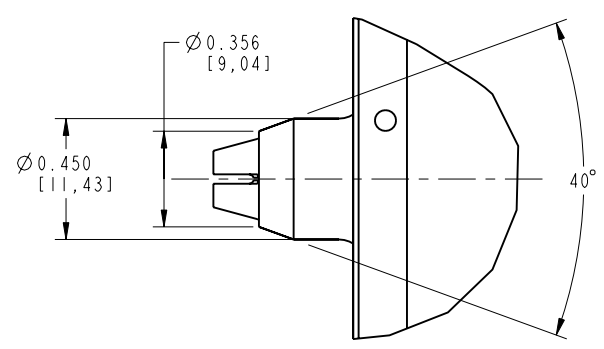
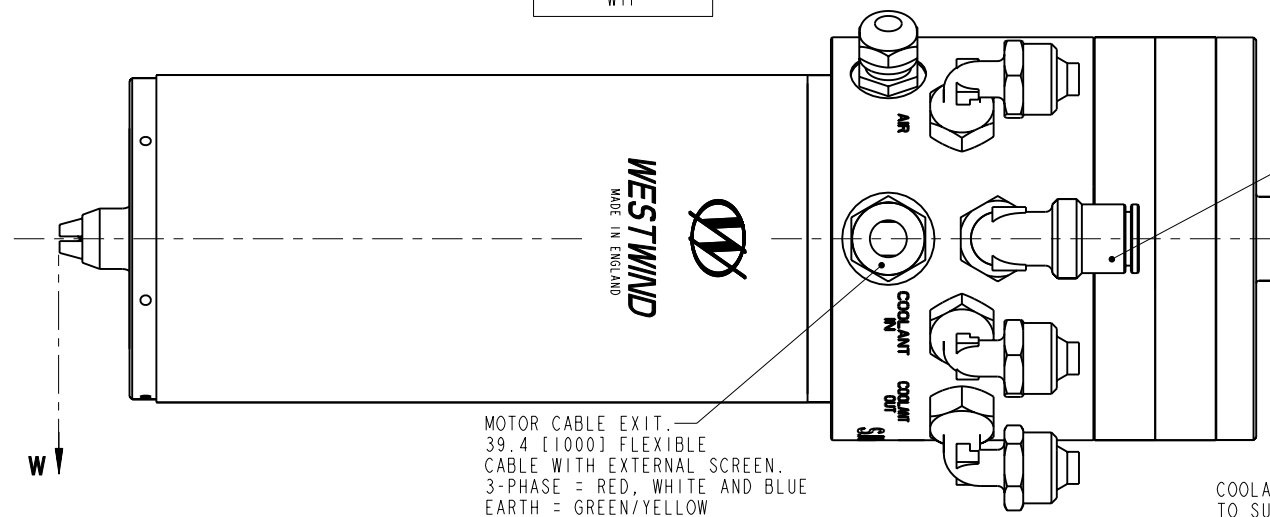


| PREVIOUS MODIFICATIONS | MOD No. | DATE | MODIFICATION | ISSUE |
|------------------------|---------|------|--------------|-------|
| ISS. | MOD No. | DATE | | A |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |



DETAIL X
SCALE 3000

12° TAPER BONDED COLLET FOR 1/8" [3,175] TOOL SHANK. DO NOT RUN SPINDLE WITHOUT A TOOL IN THE COLLET.



MOTOR CABLE EXIT. 39.4 [1000] FLEXIBLE CABLE WITH EXTERNAL SCREEN. 3-PHASE = RED, WHITE AND BLUE EARTH = GREEN/YELLOW THERMISTOR = BROWN, BROWN NOTE : CABLE SCREEN TO BE CONNECTED TO THE 0V PIN AT THE PLUG END.

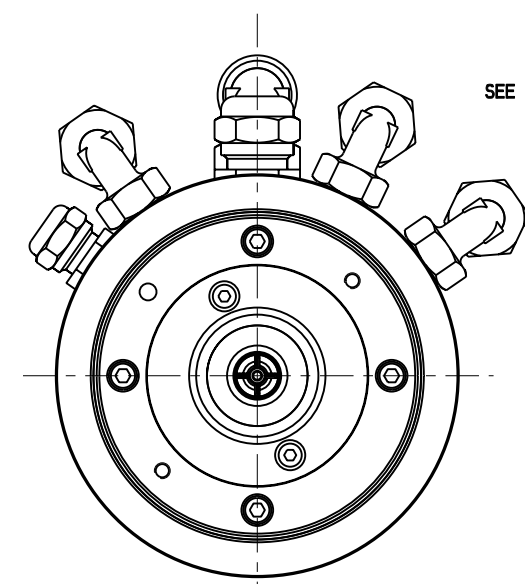
PIPED EXHAUST FITTING TO SUIT 8mm OD X 6mm ID TUBING. MAX PIPE LENGTH = 39.4 [1000].

COOLANT INLET TO SUIT 8mm OD X 6mm ID FLEXIBLE TUBING.

