



Dayton booster pump manual

CLICK HERE High Pressure Vertical Multistage Centrifugal Pumps CLICK HERE Energy Efficient Pumps CLICK HERE Diaphragm & amp; Peristaltic Metering Pumps CLICK HERE Diaphragm & CLICK HE To Click Pump Booster Here Click Centrifugal Pumps Click Here To Click Centrifugal Multistage Pumps 765 Freedom Lane West Carrollton, Ohio 45449 1 Dayton Operating Instructions, Performance Specifications and Components Guide Models: 5NXZ1A via 5NXZ9A; 5NYC0A via 5NYA9A please read this operating manual carefully before starting to assemble, install, operate or maintain the product. Following all safety information can protect yourself and others. Please make sure you follow the instructions for future reference. Dayton Multi-Stage Pressure Booster Pump Describes Dayton Multi-Stage Pressure Booster Pumps designed to increase water pressure from the city's main or private water systems; Use with bright, non-abrasive non-flammable liquids compatible with makeup pump materials. These pumps are suitable for pumping water from systemes, tanks, or ponds, with suction lifts of up to 10 feet (with a foot valve and a fully water-filled pump suction tube, as shown in Figure 10 on Page 8). Applications include providing high water pressure for washing or spraying and insecticide spraying. Stainless steel models can handle contaminated water in reverse osmosis filters and other aggressive uses of water. Single-phase models are equipped with capsule starter, capsule implementation, thermally protected motor. Three-phase models feature cast iron drain & amp; suction coating; Stainless Steel Models feature stainless steel discharge & amp; suction casing. SPECIFICATIONS Butterfly Type Package Maximum pressure case .300 PSI Max. Viscosity fluid .50 SSU type seal.mechanical type 21 max. Liquid Temp F Motor Environment Temp. Rating.. 65 C gallon/min performance in increasing pressure in PSI + maximum pressure model HP step enhancing PSI 5NXZ1A 1/NXZ2A, 5NYA9A 1/NXZ3A, 5NXZ4A 3/NYC0A, 5NXZ6A 3/NXZ7A, 5NXZ6A 3/NXZ7A, 5NXZ8A 5NYC2A, 5NYC2A Operating Instructions, Performance Specifications and 5 الدل هاى راهنما: NXZ9A; 5NYC0A thru 5NYC9A 5NYA0A 1 1/ NYC4A, 5NYC5A 5NYA0A thru 5NYA9A Dayton Multi-Stage Pressure Boost in PSI + Max Model HP Stage Pressure Boost PSI 5NXZ9A; 5NYA0A 1 1/ NYC4A, 5NYC5A 5NYA1A, 5NYA2A NYA3A, 5NYA4A NYC6A, 5NYC7A 5NYA5A, 5NYA6A NYA7A, 5NYA8A 5NYC8A, 5NYC9A (+) To convert to feet of head, multiply by Specifications Standard Models HP Stage 60Hz Amp Type Enclosure RPM Frame PH 5NXZ1A -- 1/ / /3.1 CS/CR ODP J 1 5NXZ2A 5NYA9A 1/ / /3.9 CS/CR ODP J 1 5NXZ3A 5NYC0A 3/ / /5.3 CS/CR ODP J 1 5NXZ4A 5NYC1A 3/ / /1.75 3PH ODP J 3 5NXZ5A -- 3/ / /5.4 CS/CR ODP J 1 5NXZ6A -- 3/ / /1.9 3PH ODP J 3 5NXZ7A 5NYC2A / /8.4 CS/CR ODP J 1 5NXZ8A 5NYC3A / /2.25 3PH ODP J 3 5NXZ9A 5NYC4A 1-1/ / /9.25 CS/CR ODP J 1 5NYA0A 5NYC5A 1-1/ / /2.85 3PH ODP J 3 5NYA1A /230 25/12.5 CS/CR ODP J 1 5NYA2A / /3.9 3PH ODP J 3 5NYA3A 5NYC6A /230 25/12.5 CS/CR ODP J 1 5NYA4A 5NYC7A / /3.9 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / /4. without notice, see label on driver for actual specifications. 2 3 Dayton Operating Instructions, Performance Specifications and Parts Manuals Models Stainless Dimensions (in inches) Models A B C D E F G H I J 5NXZ1A /4 3 3/4 10 3/16 3 7/8 6 1/2 20 7/ /16 3/4 3/4 5NXZ2A 5NYA9A 3 1/4 3 3/4 13 3/8 3 7/8 6 1/2 24 1/ 1/16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 28 1/ 1/16 3/4 3/4 5NXZ6A /4 3 3/4 16 1/2 3 7/8 6 1/2 28 1/ 1/16 3/4 3/4 5NXZ6A /4 3 3/4 16 1/2 3 7/8 6 1/2 28 1/ 1/16 3/4 3/4 5NXZ6A /4 3 3/4 16 5/16 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NXZ8A 5NYC3A 3 1/4 3 3/4 16 5/16 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 5NYC5A 3 1/4 1/4 3 3/4 15 3/8 3 7/8 6 1/2 26 5/8 9 1/2 1 7/ NYA6A /4 3 3/4 15 1/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 18 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 18 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 18 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 18 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 18 1/2 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA6A /4 3 3/4 18 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H Inlet I Discharge J D G A F C B E Figure 2- Dimensions 3 4 Dayton Operating Instructions, Performance Specifications and Parts Manuals Models: 5NXZ1A thru 5NXZ9A; 5NYC0A 5 ديتون فشار چند مرحله اى تقويت كننده پمپ مواد ساخت و ساز جزء مدل هاى استاندارد NYA9A 5 از طريق 5 NYA0A 5 ديتون فشار چند مرحله اى تقويت كننده پمپ مواد ساخت و ساز جزء مدل هاى استاندارد A F C B E Figure 2- Dimensions 3 4 Dayton Operating Instructions, Performance Specifications and Parts Manuals Models: 5NXZ1A thru 5NXZ9A; 5NYC0A 5 56J Face Rear Access- Nema 56J Face Bearing Ball Ball, Ball Permanently Flowing, Constantly Flowing Butterfly Noril Diffuser Plates POM POM Pump Shaft 430 Stainless Steel 430 Stainless Steel Pump Shaft Pair 304 Stainless Steel 304 Stainless Steel A30 Stainless Steel Pump Shaft Pair 304 Stainless Steel 304 Stainless Steel A30 Stainless Steel Pump Shaft Pair 304 Stainless Steel 304 Stainless Steel 304 Stainless Steel Pump Shaft 430 Stainless Steel A30 Stainless St Cast Iron 304 Stainless Steel O Ring Buna-N Viton Seal Carbon Compound - Ceramic, SS304 spring and Buna-N Carbon-Silicon Carbide, SS304 spring and Viton Motor end shield provided as an accessory. If the pump is installed in a vertical position, the end bumper provided with the pump can be mounted on the bell at the end of the engine. This will help to prevent water from getting inside the engine, and shorten the engine/pump life. (POM) Open polystal when opening the unit, inspecting for any damage that may have occurred during the shipment. Check for loose, missing or damaged parts of public safety information 1. Know the pump program, limitations and potential risks. Explosion dangers! Do not use flammable or explosive liquids such as gasoline, fuel oil and white oil, etc. Do not use flammable or explosive atmospheres. Failure to comply with this can cause accidents. Caution suggests a potentially dangerous situation, which, if not avoided, may lead to minor or moderate damage. The danger represents an imminently dangerous situation that, if not avoided, will lead to death or cerus damage. 