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auxiliary seal on all

shafts. <http://1stamericaninternetmarketing.com/userfiles/case-580-backhoe-repair-manual.xml>

These seals provide high temperature protection, minimize shaft wear, while providing twice the security to contain lubrication and prevent ingress of contaminants. 5. Lubrication Oil level sight plug and magnetic drain plug are standard. Internal housing features enhance oil circulation and accommodate inclined mounting of reducer. Pitot tube for dynamic oil sampling is available as an optional accessory. Accessories Available with shaft driven fan, backstop, scoop motor bracket package, or top motor mount. 4 Specifications Specifications MAXUM XTR Concentric Reducers MAXUM XTR SPEED REDUCER The speed reducer shall be a direct coupled, Vbelt, or chain driven enclosed concentric type unit with a double or triple reduction ratio. The published rating of the speed reducer shall conform to all applicable AGMA standards. The reducer housing shall be constructed of corrosion resistant, ductile iron with cast internal walls for added strength. All housings and end covers shall be doweled and precision machined to assure accurate alignment for all gear sets. All gearing shall be of single helical design, and crown shaved or ground to provide an ellipsoid tooth form to eliminate tooth end bearing and assure meshing in the strongest tooth area. All gears shall be case carburized to insure a high surface durability and resilient tooth core for greater impact resistance and longer service life. Reducer bearings shall be roller type, and provide a minimum 25,000 hour average life. All seals shall be of the tandem radial lip seal arrangement, made of HNBR material. Reducer gears and bearings shall be splash lubricated using a quality petroleum base oil containing rust and oxidation inhibitors. MAXUM XTR SPEED REDUCER WITH SCOOP The speed reducer shall be direct coupled enclosed concentric type unit with a double or triple reduction ratio. Products contained in these catalogs may not be available at all Rexel USA locations.

American Fluor American Ins Wire American Lighting American Polywater Ametek Amphenol Amprobe Anamet Anderson Power Angelo Bros Anvil APG APM Hexseal Architectural Area Lighting Arecont Vision Ark Ltg Arlington ARM Electronics Armor Armorcast Artemide Inc. ASCO ASCO Valve ATC Atlas Ltg AtLite ATP Aube Tech Aurora Lighting Auroralight Inc Avery Dennison Avtron BK Lighting Inc. BLoc Corp Baldor Balluff Inc. BandIt Bando Banner Barfield Mfg Barron Ltg Bartco Lighting Baselite Corporation Bashlin Industries Inc Beacon Products Inc Beghelli Inc Bel Belden Belden Nedco BennerNawman BerkTek Berko Besa Lighting Co. Inc. Beta Lighting Bison Black Box Corporation Bodine Bogen Bosch Bourns Brady Brass Light Bridgeport Fittings BRK Broan Brooks Products Brownlee Ltg Bryant Burke Engineering Co. Burndy CEnterprises c3controls Cablofil Cadet Calpipe Ind Cantex Canusa Capital Lighting Fixture Co Capri Ltg Carhartt Inc. Carlo Gavazzi Carlon Carlyle Johnson Machine Carrier Carter Casablanca Cementex Products Inc Central Moloney Inc Cerro Wire Chalfant Champion Channel Lock Charles Loomis Inc Checkers Industrial Prod Cherry Chromalox Cinch Circa Telecom Classic Illumination Classic Lighting Cognex Coleman Cable Columbia Automation Columbus McKinnon Commercial Lighting Co. Cree LED Crestron Crouzet Crown Crucial Power Products Crydom Crystal Lighting CSL CST Custom Cable Cuz Concrete Products Inc Dabmar Dac Lighting Inc Damac Danfoss DataComm Electronics Davis Instruments Man. Co DayBrite Dc Power Systems DCO DeflectO Delray Lighting DeltaTherm Deltalight Deltrol Corporation Designers Edge DeWalt Diager Dialight DigiKey Corp. Dimplex Directional Systems Ditch Witch Diversitech Corporation Dossert Corporation Dottie Douglas Lighting Controls Draka Driltec Inc. DSGCanusa DuctOWire Co. Fostoria Franklin Elect Fre Composites Corp. FSC Ltg Fuji Electric Fulham Functional Devices Inc.

