

eLINE Nema Premium Motor Performances

Catalog Number	60 HZ Original Motor	60 HZ Original Motor		60 HZ Derating		50 HZ Derating	50 HZ Derating		
ELP7P3D	460V	230V	208V	190V	380V	380V	190V	400V	415V
	60HZ	60HZ	60HZ	60HZ	60HZ	50HZ	50HZ	50HZ	50HZ
HP	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
KW	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60
Frame	254T / TC	254T / TC	254T / TC	254T / TC	254T / TC	254T / TC	254T / TC	254T / TC	254T / 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)	33.2	33.2	33.2	33.8	33.8	40.8	40.8	40.5	40.4
LRT (%)	320	320	320	210	210	260	260	290	320
BDT (%)	350	350	350	230	230	270	270	300	325
FL Amp	10.4	20.8	22	23.2	11.6	12.1	24.2	11.8	11.7
LR Amp	77.5	155.0	128.4	127.3	63.6	75.0	150.1	79.6	83.0
SF Amp	12.8	25.6	25.6	25.6	12.78	12.78	25.6	12.8	12.78
Eff. (1/4)	81.1	81.1	81.1	-	-	-	-	-	-
Eff. (1/2)	88.6	88.6	88.6	-	-	-	-	-	-
Eff. (3/4)	90.6	90.6	90.6	-	-	-	-	-	-
Eff. (FL)	91	91.0	91	90.4	90.4	90	90	90.2	90.3
Eff. (SF)	90.9	90.9	90.9	-	-	-	-	-	-
Garanteed Eff	89.8	89.8	89.8	-	-	88.7	88.7	88.9	89.0
PF (1/4)	34.0	34.0	34.0	-	-	-	-	-	-
PF (1/2)	54.0	54.0	54.0	-	-	-	-	-	-
PF (3/4)	67.0	67.0	67.0	-	-	-	-	-	-
PF (FL)	74.0	74.0	74.0	81.0	81.0	78.0	78.0	76.0	74.0
PF (SF)	78.0	78.0	78.0	-	-	-	-	-	-
Service Factor	1.30	1.30	1.30	1.09	1.09	1.06	1.06	1.13	1.16
NEMA Code Letter	K	K	K	F	F	H	H	J	J
NEMA Design	A	A	A	A	A	A	A	A	A
Max KVAR	5.6	5.6	5.6	4.5	4.5	5.0	5.0	5.3	5.7
WK ² (Lb-Ft ²)	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
Net Weight (lbs)	321	321	321	321	321	321	321	321	321
Bearing (DE)	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z
Bearing (ODE)	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z	6309 2Z
Noise Level (dBA)	69	69	69	69	69	69	69	69	69

The Above Data is Typical, Sinewave Power Unless Noted Otherwise