



15/20GDS

MOTOR AND APPLICATION DATA

MOTOR DATA

Model	HP	Phase	Volts	RPM	Maximum Amps	Insulation Class	Start Amps / Locked Rotor Amps	KVA Code	Full Load Motor Efficiency		
15GDS2G31H2D	3	1	230	3450	13.0	H	74.0	G	80.0		
15GDS2G31L2D					22.0		120.0	F			
15GDS2H31G3D	5.4				38.0		134.0	B	79.5		
20GDS2H31K3D					12.0		63.0	F	81.5		
20GDS2J31F1D	4				230		10.0	60.0		G	
20GDS2J31J1D					460		5.0	30.0		E	
15GDS4H21C2D		575	4.0		20.0		E				
15GDS4H31C2D		6	200		17.0		133.0	J	79.5		
15GDS4H41C2D	230		15.0		144.0		L				
15GDS4H51C2D	460		7.6		77.0		M				
15GDS4J21B3D	575		6.0		53.0		K				
15GDS4J31B3D	3		200		17.0		133.0	J			
15GDS4J41B3D			230		15.0		144.0	L			
15GDS4J51B3D			460		7.6		77.0	M			
20GDS4J21E3D			575		6.0		53.0	K			
20GDS4J31E3D			11		200		30.0	258.0		K	84.5
20GDS4J41E3D					230		26.0	229.0			
20GDS4J51E3D	460				13.0		113.0	J			
20GDS4K21A1D	575			11.0	84.0						
20GDS4K31A1D	200	30.0		258.0	K						
20GDS4K41A1D	230	26.0		229.0							
20GDS4K51A1D	460	13.0		113.0	J						
20GDS4K21D1D	575	11.0		84.0							
20GDS4K31D1D	200	30.0		258.0							
20GDS4K41D1D	230	26.0		229.0							
20GDS4K51D1D	460	13.0	113.0	K							
20GDS4K51D1D	575	11.0	84.0		J						

APPLICATION DATA

Maximum Solid Size	N/A
Minimum Casing Thickness	5/16"
Casing Corrosion Allowance	1/8"
Maximum Working Pressure	80 PSI
Maximum Submergence	65 feet
Minimum Submergence	Top of motor dome
Maximum Environmental Temperature	40°C (104°F) continuous operation

CONSTRUCTION DETAILS

Power Cable - Type	1Ø	14/6 - 3HP, 12/6 - 5.4HP, 8/6 - 9.4HP SUBCAB (Single Cable)
	3Ø	14/6 - 4HP, 12/6 - 6HP, 8/6 - 11HP SUBCAB (Single Cable)
Motor Housing	Gray Cast Iron - ASTM A48-Class 35B	
Bearing Housing	Gray Cast Iron - ASTM A48-Class 35B	
Seal Housing	Gray Cast Iron - ASTM A48-Class 35B	
Casing	Gray Cast Iron - ASTM A48-Class 35B	
Impeller	Gray Cast Iron - ASTM A48-Class 35B	
Motor Shaft	AISI 431 Stainless Steel	
Motor Design	Air filled, Permanently Lubricated, Class F Insulation	
Motor Overload Protection	Single and Three Phase require ambient compensated Class 10, quick-trip overloads in the control panel	
Float Leakage Sensor (FLS) (Seal Sensor)	Detects the presence of water in the stator chamber. Connect to a Leakage Sensor Detector Circuit containing a patented Mini CAS (Control and Status) monitoring unit mounted in the control panel.	
Motor Thermal Protection	Normally closed on-winding thermostats open at 260° F (125° C) and close at 158° F (70° C). Connect to patented Mini CAS in control panel.	
External Hardware	300 Series stainless steel	
Impeller Type	Semi-open with pump out vanes on back shroud	
Rotating Cutter	Two blades; chrome alloyed cast iron	
Cutter Ring	Hardened 316L Stainless Steel	

STANDARD PARTS

Ball Bearing - upper	Single row ball
Ball Bearing - lower	Double row angular contact ball
Mechanical Seals <i>(See Nomenclature page, 11th Character)</i>	Lower - Tungsten Carbide/Tungsten Carbide, Upper - Carbon/Ceramic
	Lower - Ceramic/Ceramic, Upper - Carbon/Ceramic
	Lower - Tungsten Carbide/Ceramic, Upper - Carbon/Ceramic
O-Ring - bearing housing	BUNA-N
O-Ring - motor housing	BUNA-N

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