

# Vulcan HDS Submersible Slurry Pump Data Sheet

## Model: 75M

HDS 75M Pump Data	
Discharge Size	3" (75 mm)
Flange Rating	150# FF/ANSI B16.5
Impeller Dia.	13.38" (340 mm)
Min. Impeller Dia.	10.71" (272 mm)
Max Particle Size	1.38" (35 mm)
GA Drawing	A1430

Wet End Options		BOM
O	Open Suction	A1204
A	Agitator	A1205
C	Cutter	A1206

HDS 75M 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>	15 (11 kW)		20 (15 kW)		25 (18.5 kW)		25 (18.5 kW)		30 (22 kW)		40 (30 kW)	
<b>RPM</b>	1160		1160		1160		1745		1745		1750	
<b>Freq. (Hz)<sup>1</sup></b>	60		60		60		60		60		60	
<b>Frame</b>	250T1		250T1		250T1		250T1		250T1		250T1	
<b>Enclosure</b>	TENV		TENV		TENV		TENV		TENV		TENV	
<b>Insulation Class<sup>2</sup></b>	F		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)		40° C (104° F)	
<b>Service Factor</b>	1.15		1.15		1.15		1.15		1.15		1.15	
<b>Voltage</b>	460	575	460	575	460	575	460	575	460	575	460	575
<b>FL Amps</b>	20.9	16.7	26.7	21.4	34.1	27.3	30	24	36	28.8	48	38.4
<b>LCK Amps</b>	112	89.6	140	112	185	148	165	132	193	154	286	229