COOLANT OUTLET TO SUIT 8mm OD X 6mm ID FLEXIBLE TUBING.

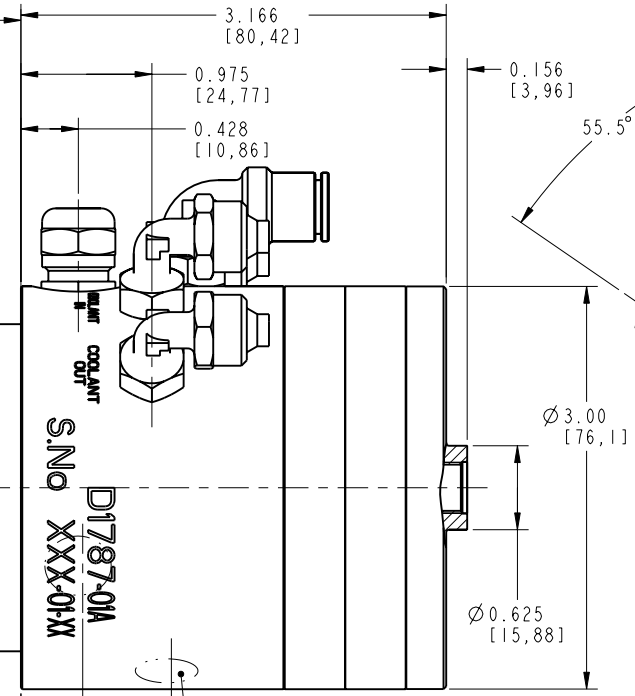
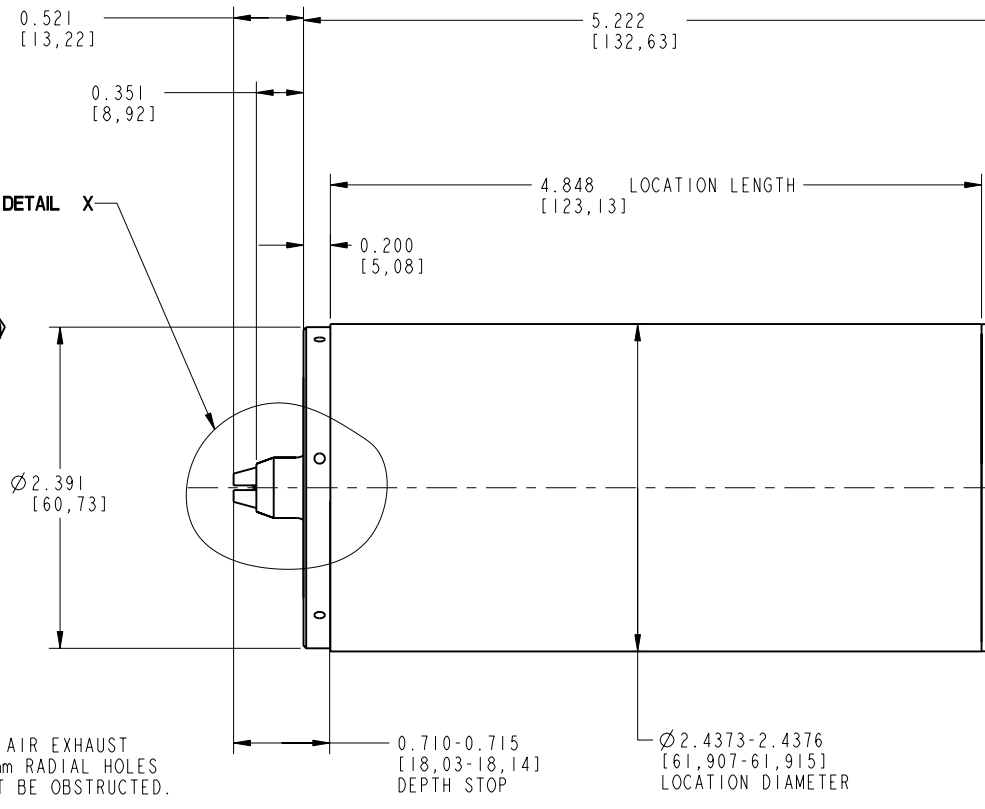
COLLET ACTUATION AIR INLET TAPPED 1/8" BSP. MUST BE AT ZERO PRESSURE BEFORE AND DURING RUNNING.

BEARING AIR INLET TO SUIT 8mm OD X 6mm ID FLEXIBLE TUBING.

