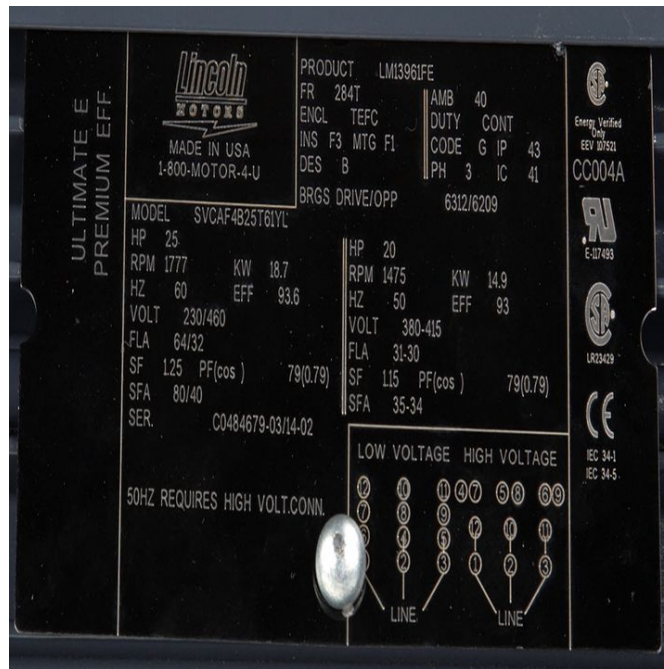


PRODUCT INFORMATION PACKET



Model No: AF4B25T61Y
 Catalog No: LM13961
 25,1800,TEFC,284T,3/60/230/460
 Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	64.0/32.0 A	Speed	1777 rpm
Service Factor	1.25	Phase	3
Efficiency	93.6 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	284T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6209	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Aluminum	Shaft Type	T
Overall Length	26.62 in	Frame Length	13.75 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	XF5F1SS1-1375	Connection Diagram	3A263-2

Data Sheet

Date: 1/29/2018

LM13961



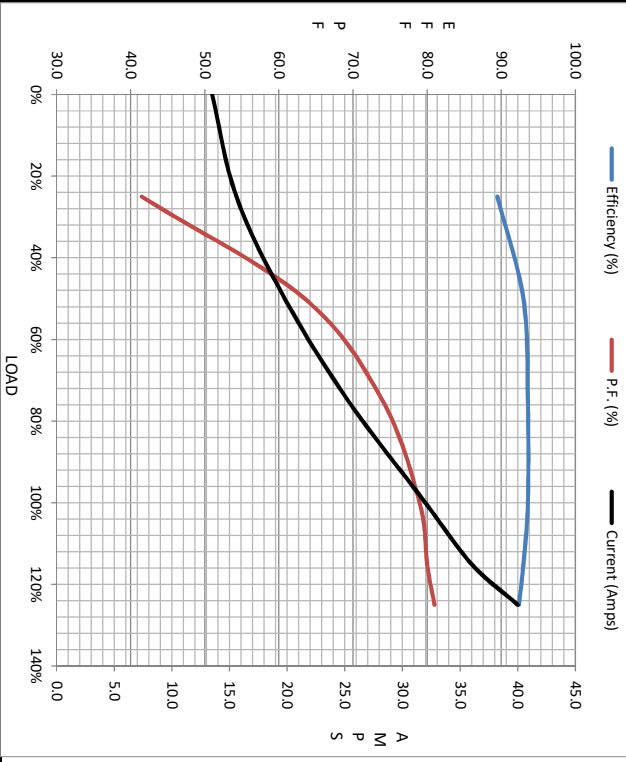
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	13.5	15.6	19.8	25.3	32.0	36.0	40.0	182
Torque (ft-lb)	0.00	18.3	36.5	55.0	74.0	85.0	93.0	178
RPM	1800	1795	1790	1785	1777	1,773	1770	0
Efficiency (%)		89.5	93.0	93.6	93.6	93.0	92.4	
P.F. (%)	3.5	41.5	63.5	74.0	79.0	80.0	81.0	44.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1300	1700	1777	1800		
Current (Amps)	182	165	101	32.0	13.5		
Torque (ft-lb)	178	123	165	74.0	0.00		
						HP	25.0
						Sync. RPM	1800



Information Block				
HP		25.0		
Sync. RPM		1800		
Frame		284		
Enclosure		TEFC		
Construction		TFL		
Voltage		230/460#380-415	V	
Frequency		60	Hz	
Design		B		
LR Code letter		G		
Service Factor		1.15		
Temp Rise @ FL		65	° C	
Duty		CONT		
Ambient		40	° C	
Elevation		1,000	feet	
Rotor/Shaft wk²		0.00	Lb-FT²	
Ret Wdg		L2844017	NONE	
Sound Pressure @ 1M		999	dBa	
VFD Rating		NONE		
Outline Dwg		XF5F1SS1-1375		
Conn. Diag		3A263-2		
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1920	0.1130	0.8480	1.4580	19.3230

Speed - Torque Curve

