

Slant/Fin



Look for our
Hydronic Explorer app on
iTunes and Google Play!
(Works on iPad, iPhone & Android devices)

GALAXY™

Lifetime Limited Warranty

Galaxy water boilers are so reliable they come with a lifetime limited warranty. Steam models have a 10-year limited warranty.

**DOE
SEPT. 2012
COMPLIANT**

High performance gas boilers



GG SERIES

Hot water models External draft hood



GXH SERIES

Hot water with tankless coil Steam with tankless coil with external draft hood



GXHA SERIES

Steam with tankless coil and Integral draft diverter

Versatility to meet your home's unique heating needs!

Slant/Fin's Galaxy is one of America's most trusted gas boilers. Installed in tens of thousands of homes, Galaxy is the choice of experienced heating professionals everywhere. For homeowners, it's the wise choice for long-term efficiency and reliability.

Fuel saving performance with traditional cast-iron boiler design

We've fine tuned natural draft cast-iron boiler technology to its most advanced state. With AFUE ratings to 82.80%, Galaxy keeps fuel costs low. It doesn't rely on complex technologies or exotic materials for its efficiency, so there's less to pay for now and less to go wrong. While other boilers become subject to performance and breakdown problems over the years, you can count on Galaxy for efficient, trouble-free performance.

- Thermal targeting technology to conserve fuel by monitoring heating demand *
- Low water cut-off function
- Thermal pre-purge option to save fuel *
- Display shows boiler water temperature and boiler control's setting *
- LED lights provides information of boiler operation *
- Sizes from 105,000 to 399,000 Btuh *
- Hot water and steam models
- Intermittent pilot ignition
- Natural gas or propane
- Tankless heater optional (GXH & GXHA models only)
- Low profile steam models available

* Hot water models only

www.slantfin.com



Since 1949
Slant/Fin
BOILERS & BASEBOARD
The Only Name You Want Heating Your Home

Slant/Fin

GALAXY™

Built for superb performance and long life.

Each Galaxy boiler is tested in our factory, not in your basement.

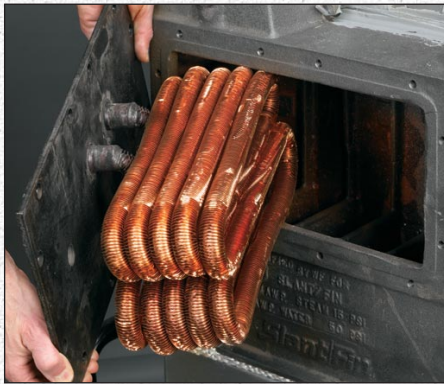
We test individual Galaxy boiler sections under pressure of up to 250 p.s.i. (at least 20 times the normal residential operating pressure). Repetitive testing of individual sections, assembled heat exchanger and completed boiler ensure the leak-free integrity of every boiler shipped. Plus, complete testing of the electrical system, valves, wiring and accessories all add to Galaxy's high reliability.

Fast, simple installation. Easy maintenance.

Your Slant/Fin heating contractor can install a new Galaxy boiler in about a day. Packaged hot water models come fully pre-wired and pre-set. For easy access, the front panel goes on and off in seconds. Burners, controls, pilot, combination gas valve and circulator are all mounted and easily within reach from the front of the boiler. On PZ steam models, the convenient speed skimmer trough makes skimming easy for the installer or homeowner.

Galaxy can provide hot water for your kitchen, bath and laundry.

Optional tankless heater. This coil type "instant" hot water maker is located inside the boiler where the constant flow of hot boiler water heats your fresh water as it passes through the coil. Recovery is fast and the total capacity will vary with the boiler size. Available on GXH Series hot water or steam boilers.



Stainless steel bolts on the cover plate won't rust or break off when servicing the tankless heater.

