PRODUCT INFORMATION PACKET

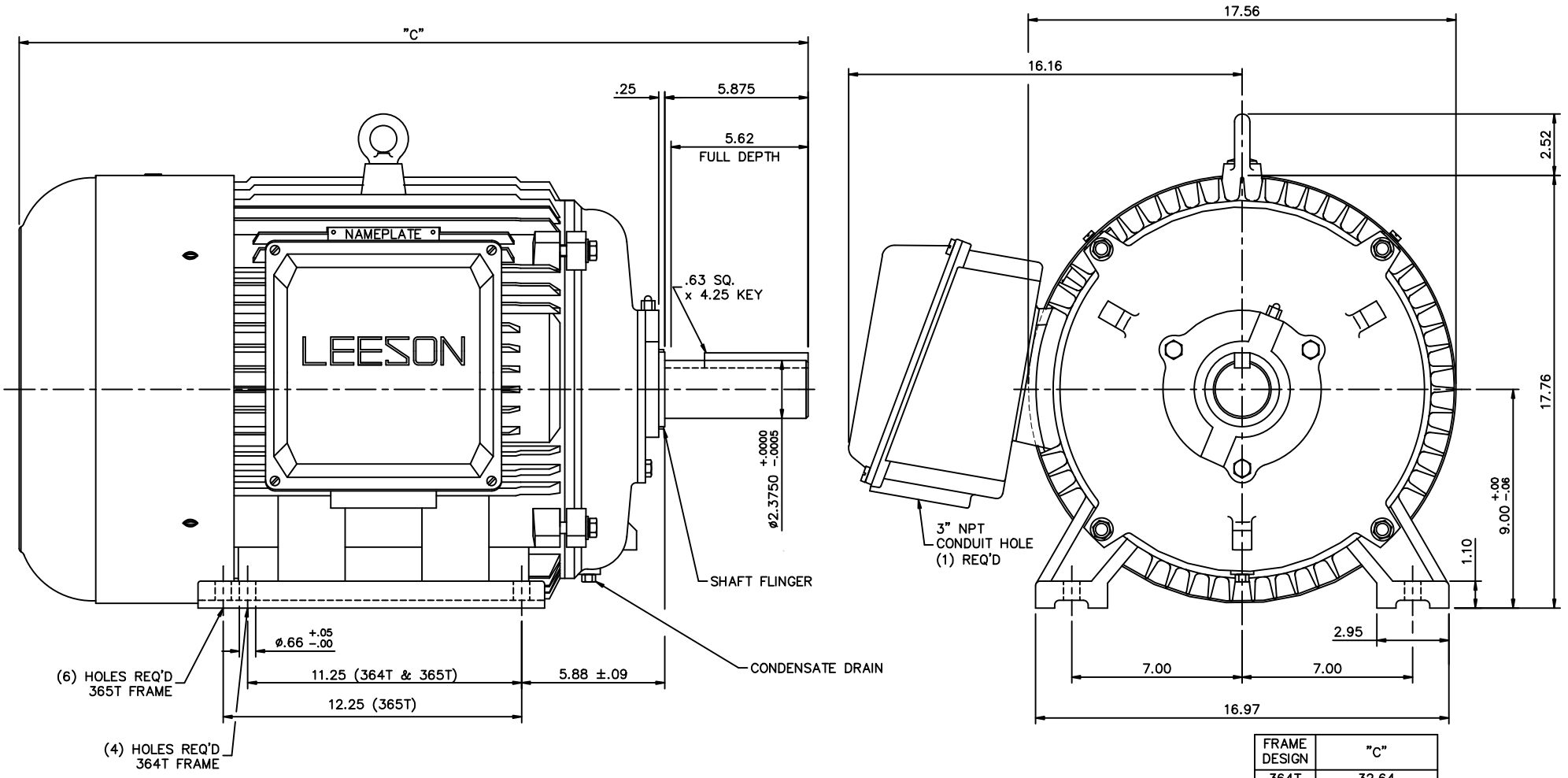
Model No: 170243.00
Catalog No: 170243.00
Obsolete replaced by 365TTFCD6080 - 50 HP 1200 575 TEFC 365T PREM EFF
General Purpose Motors

Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	50.5 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	365T	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 Induction Run	Starting Method	Wye Start Delta Run
Poles	6	Rotation	Reversible
Resistance Main	.12 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	33.62 in
Shaft Diameter	2.375 in	Shaft Extension	5.875 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	005190.01	Outline Drawing	16954360



