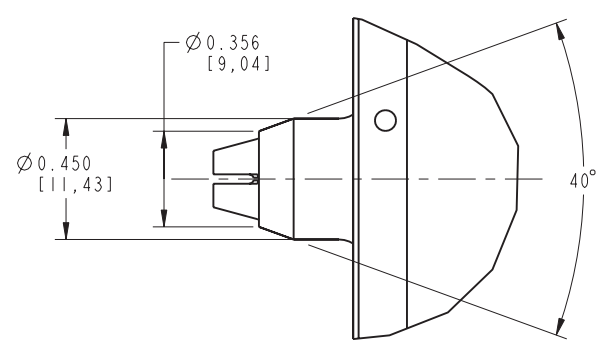
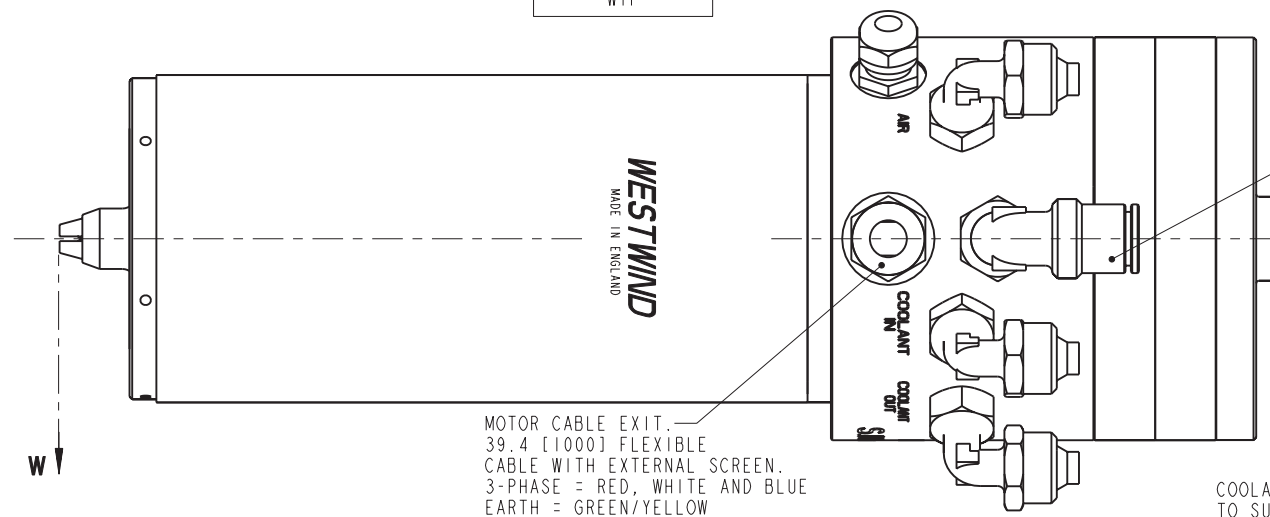


PREVIOUS MODIFICATIONS			MOD No.	DATE	MODIFICATION	ISSUE
ISS.	MOD No.	DATE				A
-	-	-				
-	-	-				
-	-	-				



DETAIL X
 SCALE 3.000

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.

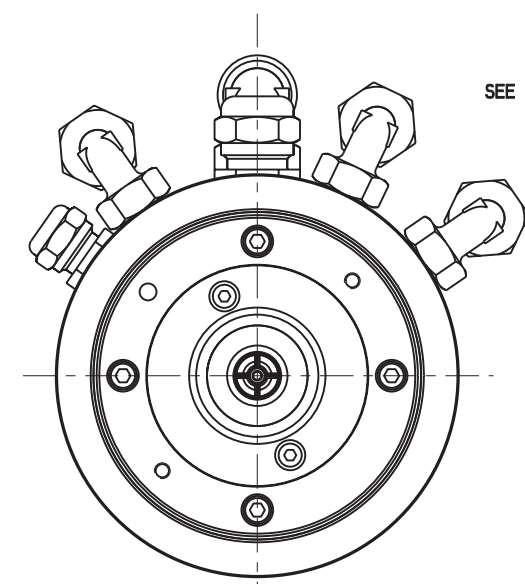
PIPED EXHAUST FITTING TO SUIT 8mm OD X 6mm ID TUBING. MAX PIPE LENGTH = 39.4 [1000].