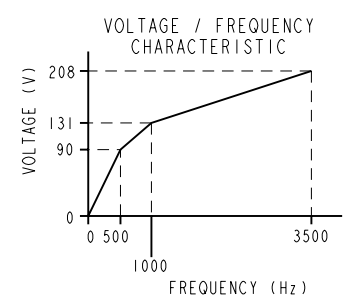


SEE DETAIL X

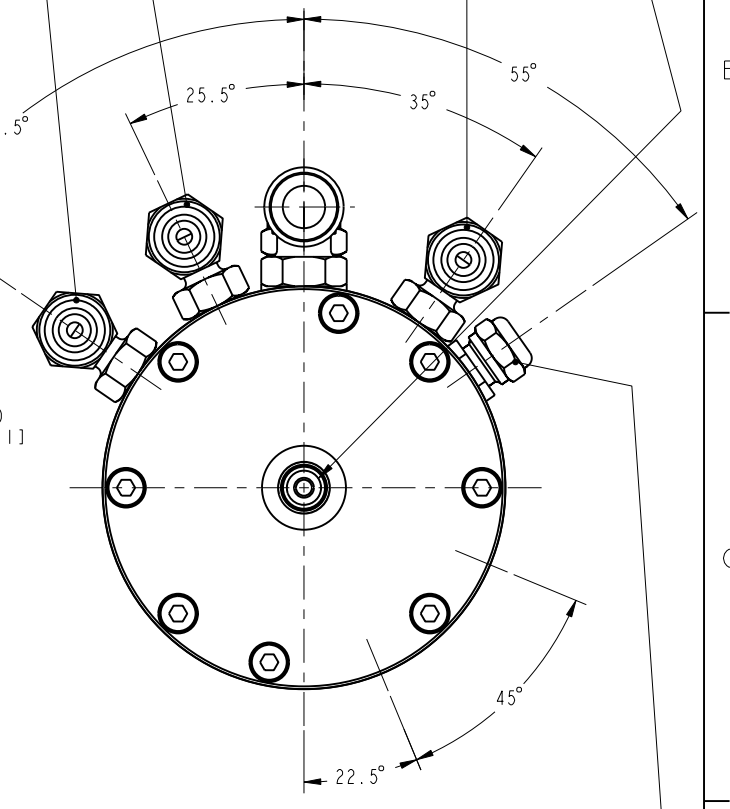
BEARING AIR EXHAUST 8 X Ø2mm RADIAL HOLES MUST NOT BE OBSTRUCTED.



S.No D1787-01A XXX-01W



2-OFF 'BLANKED' BEARING AIR EXHAUST SILENCERS (ON OTHER SIDE OF SPINDLE)



SPEED SENSOR CABLE EXIT 39.4 [1000] LONG FLEXIBLE SCREENED CABLE ALPHA XTRA GUARD 86003CY RED = +5V BLACK = 0V WHITE = SIGNAL OUT NOTE : CABLE SCREEN TO BE CONNECTED TO THE 0V PIN AT THE PLUG END.

| BASIC SPECIFICATION | IMPERIAL UNITS | | METRIC UNITS | |
|---|----------------|-------------------------------|--------------|--------------------|
| BEARING AIR SUPPLY PRESSURE | 90 | P.S.I.G. | 6.33 | Kg/cm ² |
| AIR CONSUMPTION DYNAMIC | 1.25 | S.C.F.M. | 35.4 | Litres/min |
| COOLING WATER FLOW | 26.4 | IMP. GALL/Hr | 2.0 | Litres/min |
| COOLING OIL FLOW | 52.8 | IMP GAL/Hr | 4.0 | Litres/min |
| MAXIMUM HEAT DISSIPATION TO COOLING FLUID | 2271 | BTU/HOUR | 665 | WATTS |
| COOLING FLUID INLET TEMPERATURE | 16 - 20 °C | | | |
| RADIAL FAILURE LOAD AT W (AT 200,000 RPM) | 21 | lbf | 9.5 | Kgf |
| AXIAL FAILURE LOAD (PUSH) | 47 | lbf | 21.3 | Kgf |
| MAXIMUM OPERATING SPEED | 200,000 RPM | | | |
| COLLET ACTUATION PRESSURE | 90 | P.S.I.G. | 6.33 | Kg/cm ² |
| MAXIMUM AXIAL ACCELERATION | 60g | (DERIVED THEORETICAL MAXIMUM) | | |
| ADDITIONAL DETAILED INFORMATION IS AVAILABLE ON REQUEST | | | | |

DIMENSIONS IN INCHES, MILLIMETRE EQUIVALENTS IN BRACKETS [---]

| GEOMETRIC TOLERANCE SYMBOLS | LIMITS |
|-----------------------------|--------------------|
| CHARACTERISTIC SYM | CHARACTERISTIC SYM |
| STRAIGHTNESS | CYLINDRICITY |
| ROUNDNESS | SQUARENESS |
| PARALLELISM | CONCENTRICITY |
| ANGULARITY | SYMMETRY |
| RUN OUT | FLATNESS |
| TOTAL RUN OUT | POSITION |

| SIGNED | DATE | TITLE |
|-------------------------|----------|------------------------|
| DRAWN CJB | 16.11.06 | PROVISIONAL OUTLINE |
| CHECKED CB | 16.11.06 | |
| DESIGN APPROVAL RP | 16.11.06 | |
| APPLICATION APPROVAL -- | -- | |

| PRODUCT | DRAWING No. | ISSUE |
|-----------|-------------|-------|
| D1787-01A | 48721 | - A |

GSI WESTWIND