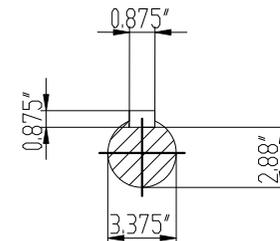
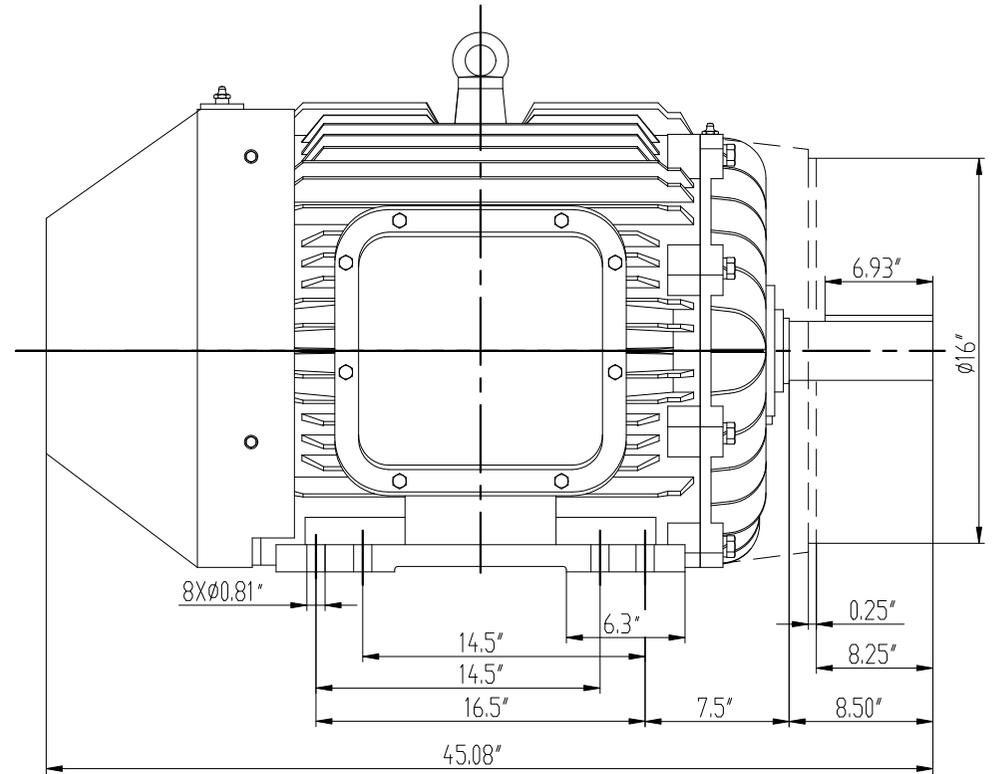
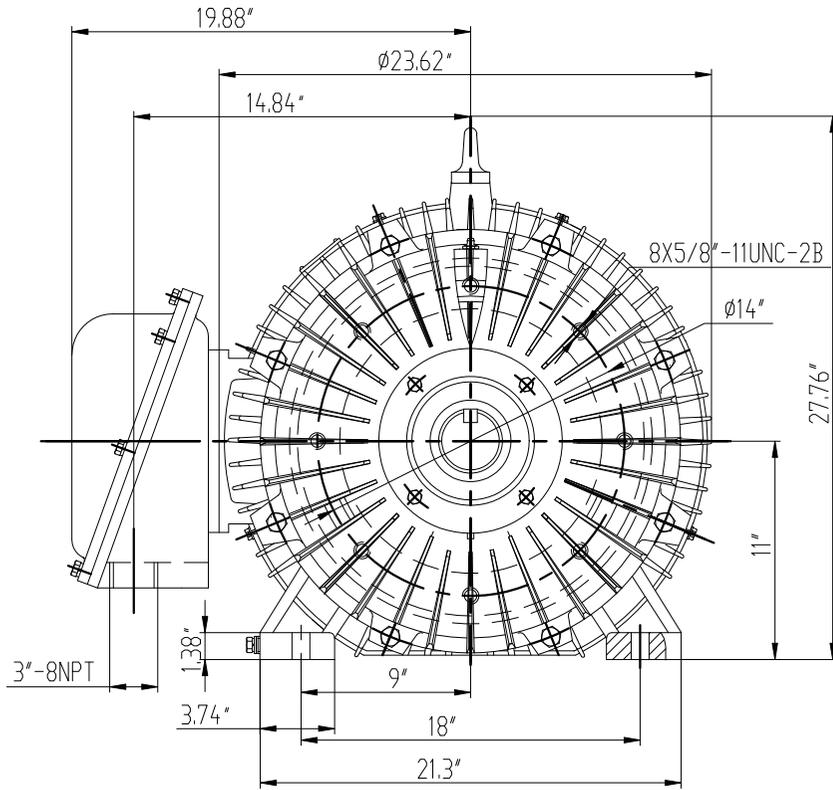


# Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC6N125-9		445T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		125		Hp	
All Data Below based on 460V @ 60hz				Variable torque 10:1		Supply	
Item No.				Constant torque 5:1		460	
Sales order / Line no.				L.R. PF		Connection type	
Account No.				0.276		D	
Load (Hp)		Full	3/4	Amps			
Efficiency		95	95.1	@460V		135.0	
Power Factor		0.84	0.84	N.L. amps		Hertz	
Amps (Ia) at 460V		135.0	109.9	20.6		60	
Speed (rpm)		1191	1193	N.L. PF		Poles/rpm	
				0.2		6 / 1200	
Speed / Torque Curve 				Duty		Cooling Code	
				S1		TEFC/IC411	
FLT (Mn)		547.1		Efficiency		Temperature rise Class	
		ft-lb		PREMIUM		B	
LRT (DOL) (Ma/Mn)		1.5	FLT	Insulation			
				F			
LRT (DOL) 80% V		1.0	FLT	Phase		cos Ø	
				3		0.84	
PUT (Ms/Mn)		0.7	FLT	Service Factor		IP	
				1.15		55	
POT (Mk/Mn)		2.0	FLT	Noise pressure level at 1m no load		74 dB(A)	
				DE bearing Ref.		NU218	
				NDE bearing Ref.		6314/C3	
				Lubrication grease			
				Lubrication interval (hrs)		DE 6300	
						NDE 7680	
				Rotor inertia		2.9 kgm/sq	
				Vibration levels less than		2.2 mm/sec	
				Shaft details		Ø 3.375" x 8.50" LONG EXT'N	
				T.Box entry		3"-8NPT	
				Motor weight (Approx. net)		1713.285 lb	
Speed / Current Curve 				L.R. Time hot		46 secs	
				L.R. Time cold		90.4 secs	
LRC (DOL) (Ia/In)		5.7	FLC	A.R.T. 100% Volts		46 secs	
				A.R.T. 80% Volts		96.4 secs	
LRC (DOL) 80% V		3.0	FLC	Number of terminals		3 wire	
				NEMA Design letter		G	
External inertia (WR^2)		KGM^2		Maximum volts drop at start:		20%	
No of starts/Hr with above inertia				Maximum Altitude		3300 ft	
Starting time with above inertia		Secs		Ambient temp range		-20 - 40 °C	
Remarks				Thermal time constant		90 Minutes	
				Direction of rotation		CW/CCW/BI	
				Winding thermistors fitted		As Option °F	
				Winding thermostats fitted		As Option °F	
				Anti condensation heaters		1/120V/75W Volts	
				Drawing number		1AP.050.0231.8WXY	
				Certifying Authority		CSA (C=US)	
				Certificate No.			
				Marking		 Class 1 Div 2 Grps A,B,C,D	

1AP.050.0559.1-10WXY



MODEL	U	R	S	N-W	C	ES	AH
NSHE444TS/TSC-2 125HP	2.375"	2.021"	0.625"	4.75"	41.34"	3.03"	4.5"
NSHE445TS/TSC-2 150HP							
NSHE444TS/TSC-4 125HP							
NSHE445TS/TSC-4 150HP	3.375"	2.88"	0.875"	8.50"	45.08"	6.93"	8.25"
NSHE444T/TC-4 125HP							
NSHE445T/TC-4 150HP							
NSHE444T/TC-6 100HP							
NSHE445T/TC-6 125HP							
NSHE444T/TC-8 75HP							
NSHE445T/TC-8 100HP							

				NSHE444/5 MOTOR		1AP.050.0559.1-10WXY	
LET. REVISION				BY		SCALE	
DESIGN				REN XIADHUA		1:1	
REVIEW				XIE XIADLONG			
APPROVE				YU JIABIN			
DATE				20170522			
				F-1		<b>BROOK CROMPTON</b> Keeping Industry Turning	