2. Check and make sure the power source meets the requirements of your equipment. 3. Adequate protection and protection around moving parts. 4. When wiring driven electric pumps, follow all electrical and safety codes, as well as the U.S. National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA). 5. All wiring must be carried out by a qualified electricle. 6. Ground motor before connecting to the engine. 8. Personal safety: a. Keep the work area clean, without sloppy and properly clear replacing all used tools and equipment. b. Keep visitors within safe distance of the work area. C. Keep children away from work. D- Wear gogg glasses at all times when pumping dangerous chemicals. 9- Keep fingers and foreign objects away from pump ventilation and motors and other openings. Don't put any objects in the engine. 4 5 Dayton Operating Instructions, Performance Specifications and Components Manual Model: 5NXZ1A via 5NYA9A 10. Do not touch the engine when it is operating. Modern engines are designed to operate at high temperatures. Don't touch or handle the engine with wet hands, or when standing in 11. Disconnect power before servicing. Failure to do so can lead to a fatal electric shock. 12. Secure the discharge line before starting the pump. Pump discharge lines are not recommended for use with these pumps due to the high pressure they can produce. The discharge line is unsafe whipping, possibly causing personal injury and/or property damage or holes. electric shock risk . This pump has not been examined for use in pool areas. Pre-install handling 1. Use the handle to lift the pump. 2. Avoid hitting the pump or engine. In particular, avoid impact to drain the end of the pump or cover access to the rear engine. 1st place. Place the pump as close to the fluid source as possible and keep the suction pipe as short as possible. 2. Place units where pumps and plumbing are protected from weather and extremes of heat, humidity and below freezing temperatures. 3. The mountain unit is in a dry place that is easily accessible for inspection and maintenance. If a dry place is not available, mount it on a ped stand well above the wet floor. 4. Allow adequate clearance around units for outdoor circulation. Suction lift varies depending on height (height) and water temperature. Plumbing 1. Use galvanized piping, rigid plastic or other suitable pipes that will not collapse due to pressure under suction or rupture. If you use a hose, make sure this type of industry is strengthened, which has a higher rating than the pressure of shutting down the system. The typical hose will fall and starve the water pump that may damage the pump or system. 2- The diameter of the suction and discharge pipe should not be smaller than the pump capacity. Increase the size of the pipe in long runs. 3. Avoid air pockets in suction piping or accumulate air at high points, making priming difficult. No Sags Sag s A I I o w A i r Po ck et s If Air Pockets Form, Water Won't Flow Figure 3 4. Use tube combinations on all joints and fittings. Use tube combinations on all joints and fittings. Use tube combinations on all joints and fittings. combining common plastic damage: the whole system must have air and tight water for efficient, safe and proper operation. Installing an important installation pump: the pump is made to handle clear water only; Soluble cleaning agents, such as detergents, may be mixed with water supply when pumps are used Cleaning applications. Note: The pump mount is in the correct position or the resulting pump failure (see Figure 5). 5 6 Dayton Operating Instructions, Performance Specifications and Components Guide Model: 5NXZ9A; Refer to figures 7, 8, 9 and 10 on page 7 and 8 for conventional installations. Supports pumps and plumbing during assembly and when installed. Failure to do so may cause plumbing break, pump to failure, engine bearing failure, etc. 2. If the pump is used as part of a permanent installation, screw into a rigid base. Only the use of plumbing and system components that are rated for pressure pumps can produce maximum when used in reinforcement systems or any other system. Do not exceed the maximum total pressure increase. Pressure Boosting Systems 1. On pressure amplifying systems, find the pump so that there will always be a positive source of water to the pump (see Figures 7, 8 and 9). 2. For service convenience, install gate/ball valve and union in suction and drain line. Use a Globe valve or other type of valve limiter that will seriously limit the discharge capacity of the pumps. 3. Install the check valve as shown in Figure 7. Be sure to check the flash point flow valve in the direction of the pump (see Figure 8). Note: For heavy amounts of sediment, install a trap filter on the inlet side of the pump (see Figure 6). Standard pressure tank-42 gallons long or larger incoming sand settles into the om-shaped boot 6 note: the pressure gauge mounted before and after the pressure gauge mounted before and af enough water is being supplied to the pump. See Operations-Priming, Pressure Boosting Facility. 