



Keystone Submersible Slurry Pump Data Sheet

Model: HDS 200L / HCR / Motor Frame 360T

HDS 200L Pump Data	
Discharge Size	8" (200mm)
Flange Rating	150# F.F. /ANSI B16.5
Impeller Dia.	15.35" (390mm)
Min. Impeller Trim Dia.	11.81" (300mm)
Max Particle Size	1.58" (40mm)
Max Pressure	225 PSI (1551KPA)
Min. Casing Thickness	0.79" (20mm)
Casing Wear Allowance	0.35" (9mm)

HDS 200L Wet End Materials of Construction			
Part	ASTM Material	Part	ASTM Material
Impeller	A532 CL III Type A	Shaft Adapter	17-4PH A564 Gr.630
Casing	A532 CL III Type A	Shaft Extension	17-4PH A564 Gr.630
Suction Cover	A532 CL III Type A	Fasteners	316 SS
Agitator	A532 CL III Type A	Gaskets	Durlon® 8500 (eq.)
Stand	A536 Gr. 80-55-06	O-Ring	Buna

Electric Motor Information											
Flange mounted • 15 Minutes Operation in Air • 10 Stops & Starts/hr • (2) Moisture Sensing Probes • (2) Normally Closed Thermostats											
Horsepower	50 HP (37 KW)		60 HP (45 KW)		75 HP (56 KW)		75 HP (56 KW)		100 HP (75 KW)		
RPM	880		880		880		1170		1175		
Voltage ¹	460V or 575V		460V or 575V		460V or 575V		460V or 575V		460V or 575V		
Freq. (HZ) ²	60		60		60		60		60		
Motor Frame	360T		360T		360T		360T		360T		
Enclosure Type	TENV		TENV		TENV		TENV		TENV		
Insulation Class ³	F 155 °C (310°F)		F 155 °C (310°F)		F 155 °C (310°F)		F 155 °C (310°F)		F 155 °C (310°F)		
Max Continuous Temp. in Liquid ⁴	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		
Permitted Use	Class I, Div. 1, Group C&D		Class I, Div. 1, Group C&D		Class I, Div. 1, Group C&D		Class I, Div. 1, Group C&D		Class I, Div. 1, Group C&D		
Certification ^{5,6}	FM (USA, CDN)		FM (USA, CDN)		FM (USA, CDN)		FM (USA, CDN)		FM (USA, CDN)		
Start	D.O.L.		D.O.L.		D.O.L.		D.O.L.		D.O.L.		
Mechanical Seal	65 ft Depth	Run Dry Slurry Seal		Run Dry Slurry Seal		Run Dry Slurry Seal		Run Dry Slurry Seal		Run Dry Slurry Seal	
Bearings	Radial Bearing Thrust Bearing	Ball Brg. Ang. Ct. Brg. Greased for Life		Ball Brg. Ang. Ct. Brg. Greased for Life		Ball Brg. Ang. Ct. Brg. Greased for Life		Ball Brg. Ang. Ct. Brg. Greased for Life		Ball Brg. Ang. Ct. Brg. Greased for Life	
Lubrication											
Power & Control Cable Length ⁷	25 ft (7.6m)		25 ft (7.6m)		25 ft (7.6m)		25 ft (7.6m)		25 ft (7.6m)		
Voltage		460V	575V	460V	575V	460V	575V	460V	575V	460V	575V
FL. Amps	4/4	69	55	79	63	99	79	90	72	120	96
LCK. Amps		350	280	390	312	490	392	520	416	720	576
Efficiency	4/4	88	88	88.5	90	89	89	90	90	91	91
	3/4	87.5	87.5	88.5	90	89	89	90	90	90.5	90.5
	2/4	85	85	80.5	89	87	87	89	89	89.5	89.5
Power Factor	4/4	77.5	77.5	80.5	86.5	80	80	86.5	86.5	86	86
	3/4	72.5	72.5	76.5	84.5	75.5	75.5	84.5	84.5	83.5	83.5
	2/4	61.5	61.5	67	78	66	66	78	78	76.5	76.5
Torque	BD	205	205	200	200	200	200	200	200	200	200
%	LR	160	160	145	145	150	150	140	140	140	140

Motor Options	<ol style="list-style-type: none"> 380V, 400V & 475V Motors Available 50 Hz Frequency Available H 180°C (356°F) Insulation Class Available High Ambient Option Available • Cooling Water Jacket Available cFM_{USA} meets CSA electrical standards CSA-M421 Ground Conductor Monitoring Compliant Systems Available Up to 100 ft (30.5m) of Power & Control Cable Available Larger Submersible Motor Horsepower's Available
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