

PRODUCT INFORMATION PACKET

Model No: 145TTDR16082

Catalog No: GT2502

1 HP Close-Coupled Pump Motor, 3 phase, 1200 RPM, 575 V, 145JP Frame, ODP
JP Motors



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REGAL

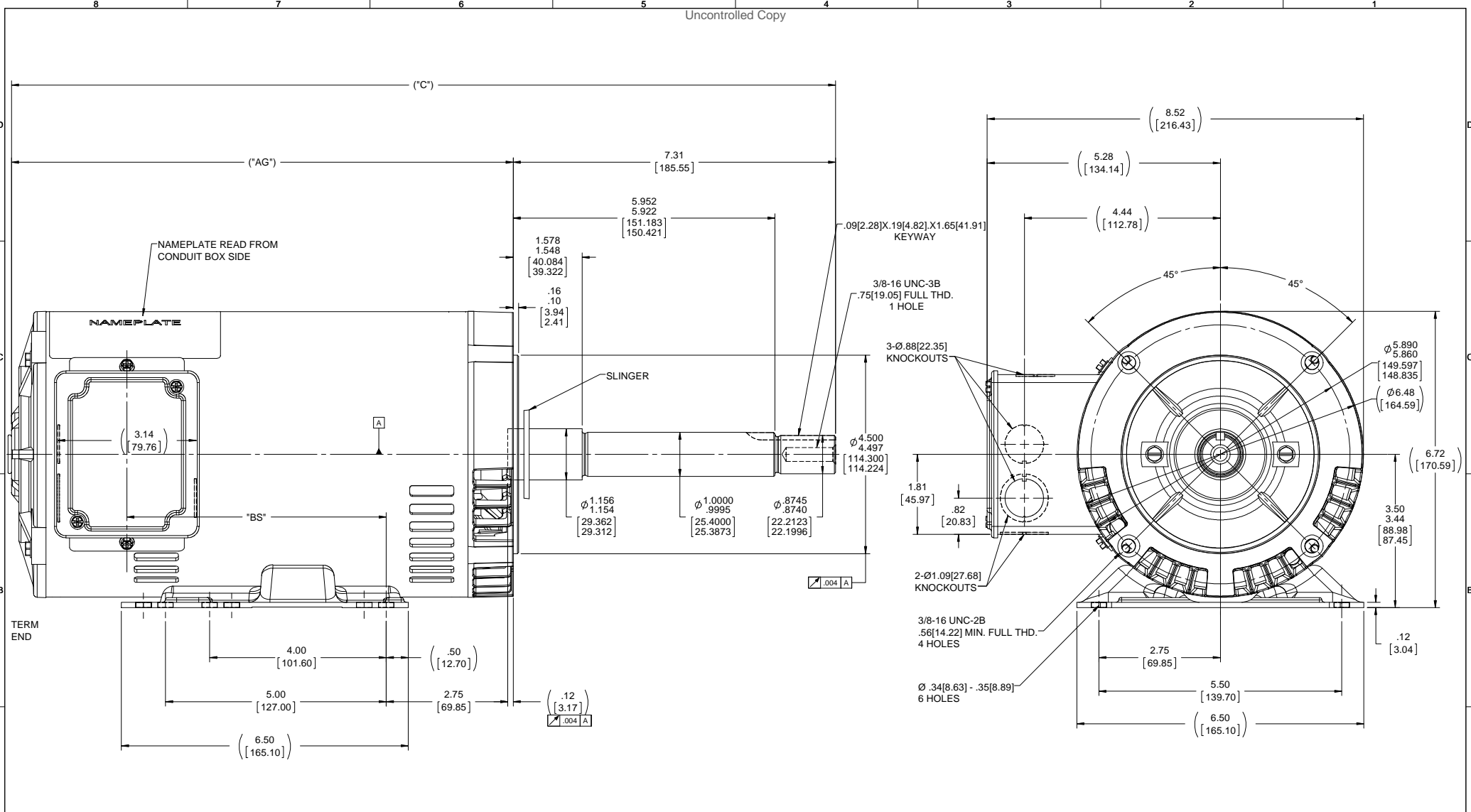
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	575 V
Current	1.5 A	Speed	1160 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Power Factor	60
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	145JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	15.16 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	18.68 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	7.31 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7300T	Outline Drawing	A-108590-956

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NOTES:
CONDUIT BOX CAN BE ROTATED IN 180° STEPS.