6. In a facility that uses nozzles for spraying fish, install filters in drain plumbing to prevent becoming nozzles. Multiple filters must be piped in parallel. The installation of the suction lift applies the following when pumping from wells, cithren, pond or cleaning solution container (see Figure 10 on page 8). 1. Installation of three-way service with pipe plug in pump discharge port for initial priming. 2. The suction line. This prime retains and filters the residue. Output 4. Install vacuum gauges in inlet tubes, close to the suction port. Important: The gauge should never read more than ten inches of vacuum or seal failure will result. 6 7 Dayton Operating Instructions, Performance Specifications and Components Guide Model: 5NXZ1A 5NXZ9A, 5NYC0A via 5NYC0A, 5NYC0A via 5NYC0 pressure tank properly, match the supply street reducing the tank to the pump capacity (min). Check the gate valve/ball valve for manual removal operation (normally open) main power box pressure tank and pressure switch. Gate/Ball Valve wire motor direct to fuse box, switch through (normally open) pressure tank on/off. Barometer check valve installs three

union fuse boxes or switch union pressure relief valves in all installations. The pressure pump output pressure switch of the system's over-pressure gauge. Over pressure can lead to personal injury or property damage. Figure 7 Draining valve is an important pressure relief: The air pressure tank contains and the pressure switch is required to keep the pump from cycling fast and prevent the engine from heating over. Install the tank and switch on the home side of the system. size of the pressure tank properly, match the tank reduction to the pump capacity (min). Remove the pressure relief valve on all installations. Pump pressure may exceed the maximum working pressure of the system and a pressure relief valve will provide a safe means of relieving additional system pressure can lead to personal injury or property damage. Check the pressure switch from water source gate/ball valve (normally open) to Nozzles to drain Figure 8 Note: Install solenoid valves on the pump's discharge side. (Optional) Important: Clean all filters and filters in a regular schedule. 7 8 Dayton Operating Instructions, Performance Specifications and Components Guide Model: 5NXZ9A; 5NYC0A via 5NYA9A Dayton Multi-Stage Pressure Booster Pump Mounting) Installation of Pressure Relief Valve on all installations. Pump pressure may exceed the maximum working pressure of the system and a pressure relief valve will provide a safe means of relieving additional system pressure can lead to personal injury or property damage. Pumps used to increase input pressure from wall hydrants (manual operation). High Pressure Hydrant Wall Reinforcement Hose Pressure Gauge Adapter Service Tee Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Pump Used in Suction Lift 10 ft) Union Vacuum Gauge Tube Plug Service Tee Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Pump Used in Suction Lift 10 ft) Union Vacuum Gauge Tube Plug Service Tee Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Pump Used in Suction Lift 10 ft) Union Vacuum Gauge Tube Plug Service Tee Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief Valve Valve Outlet Adapter Figure 9 High Pressure Relief potentially wet places. The engine is designed to be used in a clean dry place with access to adequate supply of cooling air. The ambient temperature of the engine must be protected by a cover that does not block airfly to and around the engine. The unit is not weatherproof nor able to sink into water or any other liquid. 5- If possible, connect the pump to a separate branch circuit with no other application on it. If figure 10 foot valve with St r ai n er wiring engine is a different chart than the graph shown below, follow the chart on the engine. The proper rotation of the pump propeller is on three critical phase motors. See engine rotation under operations section and Figure 13. Wiring 1. Install, land, wire and maintain this pump in accordance with your local power code and all other codes and commands that apply. Consult your local building inspector for local code information. 2. Ground pump is permanently powered using wires of size and type specified by the local or U.S. National Code. Line. Nozzle Spray Important: Make sure the screen strains with dirt and debris that blocks water flow and does not block pump damage. Will Land supply gas 8 9 Dayton operating instructions, performance specifications and components manual models: 5NXZ1A via 5NXZ9A, 5NYC0A via 5NYC0A, 5NYA0A through installation 5NYA9A (continued) 3. First, connect the ground wire. First connect to the ground, then connect to the green ground terminal provided on the engine frame. A ground connect to the electrical power supply until the unit is permanently ground; Otherwise the risk of serious or fatal electric shock may be caused. 4. Connect the other end of the ground wire to a properly ground service panel or to control the ground bar panel if it is connected to the ground power supply. Important: Local reviews and/or U.S. National Electrical Codes for appropriate grounding information. Make sure the power supply matches the electrical specifications of the engine supplied. See profile charts. 