

Vulcan HDS Submersible Slurry Pump Data Sheet

Model: 200L

HDS 200L Pump Data	
Discharge Size	8" (200 mm)
Flange Rating	150# FF/ANSI B16.5
Impeller Dia.	14.76" (375 mm)
Min. Impeller Dia.	11.81" (300 mm)
Max Particle Size	1.58" (40 mm)
GA Drawing	A1423 / A1424

Wet End Options		BOM
O	Open Suction	A1198
A	Agitator	A1199
C	Cutter	A1200

HDS 200L 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	40 (30 kW)		50 (37 kW)		60 (45 kW)		75 (55 kW)		100 (75 kW)	
RPM	1170		1165		1165		1170		1170	
Freq. (Hz)¹	60		60		60		60		60	
Frame	320TY		320TY		320TY		360TYS		360TYS	
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	53.3	42.6	67	53.6	76.9	61.5	92	73.6	120	96
LCK Amps	282	226	322	258	409	327	534	427	703	562