



Customer information packet

IDNM3669T

2HP, 1760RPM, 3PH, 60HZ, 182TC, 0624M, TENV, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
Frame	182TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.000 A @ 230.0 V 3.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Encoder/Feedback Device
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a

Part detail

Revision	H
Type	AC
Mech. spec.	06F551
Base	
Status	PRD/A
Elec. spec.	06WGX813
Layout	06LYF551
Eff. date	09-30-2025
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	06-08-2016

Insulation Class	H
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	6000 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0624M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.21 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3855L									
CAT.NO.	IDNM3669T								
SPEC.	06F551X813G1								
FRAME	182TC		H.P.	2 TE					
VOLTS	230/460								
MAG. CUR.	3.8/1.9			F.L. AMPS			6/3		
R.P.M.	1760		R.P.M. MAX		6000				
HZ.	60		PH.	3	CLASS	H			
SER.F.	1.00		DES.	B	SL HZ		1.3		
NEMA NOM. EFF.	88.5		WK2	0.22					
BLOWER		V		PH		HZ		AMPS	
RATING	40C AMB-CONT								
DE	6206		ODE	6205					
CC	010A	SN							
	1000:1 CT/VT								

NP VOLTS	230/460	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)					
NP AMPS	45446	Base Volt	460	R1	3.320	X1	6.760
HP	2	NL AMPS	1.85	R2	1.870	X2	5.300
BASE SPEED	1762	Slip (HZ)	1.27				
PHASE/HZ	3/60	WK ² (lb-ft ²)	0.223			XM	132.000

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1762	2.0	6.0	460	60	3.0
Max Speed	2643	2.0	4.0	460	90	2.6
CT Min Speed	1.762	0.002	6.0	0.46	0.06	3.0

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1796	0.0	0.0	460	60	1.9
1/4	1791	0.5	1.5	460	60	2.0
1/2	1782	1.0	2.9	460	60	2.2
3/4	1773	1.5	4.5	460	60	2.5
Full Load	1762	2.0	6.0	460	60	3.0
O/L	1726	4.0	12.3	460	60	5.2

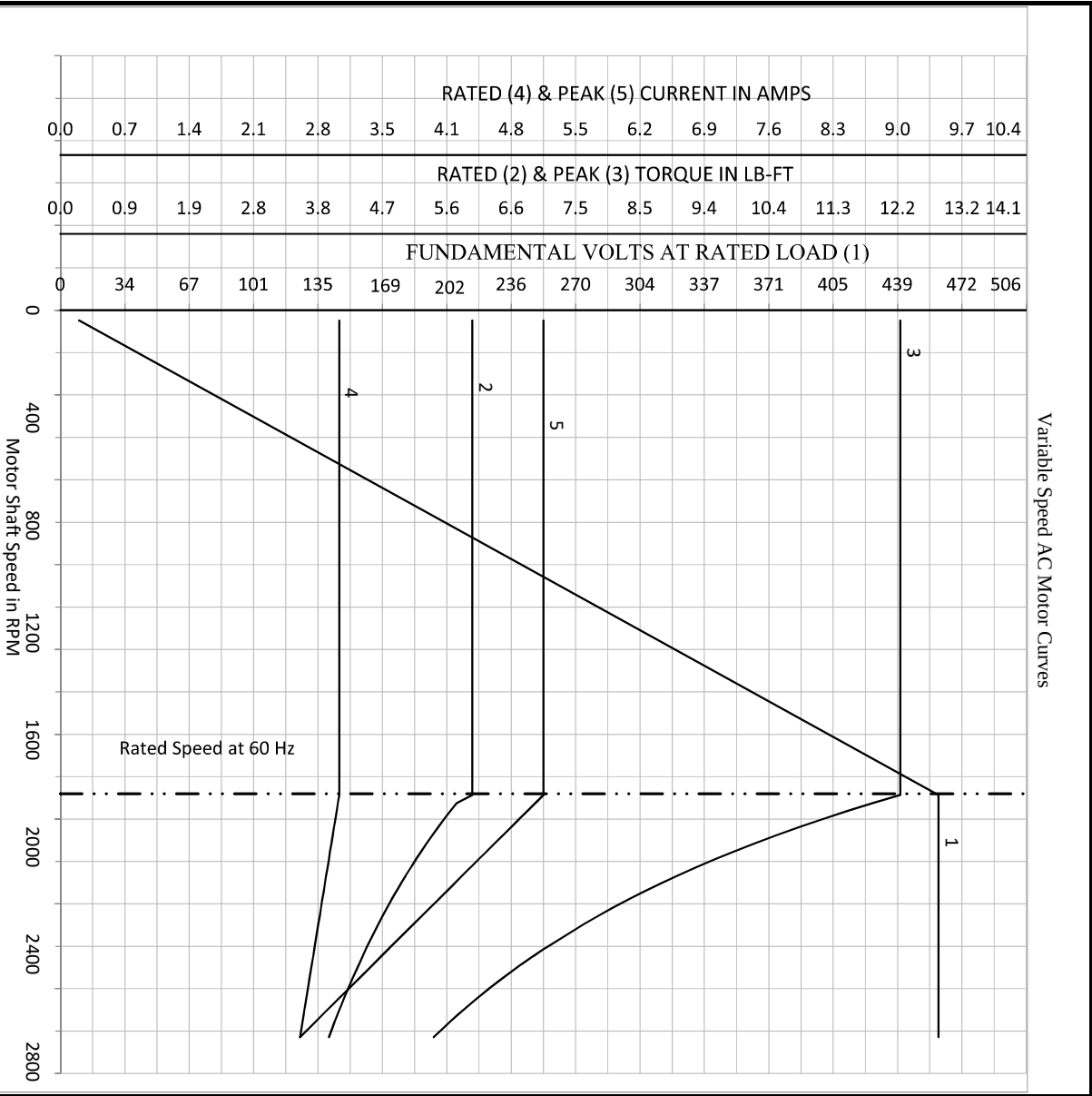
Blower Data	Volts	Ph/Hz	FL Amps	L R Amps	Frame	CFM