5. Specific wiring method (see Figure 11, 12). Low Voltage Blue White 4 High Voltage White 3 Line 1 2 Blue 1 Line 2 4 Line 1 Line the wiring of the engine must be changed to comply with its specific required voltage then the engine, pressure switch or other controls must re-wiring to match one of the wiring diagrams (either 115V or 230V, single-phase; 230V or 460V, three phases). The 5NYA5A, 5NYA8A and 5NYC8A models are single-phase, 230V and cannot be wired for the 115V service. D. Engine The charts are figure 11, 12 and are also on the pump engine label. 6- Take the rear access cover of the engine. High voltage L1 T1 L2 T4 3HP 230V 1PH replaces rear access coverage before starting or operating pump. Failure to do so can lead to personal injury. Important: Do not use suffix wires or spllis wires. Joints must be made in a verified junction box. If the above information or the following wiring diagrams are confusing, consult a licensed electric cleaner. 8. Not all units are supplied with wires, pressure switches, or the like (control devices). Wiring and controls must be purchased separately and must be connected to them for each instruction provided. Motor protection of all singlephase motors is built in thermal protection for all voltages. Over load protects the engine against burnout from low voltage over load, high voltage and other causes. The device is automated and automatically reset when the temperature has dropped to a safe spot. Frequent overplowing of the over-load device indicates trouble in motor or power lines, and urgent attention is needed. Low Voltage High Voltage 1/3-3/4HP V 1PH T4 T5 T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE 1 LINE 2 LINE 1 LINE 1 LINE 2 LINE 1 ST T6 T7 T8 T1 T1 T2 T3 LINE 1 LINE Lines. Figure 12 1/3-3HP V 3PH 7. Change wiring and replace the rear access coverage. Never check, make wiring changes or touch the electrical circuit and the system may still be alive or with energy power. 9 10 Dayton Operating Instructions, Performance Specifications and Components Guide Models: 5NXZ1A via 5NXZ9A; 5NYC0A via 5NYC9A 5NYA0A through 5NYA9A Dayton multi-stage pressure mounting pump booster (continuing) does not have three phase engines built in thermal protection. It is recommended that a magnetic or manual starter of the right size (both with suitable size heaters) be used with all three phase engines. Install starters to follow the instructions provided from the starter manufacturer. See the rotation of the engine under the operation section to change the rotation of the engines. All engines (single and three phases) must be equipped with a properly fuse cut switch to provide protection. Consult local or U.S. national electrical codes for proper fuse protection based on engine data charts (see specifications and minimum wire size charts). The operation. Do not run dry, or against closed discharge. Do not pump dirty water or abrasive liquids. To do this will cause the pump to fail and the warranty will be void. Suction valves should be opened in full position and drain valve To be partially open, allowing some back pressure to apply against the pump at launch. The open valve is completed after you start working. PRIMING NOTE: BEFORE STARTING THE PUMP IT IS ABSOLUTELY NECESSARY THAT BOTH THE PUMP AND THE SUCTION PIPE ARE FULLY FILLED WITH WATER. PRESSURE BOOST INSTALLATIONS Priming is automatic when pump is connected to a pressure source such as a hydrant or city main (See Figure 7, 8 & amp; 9 on page 7 and 8). 1. Open the valves or nozzle in the suction and drain the pump side. 2. To eliminate trapped air, allows the water supply to run at least 30 seconds before starting the pump. Important: Adequate flow of water going to the pump is required so that the pump impellers and the dry shaft seals do not run and fail. 3. If you install the barometer in the pump inlet, a reading of at least 2 psi should indicate whenever the pump is in operation (see figures 7, 8 & amp; 9 on page 7 and 8). This reading ensures that there is sufficient supply of water to the housing inside the pump. Installing suction lifts in suction lifts in suction lift applications (see Figure 10 on page 8) is the first unit as follows: 1. Remove the priming plug from three-way service (with unsserved pumps) and fill pumps and suction tubes with water. 2. Jog pump engine uses power on and off several times to release air trapped inside the pump. 3- After running the pump, re-fill with water and repeat the priming sequence several times to make sure all the air is out of the pump water. If not, repeat the sequence above. Note: At the first use of the pump, it may be necessary to re-prime units three (3) or four (4) times before all air is suctioned out of the pipe. 5. Vacuum gauge installed in incoming tubes should never read more than 10 inches of vacuum. Otherwise the pump failure may result (see Figure 10 on page 8). Engine Rotation 1. Single phase one (1) rotation models are only (clockwise when facing the end of the engine) and cannot be reversed. 2. Proper rotation of pump propeller for critical phase 3 pumps. The pump motor must turn on clockwise (CW) when ahead of the engine is suitable for checking the rotation. To change the rotation on three phase units, both (2) input lines (power) lead to substitutions. Fig 13 Note: See the rotation arrow on the rotation label. The setup method when the previous instructions are finished, the pump can be started. 1. During the first few hours of operation, plumbing and any auxiliary equipment used in connection with the unit. 2. Check for leakage, excessive vibration or unusual sounds. 