

# Vulcan HDS Submersible Slurry Pump Data Sheet

## Model: 200M

HDS 200M Pump Data	
Discharge Size	8" (200 mm)
Flange Rating	150# FF/ANSI B16.5
Impeller Dia.	18.50" (470 mm)
Min. Impeller Dia.	14.80" (376 mm)
Max Particle Size	2.36" (60 mm)
GA Drawing	A1438 / A1439

Wet End Options		BOM
O	Open Suction	A1222
A	Agitator	A1223
C	Cutter	A1224

HDS 200M 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										
<b>HP</b>	75 (55 kW)		100 (75 kW)		125 (90 kW)		150 (112 kW)		200 (149 kW)	
<b>RPM</b>	1170		1170		1170		1170		1170	
<b>Freq. (Hz)<sup>1</sup></b>	60		60		60		60		60	
<b>Frame</b>	360TYS		360TYS		360TYS		L360TYS		440TYS	
<b>Enclosure</b>	TENV		TENV		TENV		TENV		TENV	
<b>Insulation Class<sup>2</sup></b>	F		F		F		F		F	
<b>Max Ambient Liquid Temp.<sup>3</sup></b>	40° C (104° F)		40° C (104° F)		40° C (104° F)		40° C (104° F)		40° C (104° F)	
<b>Service Factor</b>	1.15		1.15		1.15		1.15		1.15	
<b>Voltage</b>	460	575	460	575	460	575	460	575	460	575
<b>FL Amps</b>	92	73.6	120	96	148	118	180	144	234	187
<b>LCK Amps</b>	534	427	703	562	812	650	1097	878	1402	1122