



BALDOR® • RELIANCE

Product Information Packet

P18G2782

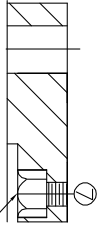
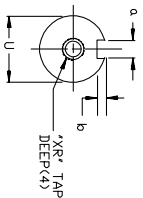
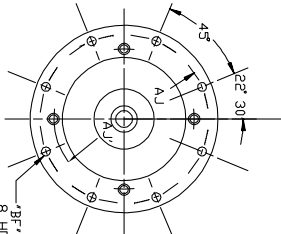
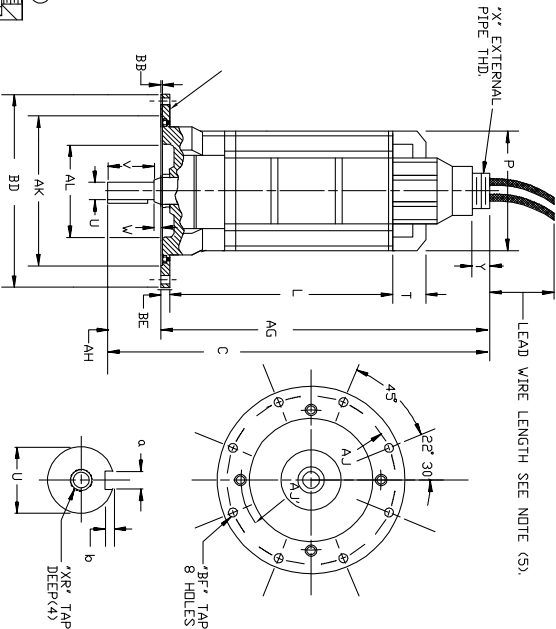
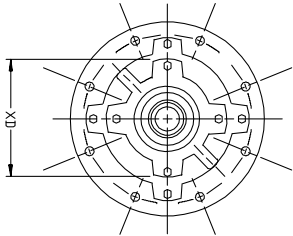
3HP,1800RPM,3PH,60HZ,180TY,TENV,FOOTLES

Part Detail			
Model Number:	P18G2782	Environment:	
Voltage:	230/ 460	Output:	3 HP
RPM:	1745	Efficiency:	
Phase:	3	Frequency:	60
Inverter Duty:		Enclosure:	TENV
Frame Group:	180	Frame Size:	180TY
Features:		Mounting:	Footless
Service Factor:	1	Enclosure Group:	TENV
Weight:	220	Price Symbol:	
Speed Range:		Insulation Class:	F
Nema Design:	B	Encl. Enhancement:	
Catalog Page:		Dimension Sheet:	66930-219
Connection Diagram:	416820-1	Electric Design:	E01384ELYW006
Single HP:	3	Get Notes:	
Revision:		Instruction Manual:	
Application:	- Class I Group C & D	Epact:	
Scaled Drawing:		Obsolete:	
Last Data Source:	RGG2	Bearing Type:	
Electrical Type:	P	Mounting Pos.:	
Ambient:	40	Duty:	CONT
Amps:	9.00/4.50	Nominal Eff.:	
Kva Code:	K	Power Factor:	
Poles:	04	Literature:	

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION
ENCLOSURE: TOTALLY ENCLOSED
SUBMERSIBLE

FRAME 180TY
FRANKLIN MILLER



13/32 DIA. HOLE
5/8 C-BORE
.50 DEEP

FRAME	C	L	P	T	U(3)	V	W	AG	AH	AJ	AL(7)	AJ'	AK
180TY	26.66	16.50	9.62	2.25	1.2500	2.00	2.8	24.38	2.28	10.00	7.00	8.88	9.125

FRAME	BD(2)	BE	BB	BF	XR(4)	X	Y	XD	a	b	VEIGHT
180TY	11.062	1.75	1.2	1.56	1/2-13	2-1/2-8	1.25	6.75	2.50	1.2	200

(1) SPECIAL DIMENSIONS ON THIS LINE.

(2) "BD" VARIES ± .010

(3) "U" VARIES +.0000, -.0005

(4) TAP DEPTH ON 140TY IS .88

(5) LEAD WIRE LENGTH AS SPECIFIED ON CERTIFICATION

(6) "AL" VARIES CAST DIMENSION

(7) DIMENSION OF COUNTER-SINK HOLES FOR FLANGE MOUNTING

FACE ROUNDT AND ECCENTRICITY .008 MAX. TIR.
PROTECTIVE CONDUIT FURNISHED BY CUSTOMER.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: LOAD TO BUS	VERSION: 00	TDR: 000000925374
REV. LTR: -	REVISED: 08:14:35 05/14/2015	BY: RGGWT
FILE: \RGG\00025\096		
MTL: -		