Remarks: Calculated Data

DR BY USBRRANI				A-C MOTOR		06WGx813
CK BY CD				PERFORMANCE		
APP BY USBRRANI				CURVES		
DATE 11/1/2024				Record: 58281		



NP VOLTS	230/460	Base Volt	460	WYE CONN EQ. CRT OHMS PER PHASE (BASE RATING, 20C)		
NP AMPS	45.446	NL AMPS	1.85	R1	3.320	X1 6.760
HP	2	Slip (Hz)	1.27	R2	1.870	X2 5.300
BASE SPEED	1762	WK ² (lb-ft ²)	0.223		XM	132.000
PHASE/HZ	3/60					



Calculated Data
Data Valid For Nameplate Speed Range only

BALDOR • RELIANCE

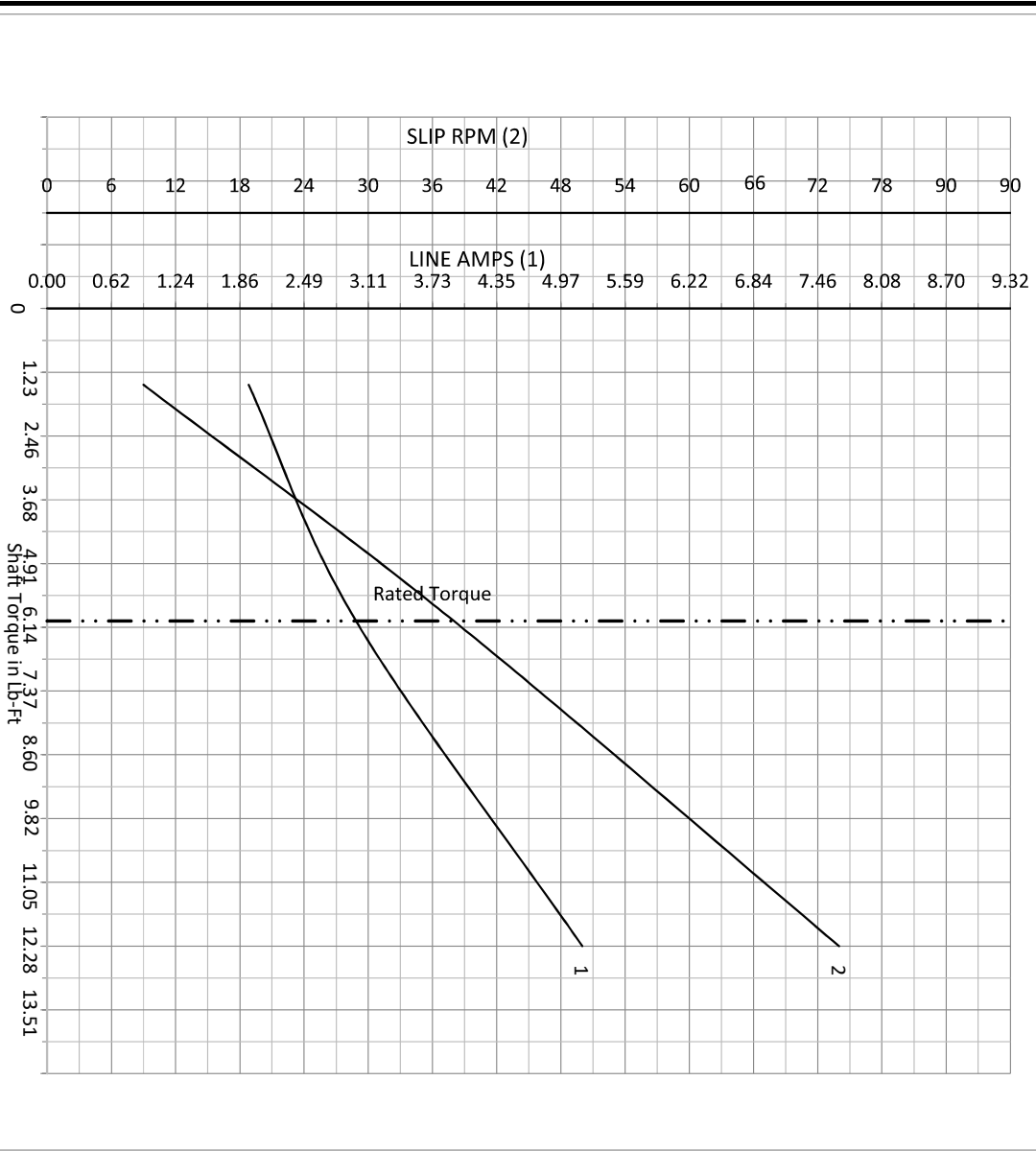
DR BY USBRRANI
CK BY CD
APP BY USBRRANI
DATE 11/1/2024

