



ITT

SUBMITTAL
A20GXS R2

Bell & Gossett

15/20GXS MOTOR AND APPLICATION DATA

MOTOR DATA

MODEL	HP	PHASE	VOLTS	RPM	MAX AMPS	SERVICE FACTOR	START AMPS	LOCKED ROTOR AMPS	KVA CODE	FULL LOAD MOTOR EFF.	
15GXS2G31H2D	2	1	230	3450	12.0	1.5	62.0	52.0	D	77.1	
15GXS2G31L2D					13.0						
15GXS2H31G3D	3				21.5	1.8	140.0	100.0	E	80.0	
20GXS2H31K3D					20.8						
20GXS2J31F1D	5			3430	30.0	1.88	205.0	170.0	D	79.5	
20GXS2J31J1D					34.2						
15GXS4H21C2D	3	3	200	3450	12.0	1.33	76.0	62.0	F	81.5	
15GXS4H31C2D			230		10.0		66.0	54.0			
15GXS4H41C2D			460		5.0		33.0	27.0			
15GXS4H51C2D			575		4.0		26.0	22.0			
15GXS4J21B3D	5		200	17.0	115.0	79.0	1.2	110.0		75.0	79.5
15GXS4J31B3D			230	15.0	110.0	75.0					
15GXS4J41B3D			460	7.6	60.0	41.0					
15GXS4J51B3D			575	6.0	44.0	30.0					
20GXS4J21E3D			200	17.0	115.0	79.0					
20GXS4J31E3D			230	15.0	110.0	75.0					
20GXS4J41E3D			460	7.6	60.0	41.0					
20GXS4J51E3D			575	6.0	44.0	30.0					
20GXS4K21A1D	7.5		200	3475	30.0	1.47	281.0	189.0	G	84.5	
20GXS4K31A1D			230		26.0		244.0	164.0			
20GXS4K41A1D			460		13.0		122.0	82.0			
20GXS4K51A1D			575		10.0		94.0	66.0			
20GXS4K21D1D			200		30.0		281.0	189.0			
20GXS4K31D1D			230		26.0		244.0	164.0			
20GXS4K41D1D			460		13.0		122.0	82.0			
20GXS4K51D1D			575		10.0		94.0	66.0			

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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	14/7 - 2HP, 12/7 - 3HP, 8/4 & 10/3 - 5HP SUBCAB (Single Cable)
	3Ø	14/7 - 3HP, 12/7 - 5HP, 8/4 & 10/3 - 7.5HP 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



Bell & Gossett

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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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