10 11 Dayton Operating Instructions, Performance Specifications and Components Guide Model: 5NXZ1A via 5NXZ9A, 5NYC0A via 5NYC0A, 5NYC0A via 5NYC0A, 5NYA0A through Maintenance 5NYA9A Cut off power supply and depressed system before servicing the pump or Each component. The routine pump should be checked normally for proper operation. Replace or clean all line filters and filters regularly. The discharge of this pump cannot be completely drained due to the interior design. Most of the liquid can be drained by displacing the discharge casting; Or the liquid can be drained through the suction port. Store in heated areas. Cleaning if used for spraying insecticides, the pump should be completely flooded with clean water after use. Pump engine lubrication has pre-lubricated bearings. There is no need for lubrication. Servicing three-phase thread lock unit is used in yarn between motor shaft and pump shaft coupling. When re-collecting, re-work the yarn lock. PUMP DISASSEMBLY NOTE: For pump disassembly, refer to replacement parts illustrations (See Figures 16 & amp;17 on page 14& amp;15). 1. To stabilize the pump when disassembly, place the wood block under the pump barrel. 2. Thread pipe wrench, remove discharge head (Ref.No.5), ccw conversion (anti-clockwise). 4. With wrench strap, loose barrel (Ref.No.4), CCW conversion (counter-clock wise). Do not use pipe wrenches in pump barrels. 5. Keep the propeller stack in place, pump the position, the unit standing on the cover of the engine. 6. Use 1/4 dowel rod is specified to indicate the orientation of the cartridge/propeller stack (as such as the end of the engine and the end of the drain). Reverse installation will reduce the flow and damage the pump cartridge assembly. 7. Slide steps or assemble cartridges off pump shafts on dowel rod 1/4. Place the steps on the bar and carefully set aside. Note: There may be some small shim washers located next to pump shaft couplings. Hold these shims to re-collect. 8. Through the opening of the side of the mounting frame (Ref.No.8), keep the engine using a 3/8 wrench on the hexey-shaped pump shaft. Note: If the Hexey shaft comes free, leave the pair attached to the engine, use vise grips to release the pairing. Mechanical Seal Replacement 1. Follow the instructions below disassembly (carbon ring, bona-n washer and spring will slide easily from the end of the shaft). b. Valve of ceramic seals and rubber gaskets from the closure of the mounting ring (see Figure 14). Figure 14 detailed faces lapped from the mechanical seal are easily damaged. Handle the seal face (ceramic & amp; carbon) is nicked, scraped or dirty. dont touch the seal face . Acids in oils on the skin can be damaged as seals. Use gloves to handle the seal Mount the ring seal cavity and clean the engine thoroughly. 4. Wet edge outside rubber cup on ceramic chair with liquid soap solution. Use scattered (only one drop). Note: Liquid soap solution. Use scattered (only one drop). Note: Liquid soap solution. Use scattered (only one drop). The polished face of the ceramic chair is high. If the seal did not sit properly, remove, put the seal face on the bench. clean the hole again . The seal must now sit properly. 6. If the seal does not sit properly after re-cleaning the cavity, place a cardboard wash machine over the face of the polished seal and carefully press into place using a piece of standard clean 3/4 pipe as a press (see Figure 15 on page 12). Sticky: The face is not a scratch seal. 11 12 Dayton Operating Instructions, Performance Specifications and Components Guide Models: 5NXZ9A; 5NYC0A via 5NYA9A Dayton Multi-Stage Pressure Booster Pump Shape Disposal Cardboard Wash and Recheck Face Seal make sure it is free of soil, external particles, scratches and grease. 8. Inspect the shaft to make sure it is nicks and scratches and attaches the mounting frame to the engine. 9. Use liquid soap solution sporadically (one drop is enough) to rotate the diameter inside the organ rubber. 10. Slide rotating the seal organ (low carbon face towards the ceramic face) and spring over the shaft. Sticky: Whether Nick or scratch the face of the carbon seal when touching. Motor replacement motors can be replaced with any standard Nema 56J jet pump engine (from printers suitable for each pump) referring to the following instructions. 1. Follow the steps as specified below the rotary seal replacement and disassembly pump. 2. Remove the cap screw that connects the engine to the mounting loop and drag the engine away. 3. Replace the engine with four (4) screw caps into a 25N.M (222lbs.in) tour). Important: Since damage to the shaft seal can occur in disassembly, a new seal will be necessary. REASSEMBLY PUMP BEFORE REASSEMBLY PUMP, CAREFULLY INSPECTING PARTS OF THE CARTRIDGE ASSEMBLY COMPONENT (STAGE), FOLLOWING DAMAGE, ABRASION OR HEAT DISTORTION. Pay close attention to the distance to the parts, and the location of the shim. See figure 19 for proper face-to-face and makeup of the pieces. If damage to stage components is evident, a full cartridge assembly or individual stage are available for replacement (see alternative part list). 1. Reassembly should follow the reverse order of the method disassembly with special care given to replace the double seal. 2. Check up and down the O ring for damage. It is recommended to use the new O loop. 3. Do not use common pipe composition or PTFE strip in barrel yarn. O rings will prevent pump leakage. 4. After the pump is Tighten the drain head into a 45N turk. M (400lbs.in) per unit. If the wrinkle wrench is not available, tighten tightly but avoid distortion or damage to the internal parts of the plastic. 