

DRAWING No. 44756 - F

ISSUE F
THE DRAWING AND DESIGN ARE THE PROPERTY OF WESTWIND AIR BEARINGS. THEY REMAIN AT ALL TIMES THEIR PROPERTY AND MUST NOT BE USED TO THE DETRIMENT OF THEIR INTERESTS.

DO NOT SCALE DRAWING

PROJECTION IF IN DOUBT ASK

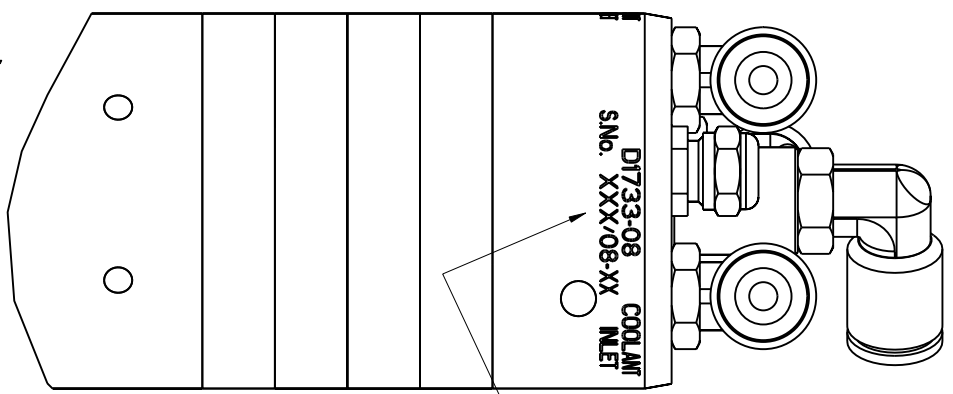
DO NOT SCALE DRAWING

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

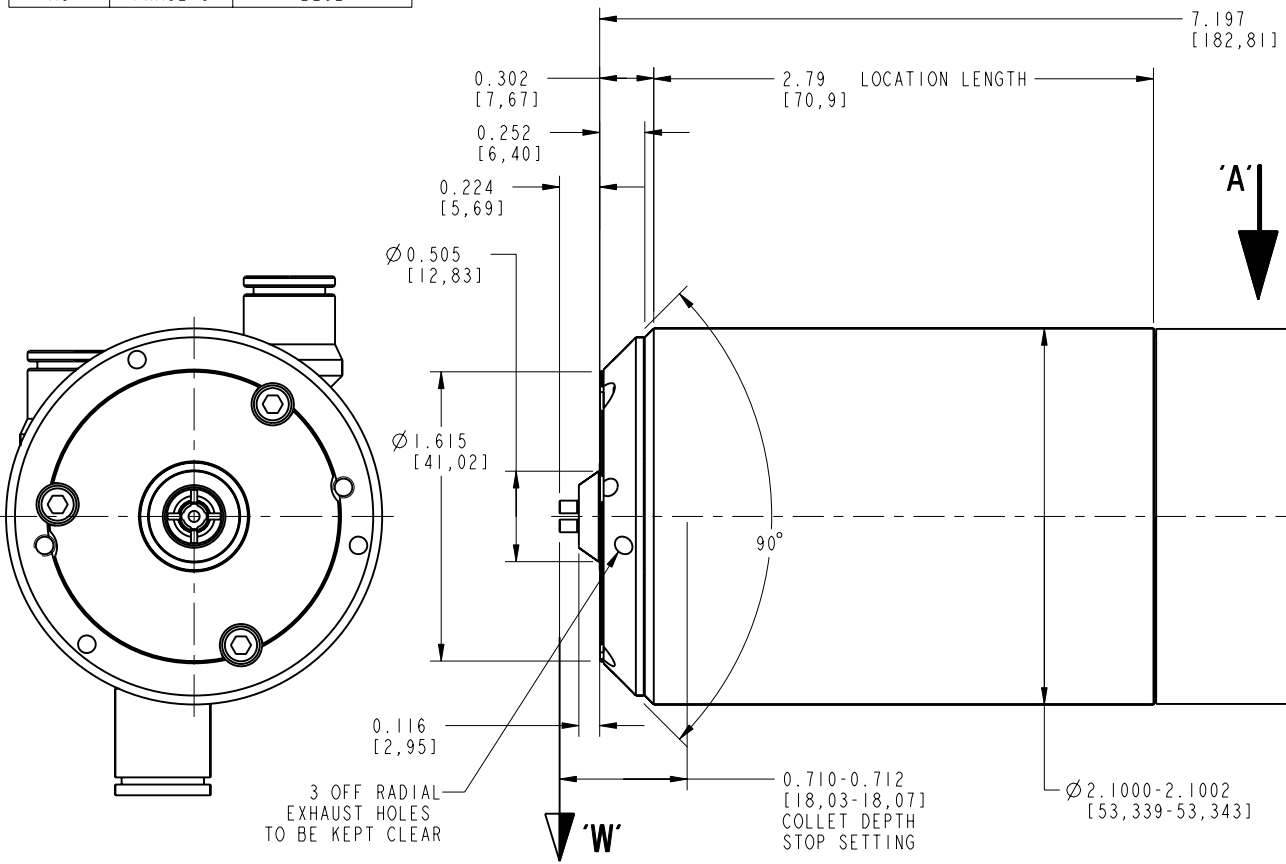
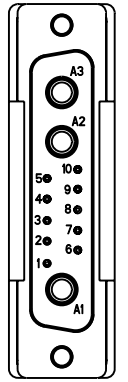
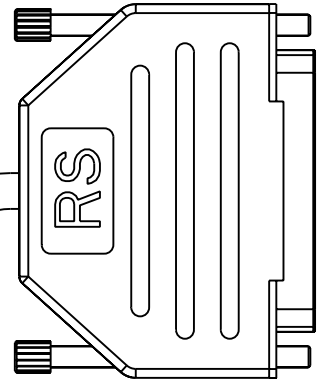
AXIAL FAILURE LOAD (PUSH)
WAS 15 lbf [6.8 Kgf]

