

PRODUCT INFORMATION PACKET



Model No: 170239.60
Catalog No: 170239.60
60 HP Special Voltage Motor, 3 phase, 1800 RPM, 575 V, 364T Frame, TEFC
Special Voltage Motors



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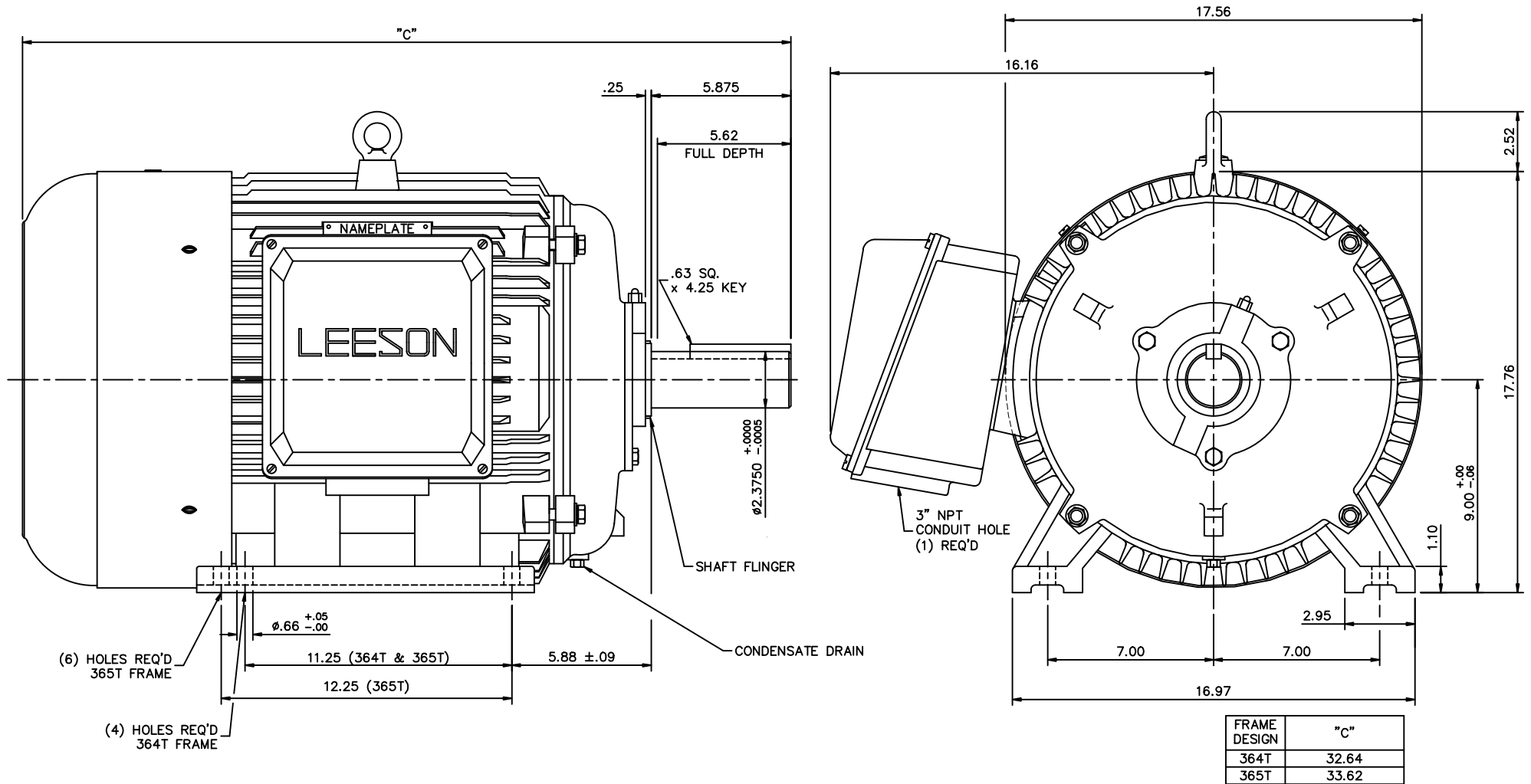
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	575 V
Current	54.8 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	364T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.161 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	32.64 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	005190.01	Outline Drawing	16954360

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				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION			
				DECIMALS					
				.00	± .06	DRAWN JJK 03/30/99	TITLE OUTLINE – 360T FRAME		
				.000	± .005	CHK'D.	TEFC – RIGID		
01	ADDED 365T FRAME BASE HOLES	JJK	07/16/99	.0000	± .0005	APPR. PG 03/31/99	MAT'L CAST IRON		
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=4			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED.				ANGLES	± 1/2°	REF. 169505	FINISH	SIZE	DRAWING NO.
				INCH/MM		FMF		B	169543–60

Data Sheet

Date: 1/30/2018

170239.60



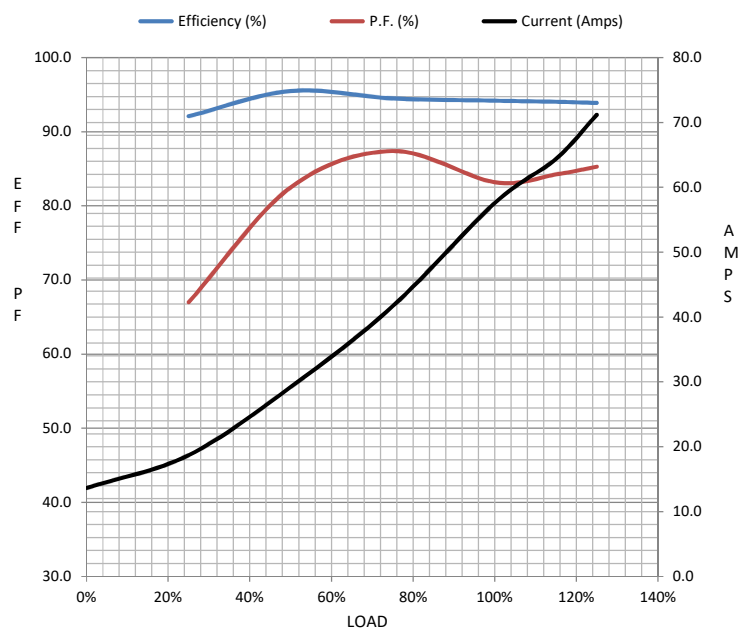
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	13.7	18.7	29.2	41.7	57.6	64.4	71.2	364	
Torque (ft-lb)	0.00	45.1	90.0	135	177	201	225	269	
RPM	1800	1796	1792	1787	1783	1781	1777	0	
Efficiency (%)		92.1	95.5	94.5	94.2	94.1	93.9		
P.F. (%)	6.6	67.0	82.5	87.4	83.2	84.3	85.3	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block			
Speed (RPM)	0	900	1656	1783	1800	HP	60.0		
Current (Amps)	364	335	218	57.6	13.7	Sync. RPM	1800		
Torque (ft-lb)	269	220	491	177	0.00	Frame	364		



Frame	364			
Enclosure	TEFC			
Construction	TFC			
Voltage	575	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	69	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	12.0	Lb-Ft²		
Ref Wdg	T18304004 FR			
Sound Pressure @ 1M	999	dBA		
VFD Rating	CONSTANT 2:1			
Outline Dwg	16954360			
Conn. Diag	005190.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed - Torque Curve