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Grasslin Graybar Electric Co. Greaves Corporation Greenheck Greenlee Greenlee Ltg Gregory IndustriesG Stru Gripple Inc GS Metals GWG H.A. Framburg H.E. Williams Inc. Hadco HAI Halco Hammond Mfg Hammond Power Solutions Hanover Lantern Hapco Harbour Ind Harger Lighting Protection Harmony Hastings Hastings Fiberglass Hatch Transformers Inc Hd Electric Hella Hellermann Tyton Hendrix Wire And Cable Hera Lighting Heritage Plastics Central Heyco Products HiLine Utility Supply HiLite Mfg. Co. Inc. Hidirect Hilti Hinkley Ltg Hobbs Hoffman Homac Mfg Company Home Controls Honeywell Horner Houston Wire Howard Ind Hoyt Hubbell Bldg Auto Hubbell Elect Prod Hubbell Ind Ctrls Hubbell Killark Hubbell Ltg Hubbell Power Hubbell Prem Wire Hubbell TSELECT Hubbell Wiegmann Hubbell Wiring Dev HubbellGleason Hunter Huskie Tools IBOCO ICC ICEqube ICM Ideal IDEC ILC ILSco Imperial Blades Incon Lighting Insight Ltg Intense Lighting Interconnect Systems Intermatic Invensys IronRidge Irwin ITW Jameco Jasco Products Co Jefferson Electric Jenkins Electric Jessup Mfg JL Matthews JM Eagle Johnson Air Products Joslyn Clark Juno Lighting Justice Design Group Inc. KB Elect Kenall Manufacturing Co. Kichler Ltg Kidde KimberlyClark King Electrical Mfg King Innovation Kirk Key Interlock Co Kirlin Klein Tools Klockner Moeller Knipex Kooltronic Inc. Koppers KorKap Kortick Manufacturing Co. Peerless Ind Peerless Ltg Pelican Products Pencil Plastics PennUnion Pentair Pepperl Fuchs Performance In Lighting Philips Phoenix Day Phoenix Northwest Co.

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placed inside the locker and a remote for the stereo right next to the walkthrough, where it can be operated from the platform or while in the water at the swim ladder, an additional large storage locker beneath the cockpit, a huge locker under the optional port side Lshaped lounge and a huge storage space at the transom. The helm has brushed aluminum gauges clustered in a distinctive triptych with positivematching toggle switches for lights and horn, and a matching hightech tilt steering wheel. All the instruments are well placed and switches conveniently located. On the port side, the locking glove box protects the stereo from the elements, and a 12volt outlet is perfect for charging your cell phone while keeping it safe.

Just below the glove box, a second hinged door opens to reveal an insulated drink cooler. The steering is exceptionally smooth, and the boat behaves predictably. A small powerful boat with lots of storage space for all the things you need for a water trip and lots of space that can accommodate up to 12 passengers. Este cambio era necesario por el aumento de caballos de fuerza que los engranajes helicoidales requieren para transmitir. La viscosidad correcta del aceite se basa en la temperatura ambiente y en la velocidad lineal del paso de engranes. Esta medida alarga la vida de los lubricantes y sellos. El aceite debe cambiarse cada 2,500 horas o cada 6 meses, excepto en unidades que vienen lubricadas de por vida. Seleccione el grado apropiado de viscosidad de aceite. Cambie el aceite a intervalos apropiados. Llene el reductor al nivel correcto. No use aceites EP en frenos de contravuelta internos. La unidad se embarca sin aceite. Agregue la cantidad adecuada del lubricante recomendado antes de hacerla funcionar. El nivel que se indica en la tabla 3 debe mantenerse todo el tiempo. Revise regularmente el nivel de aceite. Instalaciones horizontales. Bajo las condiciones enumeradas anteriormente, el aceite debe cambiarse cada 1 a 3 meses, dependiendo de lo severo de las condiciones. El nivel que se indica en la tabla 6 debe mantenerse todo el tiempo. Oscar Chavez Renteria Gerente Tecnico Merdiz. 1 TEMA DE SEGURIDAD Estan disponibles Consistencia de la grasa. Donde usamos grasas. Componentes de una grasa Algunos de los mas grandes y mas duraderos sistemas de ADVERTENCIA Para asegurar que el accionamiento no sea puesto en marcha Manual de usuario Despresurice La Rueda de traccion y conducida deben alinearse Dar las herramientas necesarias para el analisis de la condicion de lubricacion y la seleccion del lubricante correcto para los diferentes tipos Descripcion de producto. Propiedades y Beneficios.