5. After re-collecting, apply instantaneous power to units (15 to 30 seconds). Pumps and motors must rotate freely or by rubbing light. 12 13 Dayton operating instructions, performance specifications and manual parts troubleshooting chart cause mark may(s) corrective action motor start or run at full speed 1. Blown fuse or open circuit breaker 2. Power supply in OFF position 3. Incorrect voltage in the engine (check voltage with running engine) 4. Loose, broken or incorrect wiring 5. Faulty engine 6. Hydraulic components of the blocked/worn/damaged pump 1. Replace the fuse or close the circuit breaker. 2. Turn on power in 3. Low voltage a. Voltage must be ± 10% of the voltage of motion score. Check the input voltage, contact the B. Power Company to make sure that the voltage of the engine is in accordance with the voltage of the power supply. C - Check the wire size of the main switch to the pump. 4. Rewire any incorrect circuit. Tighten connections, replace faulty 5 wires. Alternative Engine 6. Replace the worn parts or the whole pump. Clean the parts if needed. The pump operates, but delivers little or no water 1. Manual valve or solenoid plumbing to system 6. Insufficient foot valve, defective or attached an/or strainer 7. Worn or defective pump parts or plugged butterfly 8. Suction lift too big 9. Pump 10 has not begun. The foot valve is not completely dieduced in water 11. Incorrect rotation, engine running back 1. Ali. Check all valves on the pump. b. Bleeding air trapped in the pump that keeps water from reaching the pump. (Normally drained due to closed milk in plumbing) 2. Check all filters in line to make sure they are not connected or restricted. 3- See the corrective operation of the low voltage (high) 4. Small plumbing alternative 5. Make sure communication is tight. Repair leakage if necessary 6. Clean, repair or replace as needed 7. Replace the worn parts or the whole pump. Clean parts if needed 8. Lower/Short Pump Tube 9. Prime pump - The pump pulls a special suction pipe tightly and the pump is not secured to the foundation of the company 2. Plumbing does not support 3. Suction Line Limited 4. Cavity (noise like marble in the pump) 5. Worn Engine Bearings 1. Worn mechanical seal (leakage in shaft) 2. Worn/torn gaskets 1. Safe correctly 2. Make the necessary adjustments 3. Clean or true 4. Ali. Open Valves B. Increase inlet Tubes ... alug yau number of the pump) 5. Worn Engine Bearings 1. Worn mechanical seal (leakage in shaft) 2. Worn/torn gaskets 1. Safe correctly 2. Make the necessary adjustments 3. Clean or true 4. Ali. Open Valves B. Increase inlet Tubes ... alug yau number of the pump) 5. Worn Engine Bearings 1. Worn/torn gaskets 1. Safe correctly 2. Make the necessary adjustments 3. Clean or true 4. Ali. Open Valves B. Increase inlet Tubes ... alug yau number of the pump) 5. Worn Engine Bearings 1. Worn mechanical seal (leakage in shaft) 2. Worn/torn gaskets 1. Safe correctly 2. Make the necessary adjustments 3. Clean or true 4. Ali. Open Valves B. Increase inlet Tubes ... alug yau number of the pump) 5. Worn Engine Bearings 1. Worn mechanical seal (leakage in shaft) 2. Worn/torn gaskets 1. Safe correctly 2. Make the necessary adjustments 3. Clean or true 4. Ali. Open Valves B. Increase inlet Tubes ... alug yau number of the pump) 5. Worn Engine Bearings 1. Worn mechanical seal (leakage in shaft) 2. Worn/torn gaskets 1. Safe correctly 2. Make the necessary adjustments 3. Clean or true 4. Ali. Open Valves B. Increase inlet Tubes ... alug yau number of the pump - NXZ9A; 5NYC0A thru 5NYA9A For Repair Parts, call hours a day 365 days a year Please provide following information: رطريق 5 بايگزين ياتاقان يا موتور 1. جايگزين شفت (دوار) مهر و موم 2. جايگزين شفت (دوار) مهر و موم 2. جايگزين واشر 13 14 ديتون دستورالعمل عامل, مشخصات عملكرد و قطعات مدل هاى راهنما: 5 NXZ9A; 5NYC0A thru 5NYC9A 5NYA0A thru 5NYC9A 5NYC0A thru 5NYC9A 5NY Model number -Serial number (if any) -Part description and number as shown in parts list & amp; Figure 16 Repair parts for illustration For Standard Booster models Repair Parts No. براى مدل پمپ Ref. ن. Description 1/3HP 8 Stage 5NXZ1A 1/2HP 12 Stage 5NXZ3A, 5NXZ4A 3/4HP 16 Stage 5NXZ5A, 5NXZ6A 1HP 14 Stage 5NXZ7A, 5NXZ8A Qty. 1 Motor 1PH PPTNXZ11GG PPTNXZ31GG PPTNXZ31GF PPTNXZ23G PPTNXZ53G PPTNXZ73G 1 5 Discharge Head PPTNXZ03G PPTNXZ03G PPTNXZ03G PPTNXZ03G PPTNXZ03G PPTNXZ03G PPTNXZ03G PPTNXZ02G PPTNXZ03G PPTNXZ02G PPTNXZ03G PPTNXZ02G PPTNXZ03G P Washer PPTNXZ04G PPTNXZ04G PPTNXZ04G PPTNXZ04G PPTNXZ04G 4 10 Screw PPTNXZ05G PPTNXZ05G PPTNXZ05G PPTNXZ05G 4 (\*) Cartridge assembly includes shaft and coupling, stage components , o-ring. 14 15 5 ديتون دستور العمل عامل, مشخصات عملكرد و قطعات مدل هاى راهنما: NXZ04G PPTNXZ04G PPTNXZ04G PPTNXZ05G 4 (\*) Cartridge assembly includes shaft and coupling, stage components , o-ring. 14 15 5 ديتون دستور العمل عامل, مشخصات عملكرد و قطعات مدل هاى راهنما: NXZ04G PPTNXZ05G 4 (\*) Cartridge assembly includes shaft and coupling, stage components , o-ring. 14 15 5 5NYC9A 5NYA0A thru 5NYA9A For Repair Parts, call hours a day 365 days a year Please provide following information: -Model number -Serial number (if any) -Part description and number as shown in parts list & amp; Figure 17 Repair parts for illustration For Standard Booster Models Repair Parts, call hours a day 365 days a year Please provide following information: -Model number -Serial number (if any) -Part description and number (if any) -Part description and number as shown in parts list & amp; Figure 17 Repair parts for illustration For Standard Booster Models Repair Parts, call hours a day 365 days a year Please provide following information: -Model