

eLINE Nema Premium Motor Performances

Catalog Number	60 HZ Original Motor	60 HZ Original Motor		60 HZ Derating		50 HZ Derating	50 HZ Derating		
ELP20P3D	460V	230V	208V	190V	380V	380V	190V	400V	415V
	60HZ	60HZ	60HZ	60HZ	60HZ	50HZ	50HZ	50HZ	50HZ
HP	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
KW	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Frame	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC	286T / TC
Sync Speed	1200	1200	1200	1200	1200	1000	1000	1000	1000
FL Speed	1185	1185	1185	1175	1175	980	980	980	985
Torque (lb.ft)	88.5	88.5	88.5	89.8	89.8	109.4	109.4	108.6	108.3
LRT (%)	380	380	380	230	230	290	290	335	365
BDT (%)	320	320	320	205	205	245	245	275	300
FL Amp	25.5	51.0	54.1	61.2	30.6	30.7	61.4	29.4	28.7
LR Amp	221.0	442.0	399.7	348.4	174.2	203.3	406.7	216.8	227.2
SF Amp	31.6	63.2	63.2	63.2	31.6	31.6	63.2	31.6	31.6
Eff. (1/4)	81.9	81.9	81.9	-	-	-	-	-	-
Eff. (1/2)	89.1	89.1	89.1	-	-	-	-	-	-
Eff. (3/4)	91.1	91.1	91.1	-	-	-	-	-	-
Eff. (FL)	91.7	91.7	91.7	90	90	90.3	90.3	90.8	91.1
Eff. (SF)	91.4	91.4	91.4	-	-	-	-	-	-
Garanteed Eff	90.6	90.6	90.6	-	-	89.0	89.0	89.6	89.9
PF (1/4)	42.0	42.0	42.0	-	-	-	-	-	-
PF (1/2)	63.0	63.0	63.0	-	-	-	-	-	-
PF (3/4)	74.0	74.0	74.0	-	-	-	-	-	-
PF (FL)	80.0	80.0	80.0	82.0	82.0	82.0	82.0	81.0	80.0
PF (SF)	83.0	83.0	83.0	-	-	-	-	-	-
Service Factor	1.20	1.20	1.20	1.03	1.03	1.03	1.03	1.08	1.11
NEMA Code Letter	L	L	L	G	G	H	H	J	K
NEMA Design	A	A	A	A	A	A	A	A	A
Max KVAR	12.2	12.2	12.2	11.5	11.5	11.6	11.6	11.9	12.4
WK ² (Lb-Ft ²)	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03	6.03
Net Weight (lbs)	421	421	421	421	421	421	421	421	421
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