

Datos de Placa del motor monofásico

$P_H = 1$	$HP (KW) = 2 (1.5)$
$V = 220$	$HZ = 50$
$A = 11.4$	$RPM = 1430$
$I_{ns} = B$	$SF = 1$
$Duty = S1$	$amb = 40^\circ C$
$Code = 1$	$ENCL = ODP$
$\cos \phi = 0.81$	$IP 55$

$$P_c = UI \cos \phi = 220V \times 11.4A \times 0.81 = 2031W$$

$$P_{util} = 1500W$$

$$P_{perdida} = P_{consumo} - P_{util} = 531W$$

$$\rho_{\%} = \frac{P_{util}}{P_{consumo}} \times 100 = \frac{1500W}{2031W} \times 100 = 74\% = \rho_{\% \text{ motor monofásico}}$$