



MECHANICAL SEAL FOR LONG PUMP LIFE. 2. NEMA-STANDARD FRAME, PREMIUM EFFICIENCY MOTOR WITH TOTALLY-ENCLOSED, FAN-COOLED

CASE FOR SUPERIOR ENVIRONMENTAL PROTECTION.

3. ENERGY SAVING VARIABLE FREQUENCY DRIVE FEATURING INNOVATIVE RAIN BIRD PROGRAMMING; STATION WILL BE CONTROLLED VIA RELAY START INCLUDED STANDARD OR OPTIONAL FLOW START KIT.

4. 0-250 PSI STAINLESS STEEL PRESSURE TRANSDUCER REGULATES PRESSURE AT A USER-DEFINED SETPOINT WHILE IRRIGATING. 2 1/2" LIQUID GLYCERIN-FILLED SUCTION AND DISCHARGE PRESSURE GAUGES ARE STANDARD.

5. INCLUDES JUNCTION BOX WITH AUTO-OFF-MANUAL SWITCH AND 24 VAC PUMP START RELAY STANDARD; 12 OR 6 VDC PUMP START RELAY OPTIONS ARE AVAILABLE.

6. FUSED ELECTRICAL DISCONNECT INCLUDES EXTERNAL RUN AND FAULT INDICATOR LIGHTS AND DISCONNECT HANDLE FOR ISOLATING POWER TO THE STATION.

7. STATION IS BUILT USING ROBUST SCHEDULE 40 PIPING WITH HIGHLY DURABLE POLYESTER POWDER-COATING INSIDE AND OUT, AND GROOVED CONNECTIONS FOR EASY MAINTENANCE AND SERVICEABILITY.

8. FULL-PORT STAINLESS STEEL DISCHARGE ISOLATION VALVE STANDARD.

9. PUMP STATION IS CONTAINED IN A MARINE-GRADE ALUMINUM DECK AND ENCLOSURE WITH LOCKABLE HINGED LID, AND REMOVABLE FRONT PANEL FOR EASE OF MAINTENANCE.

10. EACH PUMP STATION IS FACTORY TESTED UNDER DYNAMIC CONDITIONS BEFORE SHIPPING.

Quote Number: CLP004815 Quote Valid Thru: ~406~ Quote Date: 10-17-2024 **Technical Specification** Project: Willcox School Booster - Willcox AZ

208VAC x3-Phase

Site Dynamic Water Pressure or Lift	50 PSI	Pressure shown on the water supply while plumbing fixture is drawing water.					
Boost Pressure (PSI)	40	Pressure pump station is required to add to the Site Dynamic Water Pressure.					
Discharge Pressure (PSI)	90	Total pressure at pump station discharge (Dynamic Inlet plus Boost).					
Max Flow Rate (GPM)	85	Flow rate station is designed to achieve					
Min Flow Rate (GPM)	34	Minimum flow rate the station is required to produce at a stable level					
Estimated FLA (Amps)	25	Full Load Amperage the station will draw at any point during its operation					
Horsepower (HP)	05	Rated horsepower of the pump					
Quantity	1	Number of stations purchased					
Pump Model Number	CLP05EAC5						
Included Options	Description						
Environmental Enclosure	Marine Grade Aluminum						
Start Method	Flow Start						
Bladder Tank	None						
PLC	VFD Only						
Pump Start Relay	24VAC Pump Start Relay						
Surge Arrestor	None						
Flow Switch	CLP Flow Start Kit						
Diamlass	LCD Display						

Power (verified by contractor) that will be available on-site to run the pump

8	Surge	ge Arrestor None								
F	Flow	Switch	CLP Flow Start Kit							
	Displa	ay	LCD Display	LCD Display						
N	MCA		Not Included	Not Included						
5	Start	Up	One day of start-up and training	One day of start-up and training assistance by a Rain Bird Authorized Service Provider						
lech	hani	cal Features								
•		Schedule 40 steel coated.	pipe fusion-bonded polyester powder	6						
2	2 L	iquid filled suction	n & discharge pressure gauge	7	3 inch Flanged Suction					
	3 8	Stainless Steel Pre	essure Transducer	8	3 inch Flanged Discharge					
4	4 P	ump Isolation Val	ves	9	Horizontal single stage pump					
	5 🗸	FD Started Motor		10						
Z	Zee P	Pipes/Adapters	3" Flange Adapter, 3" Flange Adapter,							
F	Filter									
lect	trica	I Features								
1	1 A	larm indicator ligh	t, externally mounted red light.	6	Low/High Pressure Alarm					
2	2 N	NEMA 3R Auto-Off-Manual switch.			Pipe Break Alarm					
3	3 \	/ariable Frequenc	y Drive	8	Pressure Transducer Alarm					
_ 4	4 [Deadhead fault ala	arm	9	VFD Fault Alarm with Restart					
	5 E	Electrical Overload Shutdown & Restart								

phone: 520.806.5620 ·

Page 2 of 4

NOTICE:	UNLESS OTHERWISE SPECIFIED:		DRAWN	DATE 05/07/2019	<i>44</i>	PROJ. NAME		
THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETAR DESIGN ORIGINATED BY RAIN BIRD CORPORATION, ALL	FRACTIONAL		DESIGNED IB	DATE 05/07/2019	RAIN BIRD. SYSTEMS MFG. DIV.	N/A		
DESIGN, MANUFACTURING, USE AND SALE RIGHTS RE- GARDING THE SAMEARE EXPRESSLY RESERVED. IT IS	DRILLED :	± 1/32"	SCALE 1:12		TUCSON, ARIZONA	PROJ. NO. N/A	IDRAWING NUMBER	
SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED			DO NOT SCALE DRAWING LAST MODIFIED IN VERSION: SolidWorks 2017		CLP, 5HP CLP05EAC		STANDARD	-
PERSON, OR TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURE UNIQUE TO THIS DESIGN, ALL PATENT	SANY						PART NO. SHEET 3 OF 3	REV