

TOSHIBA



LOW HARMONIC SERIES DRIVE

Does Your Company Meet UTILITY STANDARDS?

Harmonic distortion and the related problems are more and more prevalent in electrical distribution systems. Utility providers have implemented Harmonic distortion specifications that would limit their customers as to the amount of harmonic distortion their facilities will contribute to the utility power grid. IEEE Std. 519-1992.

THE SOLUTION: AS1-LH

A variable frequency drive built on Tundra and Toshiba's history of supplying powerful, reliable, and versatile products. The best drive features and the latest technologies make the AS1-LH the leader in the Low Harmonic Drive market. The AS1-LH Series drive, with a built in Harmonic Filter, incorporates high input impedance to the electrical power system. This prevents the filter from resonating with other components or absorbing harmonics already present from other non-linear loads.



Features & Benefits

- Limits Total Current Harmonic Distortion To 8% TDD (<6% Typical At Full Load)
- The LH Series ASD Meets Current Distortion Limits Outlined In IEEE Std 519-1992 "IEEE Recommended Practices And Requirements For Harmonic Control In Electrical Power Systems" Based On A ISC/IL Level Of 20+
- Lower Filter Cost Vs. Performance When Compared With 12 & 18-pulse Designs
- Superior Performance At 100% And 50% Load
- Utilizes The Highest Quality Capacitors Specific To Harmonic Applications
- Less Sensitive To Voltage Imbalance When Compared To 12 & 18-pulse Designs
- Less Sensitive To Line Disturbances Than AFE (Active Front End) Drive Based Filters
- Uninterrupted Operation. The ASD Will Continue To Operate In The Event Of A Filter Shut-Down
- Limits ASD DC Bus Voltage Drop To Less Than 2%

Compact Wall Mount Units For Sizes 7.5Hp-60Hp 230Vac, 7.5Hp-125Hp 480VAC and 15Hp-100Hp 600Vac
Compact Floor Mount Units For Sizes 75Hp-100Hp 230Vac, 150Hp-700Hp 480VAC and 125Hp-700Hp 600Vac
Self Contained System, No ASD/Harmonic Filter Interconnection Wiring Required

Focus on running your facility with Tundra's full process solutions that cover all your electrical system requirements. Experience more reliability than you've ever thought possible. Plus 24-7 technical support that lets you take your project and your business further.

Visit us online at

www.tundrasolutions.ca

Saskatchewan Office
Phone: (306) 260-9818
#22 – 425 Bayfield Cres.
Saskatoon, SK S7V 1E6

Fort McMurray Office
Phone: (780) 381-6008
212, 401 Athabasca, Ave.
Ft. McMurray, AB T2E 2E2

Calgary Office
Phone: (403) 255-5222
7523 Flint Road S.E.
Calgary, AB T2H 1G3

Edmonton Office
Phone: (780) 482-3444
#100, 17866-106A Ave.,
Edmonton AB T5S 1V3