

Note that the LHS one has a lower magnetising inductance, and there is less ringing of the gate drive at startup.
(due to LC time constant situation).
But then again, the LHS hi side drive has more "droop".

FULL BRIDGE LLC CONVERTER as per EXCEL DESIGN DOCUMENT

MAGNETISING CURRENT in primary of transformer
 $I(L1) + 0.465 \cdot I(L15)$

