

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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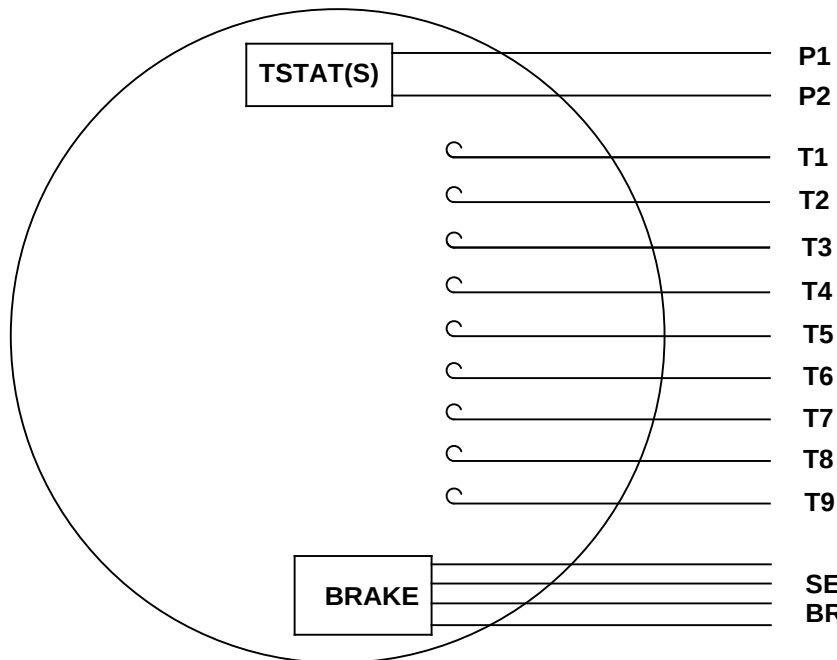
Nameplate Specifications

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

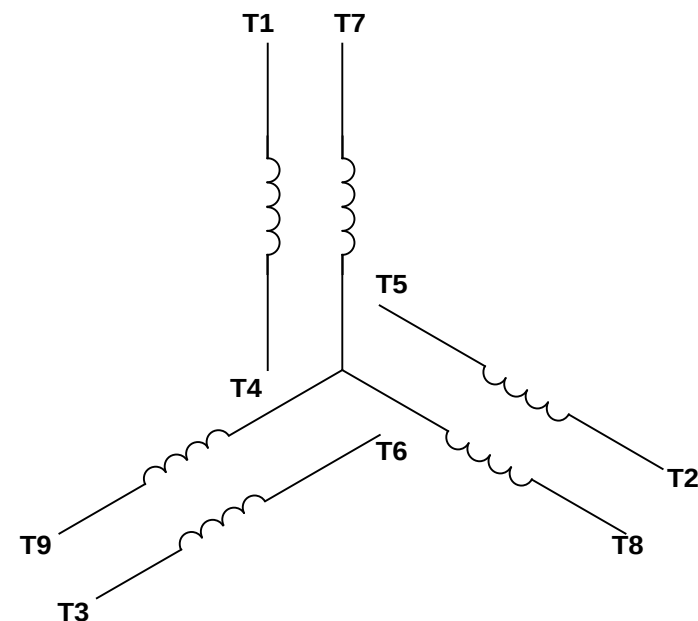
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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	 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 09/14/99
					DEC INCHES		CHK
					.X ±.1		APPR
					.XX ±.01		SCALE 1:1
					.XXX ±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	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	REV
			NETWORK FILE NAME 00501028			A	005010-28



Data@ 460 V

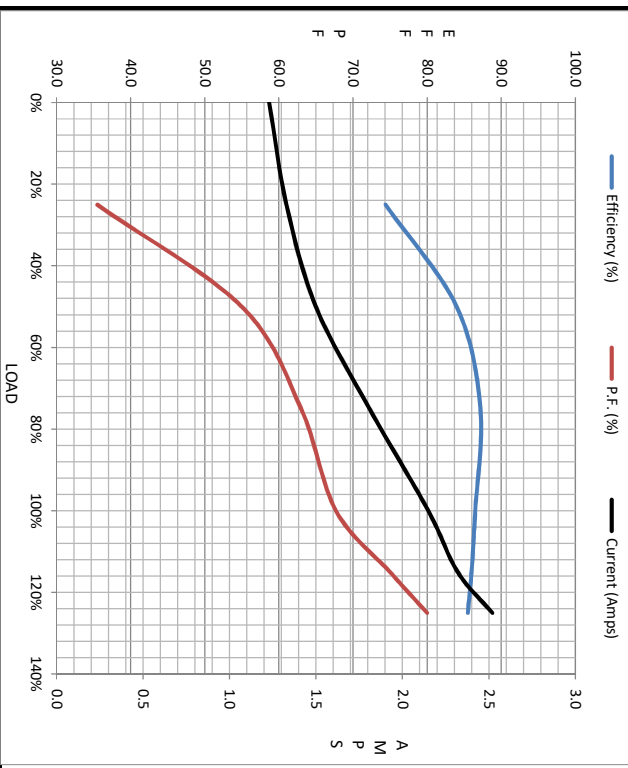
Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (amps)	1.23	1.33	1.50	1.81	2.15	2.32	2.52	18.5	
Torque (ft-lb)	0.00	1.10	2.25	3.4	4.5	5.2	5.6	17.2	
RPM	1800	1772	1772	1760	1750	1,738	1732	0	
Efficiency (%)		74.4	84.0	87.2	86.5	86.0	85.5		
P.F. (%)	9.9	35.5	55.0	63.0	67.7	75.0	80.0	48.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1600	1750	1800		
Current (amps)	18.5	16.1	12.1	2.15	1.23	HP	1.5
Torque (ft-lb)	17.2	16.0	20.4	4.5	0.00	Sync. RPM	1800

Information Block

HP	1.5	
Sync. RPM	1800	
Frame	140	
Enclosure	TEFC	
Construction	TFR	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	L	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.14	Lb-Ft²
Ref Wdg	T694341 FR	
Sound Pressure @ 1M	65	dBA
VFD Rating	NONE	
Outline Dwg	607-0220-750	
Conn. Diag	005010.28	
Additional Specifications:		
0		
0		
EQUIV CKT (OHMS / PHASE)		
R1	R2	Xm
0.0000	0.0000	0.0000
	X1	X2
	0.0000	0.0000



Speed -Torque Curve

