

PRODUCT INFORMATION PACKET

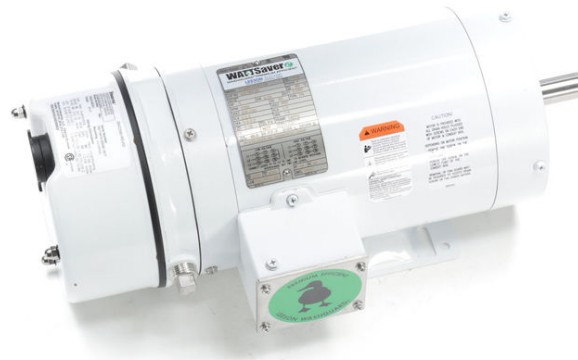


Model No: C145T17WK55A

Catalog No: 122195.00

122195.00..1.5HP..1750RPM.145TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C
FACE.C145T17WK55.....WASHDOWN BRAKEMOTOR.T-STATS.....

Brake Motors



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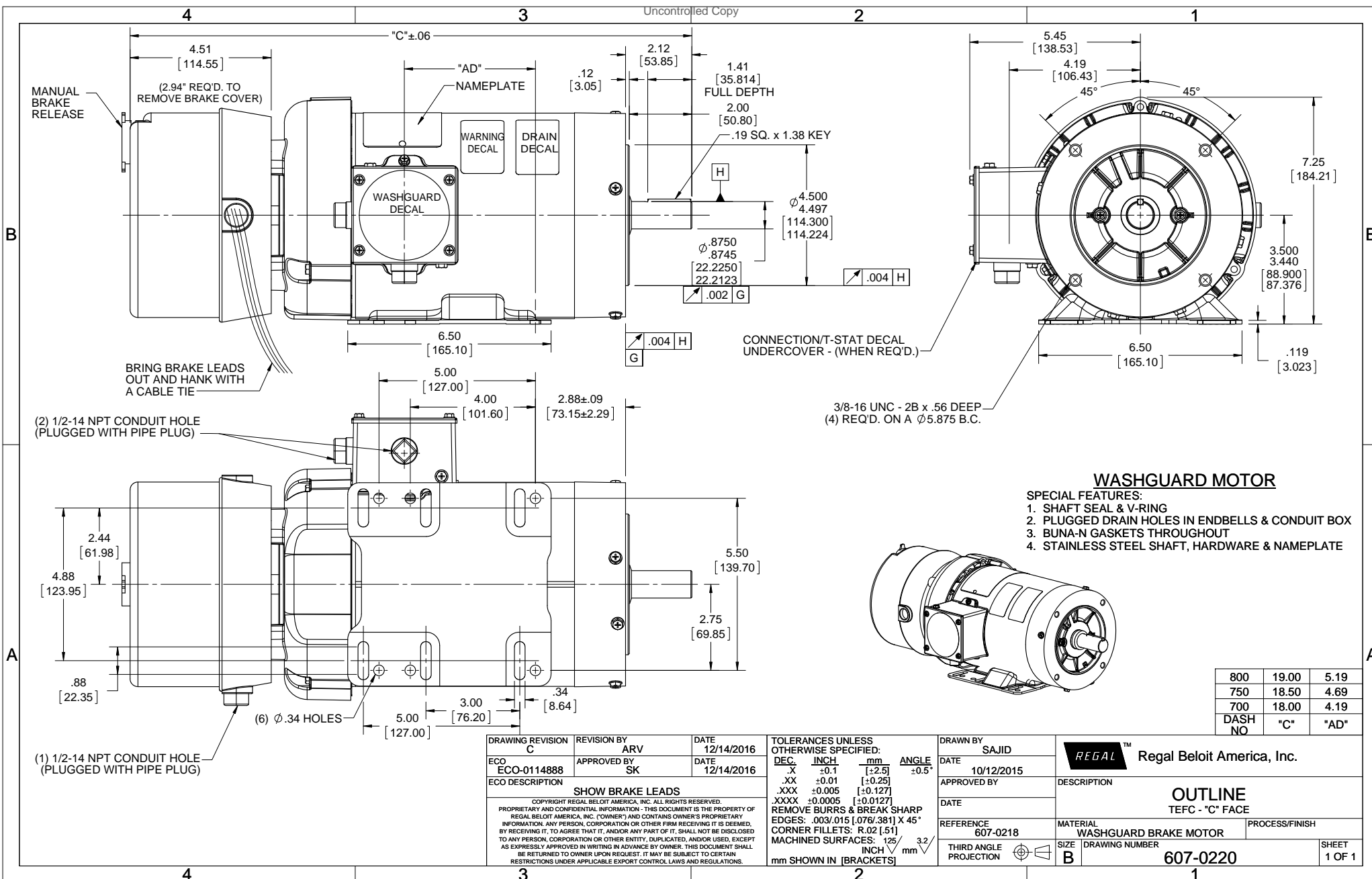


Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	4.6-4.8/2.4 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	18.50 in	Frame Length	7.50 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0220-750	Connection Diagram	005010.28



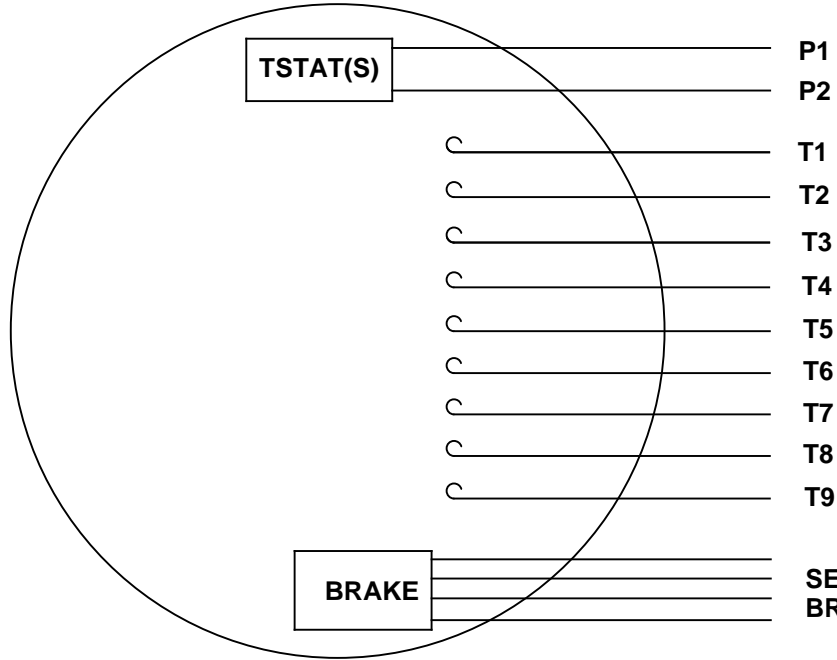
DRAWING REVISION C	REVISION BY ARV	DATE 12/14/2016
ECO ECO-0114888	APPROVED BY SK	DATE 12/14/2016
ECO DESCRIPTION SHOW BRAKE LEADS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	+0.1	[+2.5]	$\pm 0.5^\circ$
.XX	+0.01	[+0.25]	
.XXX	+0.005	[+0.127]	
.XXXX	+0.0005	[+0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.076/.381] X 45°			
CORNER FILLETS: R.02 [.51]			
MACHINED SURFACES: 125 $\sqrt{3.2}$			
mm SHOWN IN [BRACKETS]			

DRAWN BY SAJID	DATE 10/12/2015
APPROVED BY	DATE
REFERENCE 607-0218	THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE TEFC - "C" FACE	PROCESS/FINISH
MATERIAL WASHGUARD BRAKE MOTOR	DRAWING NUMBER 607-0220
SIZE B	SHEET 1 OF 1

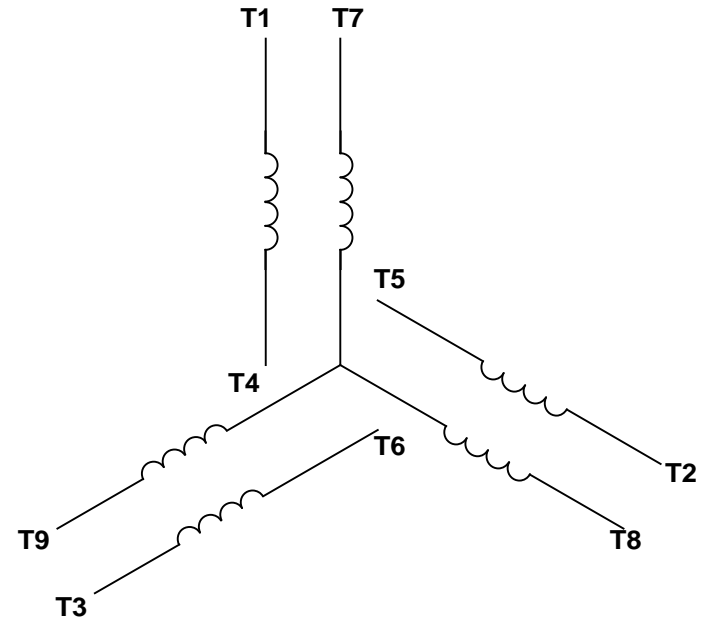
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