GALAXY STEAM MODELS

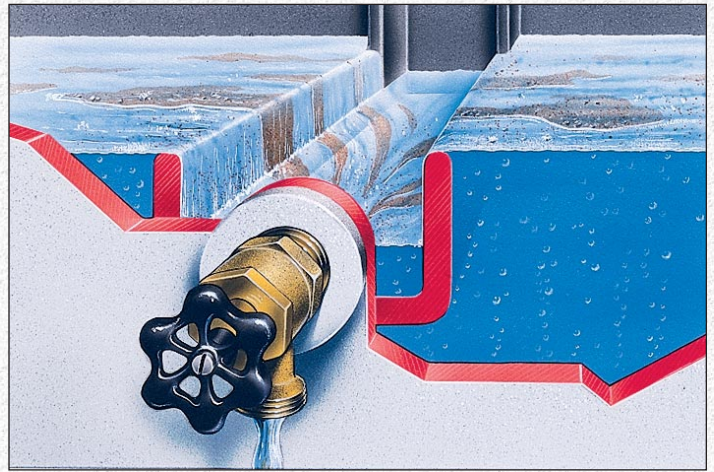
Galaxy steam models are the industry's best solution to system noise and boiler maintenance problems. Galaxy is an ideal replacement boiler for an old steam heating system or for new steam heat jobs. High efficiency models, with intermittent pilot and vent damper, are also among the most efficient steam boilers you can buy. There are 8 Galaxy steam models, all intermittent pilot ignition, all with tankless heater optional. An external draft hood is shipped with each GXH model.

Larger tappings, dry steam.

The Galaxy produces dry steam and delivers it to the system through a 2½" supply tapping. This ensures lower steam velocity and reduces the incidence of water in the mains, resulting in quieter system operation.

Speed skimmer trough.

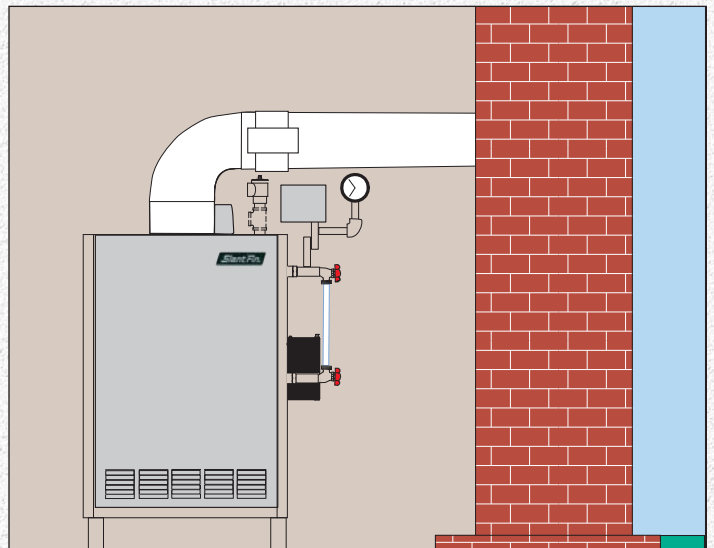
In any steam boiler installation, it's important that the water is kept free from dirt and contaminants that can cause surging and noise. With ordinary steam boilers, elimination of these contaminants is a cumbersome and time-consuming problem. With the speed skimmer trough built into Galaxy "PZ" steam boilers, skimming time and efforts are reduced dramatically. Surface films of grease, oil and other contaminants cascade into the trough and are discharged through an ordinary ¾" drain cock. It makes skimming as easy as turning a faucet.



Built-in speed skimmer trough dramatically reduces steam boiler cleaning time.

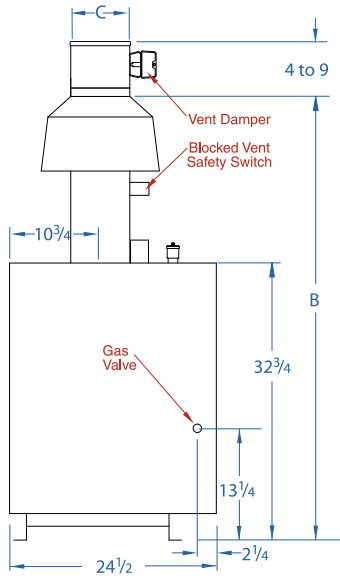
Low profile GXHA models.