Aceites de rendimiento superior para turbinas Al tener uniones flexibles son adecuados para la directa de par. Oscar Chavez Gerente Tecnico DIMSA 1 TEMA DE SEGURIDAD. Toda Materia que introducida entre dos superficies en movimiento, tiende a separarlas reduciendo su friccion y su desgaste. El grosor de la capa dependera Bomba presurizadora domestica JET M AUTO Es una regadera que calienta localmente el agua a base de electricidad. Dica cuenta con una regadera electrica que se instala directamente al centro Por lo que se recomienda ser colocado solo por La valvula ofrece Nuestros productos estan formulados para proporcionar Nuestros productos estan formulados para proporcionar recubrimiento, lubricacion y proteccion a materiales expuestos Poseen una excelente adhesividad, proteccion antidesgaste, anticorrosiva y lubricacion en cualquier Nombre del Producto Marca Modelo Manual de Usuario Direccion General de Energia 24 calle zona 12, Guatemala. AHORRO DE COMBUSTIBLES Los combustibles como la gasolina o el diesel son recursos Conserve el manual del propietario para las instrucciones de mantenimiento y ajuste. Su satisfaccion es muy importante Modelos XLW XLSB XLC XLGR Tiempo de secado 10 15 segundos. Utiliza 80% menos de energia. Un producto con valor agregado que incrementa sus ganancias PRODUCTO Los cojinetes y LUBRICACION Antes de la puesta en marcha asegurese de anadir el aceite a la caja de cambios y de que todos los cojinetes, Numero NLGI. Penetracion ASTM 10 1 mm Aspecto a temperatura ambiente Este es un extracto de los principales To use this website, you must agree to our Privacy Policy, including cookie policy. Download CONTENTS Baldor.com.Integral internal walls 3. Precision machined, doweled design provides proper gear alignment under load. MAXUM 4. All new helical gearing with increased capacity reduces cost or extends service life. Case

carburized, precision finished teeth. Gears and pinions 98% efficient per stage 5.

Balanced gear ratios for the most cost effective design. 6. Large diameter shafts for added strength. Increased shaft diameters for less deflection 7. All heavy duty tapered roller bearing design for increased performance. Increased radial and thrust load capabilities. Minimum 25,000 hours average life 8. Reducer overhung load capability optimized for total system value. 9. Standard, double lip and optional Viton seals help keep lubricants in, contaminants out. 100% Factory tested before shipment. Available options for maximum versatility. Maximum Output Torque 502,000 InLbs. Balanced Metric Design. All Heavy Duty Tapered Roller Bearings. Standard Double Lip Seals With Standard Viton Option. Up To 250 Hp Scoop Packages With Multiple Coupling Options. Custom Mechanical Power Transmission Packages. Quick Response Delivery Program. ISO 9002 Certified MAXUM Dodge MAXUM Reducer Size Features TIGEAR2 Options TORQUEARM TORQUEARM II MAXUM Concentric Reducers Gearing Reference Guide SPECIFICATION MAXUM Concentric Reducers MAXUM SPEED REDUCER The speed reducer shall be a direct coupled, Vbelt, or chain driven enclosed concentric type unit with a double or triple reduction ratio. The reducer housing shall be constructed of corrosion resistant, Class 30 gray iron with cast internal walls for added strength. TORQUEARM II All gearing shall be of single helical design, and crown shaved or ground to provide an ellipsoid tooth form to eliminate tooth end bearing and assure meshing in the strongest tooth area. Pinions shall be supported between bearings to maintain proper alignment of the gear meshes, to minimize deflections and to maximize load carrying capabilities. Reducer bearings shall be the taper roller type, and provide a minimum 25,000 hour average life. All seals shall be of the double lip, spring loaded type, made of nitrile rubber. TORQUEARM Reducer gears and bearings shall be splash lubricated using a quality petroleum base oil containing rust and oxidation inhibitors.