P1
P2
T1
T2
T3
T4
T5
T6
T7
T8
T9

SEE TABLE FOR
BRAKE CONNECTIONS

LINE LEADS



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BRAKE CONNECTION						
VOLTAGE	STERNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

		TOLERANCES UNLESS SPECIFIED		<p>ELECTRIC MOTORS GEARMOTORS AND DRIVES</p>	DRAWN RDW 09/14/99		
		DEC	INCHES		CHK		
		.X	±.1		APPR		
		.XX	±.01		SCALE	1:1	
		.XXX	±.005		REF	005010-15	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	.XXXX ±.0005	MAT'L DECAL - 004014 DECAL - 080088		FMF	
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH CAMFAB INC.		PAGE OF	
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO	
			NETWORK FILE NAME 00501028		A	005010-28	
					REV	--	

Data Sheet

Date: 3/5/2018

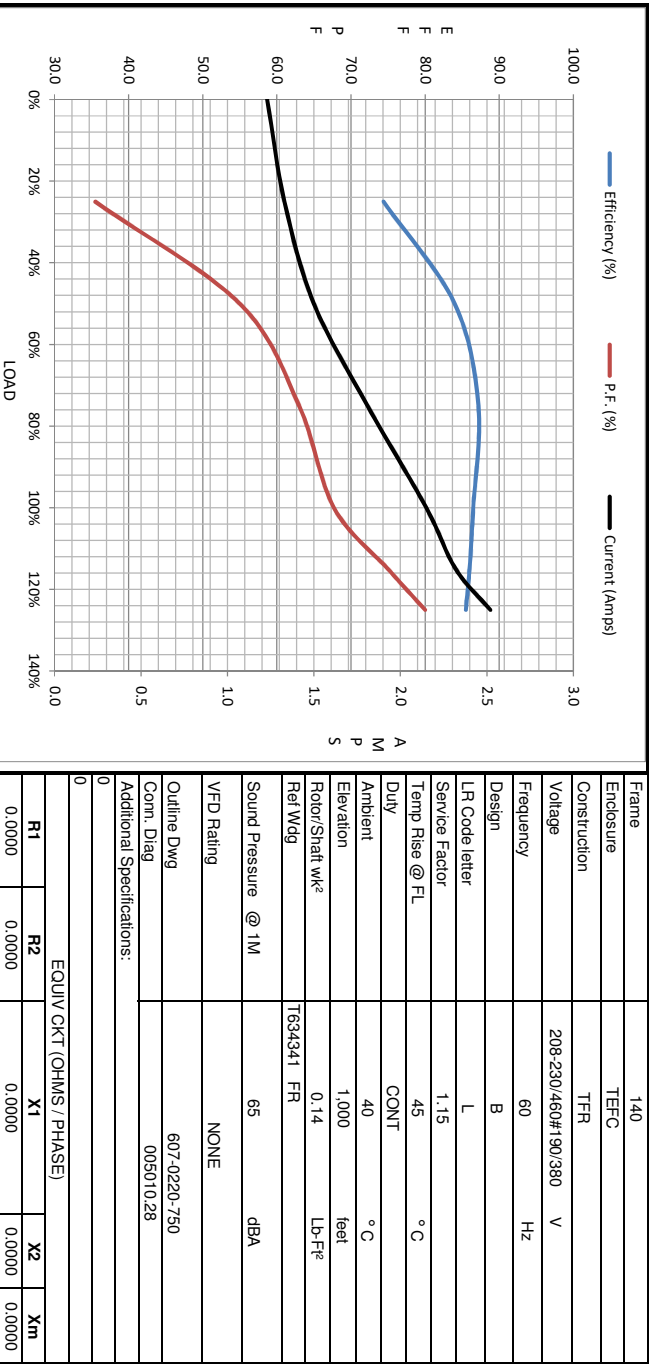
1221915.00



Data @ 460 V

Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.23	1.33	1.50	1.81	2.15	2.32	2.52	18.5
Torque (ft-lb)	0.00	1.10	2.25	3.4	4.5	5.2	5.6	17.2
RPM	1800	1785	1772	1760	1750	1738	1732	0
Efficiency (%)		74.4	84.0	87.2	88.5	86.0	85.5	
P.F. (%)	9.9	35.5	55.0	63.0	67.7	75.0	80.0	48.0

Motor Speed Data						Information Block																				
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:
0		900	1600	1750	1800	1.5	1800	140	TEFC	TFR	208-230/460#190/380	60	B	L	1.15	45	CONT	40	1,000	0.14	FR	65	NONE	607-0220-750	005010.28	
Current (Amps)	18.5	16.1	12.1	2.15	1.23																					
Torque (ft-lb)	17.2	16.0	20.4	4.5	0.00																					



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
0.0000	0.0000	0.0000	0.0000