Galaxy GXHA steam models do not require an external draft hood. A built-in integral draft diverter on the four GXHA models reduce clearance requirements above the boiler to 18", making them ideal for use in locations with low chimney breaching or with overhead obstructions.

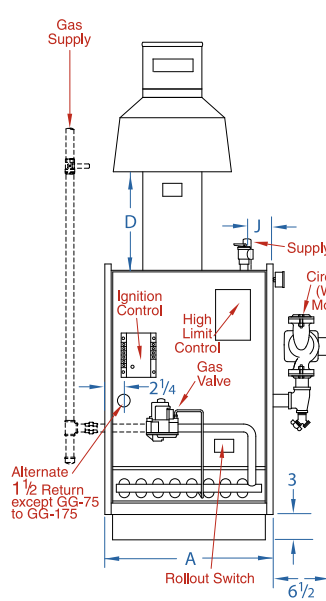


Clearance requirements of just 18" above the boiler make the GXHA steam model ideal for tight installations.

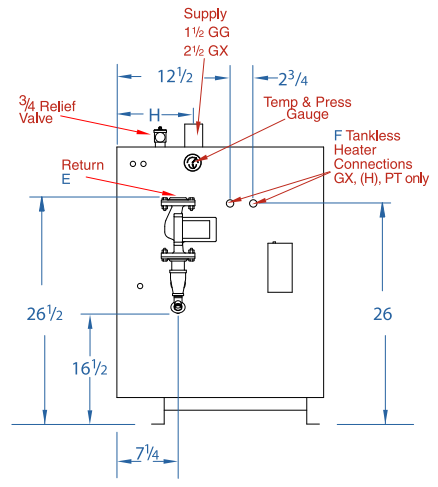
dimensions



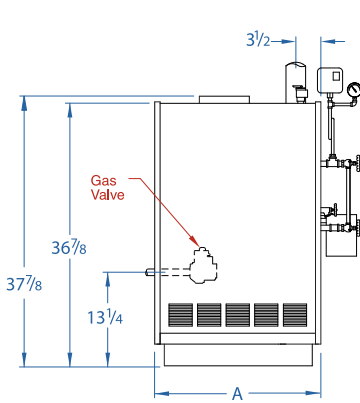
LEFT SIDE VIEW
All GG and GXH



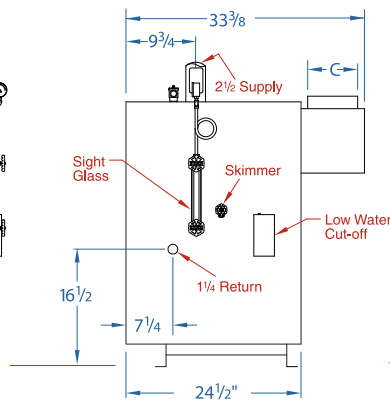
FRONT VIEW
GG and GXH
Water Models



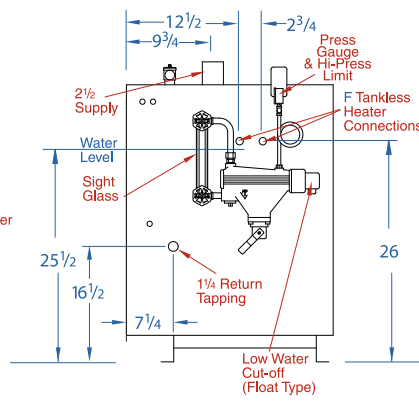
RIGHT SIDE VIEW
GG and GXH PT
Water Models



