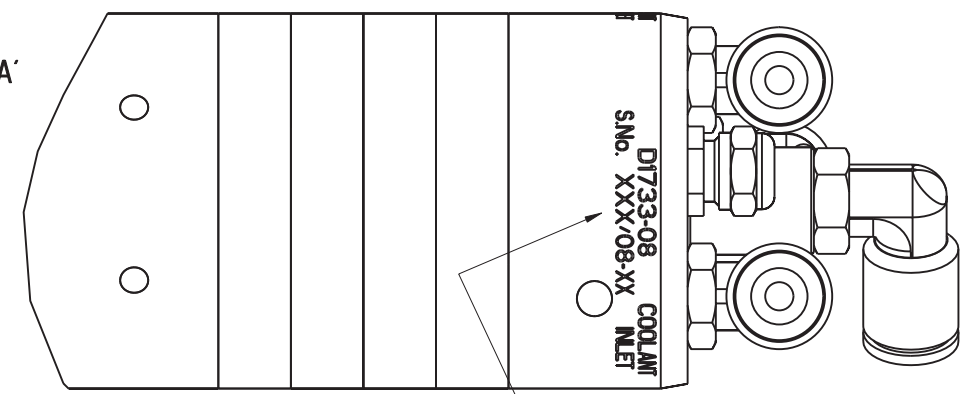


ISS.	MOD No.	DATE	MOD No.	DATE	MODIFICATION	ISSUE
			50070	9.11.05		F
B	46572	05.11.02				
C	48918	6.12.04				
D	47885	26.9.05				
E	49985	17.10.05				

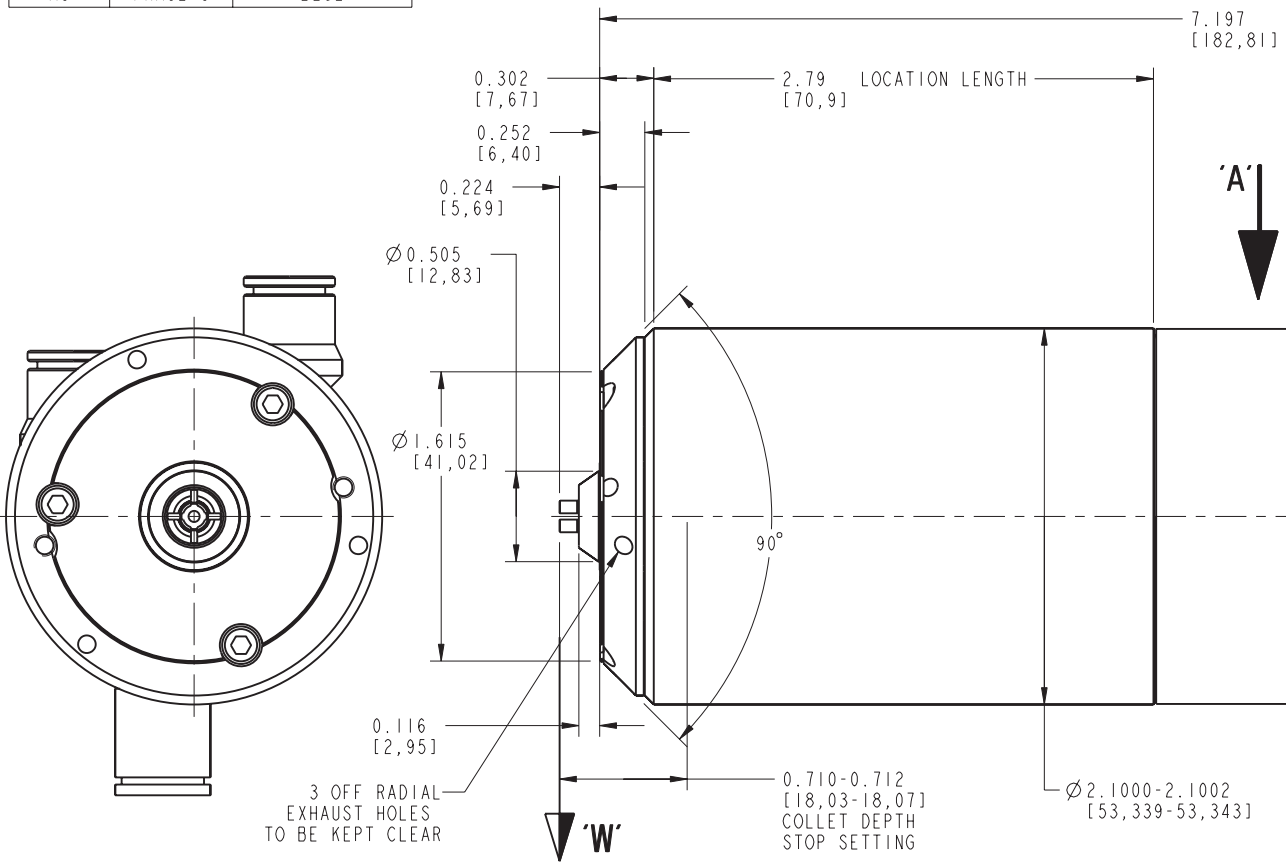
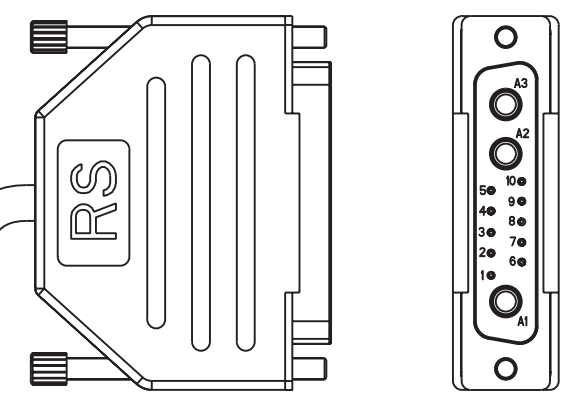
AXIAL FAILURE LOAD (PUSH)  
 WAS 15 lbf [6.8 Kgf]