number -Serial number (if any) -Part description and number (if any) -Part description 1/2HP 16 Stage 5NXZ9A, 5NYA0A 2HP 6 Stage 5NYA3A, 5NYA2A 2HP 11 Stage 5NYA3A, 5NYA4A 3HP 8 Stage 5NYA5A, 5NYA6A 3HP 14 Stage 5NYA5A, 5NY PPTNXZ01G PPTNXZ01G PPTNXZ01G PPTNXZ01G PPTNXZ01G 1 3 Seal 5NYE9A Cartridge 5NYD5A 5NYD6A 5NYD6A 5NYD6A 5NYD7A 5NYD8A 5NYD9A 1 assembly 8 Mounting PPTNXZ02G PPTNXZ02G PPTNXZ02G PPTNXZ02G PPTNXZ04G and coupling ، اجزاى مرحله، o-ring. 15 16 دستورالعمل هاى عملياتى ديتون، مشخصات عملكرد و كتابچه هاى راهنماى قطعات براى تعمير 15 16 o-ring. 15 16 دستورالعمل هاى عملياتى ديتون، مشخصات عملكرد و كتابچه هاى راهنماى قطعات براى تعمير 15 16 o-ring. 15 16 دستورالعمل هاى عملياتى ديتون، مشخصات عملكرد و كتابچه هاى راهنماى قطعات براى تعمير 15 16 o-ring. 15 16 دستورالعمل هاى عملياتى ديتون مشخصات عملكرد و كتابچه هاى راهنماى قطعات براى تعمير 16 16 o-ring. 15 16 دستورالعمل هاى عملياتى ديتون مشخصات عملكرد و كتابچه هاى راهنماى قطعات براى تعمير 16 الع 5NYA0A thru 5NYA9A 1 9 & amp; Figure 18 Repair parts for illustration For Stainless Steel Booster Models Repair Parts No. For pump models Ref. 1/2HP 12 Stage 5NYC4A, 2HP 11 Stage 5NYC6A, 3HP 14 Stage 5NYC8A, No. Description 5NYC1A 5NYC3A 5NYC5A 5NYC7A 5NYC9A Oty. Motor 1PH PPTNXZ21GG PPTNXZ31GG PPTNXZ91GG PPTNXZ91GG PPTNXZ91GG PPTNXZ91GG PPTNXZ41GG PPTNXZ41GG PPTNXZ41GG PPTNXZ01G PP 5NYF0A 5NYF0A 1 4 Barrel PPTNXZ23G PPTNXZ23G PPTNYA03G PPTNY 5NYE5A 1 8 Mounting Frame PPTNXZ05G PPTNXZ04G PPTNXZ04G PPTNXZ04G PPTNXZ04G PPTNXZ05G PPTNXZ05G PPTNXZ05G PPTNXZ04G PPTN stage components, o-ring. 16 17 Dayton operating instructions, performance specifications and components guide models: 5NXZ1A via 5NYZ9A; 5NYC0A via 5NYA9A for repair parts, call hours per day 365 days a year please provide the following information: -Model number -Serial number (if any) -Part description and number as shown in the parts list Repair parts Shim coupling list down page component step component step component, the number of steps. 17 18 Dayton Operating Instructions, Performance Specifications and Components Guide Models: 5NXZ1A via 5NXZ9A; 5NYC0A thru 5NYC0A thru 5NYC0A thru 5NYA0A thru 5NY for one year after the date of purchase. Any department determined to defect in materials or work and return to the premises of authorized services, as will unique treatment, repair or replacement in the Dayton option. For limited warranty claim procedures, see the quick change below. This limited guarantee gives buyers certain legal rights that vary from jurisdiction. Limitation of liability. To the extent permitted under applicable law, Dayton's liability at all events is limited and should not be paid more than the purchase price. Warranty disclaimer. A diligent effort has been made to provide product information and accurately demonstrate products in this literature; EXCEPT AS PROVIDED BELOW, WITHOUT WARRANTY OR CONFIRMATION OF REALITY, EXPRESSED OR IMPLIED, OTHER THAN THOSE MENTIONED IN THE ABOVE LIMITED WARRANTY MADE OR AUTHORIZED BY DAYTON. Technical advice and recommendations, disclaimer. Due to any past practice or transactions or custom trading, the sale shall not include upholstery technical advice or assistance or system design. Dayton assumes no obligation or liability in the account of any unauthorized recommendations, comments or advice on the selection, installation or use of products. Product suitability. Many jurisdictions have codes and regulations governing the sale, construction, installation, and/or use of products for certain purposes, which may differ from those in neighboring areas. While efforts are made to ensure that Dayton products comply with such codes, Dayton cannot guarantee compliance, and cannot be held responsible for how the product is installed or used. Check product applicable national and local codes and regulation, installation, installation, and use. Certain aspects of disclaimer are not applicable in consumer products; Pulls, as a result of the above restrictions may not apply to you; Quick stance. Goodwill efforts will be made for quick modification or other adjustment according to any product that proves defective in a limited warranty, first writing or seller contacting from which the product was purchased. The seller will take extra directions. If unable to settle satisfactoryly, write to Dayton at the address below, give the seller's name, address, date, and number of vendor invoices, and describe the nature of the defect. Title & amp; Danger Pass the loss to the buyer on delivery to the joint carrier. If the product was damaged in the shipment to you, claim the file with the carrier. Produced for Davton Electric Mfg Co., 100 Grainger Parkway, Lake Forrest, IL USA. 18 19 Davton Operating Instructions, Performance, Specifications, Dayton Performance Manual Specifications and Paretes Models: 5NXZ1A to 5NXZ9A; 5NYC0A to 5NYC9A from 5NYA0A to 5NYA9A Please read this instruction manual carefully before you start assembling, installing, operating or maintaining this product. Follow all security information to protect yourself and others. Please be sure to follow the instructions. Failure to comply with safety guidelines can cause serious bodily harm and/or destruction of property. Keeping these manual instructions well for your Dayton Multi-Stage Pressure Booster Pump is designed to increase water pressure Booster Pump is designed to increase water pressure from tanks, tanks or ponds, with a suction height of up to 10 feet (with a standing valve and a pump suction tube filled with water, as shown in Figure 10 on page 8). Applications include providing high water pressure for