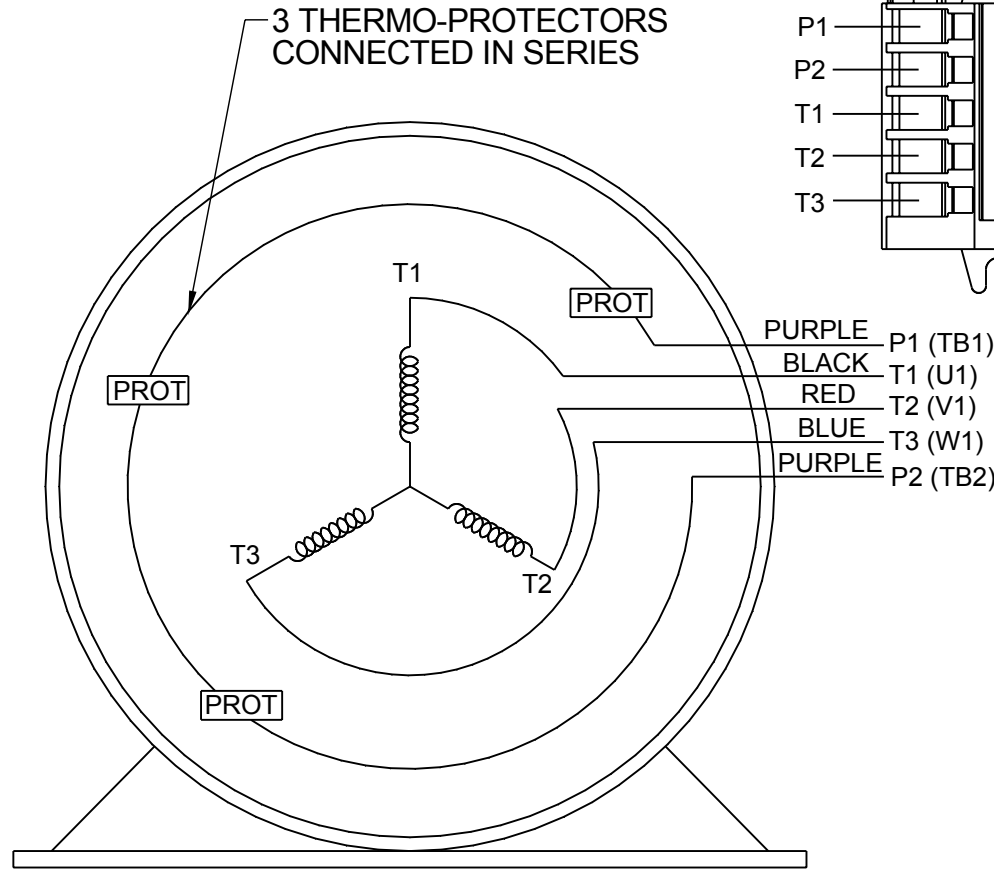
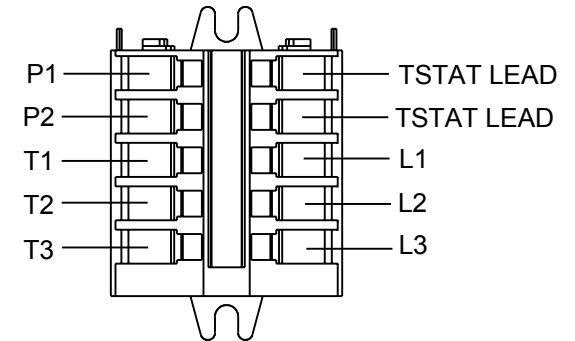
DRAWING REVISION ECO-0136108	REVISION BY A	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONS: .001, .005, .010, .015, .030, .045, .060, .075, .090, .120, .150, .180, .225, .270, .315, .360, .450, .540, .630, .720, .810, .900, 1.000, 1.200, 1.500, 1.800, 2.250, 2.700, 3.150, 3.600, 4.500, 5.400, 6.300, 7.200, 8.100, 9.000, 10.800, 12.600, 15.000, 18.000, 21.600, 27.000, 32.400, 37.800, 45.000, 54.000, 63.000, 72.000, 81.000, 90.000, 108.000, 126.000, 150.000, 180.000, 216.000, 270.000, 324.000, 378.000, 450.000, 540.000, 630.000, 720.000, 810.000, 900.000, 1080.000, 1260.000, 1500.000, 1800.000, 2160.000, 2700.000, 3240.000, 3780.000, 4500.000, 5400.000, 6300.000, 7200.000, 8100.000, 9000.000, 10800.000, 12600.000, 15000.000, 18000.000, 21600.000, 27000.000, 32400.000, 37800.000, 45000.000, 54000.000, 63000.000, 72000.000, 81000.000, 90000.000, 108000.000, 126000.000, 150000.000, 180000.000, 216000.000, 270000.000, 324000.000, 378000.000, 450000.000, 540000.000, 630000.000, 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**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS**

**NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1**

TERMINAL BLOCK WHEN SPECIFIED

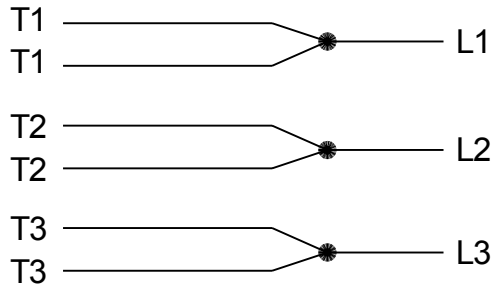


PURPLE P1 (TB1)
BLACK T1 (U1)
RED T2 (V1)
BLUE T3 (W1)
PURPLE P2 (TB2)

T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

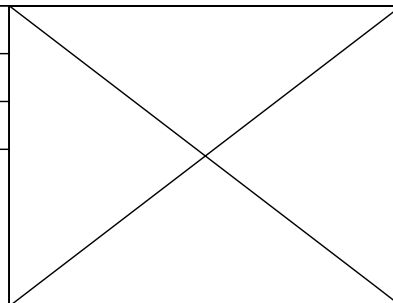
VIEW OF TERMINAL END

**IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S**



A-9806 DECAL

DRAWING REVISION AB	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T.VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC-60034-8		
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DRAWN BY LZ
DATE 01-04-1994
APPROVED BY GK
DATE 01-20-1994
REFERENCE
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300T
SHEET 1 OF 1	

Data Sheet

Date: 20-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



145TTDR16082

Submittal

Data @ 575 V

Motor Load Data

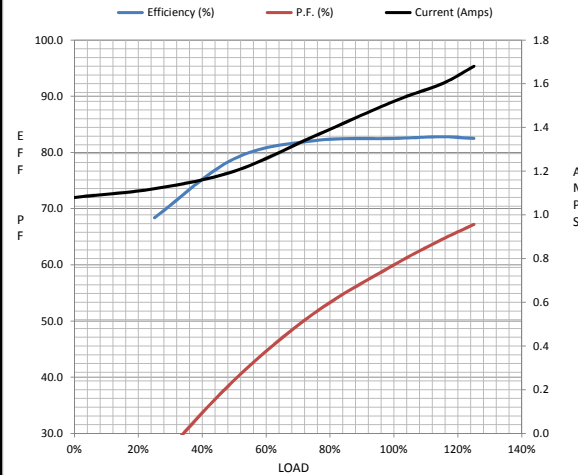
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.08	1.12	1.20	1.36	1.52	1.60	1.68	8.8
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.2	5.7	12.0
RPM	1200	1190	1180	1170	1160	1,150	1145	0
Efficiency (%)		68.4	78.9	82.1	82.5	82.8	82.5	
P.F. (%)	7.3	24.4	39.5	51.4	60.0	64.5	67.2	59.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	105	800	1160	1200
Current (Amps)	8.8	9.2	5.8	1.52	1.08
Torque (ft-lb)	12.0	11.9	17.3	4.5	0.00

Information Block

HP	1.0			
Sync. RPM	1200			
Frame	145			
Enclosure	ODP			
Construction	TDR			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	33 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.14 Lb-Ft ²			
Ref Wdg	ZT6139 DR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100132-956			
Conn. Diag	A-EE7300T			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