MAXUM SPEED REDUCER WITH SCOOP The speed reducer shall be direct coupled enclosed concentric type unit with a double or triple reduction ratio. The published rating of the speed reducer shall conform to all applicable AGMA standards. The motor shall be supported by a steel fabricated scoop of rigid design to maintain motor shaft alignment to the input shaft of the speed reducer. MAXUM The reducer housing shall be constructed of corrosion resistant, Class 30 gray iron with cast internal walls for added strength. All gears shall be case carburized to insure a high surface durability and resilient tooth core for greater impact resistance and longer service life. Pinions shall be supported between bearings to maintain proper alignment of the gear meshes, to minimize deflections and to maximize load carrying capabilities. The fabricated steel scoop shall be supported by the reducer housing and shall include a means of accommodating the motor frame required. A flexible coupling of either the elastomeric or grid type design shall be furnished to couple motor to reducer. The couplings shall be furnished with TaperLock bushings, or bored to size, for attachment of coupling flange to shafts. The shaft coupling shall be covered by an approved guard as required. MAXUM SPEED REDUCER WITH BASE PLATES The speed reducer shall be direct coupled enclosed concentric type unit with a double or triple reduction ratio. The motor shall be supported by a steel fabricated baseplate of rigid design to maintain motor shaft alignment to the input shaft of the speed reducer. All housing and end covers shall be doweled and precision machined to assure accurate alignment for all gear sets. Pinions shall be supported between bearings, to maintain proper alignment of the gear meshes, to minimize deflections and to maximize load carrying capabilities.

The steel baseplate shall be of Heavy Duty design, precision machined and stress relieved, and shall include a means of accommodating the motor frame required and providing the proper alignment with reducer shaft. A flexible coupling of either the elastomeric or grid type design shall be furnished to couple the motor to the reducer. The couplings shall be furnished with TaperLock bushings, or bored to size, for attachment of coupling hub to the shafts. TIGEAR2 Reducer gears and

bearings shall be splash lubricated using a quality petroleum base oil containing rust and oxidation inhibitors. G34 MAXUM Concentric Reducers NOTE If selection cannot be made from information herein, technical assistance is available to recommend drives for new or existing applications. Submit full details to DODGE MAXUM Application Engineering 864 2889050; DODGE Customer Service 864 2974800. Find the service factor table that is required for the application. Read the unit size under required Horsepower and opposite the required low speed shaft RPM. Consult DODGE about external thrust loads. TORQUEARM Example Easy Selection Method Separate Reducers A 75 hp 1750 rpm motor is used to drive a uniformly loaded belt conveyor at 84 rpm operating 16 hours per day. The reducer is coupling connected at both the input and output shafts. Step 2 Determine Unit Size Turn to the Easy Selection Table for 1.25 Service Factor Table 4. Find the column headed by 75 motor horsepower and read down to 83.6 rpm. A MAXUM size 7 is the correct selection and the nominal ratio is 20.931. Step 3 Check External Thrust and Overhung Loads Since the input and output shafts are coupling connected, thrust and overhung loads will not exist. An overhung load example is given on page G357. Consult DODGE about external thrust loads. Step 4 Check Dimensions Refer to the specifications for the DODGE MAXUM size 7 reducer located on page G329. The part number for the reducer is 299145.

Step 5 Select Accessories No accessories were required for this example. Service factors for these special applications should be agreed upon by the user and DODGE since variations of the values in the table may be required. Table 1 Conversion Table For Single or multicylinder engines to find equivalent single or multicylinder application factor or service factor The service factors in the service factor table are based on the use of an electric or hydraulic motor or the use of a steam or gas turbine as a prime mover. Duty Can Filling Machines Cookers Cont. Duty Mash Tubs Cont. Duty Scale Hoppers Frequent Starts BRICK PRESS Clay Working BRIQUETTE MACHINES Clay Working BUCKET Conveyors Uniform Conveyors Heavy Duty Elevators Cont. Find the load classification table that is required for the application. Read the unit size under required horsepower and opposite the required low speed shaft RPM. Note For applications where fan cooling is unacceptable, use an Easy Selection Table with an increased class of service. The reducer is coupling connected at both the high speed and low speed shafts and the motor is to be supported by a scoop. A PARAFLEX coupling is desired. The Reducer part number is 299102. The Scoop Package part number is DCS05280P and includes the scoop, coupling, coupling guard and mounting hardware. MAXUM Step 2 Determine Unit Size Turn to the Easy Selection Table 11 for Class III service. Under 30 motor horsepower and opposite 102.4 rpm, locate the MAXUM Size 5 reducer and note the nominal ratio is 17.091. Also note that the motor frame size is 286T Drive System Vibration The probability of a constant speed motor operating at resonant frequency is remote. Should this occur, however, the customer must add stiffening supports to the scoop bottom plate to move the resonant frequency away from the motor operating speed. TIGEAR2 When mounting variable speed AC or DC motors, consult guidelines on pages G379 through G380.

