

eLINE Nema Premium Motor Performances

Catalog Number	60 HZ Original Motor	60 HZ Original Motor		60 HZ Derating		50 HZ Derating	50 HZ Derating		
ELP30P2D	460V	230V	208V	190V	380V	380V	190V	400V	415V
	60HZ	60HZ	60HZ	60HZ	60HZ	50HZ	50HZ	50HZ	50HZ
HP	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
KW	22.40	22.40	22.40	22.40	22.40	22.40	22.40	22.40	22.40
Frame	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC
Sync Speed	1800	1800	1800	1800	1800	1500	1500	1500	1500
FL Speed	1780	1780	1780	1765	1765	1470	1470	1475	1475
Torque (lb.ft)	88.5	88.5	88.5	91.3	91.3	109.4	109.4	108.8	108.3
LRT (%)	370	370	370	235	235	290	290	330	360
BDT (%)	390	390	390	255	255	300	300	335	365
FL Amp	37.5	75.0	79.5	91.8	45.9	45.7	91.4	43.4	42.1
LR Amp	350.0	700.0	633.0	563.1	281.6	335.0	670.0	356.2	371.9
SF Amp	45	90.0	90	89.98	44.99	45.7	91.4	45.0	44.99
Eff. (1/4)	84.8	84.8	84.8	-	-	-	-	-	-
Eff. (1/2)	91.3	91.3	91.3	-	-	-	-	-	-
Eff. (3/4)	93	93.0	93	-	-	-	-	-	-
Eff. (FL)	93.6	93.6	93.6	92	92	92.2	92.2	92.7	92.9
Eff. (SF)	93.7	93.7	93.7	-	-	-	-	-	-
Garanteed Eff	92.7	92.7	92.7	-	-	91.1	91.1	91.7	91.9
PF (1/4)	39.0	39.0	39.0	-	-	-	-	-	-
PF (1/2)	61.0	61.0	61.0	-	-	-	-	-	-
PF (3/4)	73.0	73.0	73.0	-	-	-	-	-	-
PF (FL)	80.0	80.0	80.0	81.0	81.0	81.0	81.0	80.0	80.0
PF (SF)	84.0	84.0	84.0	-	-	-	-	-	-
Service Factor	1.20	1.20	1.20	1.03	1.03	1.00	1.00	1.08	1.13
NEMA Code Letter	L	L	L	G	G	J	J	K	K
NEMA Design	A	A	A	A	A	A	A	A	A
Max KVAR	17.9	17.9	17.9	17.7	17.7	17.6	17.6	18.0	18.2
WK² (Lb-Ft²)	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84
Net Weight (lbs)	441	441	441	441	441	441	441	441	441
Bearing (DE)	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z
Bearing (ODE)	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z	6311 2Z
Noise Level (dBA)	78	78	78	78	78	78	78	78	78

The Above Data is Typical, Sinewave Power Unless Noted Otherwise