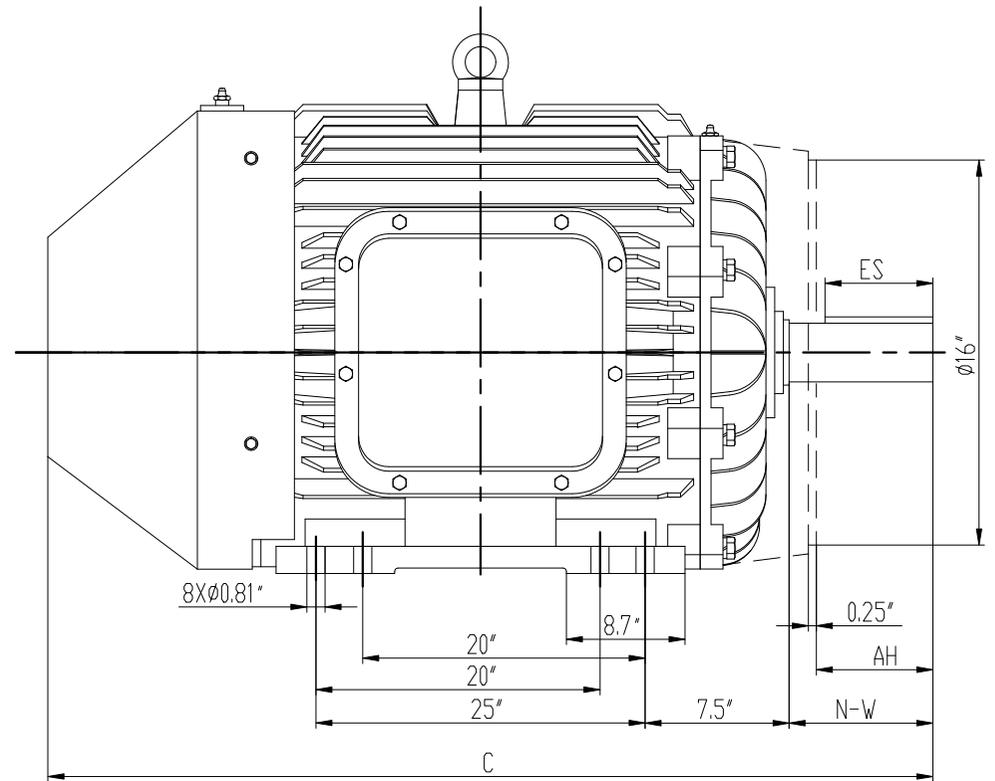
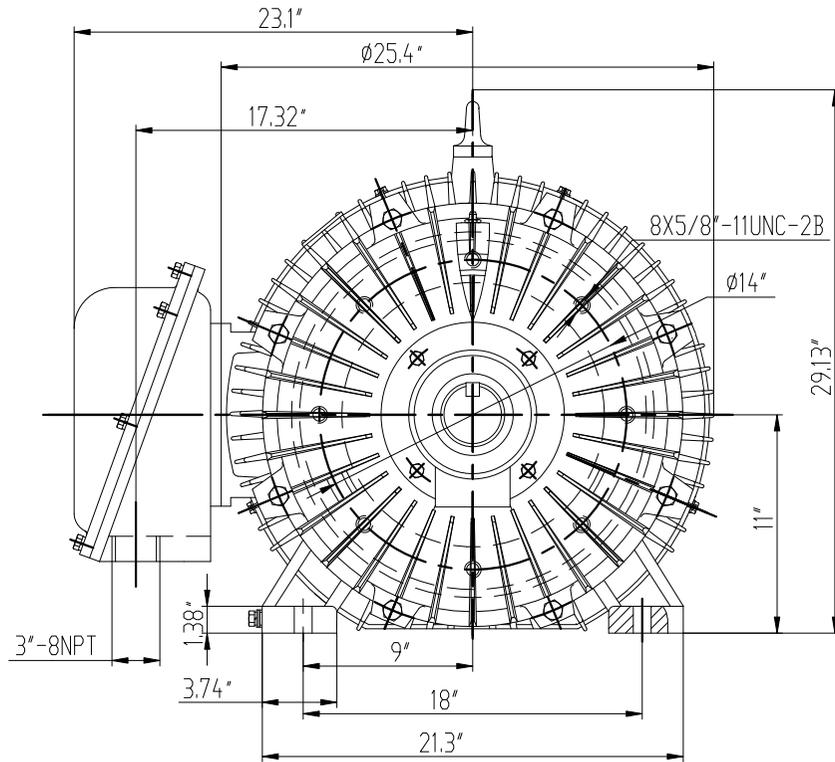


