NEVER BEEN APPLIED FOR COOLING TOWER BEFORE!





BRAND NEW SYSTEM APPLIED FOR CT FAN FREE FROM MAINTENANCE AND CONTRIBUTES TO ENERGY-SAVING

What is HYPER FLAT DRIVE?

By applying flat belt in combination with meander-control device and auto-tentioner, fan unit deserves maintenance-free, longer life time & higher transmission efficiency compared to the one having v-belt equipped with.

✓ SLIP-NOISE IS SUBDUED ✓ MAINTENANCE-FREE ✓ ENERGY SAVED





SUFFERING FROM THOSE PROBLEMS?? HFRF'S T ULTIMATE SOLUTION

Vibration is annoving

ONo flattering noise, no excessive

even without tension-adjustment.

vibration caused by belt expansion

Belt maintenenance is troublesome

- O No worries for belt slipping off Only 1 piece of flat belt is enough to be applied
- O Flat belt doesn't leave a mass of cass like the way wedged-belt does.



Waste material treatment is troublesome

O No need to replace belt until HFD device replacement(once/24,000hrs).

Belt-slipping noise is a nuisance

- O V-belt tends to make noise against pulley due to its expansion right after replacement if no proper adjustment is done accordingly.
- O HFD system is designed so as to keep the belt-tension set for the first time. In this way, slipping-noise is minimized and less stress is imposed on bearing.



Electricity cost is overwhelming



Energy can be saved at least by 10% if IE3 motor is applied in HFD system.

BENEFITS EXPECTED BY APPLYING HFD SYSTEM!

MAINTYENANCE-FREE!

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By auto-tension function, slipping-off of belt (caused by expansion after replacement) and reduction in number of revolution(caused by slipping against pulley surface) will not occur, hence belt-maintenance is not required for 24,000hrs.





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Frequency of on/off operation for fan becomes high in CT system applying thermo-control for cooling water. HFD system, high in transmission efficiency and short in time required for start-up, contributes to minimizing primary energy-loss thanks to its design.

FURTHER!

WE CAN'T IGNORE THE TIME TO REACH RATED

Based on the actual testing with IE1, 7.5KW motor switched to IE3+HFD,

Energy-reduction up to 17% has been demonstrated