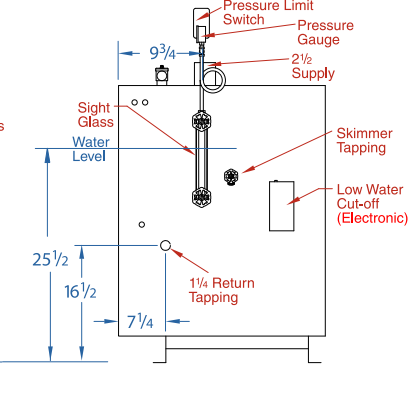
FRONT VIEW
GXHA
Steam Boiler



RIGHT SIDE VIEW
GXHA
Steam Boiler



RIGHT SIDE VIEW
GXH PZT, PPZT
Steam Models



RIGHT SIDE VIEW
GXH PZ
Steam Models

| DIMENSIONS INCHES | MODEL GG SERIES — HOT WATER | | | | | | |
|--------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | GG-250HEDP | GG-275HEDP | GG-300EDP | GG-350HEDP | GG-350HEDP | GG-375HEDP | GG-399HEDP |
| A JACKET WIDTH | 23 ⁵ / ₁₆ | 23 ⁵ / ₁₆ | 26 ¹¹ / ₁₆ | 30 ¹ / ₁₆ | 30 ¹ / ₁₆ | 30 ¹ / ₁₆ | 30 ¹ / ₁₆ |
| B DRAFT HOOD HEIGHT | 59 ⁵ / ₈ | 59 ⁵ / ₈ | 59 ⁵ / ₈ | 66 ¹ / ₈ | 66 ¹ / ₈ | 59 ⁵ / ₈ | 66 ⁵ / ₈ |
| C FLUE COLLAR DIAMETER | 8 | 8 | 8 | 9 | 9 | 10 | 10 |
| D JACKET TOP TO DRAFT HOOD | 17 | 17 | 17 | 22 ¹ / ₂ | 22 ¹ / ₂ | 15 | 18 |
| E CIRCULATOR RETURN FLANGE | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ |
| G RIGHT SIDE TO SUPPLY ζ | 2 ³ / ₄ | 2 ³ / ₄ | 2 ³ / ₄ | 2 ³ / ₄ | 2 ³ / ₄ | 2 ³ / ₄ | 2 ³ / ₄ |
| H FRONT TO SUPPLY ζ | 9 ¹ / ₄ | 9 ¹ / ₄ | 9 ¹ / ₄ | 9 ¹ / ₄ | 9 ¹ / ₄ | 9 ¹ / ₄ | 9 ¹ / ₄ |

GAS VALVE CONNECTION—Size is 1/2" f.p.t. for all models, except GG-250 and larger, which are 3/4" f.p.t.

Slant/Fin
GALAXY™
Built for superb performance and long life.

| DIMENSIONS INCHES | MODEL GXH SERIES | | | | | | | | | | MODEL GXHA SERIES | | | |
|--------------------------------|---|---------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--|-------------------------------|--------------------------------|--|
| | HOT WATER WITH TANKLESS HEATER — LOW PRESSURE STEAM WITH OPTIONAL TANKLESS HEATER | | | | | | | | | | LOW PRESSURE STEAM WITH OPTIONAL TANKLESS HEATER | | | |
| | WATER | | | | | STEAM | | | | | | | | |
| | GXH-105EDPT | GXH-125EDPT | GXH-150EDPT | GXH-170EDPT | GXH-190EDPT | GXH-230ED | GXH-250ED | GXH-275ED | GXH-300HED | | | | | |
| A JACKET WIDTH | 16 ⁹ / ₁₆ | 16 ⁹ / ₁₆ | 19 ¹⁵ / ₁₆ | 19 ¹⁵ / ₁₆ | 19 ¹⁵ / ₁₆ | 23 ⁵ / ₁₆ | 26 ¹ / ₁₆ | 26 ¹ / ₁₆ | 26 ¹ / ₁₆ | 16 ¹ / ₂ | 16 ¹ / ₂ | 20 | 23 ¹ / ₄ | |
| B DRAFT HOOD HEIGHT | 46 ⁵ / ₈ | 53 ¹ / ₄ | 55 ¹ / ₂ | 55 ¹ / ₂ | 55 ¹ / ₂ | 55 ¹ / ₂ | 55 ¹ / ₂ | 55 ¹ / ₂ | 59 ¹ / ₈ | — | — | — | — | |
| C FLUE COLLAR DIAMETER | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 5 | 6 | 6 | 7 | |
| D JACKET TOP TO DRAFT HOOD | 6 ³ / ₄ | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | — | — | — | — | |
| E CIRCULATOR RETURN FLANGE | 1 ¹ / ₂ | 1 ¹ / ₄ | 1 ¹ / ₄ | 1 ¹ / ₄ | 1 ¹ / ₄ | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ | 1 ¹ / ₂ | — | — | — | — | |
| F TANKLESS COIL CONNECTIONS | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 1/2 | 1/2 | 1/2 | 3/4 | |
| G RIGHT SIDE TO SUPPLY ζ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | 3 ¹ / ₂ | |
| H FRONT TO SUPPLY ζ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | 9 ³ / ₄ | |

