

# PRODUCT INFORMATION PACKET



Model No: 171580.00

Catalog No: 171580.00

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 444TS Frame,  
TEFC



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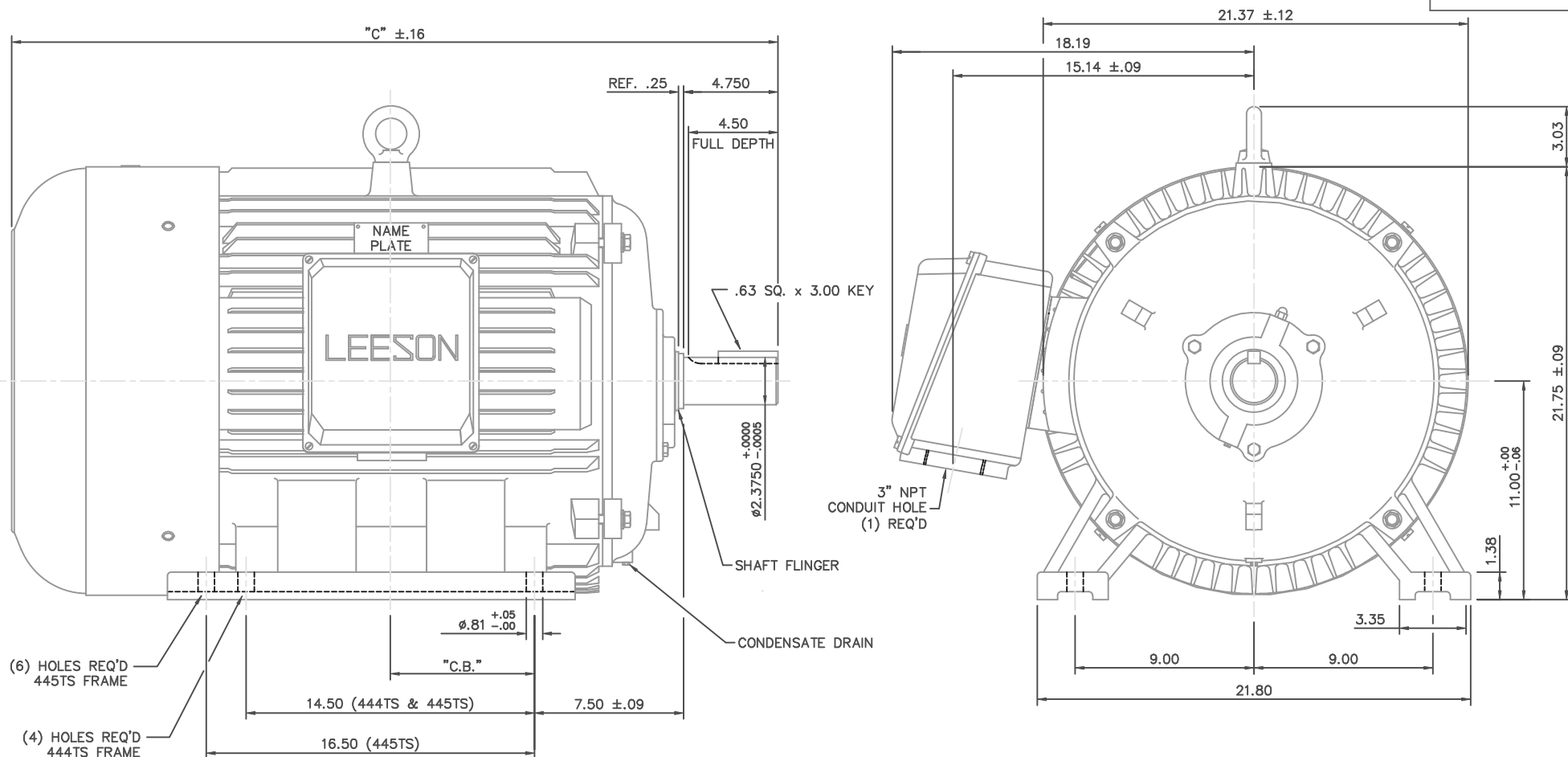
## Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	3582 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	444TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	136 & 133 A	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

## Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	39.10 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	16954860	Connection Drawing	005190.01

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FRAME DESIGN	"C"	"C.B."
444TS	39.10	7.25
445TS	41.11	8.25

						TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION				
						DECIMALS						
						.00	± .06	DRAWN	JJK 03/30/99	TITLE OUTLINE – 444TS/445TS FRAME TEFC – RIGID METS NEC/UL REQ. CON-BOX VOL.= 9750 C.C.		
						.000	± .005	CHK'D.				
01	ADDED BASE HOLES FOR 445TS FRAME			JJK	07/16/99	.0000	± .0005	APPR.	PG 03/31/99			
NO.	REVISION			BY	DATE	FRACTIONS	± 1/64	SCALE	1=5	MAT'L.	CAST IRON	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK RIGHTS OF DESIGN AND INVENTION ARE RESERVED												
						ANGLES	± 1/2°	REF.	169507	FINISH	SIZE	DRAWING NO.
						INCH/MM		FMF			B	169548-60

LINE LEADS

	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

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