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'

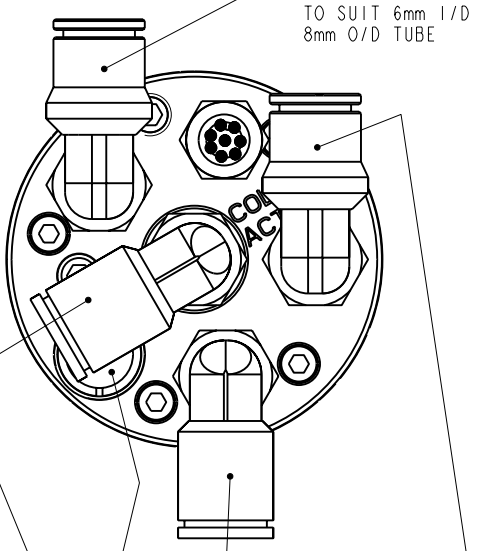


MOTOR CABLE 1m LONG
3 PHASE (RED, WHITE, BLUE)
THERMISTOR (RED, RED)
EARTH (GREEN / YELLOW)
CONNECTOR 13 WAY 'D' TYPE



SPINDLE SERIAL NUMBER IS ETCHED IN THIS POSITION

Ø 2.094 [53,18]

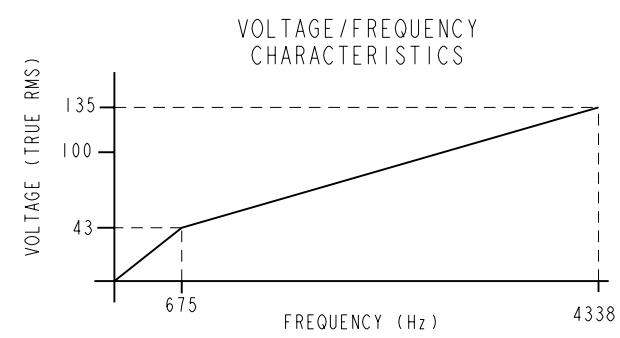


COLLET ACTUATION AIR TO SUIT 6mm I/D - 8mm O/D TUBE MUST BE AT ZERO PRESSURE DURING RUNNING SHAFT MUST BE STATIONARY PRIOR TO ACTUATION

EXHAUST AIR MUST BE FREE OF OBSTRUCTIONS

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

BASIC SPECIFICATION	IMPERIAL UNITS	METRIC UNITS
BEARING AIR SUPPLY PRESSURE	78-82 P.S.I.G.	5.5-5.8 Kg/cm ²
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 ²
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
CHARACTERISTIC SYM CHARACTERISTIC SYM	NOMINAL UNLESS STATED	DRAWN	SEF 2.10.02	PROVISIONAL OUTLINE
STRAIGHTNESS - CYLINDRICITY		CHECKED	CJB 2.10.02	
ROUNDNESS - SQUARENESS		DESIGN APPROVAL	JDS 7.10.02	
PARALLELISM - CONCENTRICITY		APPLICATION APPROVAL	-	
ANGULARITY - SYMMETRY				
RUN OUT - FLATNESS				
TOTAL RUN OUT - POSITION				

PRODUCT	DRAWING No.	ISSUE
D1733-08	44756	- F

GSI WESTWIND