

HSE NXT

Input (mains side)		1000W		
Parameter	Conditions	min	typ	max
Mains voltage V_{mains}	Operational performance	368 V	400 V	424 V
	Operational safety ¹	360 V	--	440 V
Mains frequency F_{mains}	Operational performance	47.5 Hz	--	63 Hz
	Operational safety	45 Hz	--	66 Hz
Mains power P_{mains}	$P_{la} = 1000W$	--	1032 W	1040 W
Mains current I_{mains}	At P_{la_nom} , $V_{mains} = 400V$	--	2.61 A	2.68 A
	At P_{la_max} , $V_{mains} = 368V$	--	--	3.0 A
Power factor	Within oper. performance mains and at P_{la_nom}	0.95	0.98	--
Distortion	Within oper. performance mains and at P_{la_nom}	According to EN61000-3-2		
THD		--	8 %	15 %
Inrush current I_{mains_pk}	$V_{mains} = 424V$, $Z_{mains} = 0,4\Omega + 0,8mH$	--	--	35 A
Output (lamp side)		min	typ	max
Lamp power P_{la}	$V_{mains} \pm 3\%$ (P_{la_nom})	970 W	1000 W	1030 W
	$V_{mains} -8\%$, $+6\%$ (P_{la_nom})	950 W	--	1050 W
Ignition voltage V_{ign}	$C_{load} < 100pF^2$	--	--	2440 V_{pk}

1. If 60s after ignition $V_{la} < 50V$ the driver will switch off. If $V_{la} > 50V$ at that time, run up will continue for another 240s after which the driver will decrease the lamp current to the maximum I_{la_nom} . Driver will switch off beyond this lamp voltage and report a lamp over voltage fault (LED indication).

2. Typically cable capacity 100pF/meter.