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

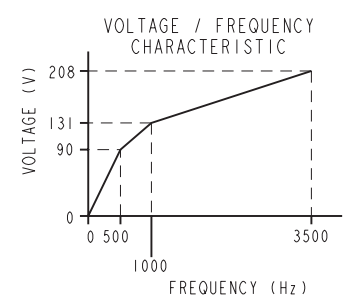
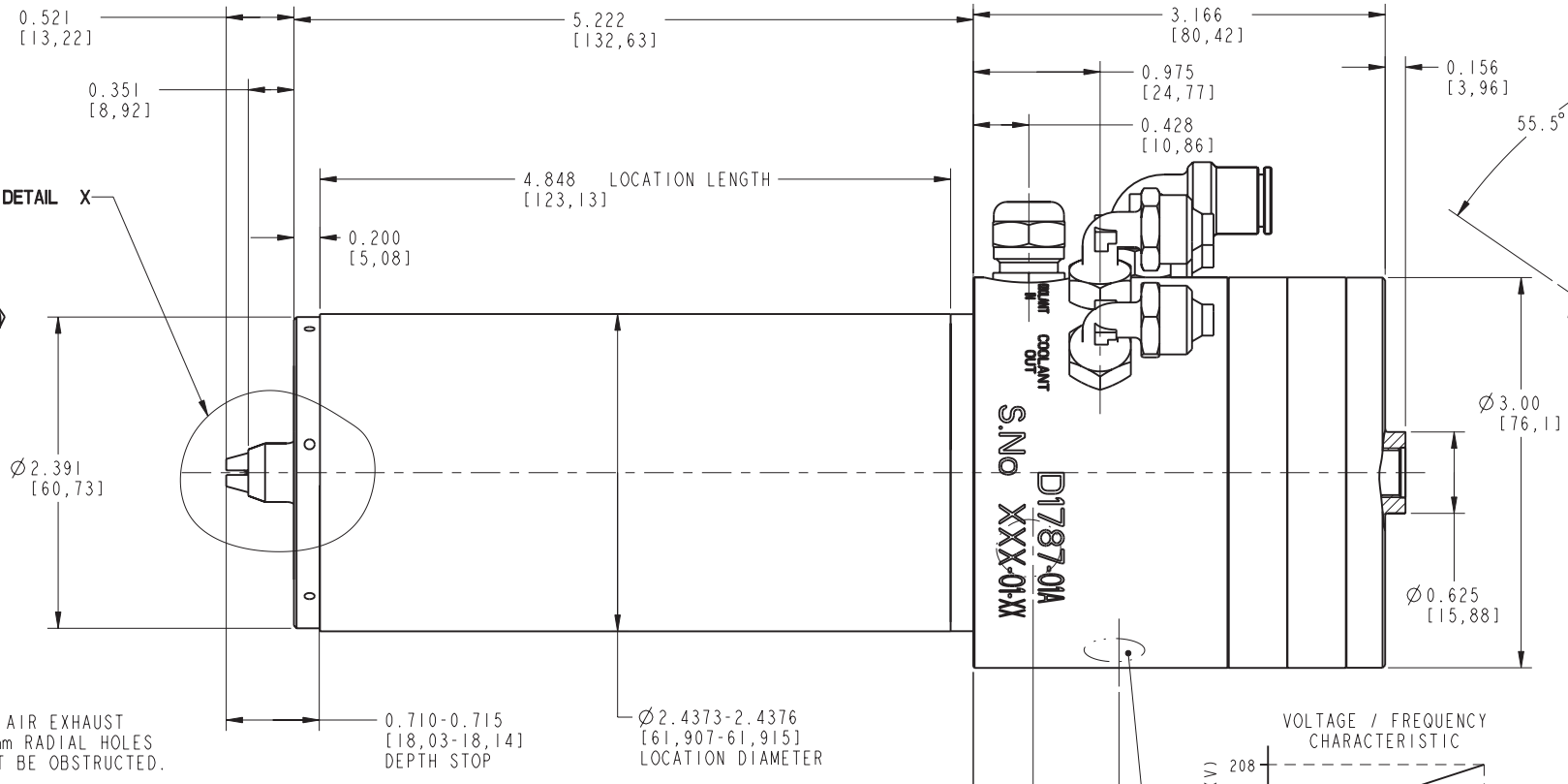
COOLANT OUTLET TO SUIT 8mm OD X 6mm ID FLEXIBLE TUBING.

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.



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



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	SIGNED	DATE	TITLE	PRODUCT	DRAWING No.	ISSUE
CHARACTERISTIC SYM CHARACTERISTIC SYM	NOMINAL UNLESS STATED	DRAWN	CJB	16.11.06	D1787-01A	48721 - A	
STRAIGHTNESS — CYLINDRICITY ⊕		CHECKED	CB	16.11.06			
ROUNDNESS ○ SQUARENESS ⊥		DESIGN APPROVAL	RP	16.11.06			
PARALLELISM // CONCENTRICITY ⊙		APPLICATION APPROVAL	--	--			
ANGULARITY ∟ SYMMETRY ≡							
RUN OUT ↗ FLATNESS ▭							
TOTAL RUN OUT ↖ POSITION ⊕							

PROVISIONAL
 OUTLINE