FRAME DESIGN	"C"
364T	32.64
365T	33.62

NO.	REVISION	BY	DATE
01	ADDED 365T FRAME BASE HOLES	JJK	07/16/99

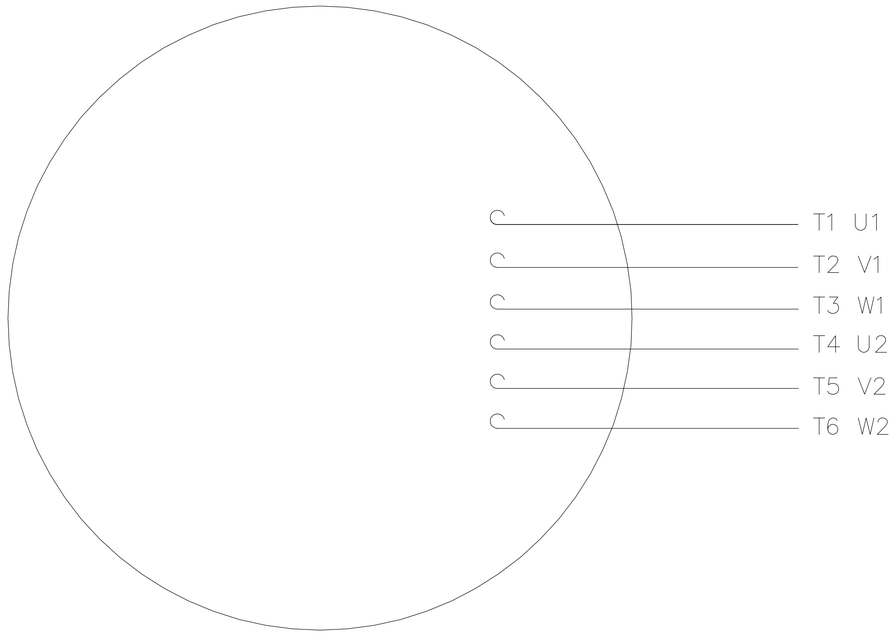
TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS		
.00	± .06	
.000	± .005	
.0000	± .0005	
FRACTIONS	± 1/64	
ANGLES	± 1/2°	
INCH/MM		

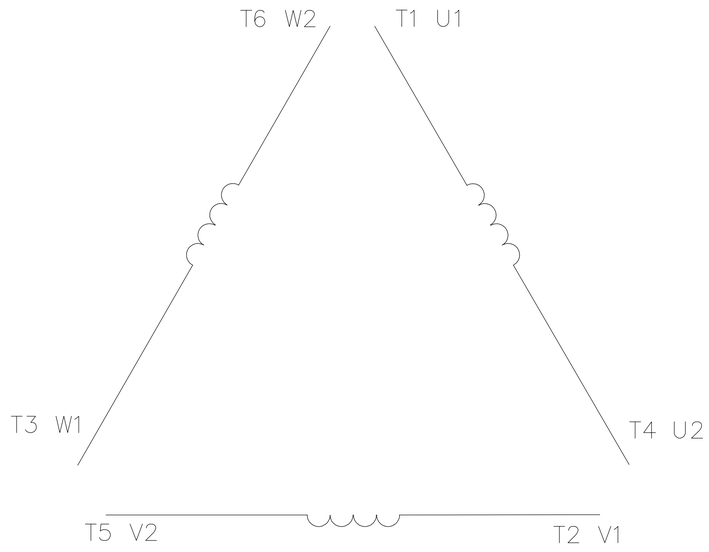
LEESON ELECTRIC CORPORATION

DRAWN	JJK 03/30/99	TITLE	OUTLINE – 360T FRAME TEFC – RIGID
CH'K'D.			
APPR.	PG 03/31/99	MAT'L.	CAST IRON
SCALE	1=4		
REF.	169505	FINISH	
FMF		SIZE	B
		DRAWING NO.	169543-60

005190–01



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)	

NO.	REVISION	BY	DATE
04	ADDED MAT'L (CWLE) PER ECO–0168542	DS	6/10/2019
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012
02	REMOVED OBSOLETE STATUS	KJH	6/28/99
01	REDRAWN ON CAD	DBT	05/30/97

TOLERANCES UNLESS OTHERWISE SPECIFIED	
DECIMALS	
.00	± .01
.000	± .005
.0000	± .0005
FRACTIONS	± 1/64
ANGLES	± 1/2°
INCH/MM	

LEESON ELECTRIC CORPORATION

DRAWN PG 05/07/82	TITLE: EXT. WIRING DIAGRAM STAR START – DELTA RUN
CH'K'D. TEM	
APPR. 05/07/82	MAT'L. Y–CONNECTED START (CWLE) DELTA CONNECTED RUN – SINGLE VOLTAGE
SCALE 1=1	
REF. T2E	FINISH:
FMF ELECTRO POWER	SIZE: A — DRAWING NO.: 005190–01