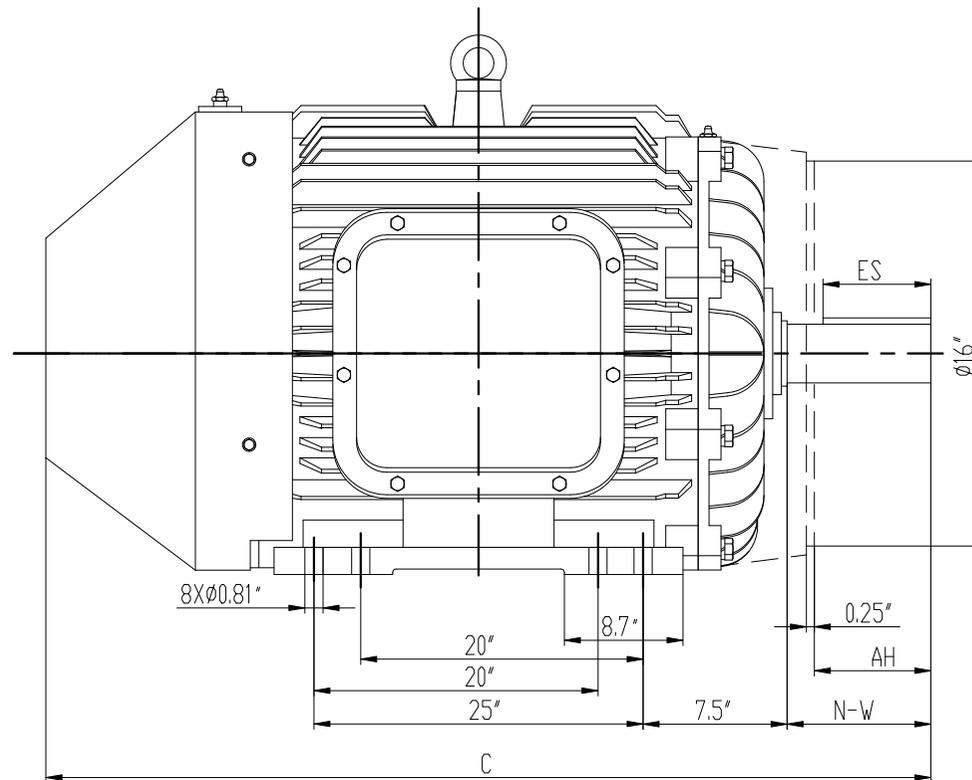
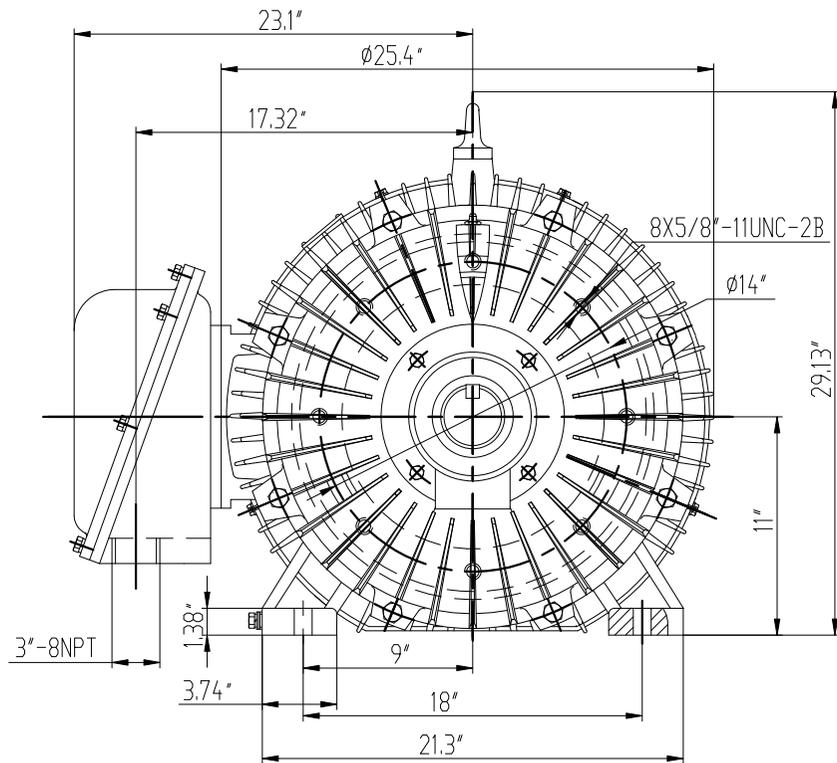


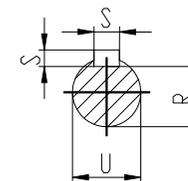
Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC4N200-9		447T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		200 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 0.233		Amps @460V 223.0	
Sales order / Line no.				N.L. amps 31.9		Hertz 60	
Account No.				N.L. PF 0.2		Poles/rpm 4 / 1800	
Load (Hp)		Full	3/4	Duty S1		Cooling Code TEFC/IC411	
Efficiency		96.2	96.2	Efficiency PREMIUM		Insulation F	
Power Factor		0.85	0.85	Phase 3		Service Factor 1.15	
Amps (Ia) at 460V		223.0	171.5	cos Ø 0.85		IP 55	
Speed (rpm)		1789	1792	Noise pressure level at 1m no load 85 dB(A)		Temperature rise Class B	
Speed / Torque Curve		1794		DE bearing Ref. NU318		NDE bearing Ref. 6314/C3	
				Lubrication grease		Lubrication interval (hrs)	
				DE 4600		NDE 5940	
FLT (Mn)		583.6 ft-lb		Rotor inertia 3.5 kgm/sq		Vibration levels less than 2.2 mm/sec	
LRT (DOL) (Ma/Mn)		1.3	FLT 751.0 ft-lb	Shaft details Ø 3.375" x 8.5" LONG EXT'N		T.Box entry 3"-8NPT	
LRT (DOL) 80% V		0.8	FLT 480.7 ft-lb	Motor weight (Approx. net) 2376.99 lb			
PUT (Ms/Mn)		0.6	FLT 375.5 ft-lb	L.R. Time hot 55.8 secs		L.R. Time cold 95.5 secs	
POT (Mk/Mn)		2.1	FLT 1242.4 ft-lb	A.R.T. 100% Volts 55.8 secs		A.R.T. 80% Volts 100.4 secs	
Speed / Current Curve				Number of terminals 3 wire		NEMA Design letter G	
				Maximum volts drop at start: 20%		Maximum Altitude 3300 ft	
				Ambient temp range -20 - 40 °C		Thermal time constant 90 Minutes	
LRC (DOL) (Ia/In)		5.4	FLC 3143.6 amps	Winding thermistors fitted As Option		Winding thermostats fitted As Option	
LRC (DOL) 80% V		3.1	FLC 691 amps	Anti condensation heaters 1/120V/75W Volts		Drawing number 1AP.050.0278.5WXY	
External inertia (WR^2) KGM^2				Certifying Authority CSA (C=US)			
No of starts/Hr with above inertia				Certificate No.			
Starting time with above inertia Secs				Marking  Class 1 Div 2 Grps A,B,C,D			
Remarks							

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	