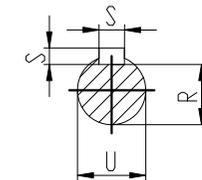
Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC4N250-9		449T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		250		Hp	
All Data Below based on 460V @ 60hz				Variable torque 10:1 Constant torque 5:1		Supply	
Item No.				L.R. PF		460	
Sales order / Line no.				0.239		V	
Account No.				N.L. amps		Connection type	
Load (Hp)		Full	3/4	37.8		D	
Efficiency		96.2	96.3	N.L. PF		Amps	
Power Factor		0.85	0.85	0.2		@460V 268.0	
Amps (Ia) at 460V		268.0	214.4	Duty		Hertz	
Speed (rpm)		1788	1791	S1		60	
Speed / Torque Curve 				Cooling Code		Poles/rpm	
				TEFC/IC411		4 / 1800	
Efficiency		PREMIUM		Insulation		Temperature rise Class	
Phase		3		F		B	
Service Factor		1.15		cos Ø		IP	
Noise pressure level at 1m no load		85		0.85		55	
DE bearing Ref.		NU318		Lubrication grease			
NDE bearing Ref.		6314/C3		Lubrication interval (hrs)		DE 4600 NDE 5940	
FLT (Mn)		729.4		Rotor inertia		4.3	
LRT (DOL) (Ma/Mn)		1.2	FLT 909.6	Vibration levels less than		2.2	
LRT (DOL) 80% V		0.8	FLT 582.2	Shaft details		Ø 3.375" x 8.5" LONG EXT'N	
PUT (Ms/Mn)		0.6	FLT 451.0	T.Box entry		3"-8NPT	
POT (Mk/Mn)		2.0	FLT 1439.9	Motor weight (Approx. net)		2641.59	
Speed / Current Curve 				L.R. Time hot		46.7	
				L.R. Time cold		79.9	
LRC (DOL) (Ia/In)		5.1	FLC 3710.7	A.R.T. 100% Volts		46.7	
LRC (DOL) 80% V		2.9	FLC 771	A.R.T. 80% Volts		84.7	
External inertia (WR^2)		KGM^2		Number of terminals		3 wire	
No of starts/Hr with above inertia				NEMA Design letter		G	
Starting time with above inertia		Secs		Maximum volts drop at start:		20%	
Remarks				Maximum Altitude		3300	
				Ambient temp range		-20 - 40 °C	
				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.050.0278.6WXY	
				Certifying Authority		CSA (C=US)	
				Certificate No.			
				Marking		 Class 1 Div 2 Grps A,B,C,D	

1AP.050.0560.1-10WXY



MODEL	U	R	S	N-W	C	C	ES	AH
NSHE447TS/TSC-2 200HP	φ2.375"	2.021"	0.625"	4.75"	51"	50.79"	3.03"	4.5"
NSHE449TS/TSC-2 250HP						51.97"		
NSHE447TS/TSC-4 200HP						51.97"		
NSHE449TS/TSC-4 250HP	φ3.375"	2.88"	0.875"	8.5"	54.92"	55.71"	6.93"	8.25"
NSHE447T/TC -4 200HP								
NSHE449T/TC -4 250HP								
NSHE447T/TC-6 150HP								
NSHE449T/TC -6 200HP								
NSHE447T/TC-8 125HP	φ3.375"	2.88"	0.875"	8.5"	54.92"	55.71"	6.93"	8.25"
NSHE449T/TC -8 150HP								



				NSHE447/9 MOTOR		1AP.050.0560.1-10WXY	
LET. REVISION				BY		DATE	
DESIGN				REN XIADHUA		WEIGHT	
REVIEW				XIE XIADLONG		SCALE	
APPROVE				YU JIABIN		1:1	
DATE				20170522		F-1	
						BROOK CROMPTON Keeping Industry Turning	