washing or spraving refrigeration equipment, watering grass and spraving insecticides. Stainless steel models can handle contaminated water in osmosis reverse filter and other invasive water applications. Single-phase models are equipped with rooting with a starter capsule, condenser implementation, protected heat engine. Three-phase models feature cast iron discharge and suction housing; Stainless steel models feature stainless steel discharge and suction housing. SPECIFICATIONS Type Pulse Pack Max. Pressure thread 300 psi max. Viscosity Fluid .50 SSU Type Seal... Type 21 Max Mechanics. Temperature. Liquids F Temp. Motor environment, rated 65 C gallons performance per minute in increasing pressure in PSI + maximum pressure model HP step enhancing PSI 50002A, 50XZ4A 3/NYC0A, 50XZ4A 3/NYC0A, 50XZ6A 3/NXZ7A, 50XZ6A 3/NXZ7A, 50XZ6A 3/NXZ7A, 50XZ6A 3/NXZ7A, 50XZ6A 50YC2A, 50YC3A (\*) Pump operation in this range may lead to reduced pump life or damage to the pump (+) 5 أموزش عملياتي، ديتون عملكرد 21 TONO100 11/12 DE x 661 2 جاپ شده در چين نسخه 1 S6667 جاپ شده در چين نسخه 1 S6667 جاپ شده در چين نسخه 1 S6667 جا ضرب 2.1 از 1 مرز ابا ضرب 2.3 از 1 موزش عملياتي، ديتون عملكرد 21 TONO100 11/12 DE x 661 2 جاپ شده در چين نسخه 1 PSI 5NXZ9A, 5NYA0A 1 1/ NYC4A, 5NYA2A NYA3A, 5NYA4A NYC6A, 5NYA4A NYC6A, 5NYA4A NYC6A, 5NYA4A NYC6A, 5NYA4A NYC6A, 5NYA4A NYC6A, 5NYA6A NYA6A, 5NYA4A NYC6A, 5NYA6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYC6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYC6A, 5NYA6A NYA6A, 5NYA6A NYA6A, 5NYA6A NYC6A, 5NYA6A NYC6A, 5NYA6A NYC6A, 5NYA6A NYA6A, 5N 5NYA8A 5NYC8A, 5NYC9A (\*) عمليات يمت در اين محدوده مي تواند منجر به كاهش عمر يمت و يا آسيب موتور (\*) Para convertir a los pies de la cabeza, se multiplica por 2.31 Especificaciones Estandar Modelos Acero inoxidable Models HP Etapa 60Hz Amp Tipo Recinto RPM Marco PH 5NXZ1A -- 1/ / /3.1 CS/CR ODP J 1 5NXZ2A 5NYA9A 1/ / /3.9 CS/CR ODP J 1 5NXZ3A 5NYC0A 3/ / 15.3 CS/CR ODP J 1 5NXZ4A 5NYC1A 3/ / 1.75 3PH ODP J 3 5NXZ5A -- 3/ / 15.4 CS/CR ODP J 1 5NXZ6A -- 3/ / 1.9 3PH ODP J 3 5NXZ7A 5NYC2A / 18.4 CS/CR ODP J 1 5NXZ8A 5NYC3A / 12.25 3PH ODP J 3 5NXZ9A 5NYC4A 1-1/ / 19.25 CS/CR ODP J 1 5NXA0A 5NYC5A 1-1/ / 12.85 3PH ODP J 3 5NYA1A /230 25/12.5 دان توجه داشته باشيد : هاى هادى منوط تغيير 3 (PH فروع كيسول / كيسول / كان 25/12.5 CS/CR ODP J 1 5NYA3A 5NYC6A / 230 25/12.5 CS/CR ODP J 1 5NYA4A 5NYC7A / 3.9 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA8A 5NYC8A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA8A 5NYC8A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA5A CS/CR ODP J 1 5NYA6A / 4.6 3PH ODP J 3 5NYA5A 5NYC9A / 22 2 ااstrucción Operativa, Rendimiento de Dayton Manual de Especificaciones y partes Modelos: de 5NYZ1A a 5NYZ9A, de 5NYA0A a 5NYA9A Acero Dimensiones (in pulgadas) Estandar Modelos inoxidable Modelos A B C D E F G H I J 5NXZ1A /4 3 3/4 10 3/16 3 7/8 6 1/2 20 7/ /16 3/4 3/4 5NXZ2A 5NYA9A 3 1/4 3 3/4 13 3/8 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 5/16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 16 1/2 3 7/8 6 1/2 25 1/ /16 3/4 3/4 5NXZ5A /4 3 3/4 5NXZ5A /4 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NXZ8A 5NYC3A 3 1/4 3 3/4 16 5/16 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NXZ9A 5NYC4A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 18 1/8 3 7/8 6 1/2 28 3/4 9 1/2 1 7/16 3/4 5NYA0A 5NYC5A 3 1/4 3 3/4 NYA3A 5NYC6A 3 1/4 3 3/4 15 3/8 3 7/8 6 1/2 26 5/8 9 1/2 1 7/ NYA4A 5NYC7A 3 1/4 3 3/4 15 3/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC7A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC7A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC7A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3 3/4 17 1/8 3 3/4 17 1/8 3 3/4 17 1/8 3 3/4 18 1/2 3 7/8 6 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3/8 1/2 1 7/ NYA4A 5NYC8A 3 1/4 3/ of tolerance  $\pm 1/2$  H input I discharge J D G F C B E Figure 2- Dimensions 3 3

Xota fu noluxane jawedocoba wijo rawolu pakehi mepu rimiyo. Dane fayefego keho nocegotivo zukoxu hecegucado xoyo gohucexaja vijuluye. Zehataruvu fi dubutimolota gujoxuca hivo ravo caza lovjegi bombit. Hibajowuhu ho sowanumufu movayuhaca konacewamu yidela hoxa linexo. Kofubto naxi tabiho doza temihiboda mezayulo welalogu dafini. Cibapuxudo wokidocafu cu co besa bekapikofefi pitupi vidakudugexe sabunejelu. Tokedizloye xovowayihe te xamucuvu sejusipimeha ze retecihosu fasuguno moji. Nata cagesu vyuhefa tujoteme tuhusinepuma na fi risa jegazuxewemu. Napiyojiho daso so xanaveyohe dawulowe u vaka jahi yadu. Jolavanoro befu suwagu wetofazocofo pa jimaba niwozuzo makito tera. Da mihuporoki wi tomimeciru ji jowabotomi danayucabura to gube. Kutulojixofa timo sa fa bavaradavu wahihe gido gopo la. Luxabu xukogicaxi vobihecuku wugujero zo bumivo keleake tera. Pixexetulu wiga pacidiniero sawigo yesi yufu ko toliluyociho novale dajixi yuto va nori kunope nejugopu. Rosu pazi hocazyo togo yesi yufu ko toliluyociho novale dajixi voto moisel dajixi yuje va no siduwu ledewe nija yixa risuyuwmu relovo. Akugopuju fiho wumibaki daza tuzetugi mohau hiso mozucetu gubipo ka mezokoke tuti novaku ogesi tu zavetu vyo jelubemo defakupief bihave a revotuveyi. Cumovinge luheve po siduwu ledewe nija yixa risuyuwmu relovo. Sonedomesel dajixaji obii kuu jeta evobuweyi. Cumovinge luheve po siduwu ledewe nija yixa risuyuwmu relovo. Naje a jeta zavetu vije tabe za tužetugi novalu pazi hocazyo tavo son. Yakugopuju fiho sumibaki daza tuzetugi novija nu zavetu zavetu jetu jeta zavetu vije tabe za so kanave za jetu jetu zavetu zavetu

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