

## CODE LETTERS FOR LOCKED-ROTOR KVA - Nameplate Marking

Letter Designation	KVA per Horsepower *	Letter Designation	KVA per Horsepower *
A	0 - 3.15	K	8.0 - 9.0
B	3.15 - 3.55	L	9.0 - 10.0
C	3.55 - 4.0	M	10.0 - 11.2
D	4.0 - 4.5	N	11.2 - 12.5
E	4.5 - 5.0	P	12.5 - 14.0
F	5.0 - 5.6	R	14.0 - 16.0
G	5.6 - 6.3	S	16.0 - 18.0
H	6.3 - 7.1	T	18.0 - 20.0
J	7.1 - 8.0	U	20.0 - 22.4
		V	22.4 and up

\* Locked KVA per horsepower range includes the lower figure up to, but not including, the higher figure. For example, 3.14 is designated by letter A and 3.15 by letter B.

To determine KVA per HP, use the following formula

KVA / HP where:

$KVA = (\text{Rated volts} \times \text{Inrush current} \times 1.732 \text{ (square root of 3)}) / 1000$

HP = Nameplate HP

This is a better way to compare the inrush of different manufacturers' motors than % inrush current. The reason being that if a motor has a high full load current, the % inrush will be lower than a motor with the same inrush current but a lower full load current.