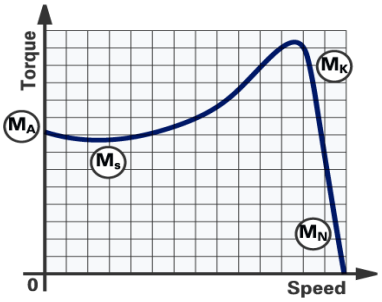
Motor Data Sheet

BROOK CROMPTON
Keeping Industry Turning

Supplied To.					**Type Code**		**Frame Ref.**
					MC2N002-9		*145T*
					Starting Method		
Manufacturing Standard					**Output** Hp		**Supply** V
NEMA MG-1, IEEE841					*2*		*460*
Frame Material	**Mounting**				**VFD Duty**		**Connection type**
Cast Iron	*F1/F2*				*Variable torque 10:1*		Y
All Data Below based on 460V @ 60hz					*Constant torque 5:1*		
Item No.					**L.R. PF**		**Amps**
Sales order / Line no.					*0.435*		*@460V 2.5*
Account No.							
Load (Hp)	**Full**	**3/4**	**1/2**		**N.L. amps**		**Hertz**
Efficiency	*85.5*	*86*	*85.3*		*0.6*		*60*
Power Factor	*0.86*	*0.86*	*0.85*		**N.L. PF**		**Poles/rpm**
Amps (Ia) at 460V	*2.5*	*1.9*	*1.3*		*0.2*		*2 / 3600*
Speed (rpm)	*3504*	*3548*	*3565*		**Duty**		**Cooling Code**
					S1		*TEFC/IC411*

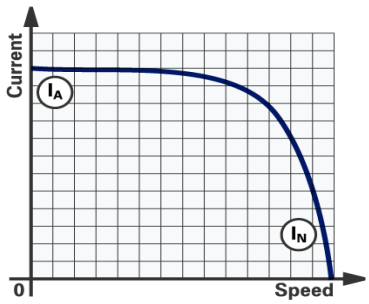
Speed / Torque Curve



Efficiency	**Insulation**	**Temperature rise Class**	
PREMIUM	*F*	*B*	
Phase	**Service Factor**	**cos Ø**	**IP**
3	*1.15*	*0.86*	*55*

Noise pressure level at 1m no load					*71*	dB(A)	
DE bearing Ref.					*6205/C3*		
NDE bearing Ref.					*6205/C3*		
Lubrication grease							
Lubrication interval (hrs)					*DE 5030*		
					NDE 5030		
FLT (Mn)			*2.9*	ft-lb	**Rotor inertia**	*0.0035*	kgm/sq
LRT (DOL) (Ma/Mn)	*1.9*	FLT	*5.5*	ft-lb	**Vibration levels less than**	*1.8*	mm/sec
LRT (DOL) 80% V	*1.2*	FLT	*3.5*	ft-lb	**Shaft details** Ø	0.875" x 2.25"	LONG EXT'N
PUT (Ms/Mn)	*0.9*	FLT	*2.8*	ft-lb	**T.Box entry**	0.75"-14NPT	
POT (Mk/Mn)	*3.4*	FLT	*10.0*	ft-lb			

