

- 1 INPUT GROUP REFERENCE PLANE
2 PTO GROUP REFERENCE PLANE
3 LEFT MOUNTING BRACKET FACE
4 RIGHT MOUNTING BRACKET FACE

NOTES:

1. PROPORTIONAL CONTROL VALVE OPERATION
A. WARNING DO NOT CONNECT VALVE COIL DIRECTLY TO BATTERY/POWER SUPPLY VOLTAGE.
B. OPERATION TO BE PERFORMED WITH ONLY TWIN DISC CONTROL SYSTEMS OR MODULES.
2. MANUAL OVERRIDE VALVE OPERATION
A. THE MANUAL OVERRIDE FEATURE FOR THE PRIMARY AND SECONDARY SOLENOIDS MUST NEVER BE ENGAGED SIMULTANEOUSLY.
B. ROTATE THE MANUAL OVERRIDE SCREW COUNTERCLOCKWISE UNTIL THE SCREWS STOPS FOR THE NEUTRAL POSITION
C. THE MANUAL OVERRIDE SCREWS FOR BOTH THE PRIMARY AND SECONDARY SOLENOIDS MUST BE IN TEH NEUTRAL POSITION TO OPERATE THE VALVE UTILIZING THE TWIN DISC CONTROL SYSTEM.
D. TO ENGAGE PRIMARY CLUTCH TURN THE PRIMARY OVERRIDE SCREW IN A CLOCKWISE DIRECTION UNTIL THE SCREW STOPS TURNING.
E. TO ENGAGE SECONDARY CLUTCH TURN THE SECONDARY OVERRIDE SCREW IN A CLOCKWISE DIRECTION UNTIL THE SCREW STOPS TURNING.

Ø11.0 DRILL THRU, 8 HOLES
EQUALLY SPACED.
USE GRADE 8.8 PROPERTY CLASS
CAPSCREWS PER ISO 898-1
AND TORQUE TO S574 OR
SERVICE MANUAL VALUES

FLYWHEEL OUTLINE
MUST CONFORM TO
SAE J620, NO.290

SAE #3 HOUSING MOUNTING FACE
MUST CONFORM TO SAE J617

SECTION A-A

Si

OIL FILTER
22.0 mm CLEARANCE REQUIRED
TO REMOVE FILTER CANISTER.
APPLY OIL TO FILTER GASKET.
TIGHTEN FILTER AN ADDITIONAL
2/3 OF TURN AFTER FILTER
GASKET MAKES CONTACT

WATER INLET FOR
HEAT EXCHANGER
1 1/2-11 BSPP THREAD (G)

ENGAGES PRIMARY CLUTCH
SEE NOTES A & B

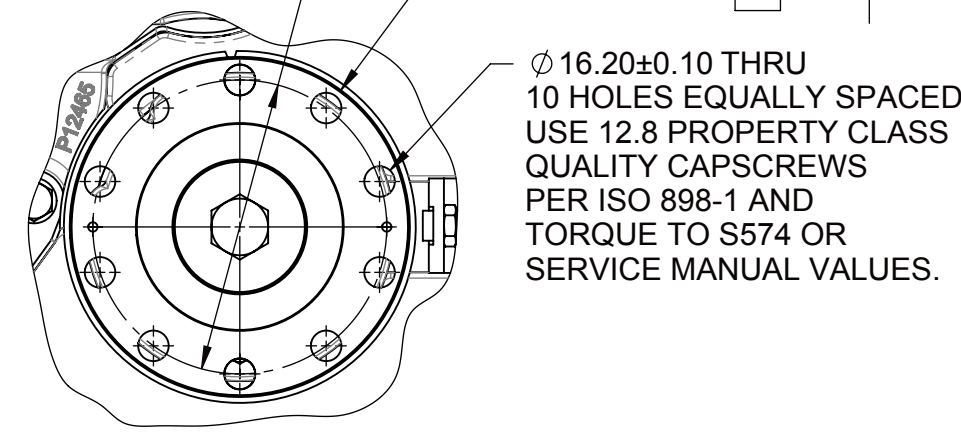
ENGAGES SECONDARY
CLUTCH
SEE NOTES A & B

CENTER OF GRAVITY

M8X1.25 TAP, 7.5 DEEP
53.3mm CLEARANCE REQUIRED,
TO REMOVE SUCTION SCREEN

INPUT
SHAFT \varnothing

OUTPUT
SHAFT \varnothing



VIEW B-B

EQUIPMENT SHOWN:

- MGX-5075SC PER PX12620 ASSEMBLY
- SAE #3 CAT ADAPTOR / SAE 290 CENTA CF-DS-45 I/P COUPLING
- GP VALVE WITH EC300 ADAPTER HARNESS
- PM10685B MOUNTED HEAT EXCHANGER
- GWB 587/42 OUTPUT FLANGE
- 1016428AK MOUNTING BRACKET

FIRST USE ASSEMBLY: PX12620
FIRST USE MODEL: MGX-5075SC
SIMILAR TO:

WEIGHT: 158.43_{kg}
WR: _{kg m³}

THIRD ANGLE
PROJECTION

UNLESS OTHERWISE SPECIFIED
MACHINED DIMENSIONS
X _{+0.75}
X X _{+0.25}
X XX _{+0.13}
ALL ANGULAR TOLERANCES ±1°
GEOMETRIC TOLERANCING
PER ASME Y14.5M 1994

MATERIAL:
HEAT TREAT:

DESCRIPTION: INSTALLATION
MGX-5075SC

DATE: 06/14/2016
SCALE: 1:4
DRAWN BY: PM
CHECKED BY: DV
APPROVED BY: DV

REV: 1
CHANGE NO.:
DATE: 06/17/2016

TWIN DISC
RACINE, WI 53403 - USA

PX13174C

DWG SIZE: A1
SHEET: 1 OF 1
REV: -