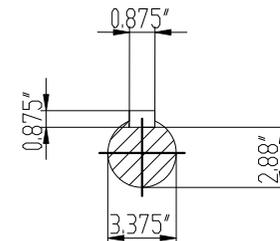
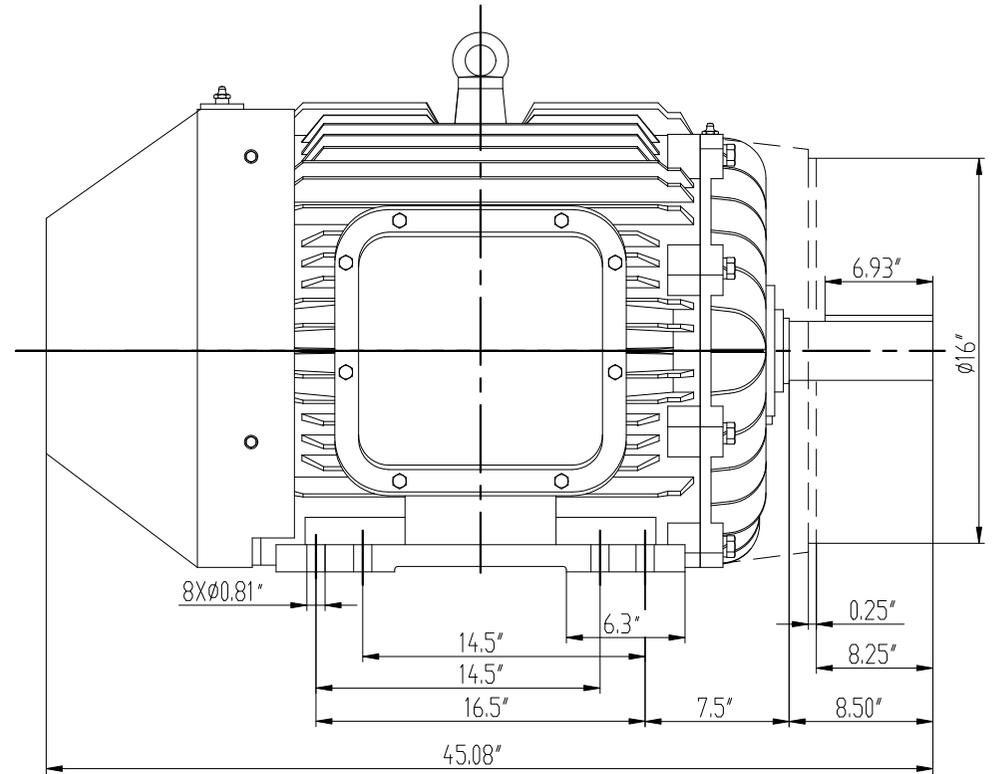
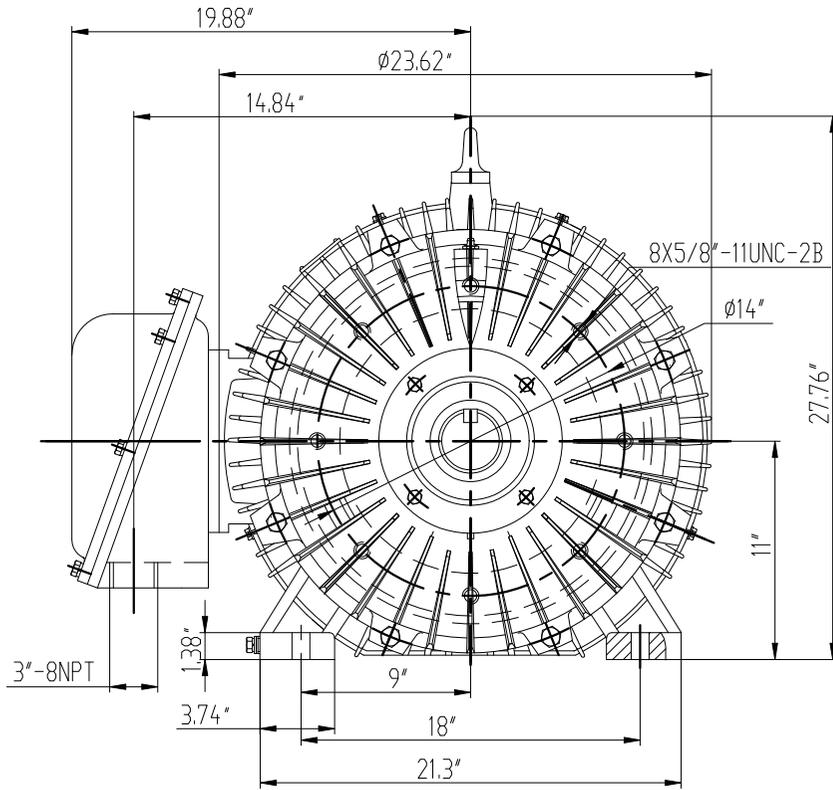


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC2N125-9		444TS	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		125 Hp		Supply 460 V	
All Data Below based on 460V @ 60hz				VFD Duty Variable torque 10:1 Constant torque 5:1		Connection type D	
Item No.				L.R. PF 0.229		Amps @460V 130.0	
Sales order / Line no.				N.L. amps 20.4		Hertz 60	
Account No.				N.L. PF 0.2		Poles/rpm 2 / 3600	
Load (Hp)		Full	3/4	Duty S1		Cooling Code TEFC/IC411	
Efficiency		95	94.8	Efficiency PREMIUM		Insulation F	
Power Factor		0.89	0.89	Phase 3		Service Factor 1.15	
Amps (Ia) at 460V		130.0	103.7	cos Ø 0.89		IP 55	
Speed (rpm)		3586	3590	Noise pressure level at 1m no load 90 dB(A)		Temperature rise Class B	
Speed / Torque Curve 				Lubrication grease		Temperature rise Class B	
				Lubrication interval (hrs)		DE 2380 NDE 2380	
FLT (Mn)		182.4 ft-lb		Rotor inertia 0.79 kgm/sq		Vibration levels less than 2.2 mm/sec	
LRT (DOL) (Ma/Mn)		1.4	FLT 250.6	Shaft details Ø 2.375" x 4.75" LONG EXT'N		T.Box entry 3"-8NPT	
LRT (DOL) 80% V		0.9	FLT 160.4	Motor weight (Approx. net) 1578.78 lb			
PUT (Ms/Mn)		0.8	FLT 139.2	L.R. Time hot 58.7 secs			
POT (Mk/Mn)		3.0	FLT 551.5	L.R. Time cold 100.6 secs			
Speed / Current Curve 				A.R.T. 100% Volts 58.7 secs			
				A.R.T. 80% Volts 94.8 secs			
LRC (DOL) (Ia/In)		6.2	FLC 1134.3	Number of terminals 3 wire			
LRC (DOL) 80% V		3.9	FLC 507	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/76W Volts			
				Drawing number 1AP.050.0231.1WXY			
				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	
						WEIGHT	SCALE
							1:1
LET. REVISION BY DATE				F-1		BROOK CROMPTON Keeping Industry Turning	
DESIGN REN XIADHUA							
REVIEW XIE XIADLONG							
APPROVE YU JIABIN							
DATE 20170522							