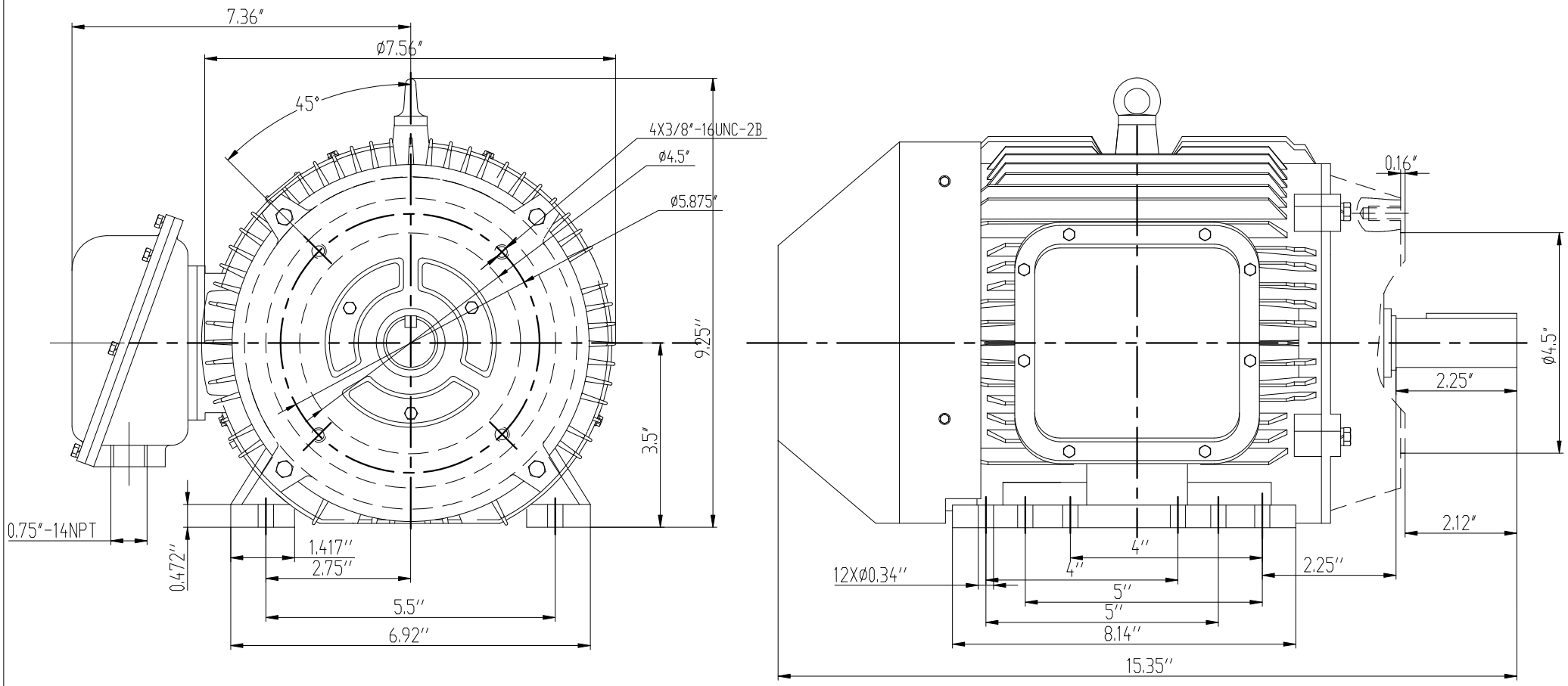
Speed / Current Curve

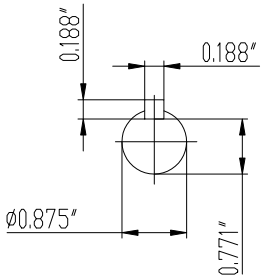


Motor weight (Approx. net)					*74.97*	lb	
L.R. Time hot					*13.1*	secs	
L.R. Time cold					*32.2*	secs	
A.R.T. 100% Volts					*13.1*	secs	
A.R.T. 80% Volts					*21.8*	secs	
Number of terminals					*3 wire*		
NEMA Design letter					*L*		
Maximum volts drop at start:					*20%*		
Maximum Altitude					*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					---	Volts	
LRC (DOL) (Ia/In)	*7.6*	FLC	*22.3*	amps	**Drawing number**	*1AP.050.0389.2WXY*	
LRC (DOL) 80% V	*4.6*	FLC	*12*	amps	**Certifying Authority**	*CSA (C=US)*	
External inertia (WR^2)				*KGM^2*	**Certificate No.**		
No of starts/Hr with above inertia					**Marking**	*Class 1 Div 2 Grps A,B,C,D*	
Starting time with above inertia				*Secs*			

Remarks

1AP.050.0551.1-6WX





LET.	REVISION	BY	DATE
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NSHE140 MOTOR

F-1

1AP.050.0551.1-6WX

WEIGHT	SCALE
	1:1

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