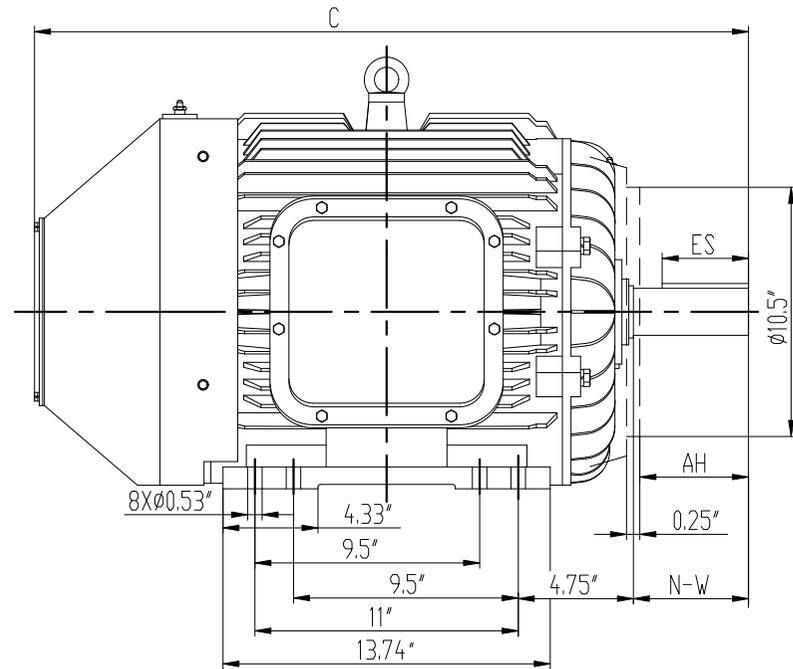
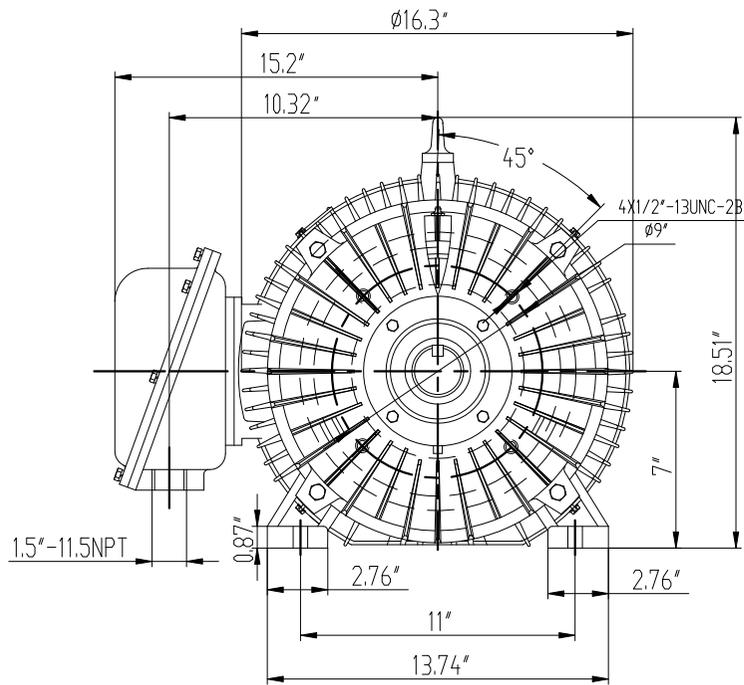
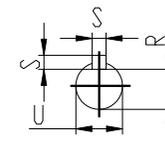


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC4N030-9		286T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		30		Hp	
All Data Below based on 460V @ 60hz				VFD Duty Variable torque 10:1 Constant torque 5:1		Supply 460	
Item No.				L.R. PF 0.316		Connection type D	
Sales order / Line no.				Amps @460V 32.5			
Account No.				N.L. amps 5.1		Hertz 60	
Load (Hp)		Full	3/4	1/2	N.L. PF 0.2		Poles/rpm 4 / 1800
Efficiency		93.6	93.7	93.1	Duty S1		Cooling Code TEFC/IC411
Power Factor		0.87	0.87	0.86	Efficiency PREMIUM		Insulation F
Amps (Ia) at 460V		32.5	25.8	17.5	Phase 3		Service Factor 1.15
Speed (rpm)		1777	1783	1789	cos Ø 0.87		IP 55
Speed / Torque Curve 				Temperature rise Class B		Noise pressure level at 1m no load 69 dB(A)	
				DE bearing Ref. 6310/C3		NDE bearing Ref. 6310/C3	
FLT (Mn)				87.5		ft-lb	
LRT (DOL) (Ma/Mn)		1.5	FLT	131.7	Rotor inertia 0.4		kgm/sq
LRT (DOL) 80% V		1.0	FLT	84.3	Vibration levels less than 1.8		mm/sec
PUT (Ms/Mn)		0.8	FLT	67.0	Shaft details Ø 1.875" x 4.62" LONG EXT'N		
POT (Mk/Mn)		2.6	FLT	226.4	T.Box entry 1-1/2"NPT		
Speed / Current Curve 				Motor weight (Approx. net) 544.635		lb	
LRC (DOL) (Ia/In)				5.6		FLC 486.3	
LRC (DOL) 80% V		3.3	FLC	107	L.R. Time hot 45.4		secs
External inertia (WR^2)				KGM^2		L.R. Time cold 94.8	
No of starts/Hr with above inertia						A.R.T. 100% Volts 45.4	
Starting time with above inertia				Secs		A.R.T. 80% Volts 80.2	
Remarks						Number of terminals 3 wire	
						NEMA Design letter G	
						Maximum volts drop at start: 20%	
						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/76W Volts	
						Drawing number 1AP.050.0274.6WXY	
						Certifying Authority CSA (C=US)	
						Certificate No.	
						Marking  Class 1 Div 2 Grps A,B,C,D	



MODEL	ES	U	R	S	N-W	C
NSHE284TS/TSC-2 25HP	1.93	Ø1.625	1.416	0.375	3.25	27.16
NSHE286TS/TSC-2 30HP	1.93	Ø1.625	1.416	0.375	3.25	27.16
NSHE284TS/TSC-4 25HP	1.93	Ø1.625	1.416	0.375	3.25	27.16
NSHE286TS/TSC-4 30HP	1.93	Ø1.625	1.416	0.375	3.25	27.16
NSHE284T/TC-4 25HP	3.3	Ø1.875	1.591	0.5	4.62	28.54
NSHE286T/TC-4 30HP	3.3	Ø1.875	1.591	0.5	4.62	28.54
NSHE284T/TC-6 15HP	3.3	Ø1.875	1.591	0.5	4.62	28.54
NSHE286T/TC-6 20HP	3.3	Ø1.875	1.591	0.5	4.62	28.54
NSHE284T/TC-8 10HP	3.3	Ø1.875	1.591	0.5	4.62	28.54
NSHE286T/TC-8 15HP	3.3	Ø1.875	1.591	0.5	4.62	28.54



				1AP.050.0555.1-10WXY		
				NSHE280 MOTOR	WEIGHT	SCALE
				F-1		1:1
LET.	REVISION	BY	DATE			
DESIGN	REN XIADHUA					
REVIEW	XIE XIADLONG					
APPROVE	YU JIABIN					
DATE	20170522					