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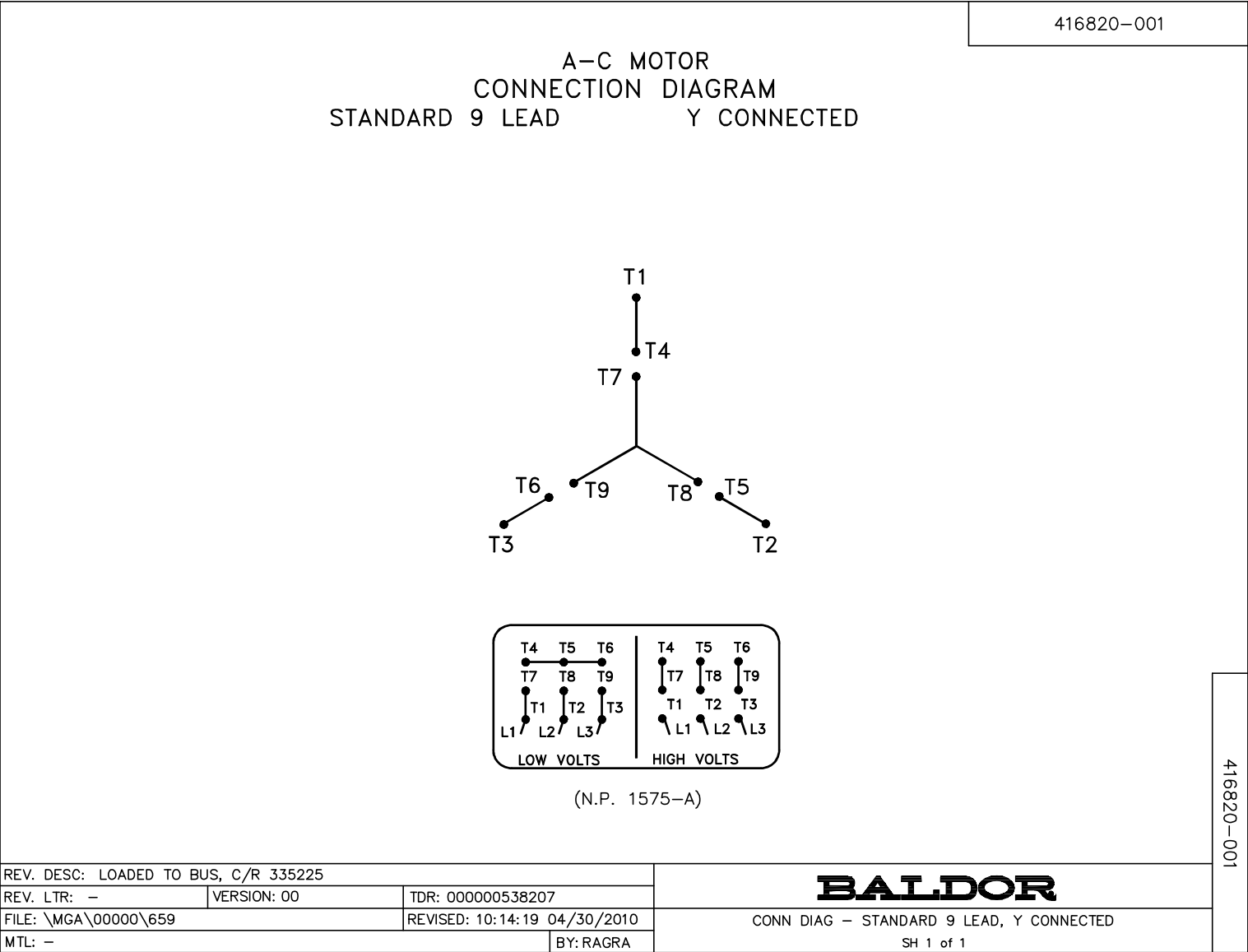
DIM SHT,180TY,SUBMERSIBLE,FRANKLIN MILLER

SH 1 of 1

066930-219

612-066990

Dealers Industrial Equipment -- Visit <https://DealersElectric.com> or call (908) 688-1966 for all of your electric motor & VFD needs!



REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	182T	3	P	3/60	1745	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
9.0/4.5	CONT	40/F	1.00	B	K	TEFC-XE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)		
573709	418424-31EE	---	---	1.02/4.08		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	2.0	1800	.464	28.8	0
1/4	.75	2.4	1783	1.04	53.7	53.7
2/4	1.50	3.0	1771	1.64	68.7	68.1
3/4	2.25	3.7	1759	2.27	76.8	73.9
4/4	3.00	4.5	1746	2.93	81.3	76.3
5/4	3.75	5.4	1731	3.63	84.5	77.2
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	238	21.5	31.5	
PULL UP		300	220	19.9	30.5	
BREAKDOWN		1419	360	32.5	20.3	
FULL LOAD		1746	100	9.03	4.5	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA SUBMERSIBLE MOTOR CONT IN AIR						
		DR. BY D. M. BYRD CK. BY T. S. WILLIAMS APP. BY D. M. BYRD DATE 04/26/05		A-C MOTOR PERFORMANCE DATA E01384ELV006 ISSUE DATE 04/26/05		

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