

Model Code / Additional Spec. Code (No entry if additional spec. code is not specified)

VM-781B-□ /SU0

Diagnosis method		Setup
1	Sleeve bearing diagnosis	
2	Rolling bearing diagnosis	
3	Sleeve bearing & rolling bearing diagnosis	

Specification

SYSTEM REQUIREMENTS

A computer which satisfies the performance requirements of VM-773B infiSYS Analysis View.
An available hard disk space of 100 MB or more is required.

TARGET MACHINE

Target machine for diagnosis :
Designed for large rotating machinery with sleeve bearings or rolling bearings.
(Turbine, Generator, Motor, Blower, Pump, Compressor)

INPUT SPECIFICATION

Vibration data required for diagnosis^{*1} :
Rotational speed, Spectrum

User setting item required for diagnosis^{*2} :
Machine information (power capacity, rated rotational speed, actual rotational speed, resonance frequency of the rotating shaft, motor cold fan blade number, fan blade number, gear tooth number, motor pole number, motor phase number, coupling pole number, bearing)

*1 The required data are automatically collected from the VM-773B infiSYS Analysis View collection data.
*2 Required to input with the setting screen on the VM-773B infiSYS Analysis View beforehand by user.

OUTPUT SPECIFICATION

Diagnosis possible malfunctions cause :

Sleeve bearing diagnosis	Rolling bearing diagnosis
Unbalance	Bearing damage
Permanent bow / Lost rotor parts	Insufficient lubrication of bearing due to deterioration of grease
Seal rub	Lubricating trouble
Misalignment	Insufficient tightness - Bearing
Friction induced whirl	Unequal bearing stiffness
Critical speed	Unbalance
Rotor crack	Vane unbalance
Cavitation	Cooling fin unbalance
Gear inaccuracy	Coupling inaccuracy of damage
Vane vibration	Misalignment
Nonsymmetrical rotor	Seal or rotor rub
Draft core	Inaccurate tooth contact
Steam whirl / Seal whirl	Tooth surface wear
Surging	Electrically excited vibration
Oil whip	Insufficient tightness - Casing
Oil whirl	Vane rub
Partial rub	

Display of the diagnosis result :
A malfunction cause is displayed in order from the high thing of the factor as a result of diagnosis.

SOFTWARE SUPPLY

Media : CD-ROM

ACCESSORIES

None

OTHER

In order to use this product, VM-773B infiSYS Analysis View

or VM-774B infiSYS Remote View is required separately.

This application is available only on a computer that has this software installed.

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