**A-C MOTOR
PERFORMANCE
CURVES**

06WGXR13
Record: 58281

NP VOLTS	230/460	0	0	WYE CONN. EQ. CKT. OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	45.446	Base Volt	460	R1	3.320	X1	6.760
HP	2	NL AMPS	1.85	R2	1.870	X2	5.300
BASE SPEED	1762	Slip (HZ)	1.27	XM			
PHASE/HZ	3/60	WK2 (lb-ft2)	0.223	132.000			

Vector PWM Inverter Duty
Variable Speed AC Motor Curves

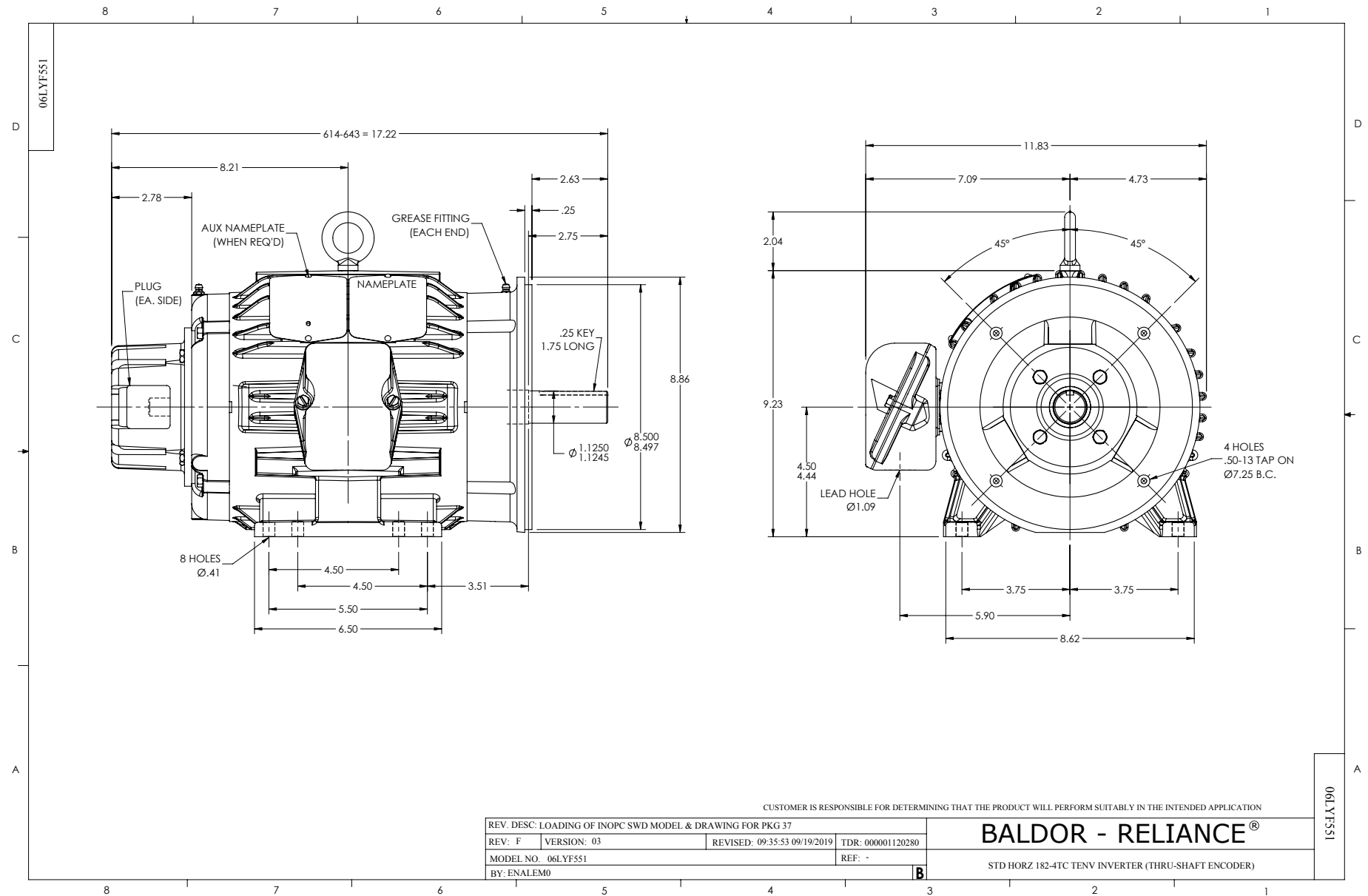