GAS VALVE CONNECTION—Size is 1/2" f.p.t. for all models, except GXH-230 and larger, which are 3/4" f.p.t.

VENT TAPPING: 1/2" for all water models.

§ Crates for all models are 30" wide, 38" high, depth 30" (GG-75 through GG-225) and (GXH-105 through GXH-190), 38" (GG-250 through GG-399), 40-1/4" (GXH-230 through GXH-300).

Slant/Fin

GALAXY™

Built for superb performance and long life.

RATINGS - NATURAL AND L.P. PROPANE GAS

GG SERIES *Hot Water Model*

| MODEL NUMBER† | RATINGS | | NET AHRI RATING WATER (Btuh)* | AFUE % | NET RATINGS WATER (Sq. Ft.) |
|---------------|------------------|------------------------|-------------------------------|---------|-----------------------------|
| | CSA INPUT (Btuh) | D.O.E. CAPACITY (Btuh) | | | |
| GG-250HEDP | 250,000 | 209,000 | 182,000 | 82.80 | 1211.3 |
| GG-275HEDP | 275,000 | 228,000 | 198,000 | 82.70 | 1322.0 |
| GG-300EDP | 300,000 | 243,000** | 211,000 | 81.10** | 1407.0 |
| GG-350HEDP | 350,000 | 285,000** | 248,000 | 81.40** | 1653.0 |
| GG-375HEDP | 375,000 | 303,000** | 263,000 | 80.90** | 1753.0 |
| GG-399HEDP | 399,000 | 322,000** | 280,000 | 80.60** | 1867.0 |

GXH SERIES *Hot Water Model (Tankless Heaters)*

| MODEL NUMBER† | RATINGS FOR NAT. & LP PROPANE GAS | | | | AFUE % | TANKLESS HEATER CAPACITY (GPM)‡ | VENT SIZE NOMINAL DIA. INCHES |
|---------------|-----------------------------------|------------------------|------------------|-----------------|--------|---------------------------------|-------------------------------|
| | HOT WATER | | NET RATINGS* | | | | |
| | CSA INPUT (Btuh) | D.O.E. CAPACITY (Btuh) | AHRI WATER (MBH) | WATER (SQ. FT.) | | | |
| GXH-105EDPT | 105 | 87,000 | 75.0 | 500 | 82.50 | 2½ | 5 |
| GXH-125EDPT | 126 | 104,000 | 90.0 | 600 | 82.50 | 3 | 6 |
| GXH-150EDPT | 147 | 122,000 | 106.0 | 706 | 82.50 | 3¾ | 7 |
| GXH-170EDPT | 168 | 140,000 | 122.0 | 813 | 82.50 | 3¾ | 7 |
| GXH-190EDPT | 189 | 158,000 | 137.0 | 913 | 82.60 | 3¾ | 7 |

GXH and GXHA Low Pressure Steam Models (Tankless heater) GXHA models have integral draft diverter.

