



IGNITION TRANSFORMERS

For UL classification, minimum secondary voltage for pilot ignition transformers is 6000 volts. All units listed below at 6000 volts or above meet this requirement. 6000 volt transformers are adequate for North American ignition systems using 10mm automotive type spark plugs in a pilot tip or burner. Larger center electrode igniters generally require 10 000 volt transformers, such as the 4065-6N1-10A. All units are rated for constant or intermittent duty.

All standard 6000 volt transformers listed below have a junction compartment for the primary splice and a recessed

high voltage terminal to minimize the hazard of accidental shocks. The 4065-6N1-10A (10 000 volt) transformer has a screw-type high voltage terminal and requires a 4085XX-B ignition cable with a 1/4" ring connector. A 12 x 12 enclosure is needed. The high temperature versions, 4065HT-, have wire leads for primary connection.

Transformer cases **must** be grounded to burner bodies through a metallic connection.

Transformer Designation	PRIMARY			SECONDARY		No. of secondary terminals	Weight, lb	4085 Ignition cable req'd. (style)	Enclosure
	volts	hertz	VA	volts	mA				
4065-5N1-6A	120	50	180	6 000	20	1	10	Standard	None
4065-5N4-6A	120	50	180	6 000	20	1	10	Standard	10 x 8 NEMA 4
4065-6N1-10A	120	60	250	10 000	22	1	25	-B	None
4065-6N1-5B	120	60	250	5 000	22	2	15	-A	None
4065-6N1-5D	120	60	500	5 000	22	4	15	-A	None
4065-6N1-6A	120	60	180	6 000	20	1	10	Standard	None
4065-6N4-10A	120	60	250	10 000	22	1	25	-B	12 x 12 NEMA 4
4065-6N4-6A	120	60	180	6 000	20	1	10	Standard	12 x 8 NEMA 4
4065-6N4X-6A	120	60	180	6 000	20	1	10	Standard	10 x 8 NEMA 4X SST
4065-6N7-6A	120	60	180	6 000	20	1	30	Standard	NEMA 7
4065-6N4XF-6A	120	60	180	6 000	20	1	10	Standard	NEMA 4X Fiberglass
4066-5N1-6A	240	50	180	6 000	20	1	10	Standard	None
4066-5N1-12A	230	50	300	12 000	22	1	15	-A	None
4066-5N1-12B	240	50	250	12 000	22	2	17	-A	None
4066-5N4-6A	240	50	180	6 000	20	1	10	Standard	NEMA 4
4066-5N4-12A	230	50	300	12 000	22	1	15	-A	NEMA 4
4066-6N1-6A	240	60	180	6 000	20	1	10	Standard	None
4066-6N4-6A	240	60	180	6 000	20	1	10	Standard	NEMA 4
4066-6N1-5B	240	60	250	5 000	22	2	15	-A	None

DIMENSIONS

inches



