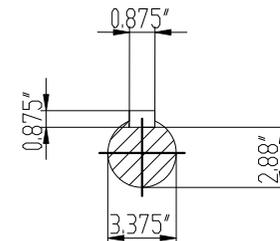
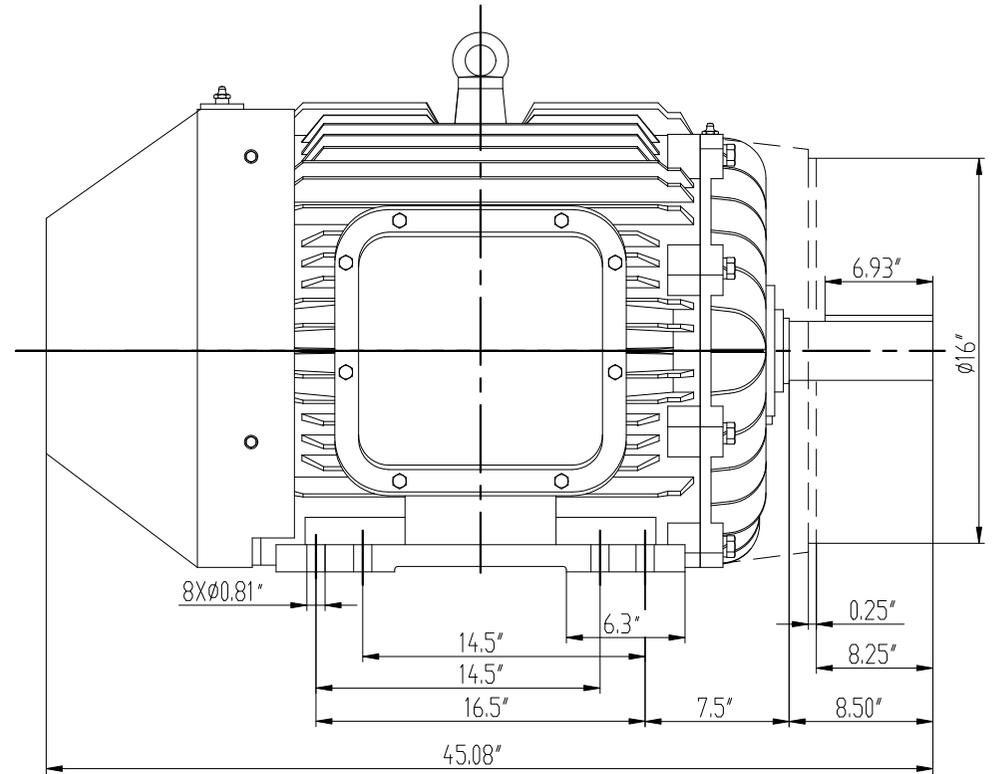
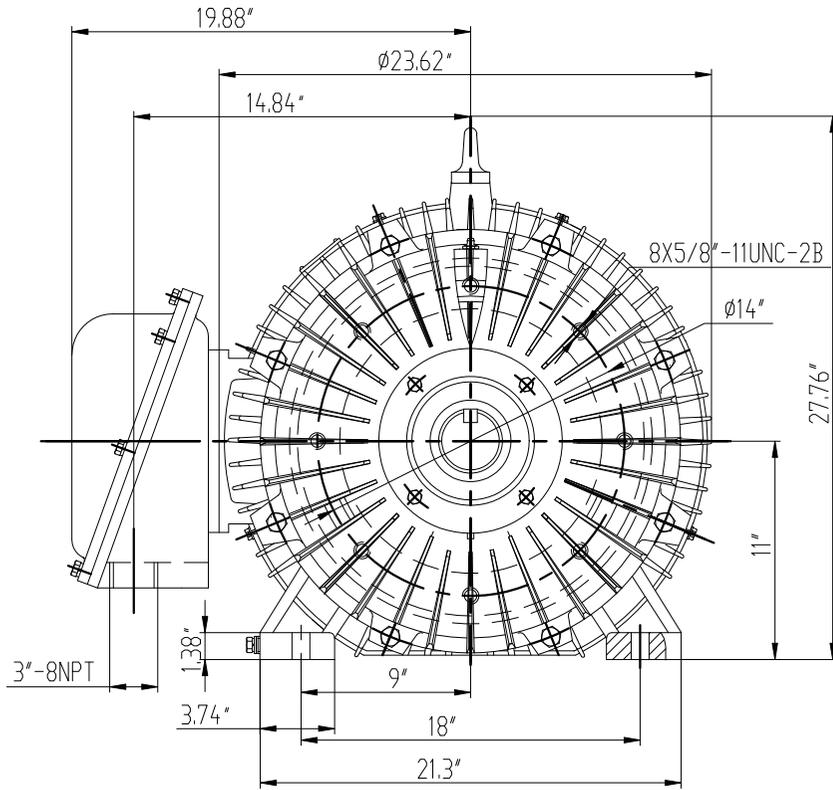


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC2N150-9		445TS	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		150		Hp	
All Data Below based on 460V @ 60hz				VFD Duty Variable torque 10:1 Constant torque 5:1		Supply	
Item No.				L.R. PF		460	
Sales order / Line no.				0.24		V	
Account No.				Amps		@460V 160.0	
Load (Hp)		Full	3/4	N.L. amps		Hertz	
Efficiency		95	94.9	24		60	
Power Factor		0.87	0.87	N.L. PF		Poles/rpm	
Amps (Ia) at 460V		160.0	127.3	0.2		2 / 3600	
Speed (rpm)		3585	3589	Duty		Cooling Code	
Speed / Torque Curve 				S1		TEFC/IC411	
				Efficiency PREMIUM		Insulation F	
Phase		Service Factor		cos Ø		IP	
3		1.15		0.87		55	
Noise pressure level at 1m no load				90 dB(A)			
DE bearing Ref.				6314/C3			
NDE bearing Ref.				6314/C3			
Lubrication grease							
Lubrication interval (hrs)				DE 2380 NDE 2380			
FLT (Mn)		218.8		Rotor inertia		0.97 kgm/sq	
LRT (DOL) (Ma/Mn)		1.4	FLT 296.1	Vibration levels less than		2.2 mm/sec	
LRT (DOL) 80% V		0.9	FLT 189.5	Shaft details		Ø 2.375" x 4.75" LONG EXT'N	
PUT (Ms/Mn)		0.8	FLT 165.6	T.Box entry		3"-8NPT	
POT (Mk/Mn)		2.8	FLT 615.8	Motor weight (Approx. net)			
				1713.285 lb			
Speed / Current Curve 				L.R. Time hot		45.2 secs	
				L.R. Time cold		77.3 secs	
LRC (DOL) (Ia/In)		5.8	FLC 1268.4	A.R.T. 100% Volts		45.2 secs	
LRC (DOL) 80% V		3.6	FLC 580	A.R.T. 80% Volts		72.7 secs	
External inertia (WR^2)				KGM^2			
No of starts/Hr with above inertia							
Starting time with above inertia				Secs			
Remarks				Motor weight (Approx. net)			
				1713.285 lb			
				L.R. Time hot		45.2 secs	
				L.R. Time cold		77.3 secs	
				A.R.T. 100% Volts		45.2 secs	
				A.R.T. 80% Volts		72.7 secs	
				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	
				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.050.0231.2WXY	
				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							

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