164	280	224	282	226	322	258	409	327