

PRODUCT INFORMATION PACKET

Model No: 182TTDB6012

Catalog No: GT2412

5 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 230/460 V, 182JP Frame, ODP
JP Motors



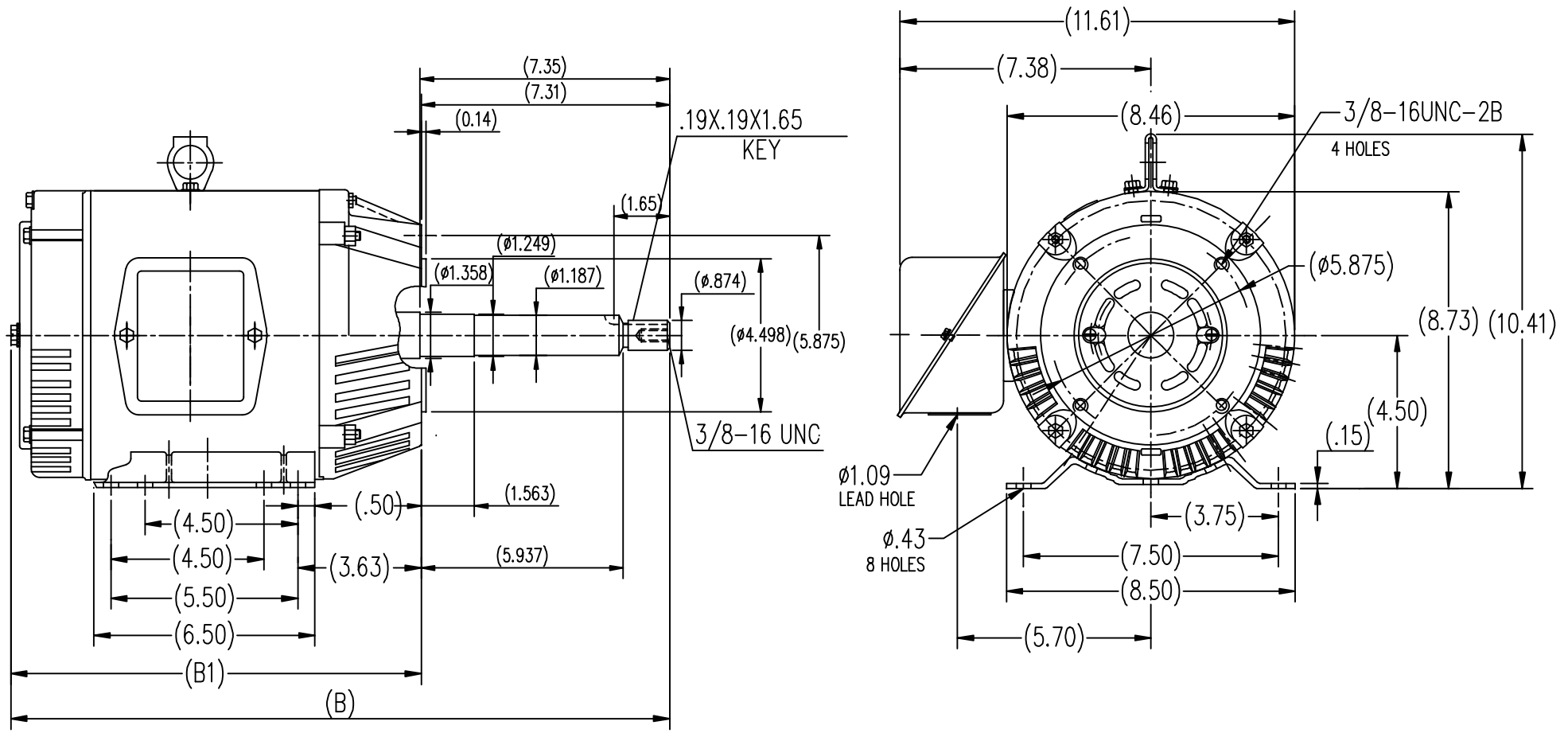
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60/50 Hz	Voltage	230/460 V
Current	12.4/6.2 A	Speed	3460 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	182JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	3.05 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	19.44 in
Shaft Diameter	0.875 in	Shaft Extension	7.35 in
Assembly/Box Mounting	F1 Only		
Connection Drawing	EE7308	Outline Drawing	SS620570-182T

