DRAWING No.	ISSUE
42940	- Q

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.

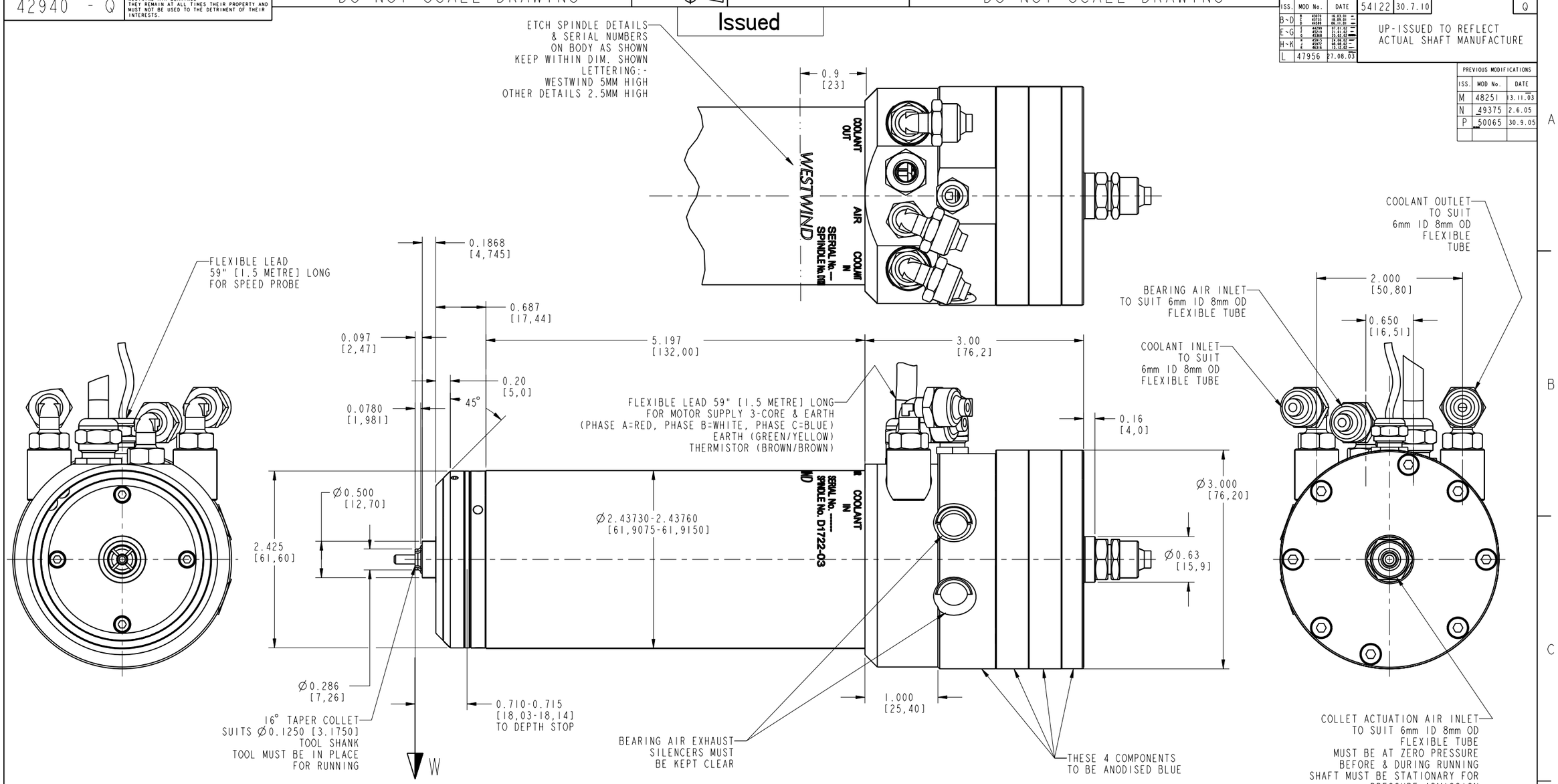
DO NOT SCALE DRAWING | PROJECTION | IF IN DOUBT ASK | DO NOT SCALE DRAWING

Issued

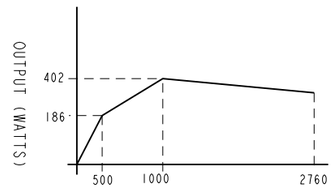
PREVIOUS MODIFICATIONS		
ISS.	MOD No.	DATE
B~D	B 42870 C 43135 D 44599	16.03.01 16.09.01 06.11.01
E~G	E 44799 F 45319 G 45515	07.01.02 21.01.02 12.04.02
H~K	H 45812 J 45912 K 46316	12.06.02 06.08.02 13.12.02
L	47956	27.08.03

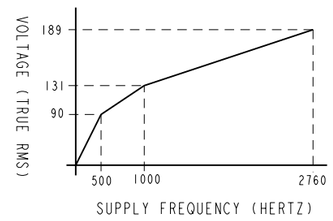
MOD No.	DATE	MODIFICATION	ISSUE
54122	30.7.10	UP-ISSUED TO REFLECT ACTUAL SHAFT MANUFACTURE	Q

PREVIOUS MODIFICATIONS		
ISS.	MOD No.	DATE
M	48251	3.11.03
N	49375	2.6.05
P	50065	30.9.05



BASIC SPECIFICATION	IMPERIAL UNITS		METRIC UNITS	
BEARING AIR SUPPLY PRESSURE	80	P.S.I.G.	5.6	Kg/cm 2
AIR CONSUMPTION DYNAMIC	2.6	S.C.F.M.	74	Litres/min
COOLING WATER FLOW	20	IMP. GALL/Hr	1.52	Litres/min
COOLING OIL FLOW	40	IMP GAL/Hr	3.03	Litres/min
MAXIMUM HEAT DISSIPATION TO COOLING FLUID	1530	BTU/HOUR	450	WATTS
COOLING FLIUD INLET TEMPERATURE	16 - 20 °C			
RADIAL FAILURE LOAD AT W (AT 20,000 RPM)	15	lbf	6.75	Kgf
AXIAL FAILURE LOAD (PUSH)	40	lbf	18.2	Kgf
SPEED RANGE	20,000 - 160,000 RPM			
COLLET ACTUATION PRESSURE	80	P.S.I.G.	5.6	Kg/cm 2
MAXIMUM AXIAL ACCELERATION	45g	(DERIVED THEORETICAL MAXIMUM)		
ADDITIONAL DETAILED INFORMATION IS AVAILABLE ON REQUEST				





GEOMETRIC TOLERANCE SYMBOLS			
CHARACTERISTIC	SYM	CHARACTERISTIC	SYM
STRAIGHTNESS	—	CYLINDRICITY	⌭
ROUNDNESS	○	SQUARENESS	⊥
PARALLELISM	//	CONCENTRICITY	◎
ANGULARITY	∠	SYMMETRY	⌯
RUN OUT	↗	FLATNESS	⏥
TOTAL RUN OUT	⌰	POSITION	⊕

LIMITS: NOMINAL UNLESS STATED

	SIGNED	DATE
DRAWN	SEF	19.2.01
CHECKED	SEF	19.2.01
DESIGN APPROVAL.	JDS	
APPLICATION APPROVAL		

TITLE: PROVISIONAL OUTLINE

PRODUCT	DRAWING No.	ISSUE
D1722-03	42940	- Q

GSI™ WESTWIND®

SHEET 1 OF 1 SHEET(S)

MODEL USED : D1722-03