Calculated Data
Data Valid For Nameplate Speed Range only

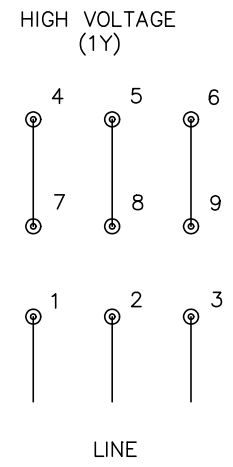
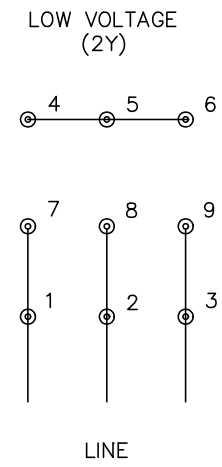
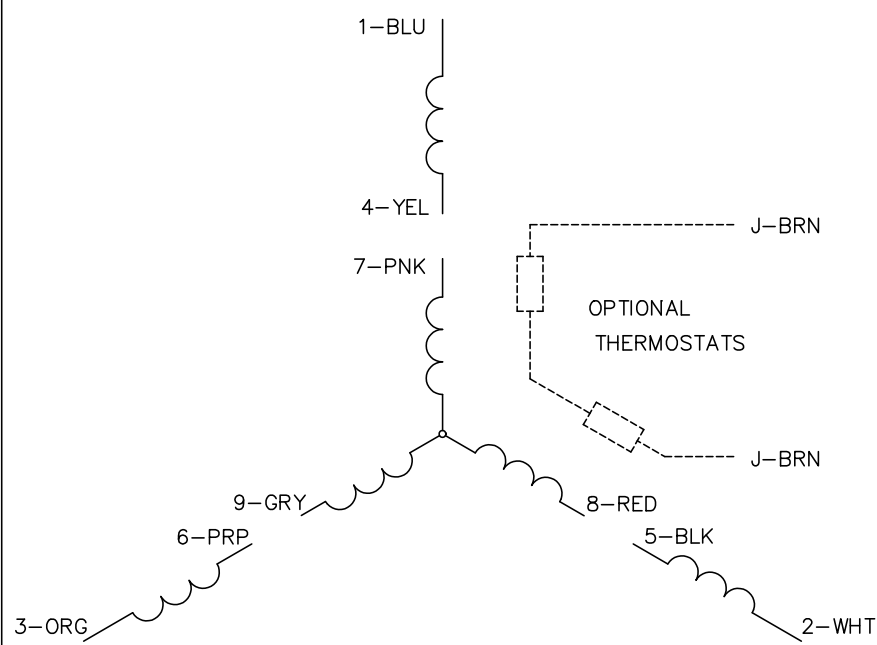


DR BY USBRRANI
CK BY CD
APP BY USBRRANI
DATE 11/1/2024

A-C MOTOR
PERFORMANCE
CURVES
06WGXR13
Record: 58281



CD0005



- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 - 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005