| MODEL NUMBER† | RATINGS FOR NAT. & LP PROPANE GAS | | | | AFUE % | TANKLESS HEATER CAPACITY (GPM)‡ | VENT SIZE NOMINAL DIA. INCHES |
|---------------|-----------------------------------|------------------------|------------------|----------------------|---------|---------------------------------|-------------------------------|
| | STEAM | | NET RATINGS* | | | | |
| | CSA INPUT (Btuh) | D.O.E. CAPACITY (Btuh) | AHRI STEAM (MBH) | AHRI STEAM (SQ. FT.) | | | |
| GXHA-100ED | 100 | 81,000 | 61.0 | 254 | 81.00 | 2½ | 5 |
| GXHA-120ED | 120 | 97,000 | 73.0 | 304 | 81.20 | 3 | 6 |
| GXHA-160ED | 160 | 130,000 | 98.0 | 408 | 81.20 | 3¾ | 6 |
| GXHA-200ED | 200 | 163,000 | 122.0 | 508 | 81.30 | 4 | 7 |
| GXH-230ED | 231 | 189,000 | 142.0 | 591 | 81.20 | 4¾ | 7 |
| GXH-250ED | 252 | 206,000 | 155.0 | 646 | 81.20 | 4¾ | 7 |
| GXH-275ED | 273 | 223,000 | 167.0 | 696 | 81.30 | 5 | 7 |
| GXH-300HED§ | 300 | 243,000** | 182.0 | 758 | 81.00** | 5½ | 9 |

± GG models: Add suffix "P" for packaged water boiler. Type of gas: After model number, specify gas by name "Natural" or "Propane"
 * Net ratings are based on a piping and pick-up allowance of 1.33 (steam) and 1.15 (hot water). Slant/Fin should be consulted before selecting a boiler for installation having unusual piping and pick-up requirements. Ratings must be reduced by 4% at 2,000 feet elevation and an additional 4% for every additional 1,000 feet elevation over 2,000 feet.

† GXH model: Add suffix "PT" for standard water boiler with tankless heater, "PZ" for steam boiler, "PZT" for packaged steam boiler with tankless heater. Type of gas: After model number, specify gas by name "Natural" or "Propane".
 ** Gross output rating (Btuh) and thermal efficiency
 § Ratings for GXH-300H are for natural gas only.
 ‡ Tankless heater ratings based on intermittent draw.

NOTE: All boilers under 300,000 Btu input are tested and rated for capacity under the U.S. Dept. of Energy (D.O.E.) Test Procedure for boilers.

Equipment

ALL MODELS include pre-assembled heat exchanger; base; flue collector; gas burners; gas orifices and manifold assembly; combination gas valve including manual shut-off, pressure regulator, pilot adj., safety; pressure relief valve (ASME); draft hood (integral draft diverter in GXHA models); blocked vent safety switch; rollout safety switch; pre-assembled insulated semi-extended jacket (extended as shown); automatic vent damper.

PACKAGED WATER BOILER includes all equipment listed for ALL MODELS and for model S, combination control (hi limit and low limit), circulator; drain cock.

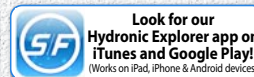
PACKAGED WATER BOILER WITH TANKLESS HEATER (SUFFIX PT) includes all equipment listed for ALL MODELS, plus built-in air eliminator; pressure and temperature gauge; circulator; drain cock; and lo-limit; tankless heater.

Before purchasing this appliance read important energy costs and efficiency information available from your contractor.

PACKAGED STEAM BOILER (SUFFIX PZ) includes all equipment listed for ALL MODELS, plus steam pressure limit control with siphon; pressure gauge; low water cutoff and water level sight glass (unmounted); drain cock, transformer and junction box.

PACKAGED STEAM BOILER WITH TANKLESS HEATER (SUFFIX PZT) includes all equipment listed for ALL MODELS and for model PZ, plus tankless heater instead of cover plate; low limit control.

OPTIONAL EQUIPMENT Room thermostat. Air package consisting of diaphragm expansion tank, fill and pressure reducing valve, and automatic air vent. Combustible floor kit.



U.S.A.
 Slant/Fin Corporation • 100 Forest Drive
 Greenvale, NY 11548 • 516-484-2600
 www.slantfin.com

Canada
 Slant/Fin LTD/LTEE • 6450 Northam Drive
 Mississauga, Ontario L4V 1H9 • 905-677-8400
 www.slantfin.ca