Applications which expose the gear drive to high starting torques, extreme repetitive shock, or where high energy loads must be absorbed as when stalling, require special consideration. Should motors with unusually high starting torques or motors designed for intermittent service be used, adjustments in the load classification selected may be required. Elevators Uniform Elevators Heavy Duty CALENDERS Paper 2 Super Paper 3 Rubber Textile CANE KNIVES CAN FILLING MACHINES CARD MACHINES Textile CAR DUMPERS CAR PULLERS CEMENT KILNS CENTRIFUGAL Blowers, Compressors Discharge Elevators Fans or Pumps CHAIN CONVEYORS Uniformly Loaded or Fed Heavy Duty CHEMICAL FEEDERS Sewage CLARIFIERS CLASSIFIERS CLAY WORKING IND. It is recommended that class numbers for special applications be agreed upon by the user and the gear manufacturer when variations of the table may be required. Note The suggested mounting for motors weighing 700 pounds or more is the MAXUM HD baseplate. External backstop assembly not included, see accessories. Seal Yes Yes Yes Yes Aux. Maximum 7 thru 12 Top Motor Mount

applications with external backstops must be checked for over hung load. All backstops are externally mounted on the high speed shaft. On reducer sizes 1 through 6, the backstop is a ratchet and pawl type that does not require additional shaft length to mount. On sizes 7 through 12, a sprag type backstop mounts on an extended high speed shaft which is supplied with the backstop reducer. NOTE All backstops have a maximum overrunning speed limitation of 1800 RPM. In addition, the ratchet and pawl type on reducer sizes 16 has a minimum over running speed limitation of 400 RPM. Backstop is factory installed on sizes 712, specify rotation. Sizes 16 factory installed upon request. Refer to Table 12, page G331 for compatibility of various combinations of reducers and accessories.

WARNING Backstops are not to be used for applications involving energy absorption and shock or torque loads in excess of reducer ratings nor on applications such as chair lifts, amusement rides, etc., and where the safety of persons or property is dependent on their function. On such applications, other holding devices must be provided. This accessory is recommended for large motors where the motor weight exceeds the reducer weight or 700 lbs. HD baseplate assemblies include baseplate, ParaFlex coupling and coupling guard. MAXUM When mounting variable speed AC or DC motors, consult general guidelines on pages G379 and G380. Consult DODGE for size 712 baseplate dimensions. Consult DODGE when mounting nonReliance Electric motors. Selection tables indicate the need for cooling fans. Refer to the thermal tables on pages G366 and G367. Installation of the fan is accomplished simply by attaching formed steel mounting straps to the reducer input cover. Unit Size DCR 4 DCR 5 DCR 6 DCR 7 DCR 9 DCR 10 TCR 10 DCR 11 TCR 11 DCR 12 TCR 12 NOTE When using fans with backstops or top motor mounts, see Accessory Compatibility Matrix, page G332, or consult DODGE. For thermal capacities beyond the range of cooling fans, an optional heat exchanger cooling package is available to achieve the use of full mechanical HP rating by lowering the oil temperature. Case sizes 46 feature AGMA standard speeds 9 to 778 RPM, and case sizes 712 feature AGMA standard speeds from 9 to 350 RPM. Refer to Table 12 page G332. Should this occur however, the customer must add stiffening supports to the scoop bottom plate to move the resonant frequency away from the motor operating speed. NOTE Scoops are designed for standard size conduit boxes. Oversize conduit boxes may interfere with side plates. They offer positive protection from objects falling into the rotating coupling. When considering other combinations or nonDODGE couplings, consult DODGE. See pages G353 and G354 for listing of coupling sizes.

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