CONNECTOR WIRING DETAIL		
PIN No	FUNCTION	COLOUR
1	NOT USED	-
2	NOT USED	-
3	THERMISTOR	RED
4	THERMISTOR	RED
5	NOT USED	-
6	NOT USED	-
7	NOT USED	-
8	NOT USED	-
9	EARTH	GREEN/YELLOW
10	NOT USED	-
A1	PHASE W	RED
A2	PHASE V	WHITE
A3	PHASE U	BLUE

PARTIAL VIEWS ON ARROW 'A'



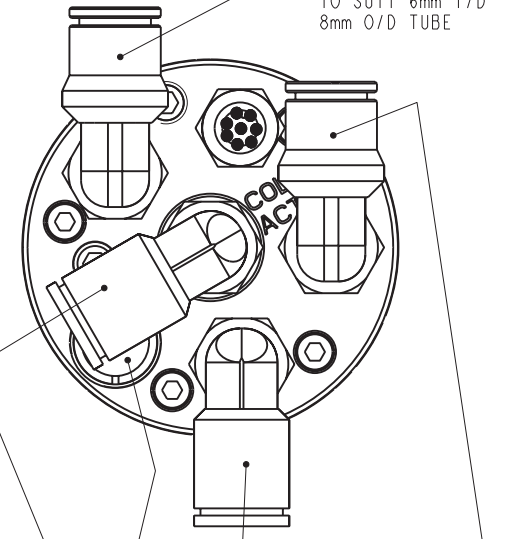
MOTOR CABLE 1m LONG  
 3 PHASE (RED, WHITE, BLUE)  
 THERMISTOR (RED, RED)  
 EARTH (GREEN / YELLOW)  
 CONNECTOR 13 WAY 'D' TYPE



SPINDLE SERIAL NUMBER IS ETCHED IN THIS POSITION

Ø 2.094 [53,18]

COOLANT INLET TO SUIT 6mm I/D 8mm O/D TUBE



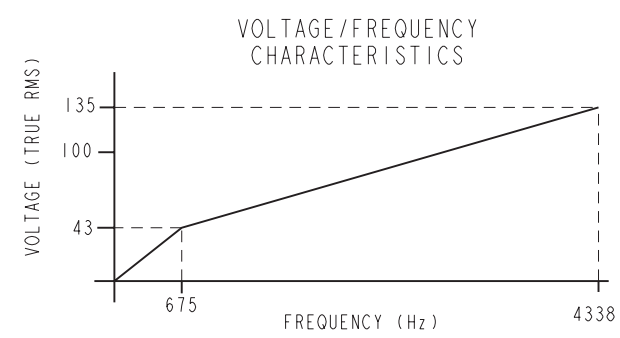
COLLET ACTUATION AIR TO SUIT 6mm I/D - 8mm O/D TUBE MUST BE AT ZERO PRESSURE DURING RUNNING SHAFT MUST BE STATIONARY PRIOR TO ACTUATION

EXHAUST AIR MUST BE FREE OF OBSTRUCTIONS

COOLANT OUTLET TO SUIT 6mm I/D 8mm O/D TUBE

AIR INLET TO SUIT 6mm I/D 8 O/D TUBE

BASIC SPECIFICATION	IMPERIAL UNITS	METRIC UNITS
BEARING AIR SUPPLY PRESSURE	78-82 P.S.I.G.	5.5-5.8 Kg/cm <sup>2</sup>
AIR CONSUMPTION (STATIC)	2.2 S.C.F.M	62.5 Litres/min
COOLING WATER FLOW	13.2 IMP. GALL/Hr	1.0 Litres/min
COOLING OIL FLOW	26.4 IMP. GALL/Hr	2.0 Litres/min
COOLING FLUID INLET TEMPERATURE	16-20 °C	
MAX. HEAT DISSIPATION TO COOLING FLUID	749 BTU/Hour	220 WATTS
RADIAL FAILURE LOAD AT W (AT 250,000 RPM)	8 lbf	3.6 Kgf
AXIAL FAILURE LOAD (PUSH)	13 lbf	5.9 Kgf
OPERATING SPEED - MAXIMUM SPEED	250,000 RPM	
COLLET ACTUATION PRESSURE	78-82 P.S.I.G.	5.5-5.8 Kg/cm <sup>2</sup>
APPROX. WEIGHT	4.1 lb	1.86 Kg
POWER SUPPLY	135V @ 250,000 R.P.M.	
MAXIMUM AXIAL ACCELERATION	65g (DERIVED THEORETICAL MAXIMUM)	
ADDITIONAL DETAILED INFORMATION IS AVAILABLE ON REQUEST		



GEOMETRIC TOLERANCE SYMBOLS		LIMITS	SIGNED	DATE	TITLE	PRODUCT	DRAWING No.	ISSUE
CHARACTERISTIC	SYM	CHARACTERISTIC	SYM					
STRAIGHTNESS	—	CYLINDRICITY	⊘	DRAWN	SEF	2.10.02	D1733-08	44756 - F
ROUNDNESS	○	SQUARENESS	⊥	CHECKED	CJB	2.10.02		
PARALLELISM	∥	CONCENTRICITY	⊙	DESIGN APPROVAL	JDS	7.10.02		
ANGULARITY	∠	SYMMETRY	≡	APPLICATION APPROVAL	-	-		
RUN OUT	↗	FLATNESS	▭					
TOTAL RUN OUT	↗	POSITION	⊕					