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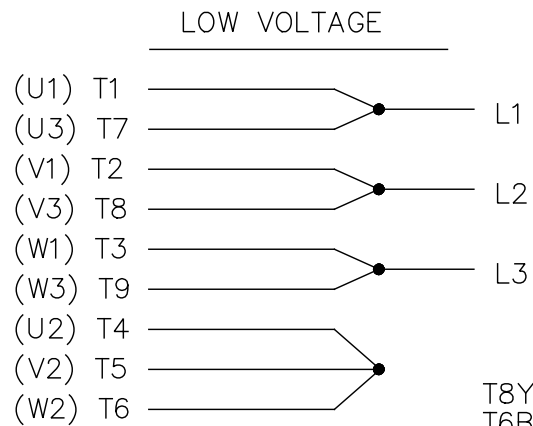
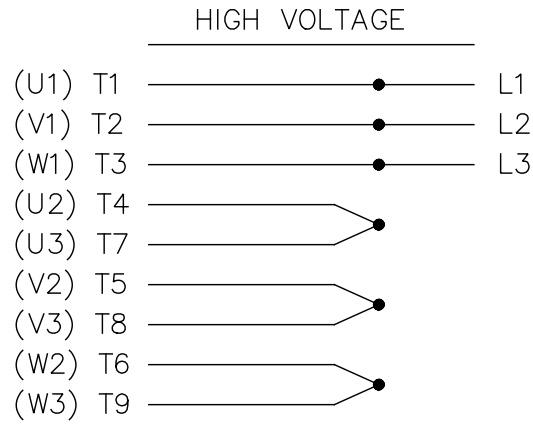


182T	12.09	19.44
184T	13.11	20.46
FRAME	B1	B

TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN ZXC 05-17-2012
DEC.	INCHES	CHK		CHK
.X	±.1			APPD
.XX	±.03		TITLE	SCALE 1=4
.XXX	±.005		ODP-182/184JP FR-ROLLED STEEL	REF
.XXXX	±.0005		MAT'L.	FMF HWADA
NO.	REVISION	BY & DATE	FINISH	PREV
			RFP	
			DIST	
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			SS620570	B
				SS620570
				REV.

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



Regal Beloit America, Inc.

Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



182TTDB6012

Submittal

Data @ 460 V

Motor Load Data

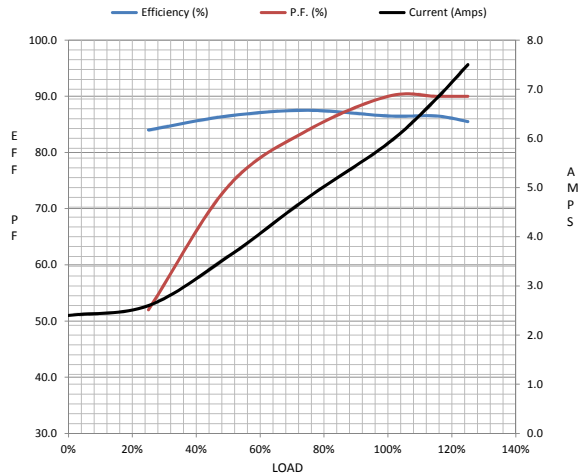
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.40	2.60	3.6	4.8	5.9	6.8	7.5	38.0
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.6	8.8	9.6	17.0
RPM	3600	3570	3538	3502	3495	3.475	3450	0
Efficiency (%)		84.0	86.5	87.5	86.5	86.5	85.5	
P.F. (%)	7.0	52.0	74.0	84.0	90.0	90.0	90.0	61.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2675	3495	3600
Current (Amps)	38.0	34.0	28.0	5.9	2.40
Torque (ft-lb)	17.0	15.0	22.5	7.6	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	182			
Enclosure	DP			
Construction	TDB			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.20 Lb-Ft ²			
Ref Wdg	CHT18220006 NONE			
Sound Pressure @ 1M	55 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620570			
Conn. Diag	EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.8140	1.3040	4.4510	1.9850	163.5800



Speed -Torque Curve

